

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\  
 Data File : VN055532.D  
 Acq On : 10 May 2019 6:39  
 Operator : JC/SP  
 Sample : K2758-25MS  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2019 12:44:22 PM

Quant Time: May 10 09:26:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 10 06:48:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 652511   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1137089  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1001087  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 426797   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 494132   | 50.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.60% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 380565   | 51.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.76% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1489677  | 52.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.24% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 503171   | 52.21 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.42% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 300008  | 45.159  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 491416  | 45.532  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 483518  | 47.460  | ug/l | 99     |
| 5) Bromomethane               | 2.54 | 94  | 259664  | 46.518  | ug/l | 99     |
| 6) Chloroethane               | 2.69 | 64  | 294598  | 49.643  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 556671  | 49.807  | ug/l | 100    |
| 8) Diethyl Ether              | 3.41 | 74  | 252627  | 50.329  | ug/l | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 331532  | 46.623  | ug/l | 98     |
| 10) Methyl Iodide             | 3.95 | 142 | 463495  | 48.225  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.81 | 59  | 327539  | 225.793 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 348542  | 48.873  | ug/l | 99     |
| 13) Acrolein                  | 3.61 | 56  | 194936  | 201.633 | ug/l | 98     |
| 14) Allyl chloride            | 4.32 | 41  | 677540  | 46.379  | ug/l | 98     |
| 15) Acrylonitrile             | 4.99 | 53  | 1057659 | 235.464 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 862698  | 189.641 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.05 | 76  | 933450  | 47.957  | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 355943  | 36.999  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 1160089 | 48.955  | ug/l | 100    |
| 20) Methylene Chloride        | 4.55 | 84  | 443989  | 47.730  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 385616  | 49.872  | ug/l | 95     |
| 22) Diisopropyl ether         | 5.96 | 45  | 1468345 | 49.461  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 4427038 | 192.829 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 784817  | 48.973  | ug/l | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 1382985 | 220.079 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 354273  | 35.463  | ug/l | 96     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 446773  | 49.997  | ug/l | 97     |
| 28) Bromochloromethane        | 7.20 | 49  | 423581  | 50.897  | ug/l | 96     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 953292  | 229.473 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 734158  | 49.556  | ug/l | 98     |
| 31) Cyclohexane               | 7.65 | 56  | 720853  | 45.463  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 565568  | 50.132  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 563150  | 50.271  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 462535  | 37.851  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 459628  | 48.727  | ug/l | 99     |

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 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2019 12:44:22 PM

Quant Time: May 10 09:26:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 10 06:48:32 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 623859   | 45.675  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 1755087  | 50.481  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 295623   | 52.123  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 590143   | 48.314  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 779507   | 41.988  | ug/l # | 87       |
| 44) Trichloroethene            | 8.83  | 130  | 415607   | 50.239  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 487236   | 48.979  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 285425   | 49.501  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 548561   | 49.729  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 434811   | 48.611  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 169766   | 973.791 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2815609  | 230.601 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 1011477  | 50.889  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 517020   | 48.801  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 611548   | 48.307  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 401535   | 49.860  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 589553   | 49.217  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 720708   | 50.409  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1925452  | 224.863 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 384402   | 52.500  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 393447   | 50.849  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 396823   | 48.376  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 1034930  | 50.249  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 362902   | 51.182  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1901359  | 49.153  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 1405612  | 101.255 | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 682612   | 50.029  | ug/l   | 99       |
| 70) Stvrene                    | 11.96 | 104  | 1148597  | 52.544  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 251257   | 52.513  | ug/l   | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1804501  | 51.343  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 566666   | 34.972  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 563678   | 49.224  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 502230m  | 43.225  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 420280   | 44.683  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.59 | 91   | 2057666  | 44.950  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1244685  | 43.630  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1535597  | 44.988  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 124871   | 39.656  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1228253  | 45.564  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1273481  | 43.527  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1474495  | 47.102  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1696977  | 43.643  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1440669  | 45.526  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 702222   | 48.316  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 679630   | 47.383  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 1103790  | 45.000  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 229989   | 44.554  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 705980   | 48.602  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 86711    | 44.182  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 260253   | 41.716  | ug/l   | 98       |

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ALS Vial : 51 Sample Multiplier: 1

Instrument :  
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CKMW-21MS

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Quant Title : SW846 8260  
QLast Update : Fri May 10 06:48:32 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 15.01 | 225  | 200730   | 46.535 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 690942   | 39.484 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 287860   | 42.417 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

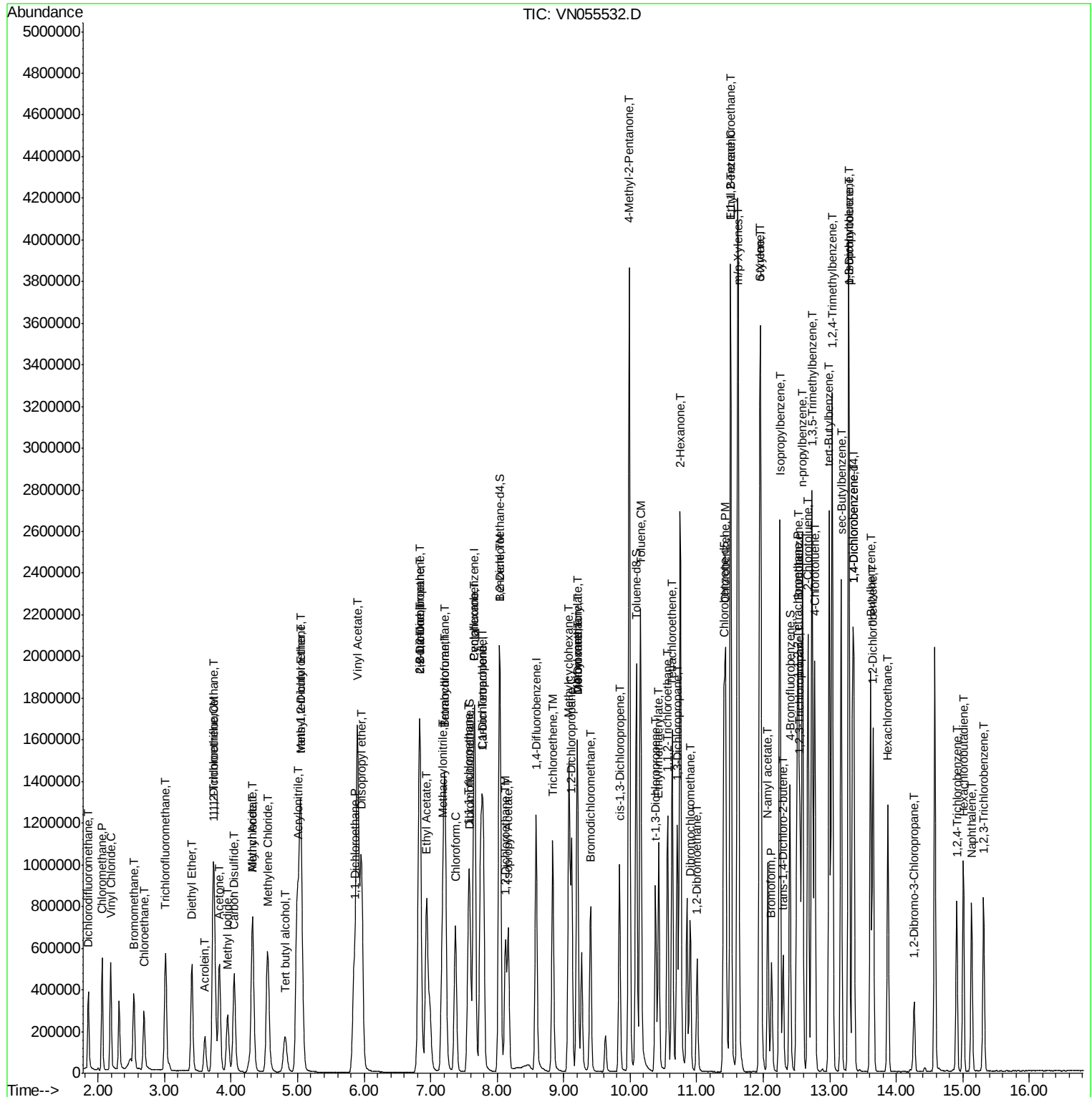
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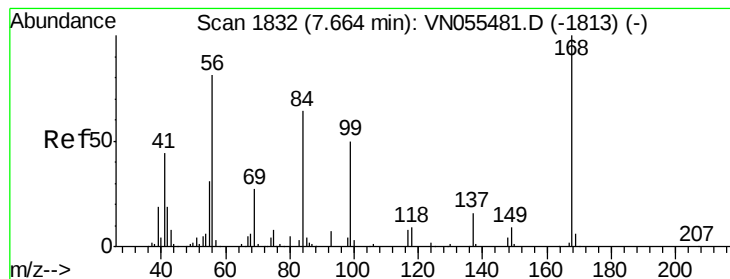
Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

Manual Integrations  
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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion:168 Resp: 652511

Ion Ratio Lower Upper

168 100

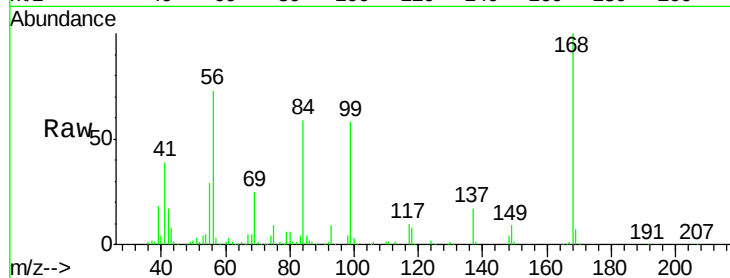
99 56.9 47.0 70.4

Manual Integrations

APPROVED

MMDadoda

5/10/2019 12:44:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

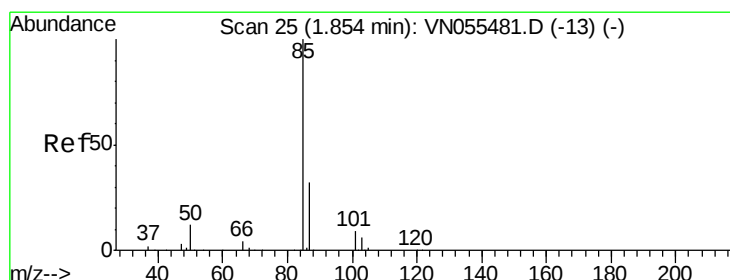
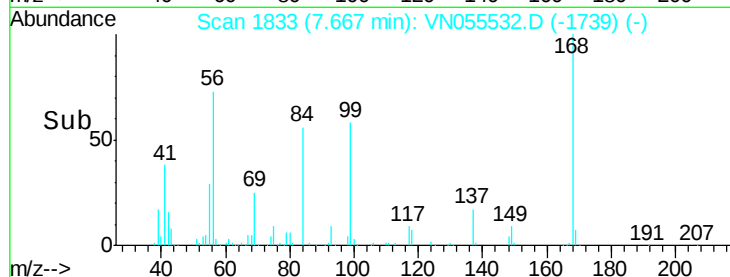
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50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 45.159 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055532.D

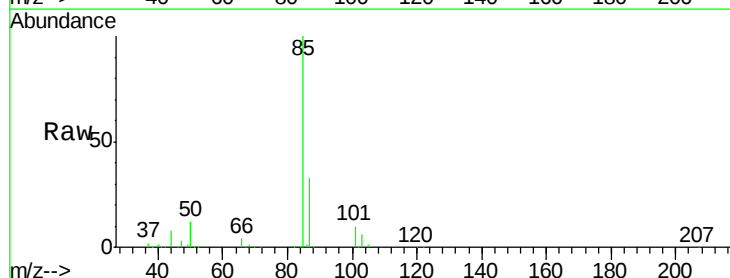
Acq: 10 May 2019 6:39

Tgt Ion: 85 Resp: 300008

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

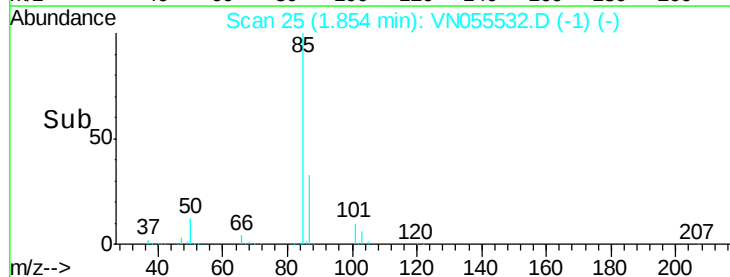
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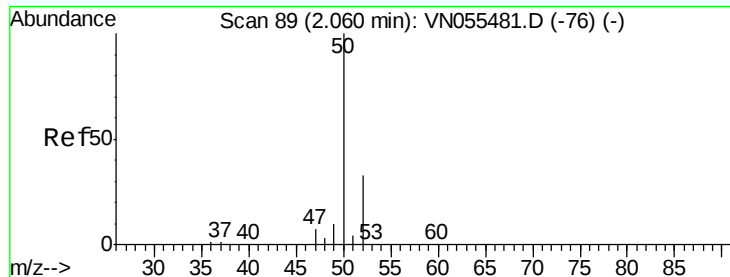
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.532 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion: 50 Resp: 491416

Ion Ratio Lower Upper

50 100

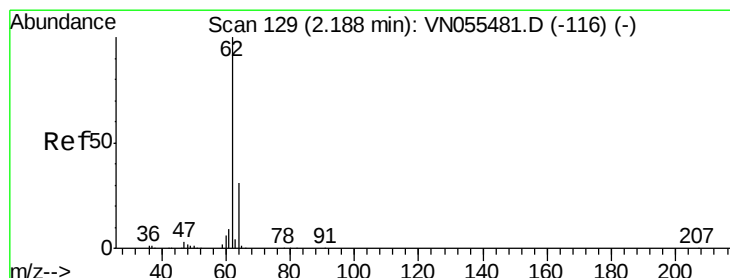
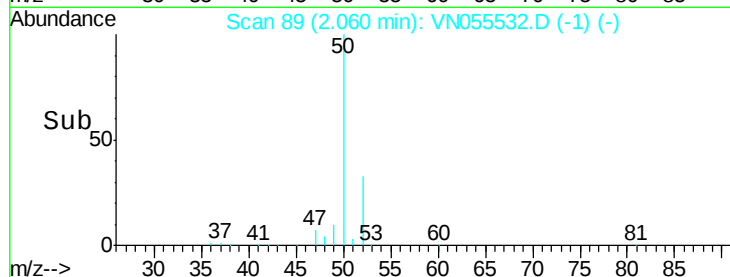
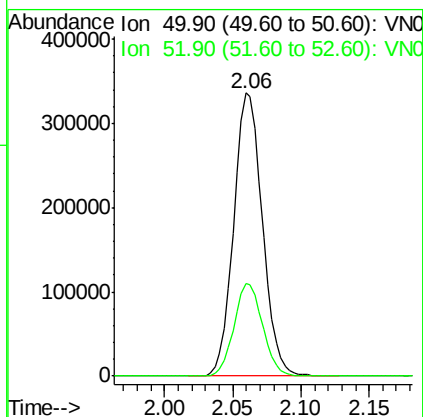
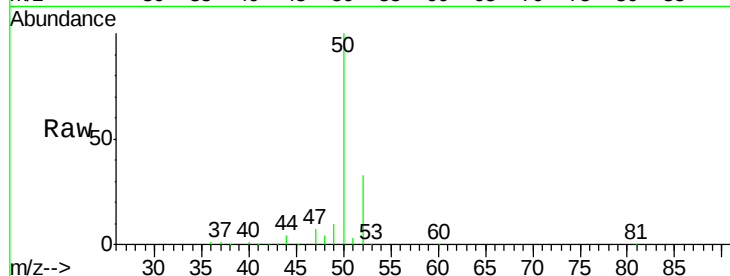
52 32.5 26.6 39.8

Manual Integrations

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5/10/2019 12:44:22 PM



#4

Vinyl Chloride

Concen: 47.460 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055532.D

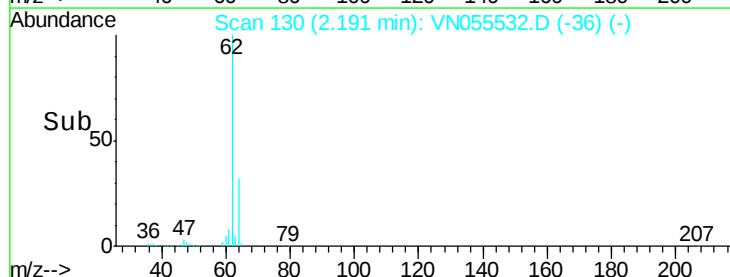
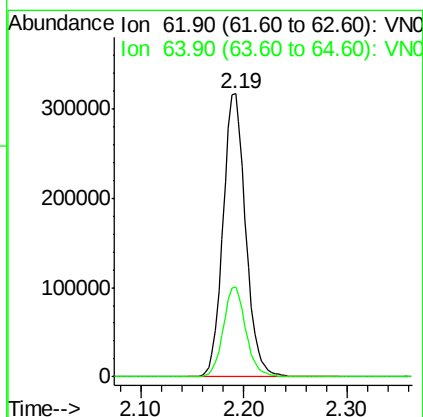
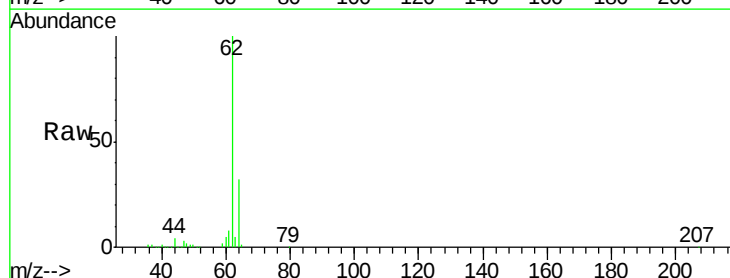
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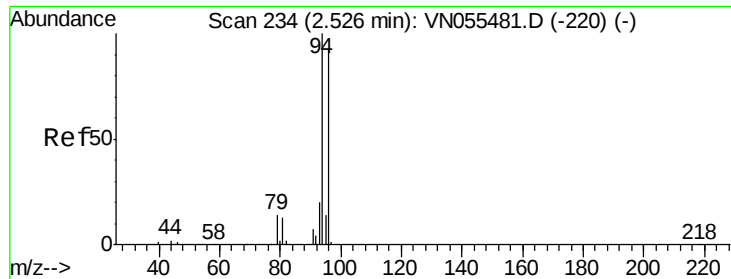
Tgt Ion: 62 Resp: 483518

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 46.518 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055532.D

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Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 259664

Ion Ratio Lower Upper

94 100

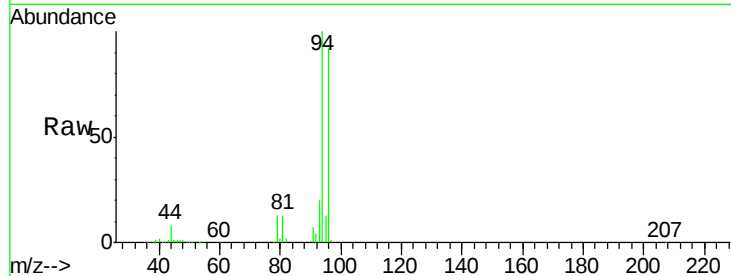
96 92.4 74.8 112.2

Manual Integrations

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5/10/2019 12:44:22 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

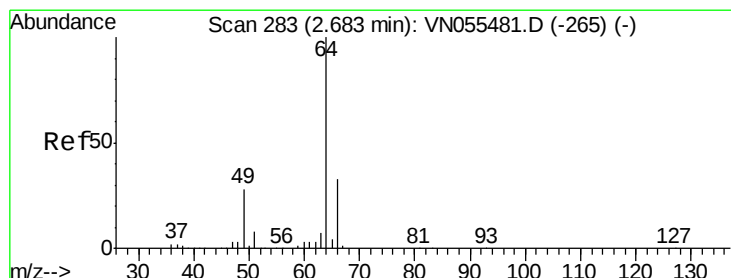
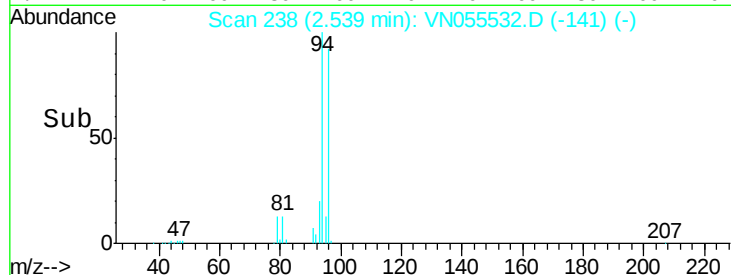
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50000

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Time-->



#6

Chloroethane

Concen: 49.643 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055532.D

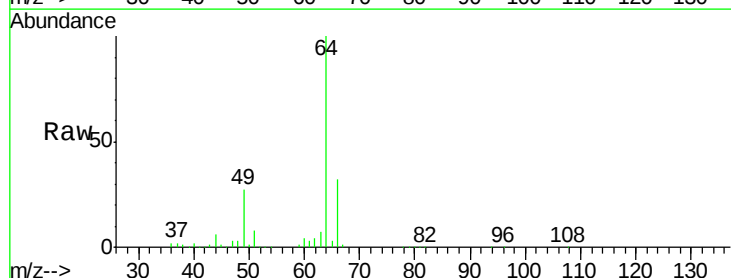
Acq: 10 May 2019 6:39

Tgt Ion: 64 Resp: 294598

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.69

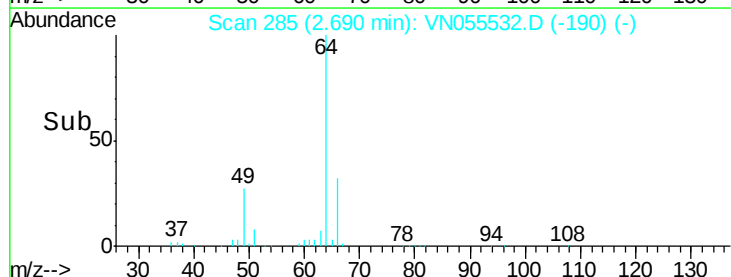
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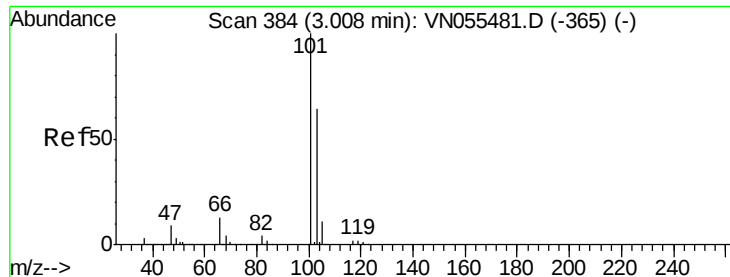
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50000

0

Time-->





#7

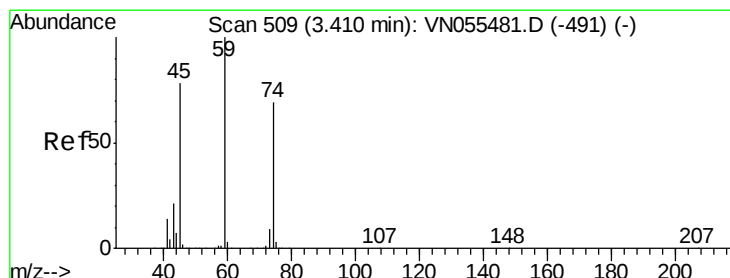
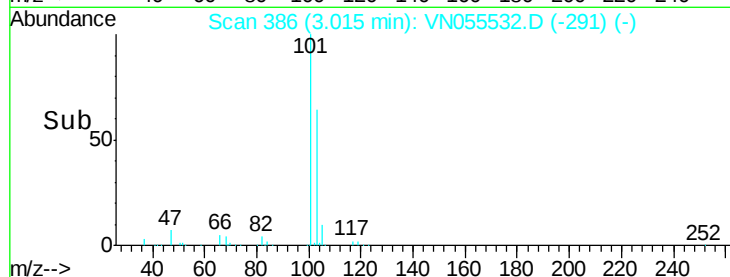
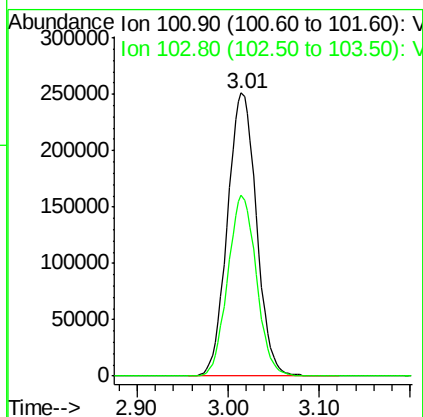
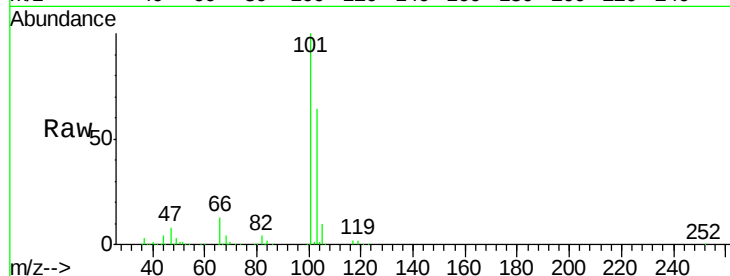
Trichlorofluoromethane  
 Concen: 49.807 ug/l  
 RT: 3.01 min Scan# 386  
 Delta R.T. 0.01 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 556671 |       |       |
| 103     | 63.8  | 51.2   | 76.8  |       |

Manual Integrations  
 APPROVED

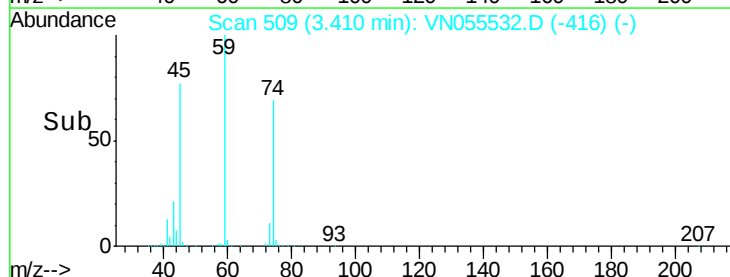
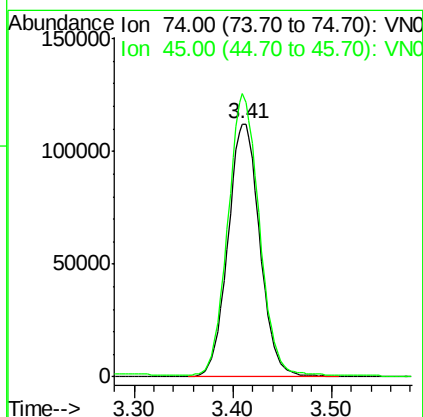
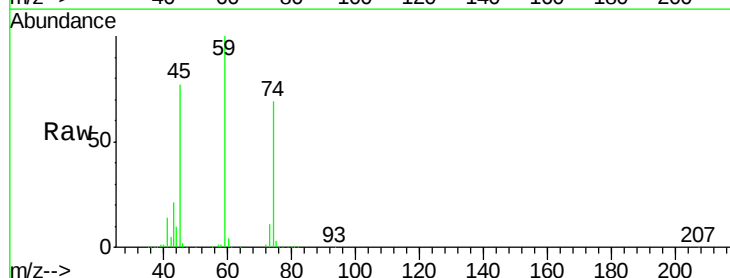
MMDadoda  
 5/10/2019 12:44:22 PM

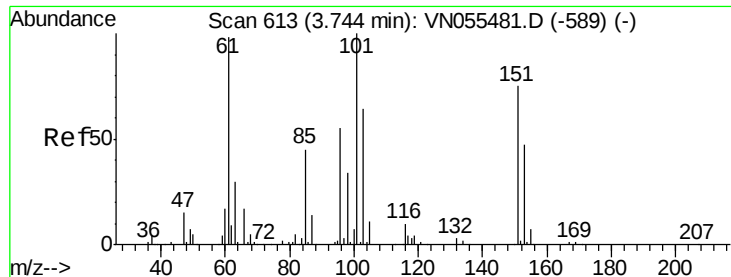


#8

Diethyl Ether  
 Concen: 50.329 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 252627 |       |       |
| 45      | 108.8 | 58.1   | 174.3 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.623 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

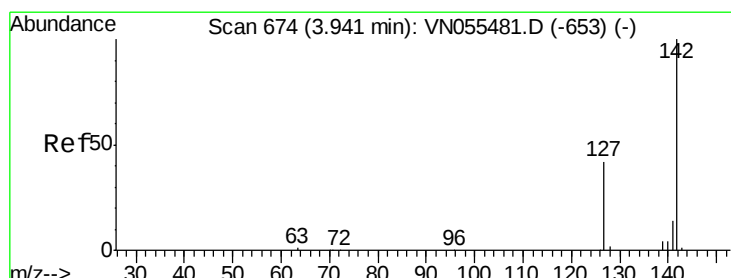
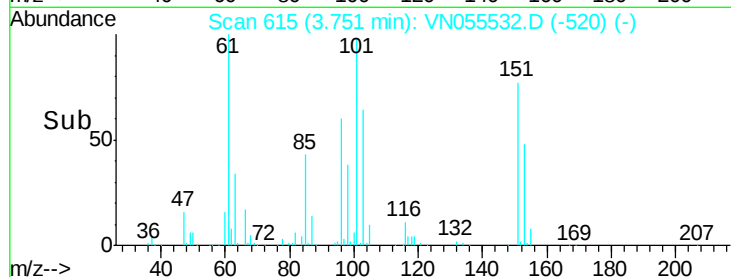
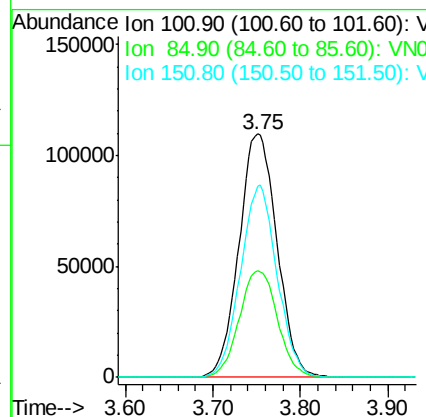
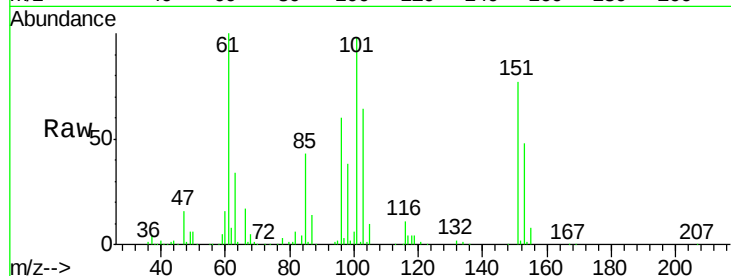
ClientSampled :

CKMW-21MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 331532 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.1  | 35.5  | 53.3   |
| 151       | 76.0  | 59.2  | 88.8   |

Manual Integrations  
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MMDadoda  
5/10/2019 12:44:22 PM



#10

Methyl Iodide

Concen: 48.225 ug/l

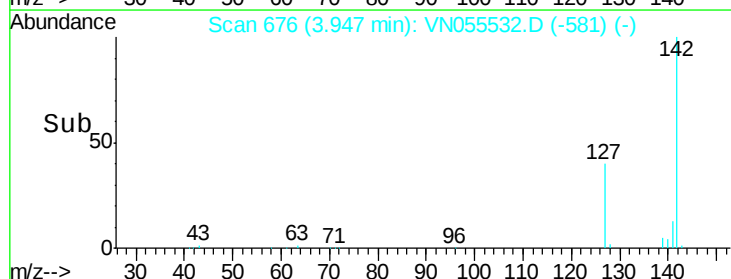
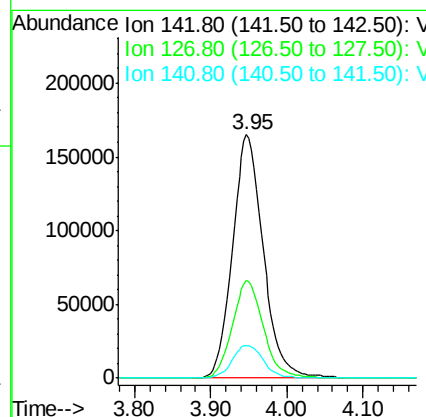
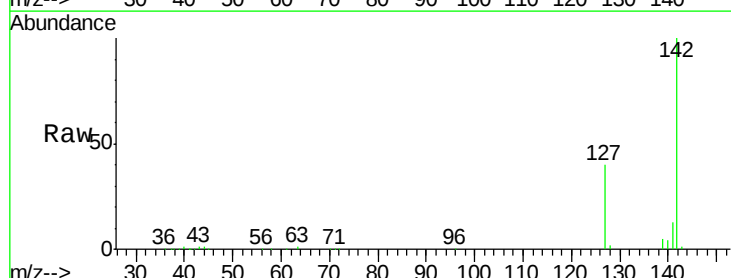
RT: 3.95 min Scan# 676

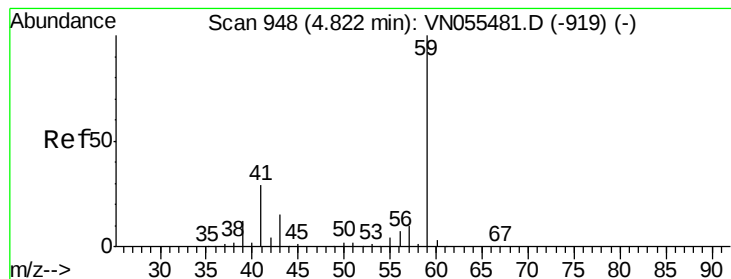
Delta R.T. 0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 463495 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.3  | 33.0  | 49.4   |
| 141       | 13.8  | 11.4  | 17.0   |





#11

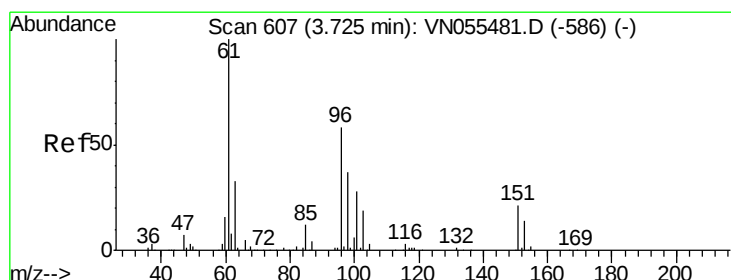
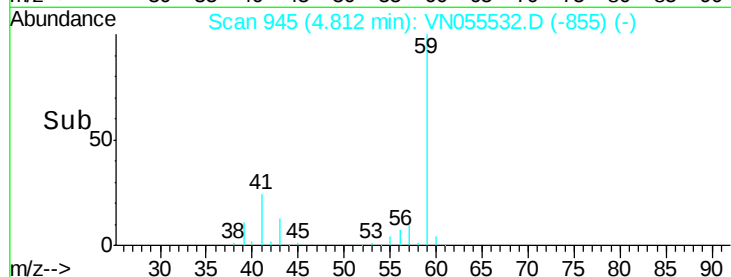
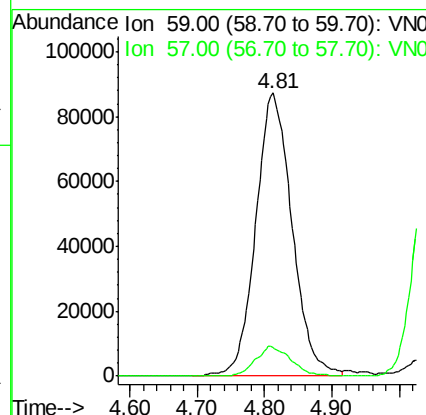
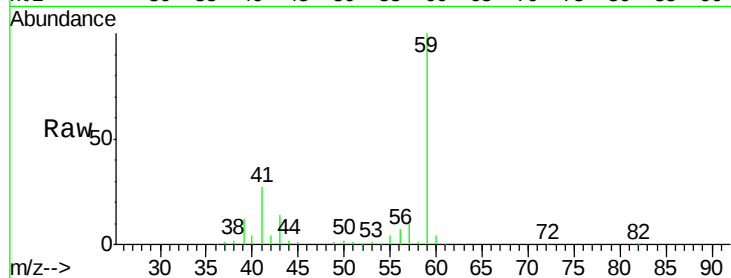
Tert butyl alcohol  
Concen: 225.793 ug/l  
RT: 4.81 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampled :  
CKMW-21MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 327539 |       |       |
| 57      | 10.4  |        | 8.0   | 12.0  |

Manual Integrations  
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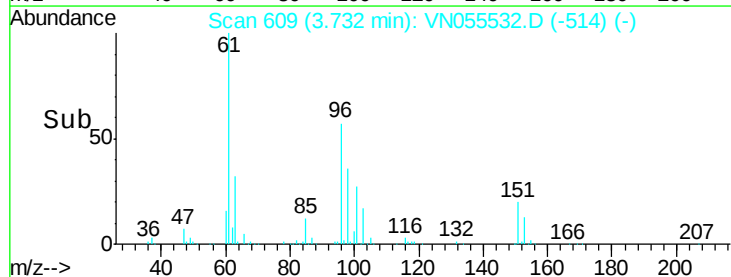
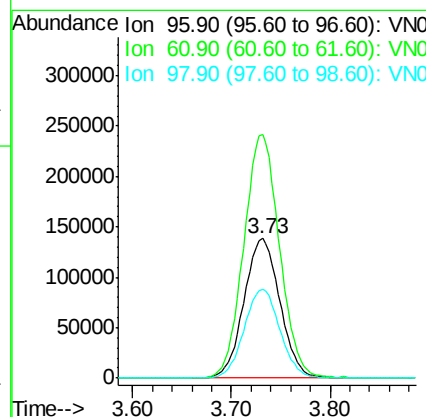
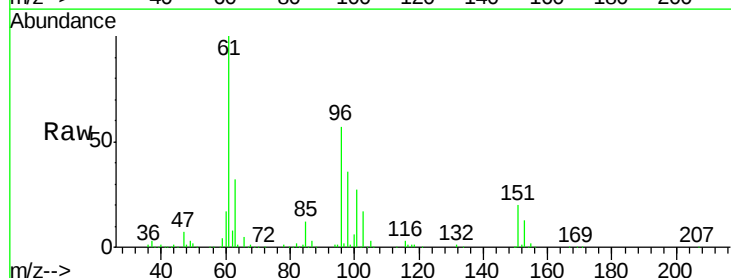
MMDadoda  
5/10/2019 12:44:22 PM

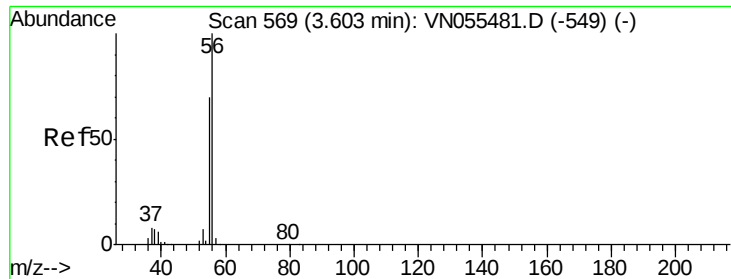


#12

1,1-Dichloroethene  
Concen: 48.873 ug/l  
RT: 3.73 min Scan# 609  
Delta R.T. 0.01 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 348542 |       |       |
| 61      | 174.5 |        | 138.7 | 208.1 |
| 98      | 63.5  |        | 50.6  | 76.0  |





#13

Acrolein

Concen: 201.633 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion: 56 Resp: 194936

Ion Ratio Lower Upper

56 100

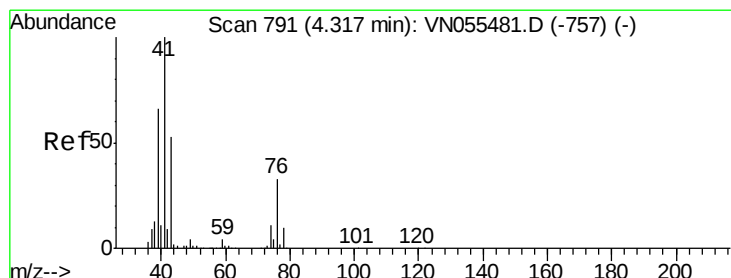
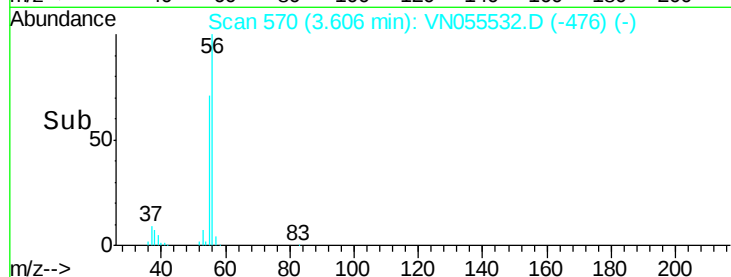
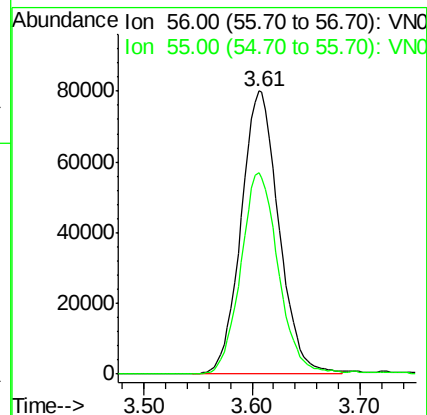
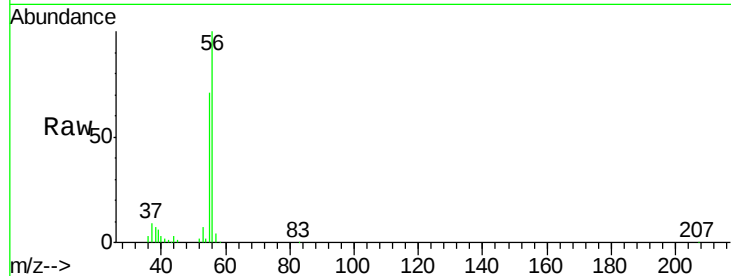
55 70.8 57.7 86.5

Manual Integrations

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5/10/2019 12:44:22 PM



#14

Allyl chloride

Concen: 46.379 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

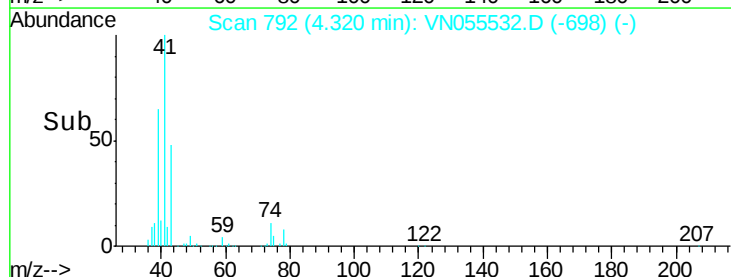
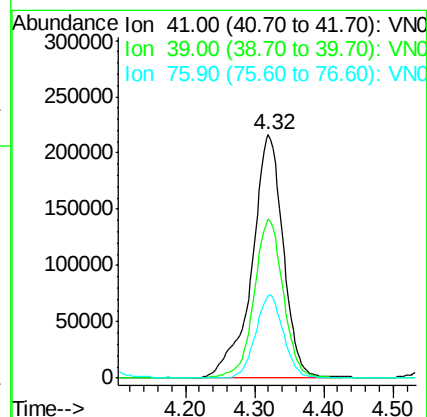
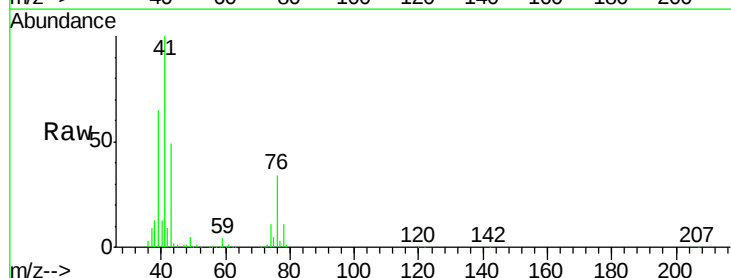
Tgt Ion: 41 Resp: 677540

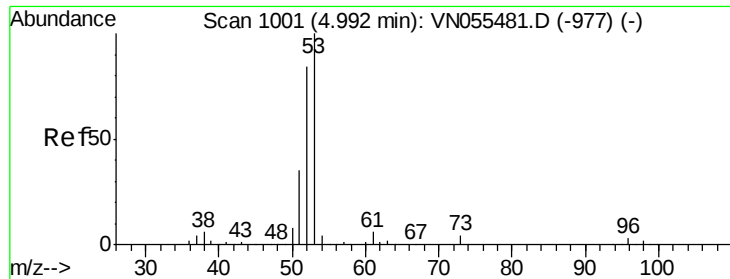
Ion Ratio Lower Upper

41 100

39 60.9 49.8 74.8

76 29.9 23.5 35.3





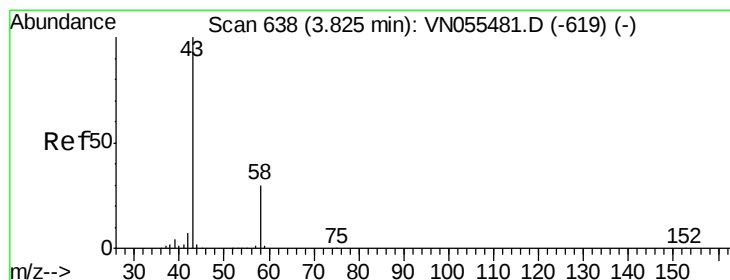
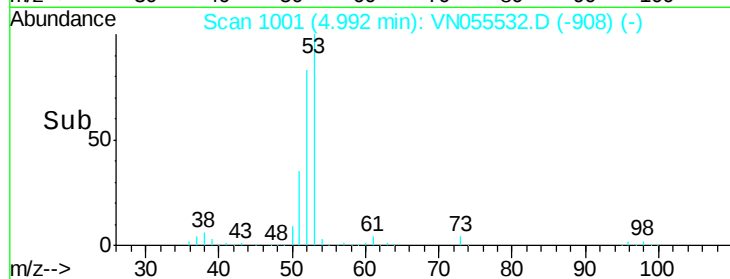
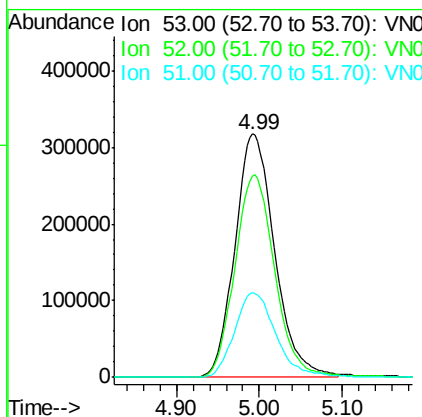
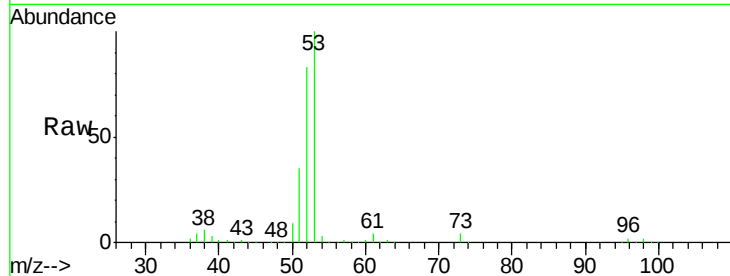
#15  
 Acrylonitrile  
 Concen: 235.464 ug/l  
 RT: 4.99 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 83.3  | 66.1  | 99.1  |
| 51      | 36.1  | 28.3  | 42.5  |

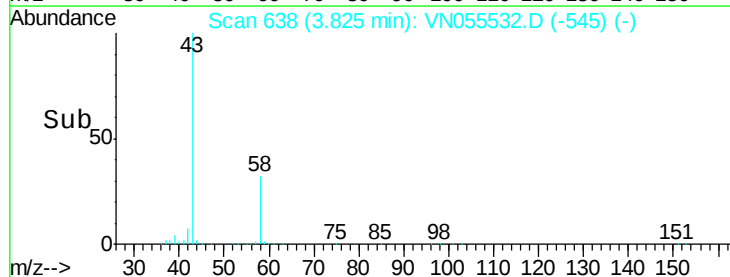
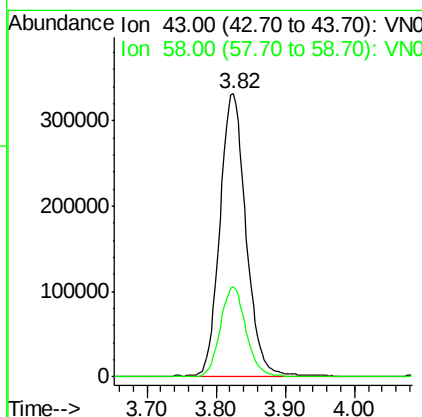
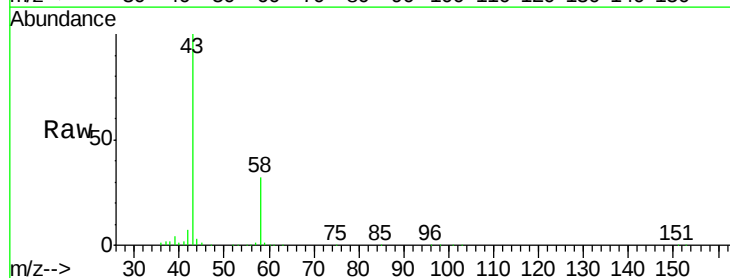
Manual Integrations  
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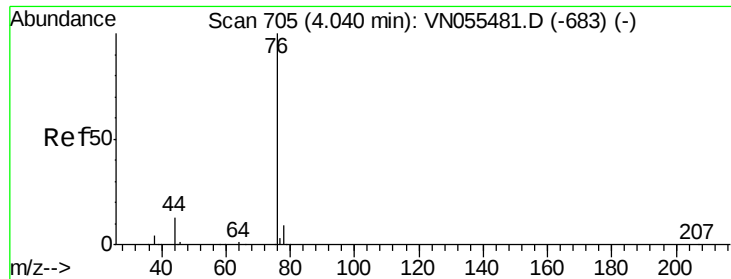
MMDadoda  
 5/10/2019 12:44:22 PM



#16  
 Acetone  
 Concen: 189.641 ug/l  
 RT: 3.82 min Scan# 638  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 31.9  | 24.2  | 36.2  |





#17

Carbon Disulfide

Concen: 47.957 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion: 76 Resp: 933450

Ion Ratio Lower Upper

76 100

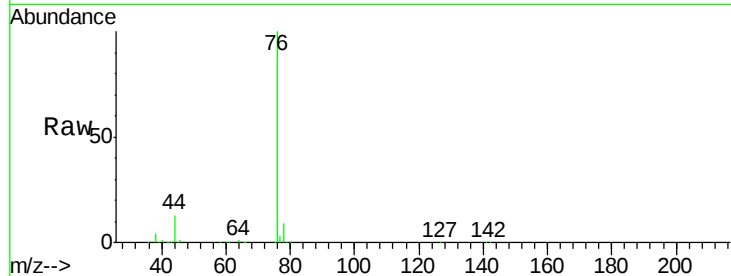
78 9.0 7.4 11.0

Manual Integrations

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MMDadoda

5/10/2019 12:44:22 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

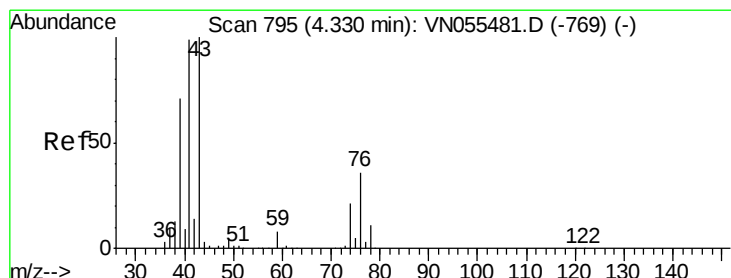
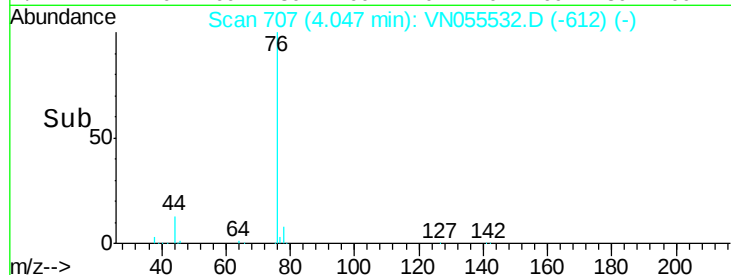
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 36.999 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055532.D

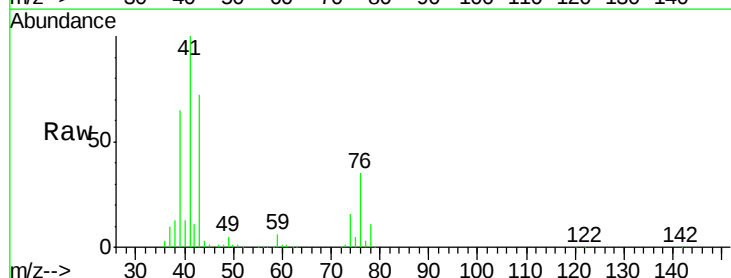
Acq: 10 May 2019 6:39

Tgt Ion: 43 Resp: 355943

Ion Ratio Lower Upper

43 100

74 21.5 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

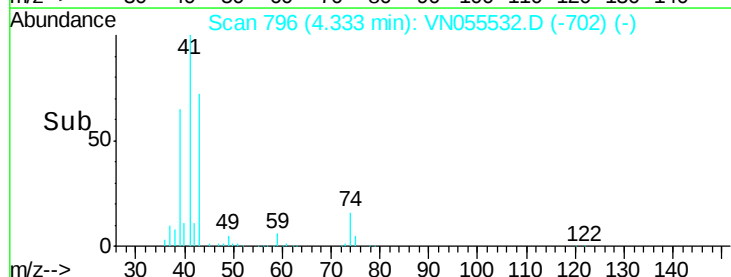
4.33

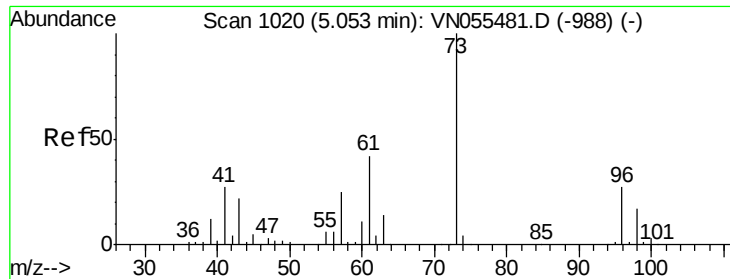
100000

50000

0

Time-->





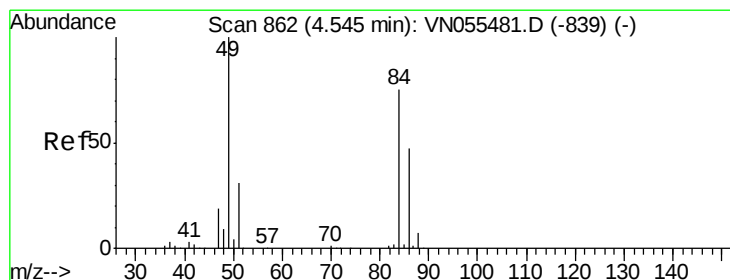
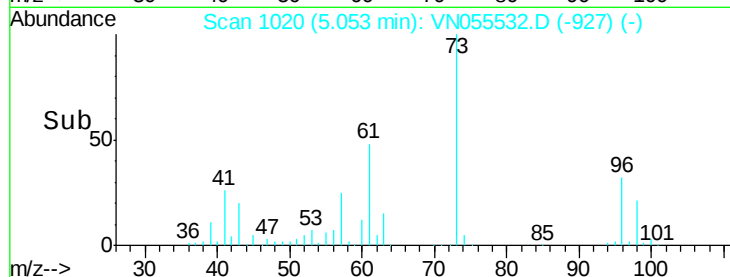
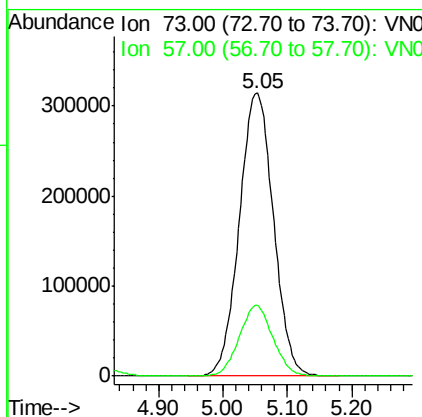
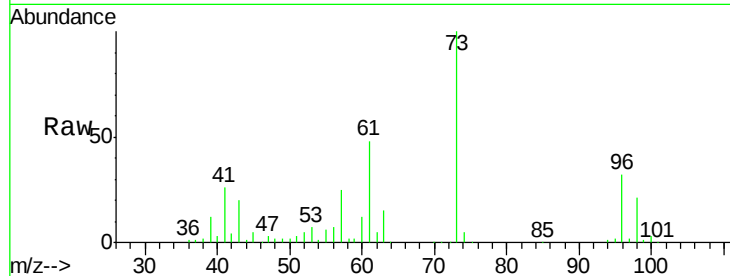
#19  
Methyl tert-butyl Ether  
Concen: 48.955 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

Tot Ion: 73 Resp: 1160089  
Ion Ratio Lower Upper  
73 100  
57 25.0 20.0 30.0

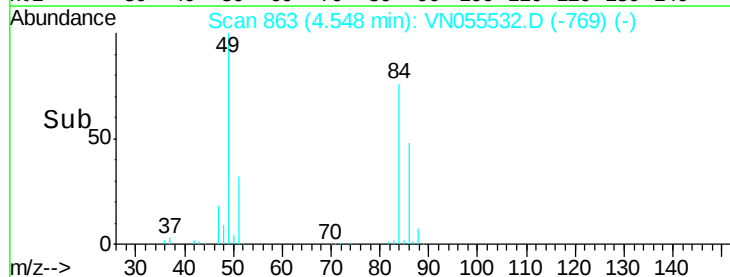
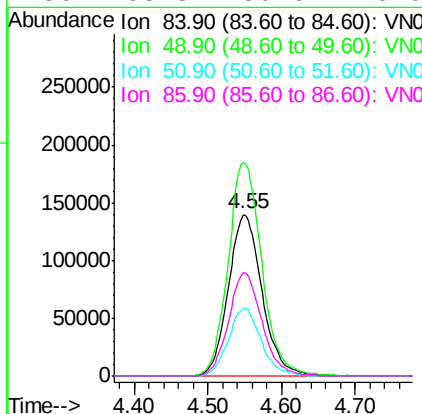
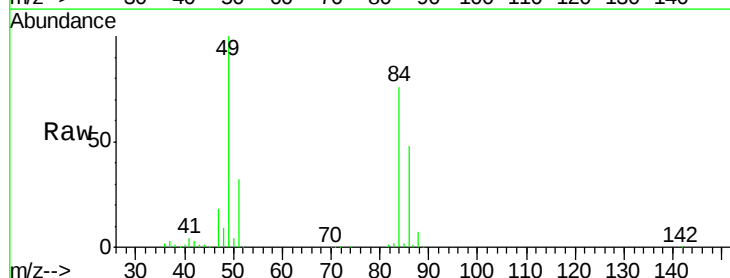
Manual Integrations  
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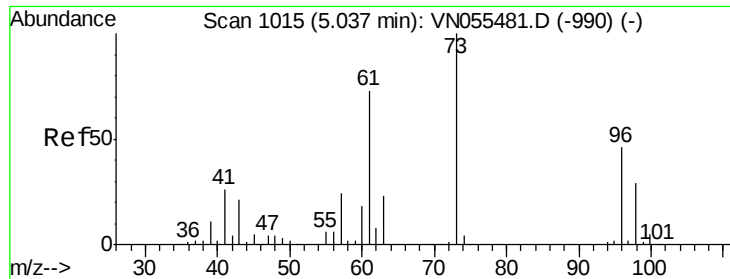
MMDadoda  
5/10/2019 12:44:22 PM



#20  
Methylene Chloride  
Concen: 47.730 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Tgt Ion: 84 Resp: 443989  
Ion Ratio Lower Upper  
84 100  
49 132.1 107.0 160.6  
51 41.7 33.0 49.4  
86 63.8 50.6 76.0





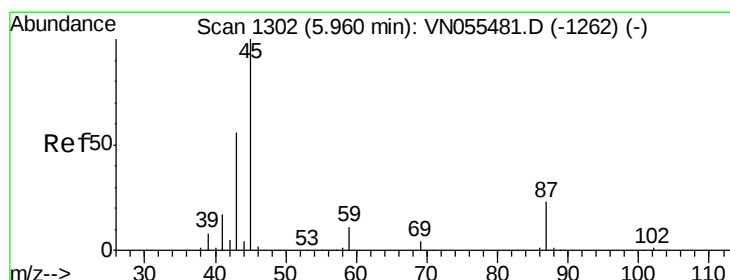
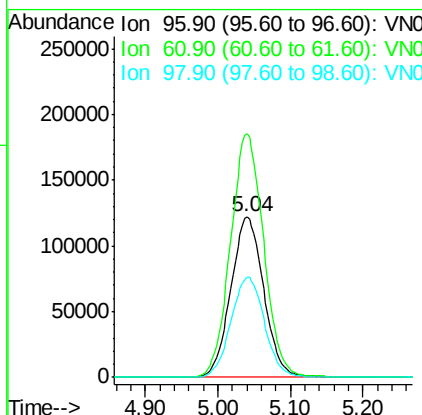
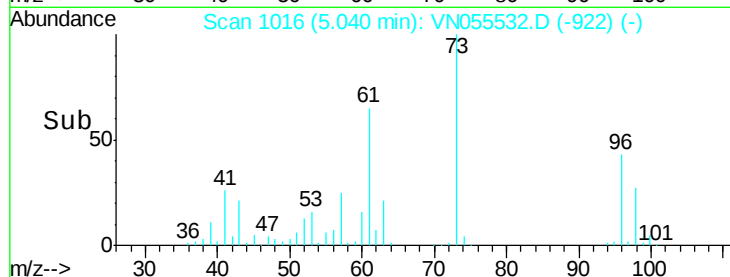
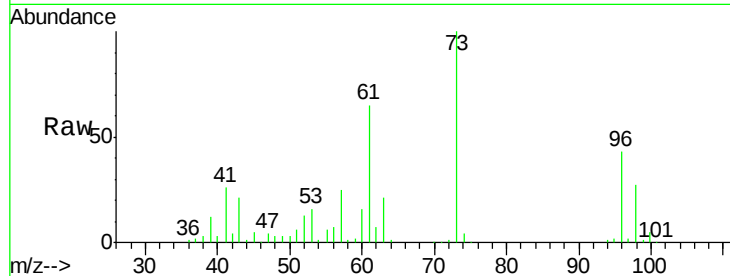
#21  
trans-1,2-Dichloroethene  
Concen: 49.872 ug/l  
RT: 5.04 min Scan# 1016  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.4 | 127.4 | 191.0 |
| 98      | 62.2  | 51.6  | 77.4  |

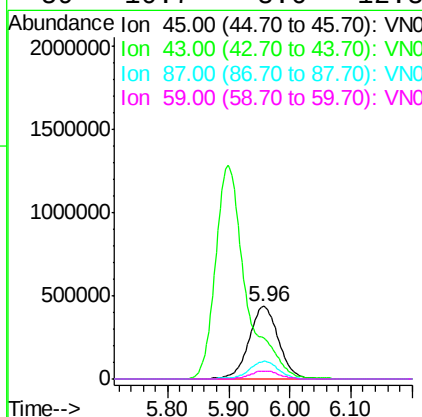
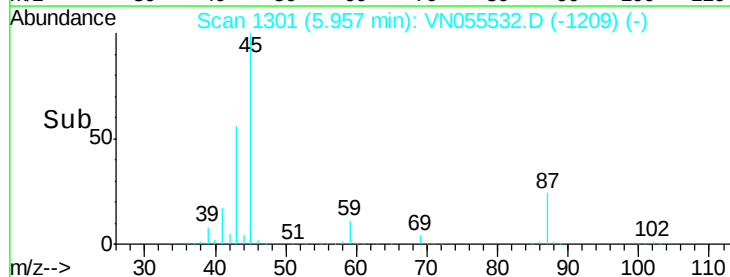
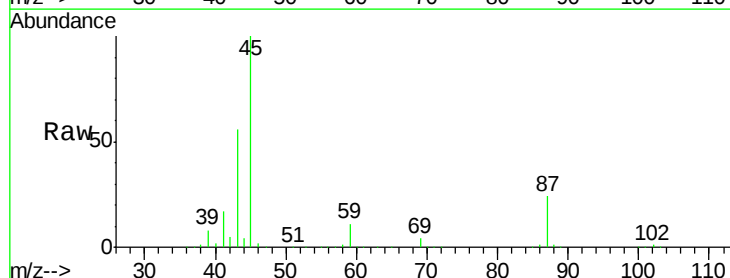
Manual Integrations  
APPROVED

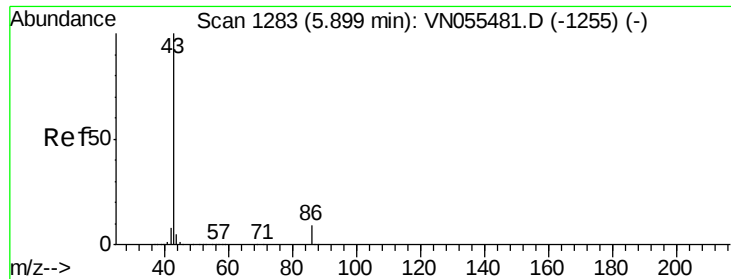
MMDadoda  
5/10/2019 12:44:22 PM



#22  
Diisopropyl ether  
Concen: 49.461 ug/l  
RT: 5.96 min Scan# 1301  
Delta R.T. -0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 55.9  | 44.6  | 66.8  |
| 87      | 24.1  | 18.6  | 28.0  |
| 59      | 10.7  | 8.6   | 12.8  |





#23

Vinyl Acetate

Concen: 192.829 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampled :

CKMW-21MS

Tot Ion: 43 Resp: 4427038

Ion Ratio Lower Upper

43 100

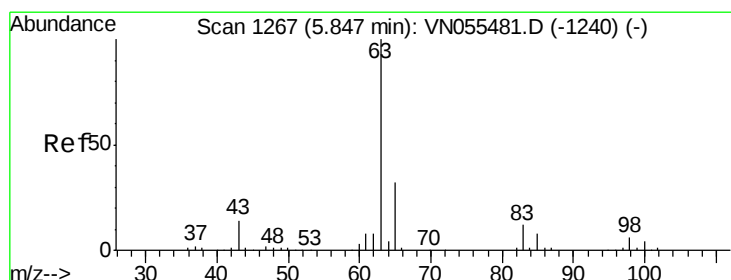
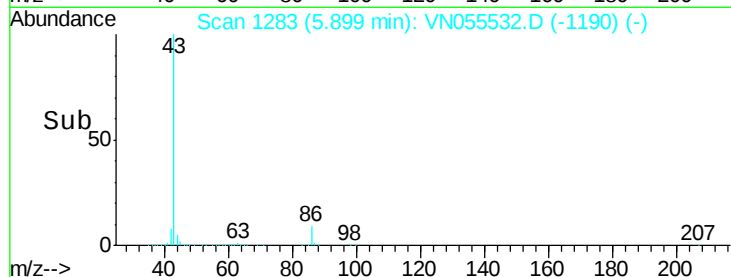
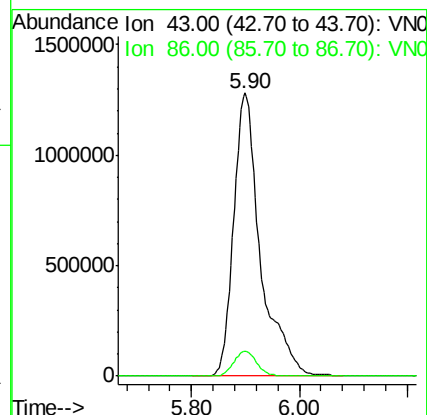
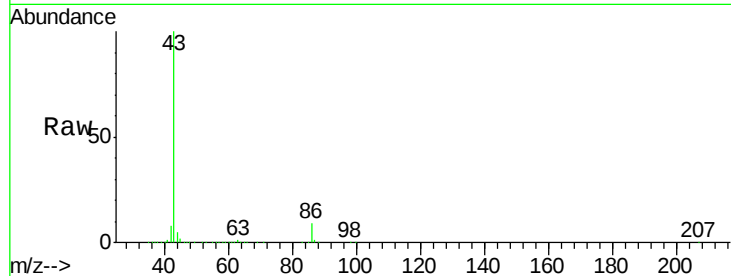
86 8.9 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.973 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

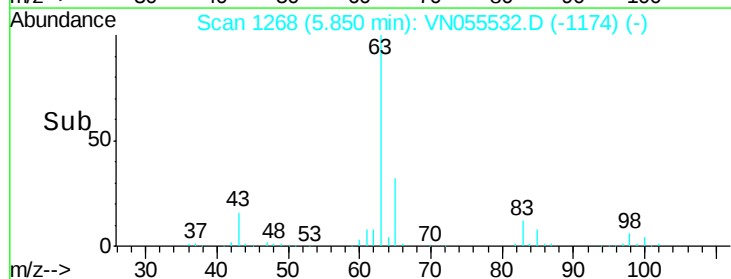
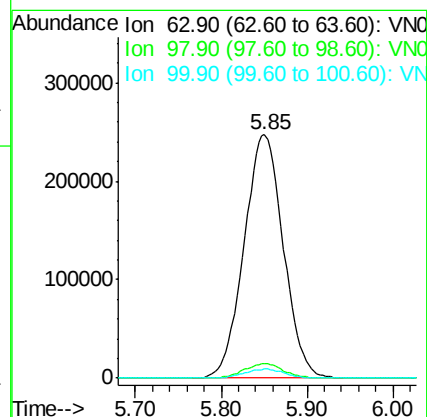
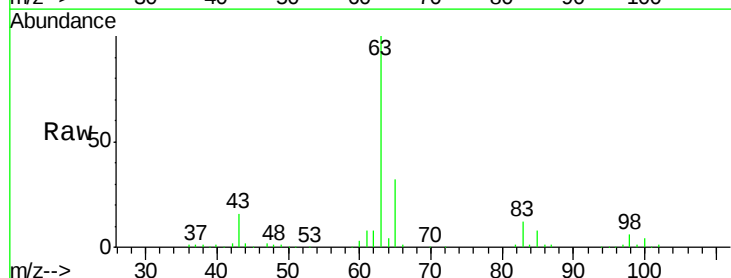
Tgt Ion: 63 Resp: 784817

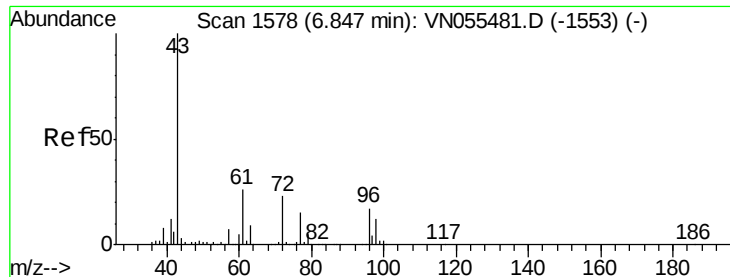
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 220.079 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampled :

CKMW-21MS

Tot Ion: 43 Resp: 1382985

Ion Ratio Lower Upper

43 100

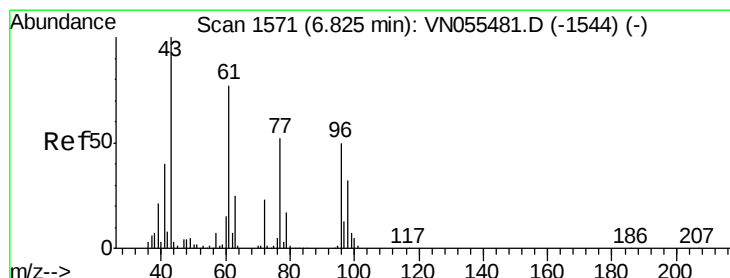
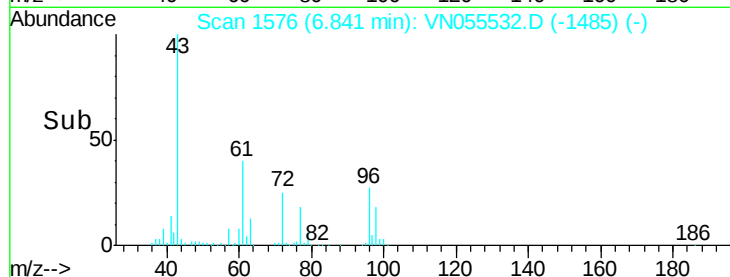
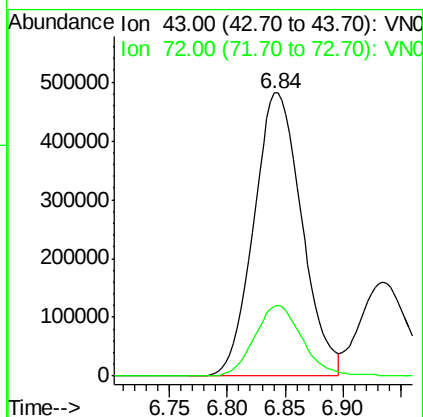
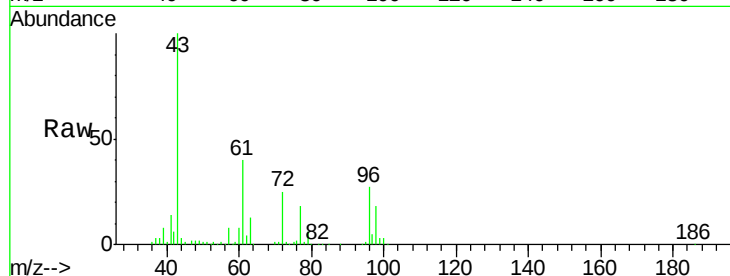
72 24.8 18.6 27.8

Manual Integrations

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5/10/2019 12:44:22 PM



#26

2,2-Dichloropropane

Concen: 35.463 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055532.D

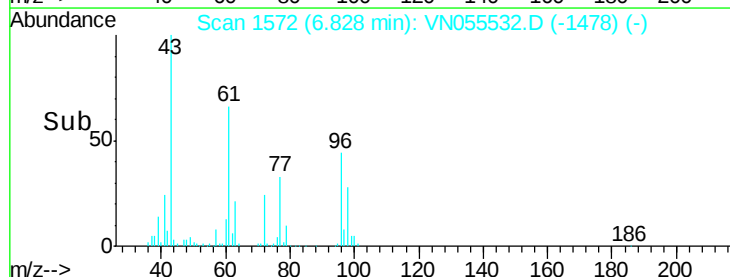
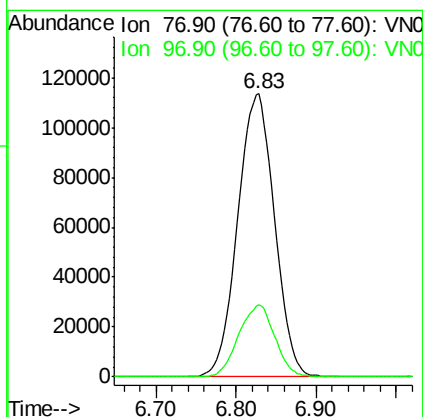
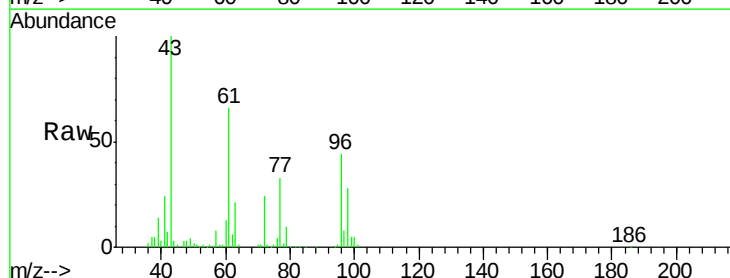
Acq: 10 May 2019 6:39

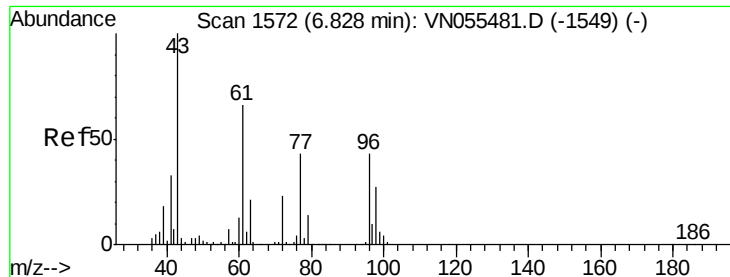
Tgt Ion: 77 Resp: 354273

Ion Ratio Lower Upper

77 100

97 25.0 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 49.997 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

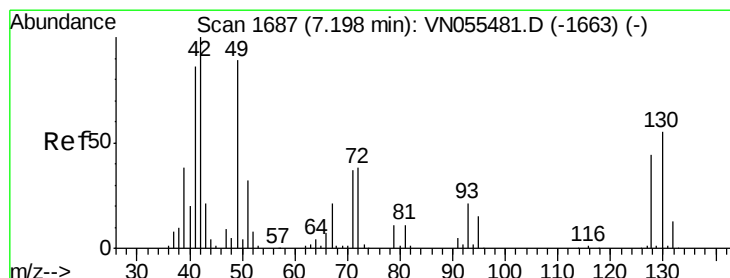
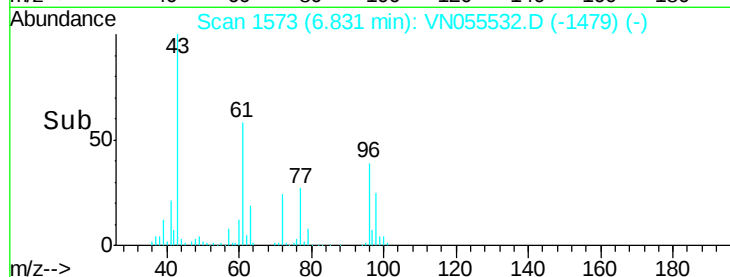
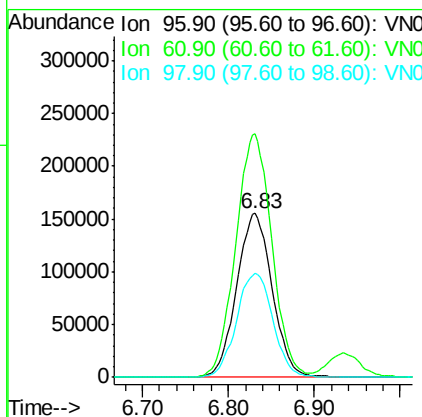
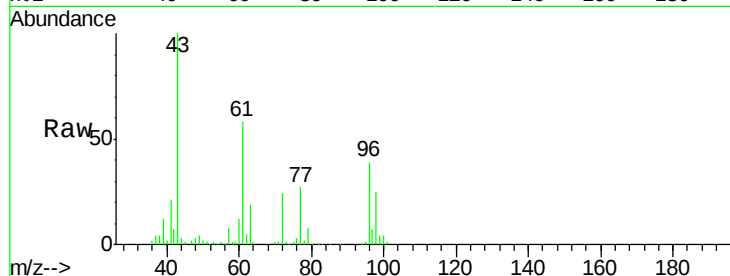
ClientSampleId :

CKMW-21MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 446773 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 150.7 | 0.0   | 310.8  |
| 98       | 65.1  | 0.0   | 129.4  |

Manual Integrations  
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5/10/2019 12:44:22 PM



#28

Bromochloromethane

Concen: 50.897 ug/l

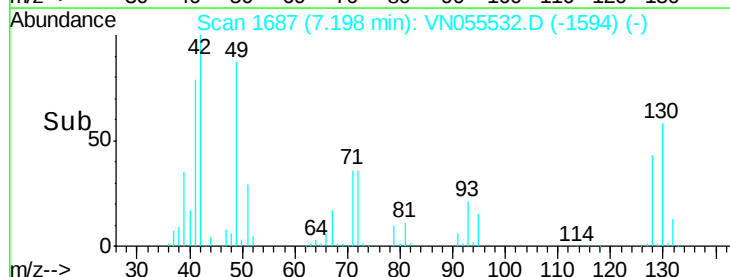
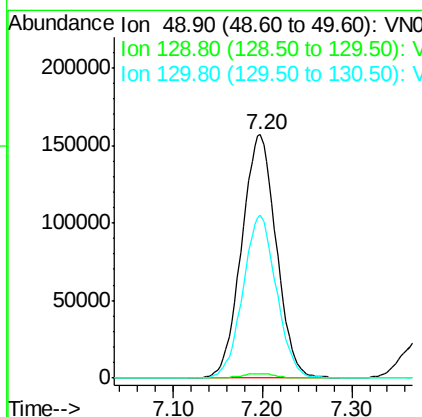
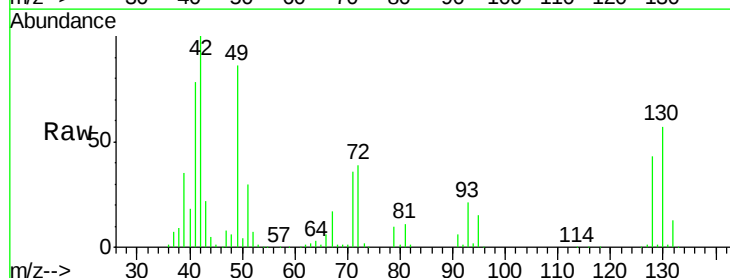
RT: 7.20 min Scan# 1687

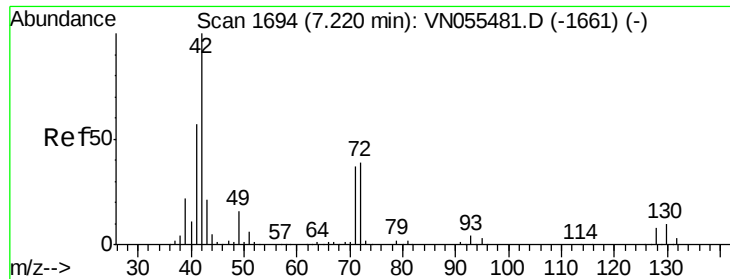
Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 423581 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.0   | 0.0   | 3.2    |
| 130      | 64.7  | 49.5  | 74.3   |





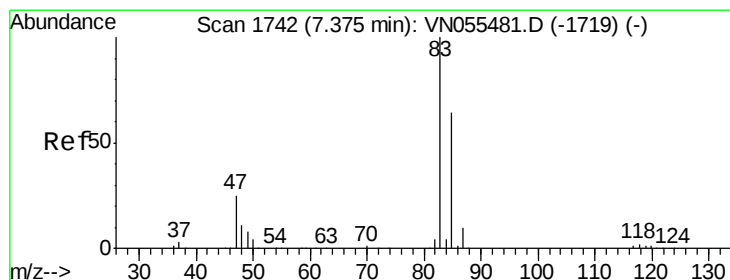
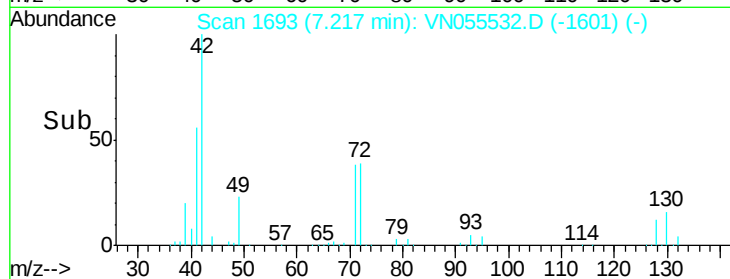
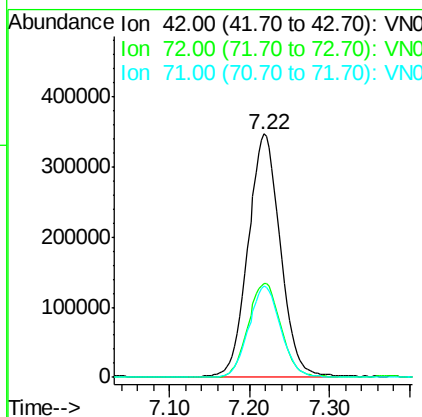
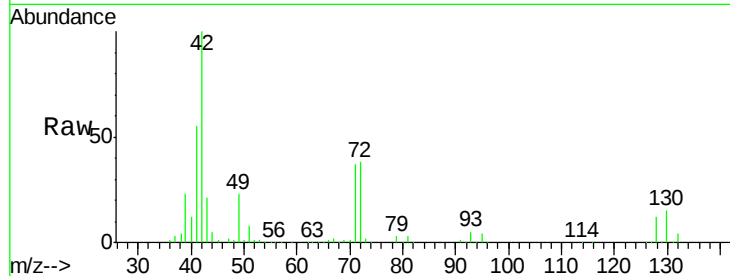
#29  
Tetrahydrofuran  
Concen: 229.473 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. -0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.2  | 31.0  | 46.6  |
| 71      | 37.4  | 29.4  | 44.2  |

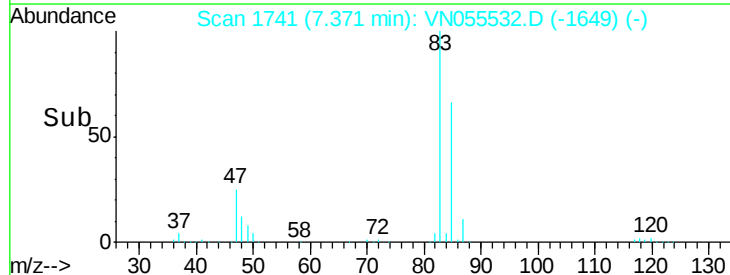
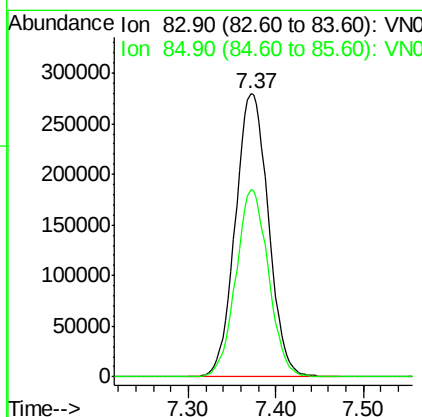
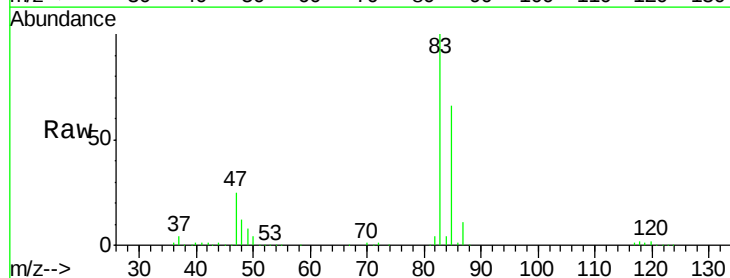
Manual Integrations  
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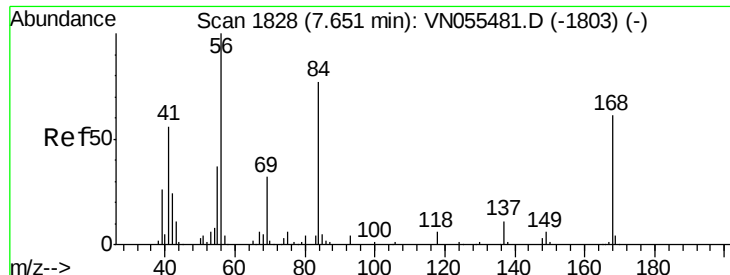
MMDadoda  
5/10/2019 12:44:22 PM



#30  
Chloroform  
Concen: 49.556 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.0  | 51.3  | 76.9  |





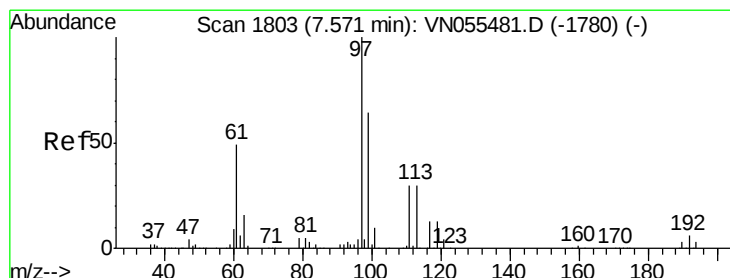
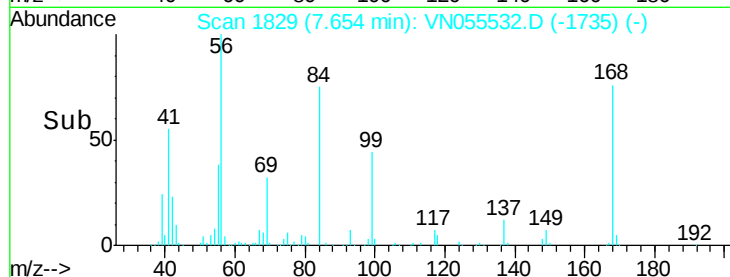
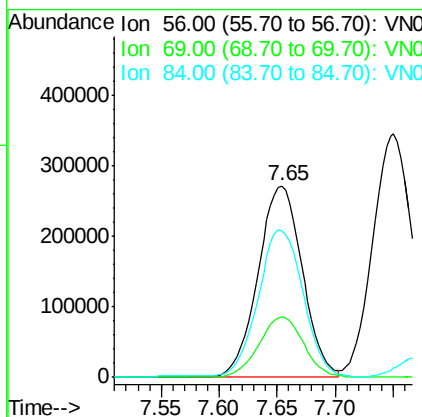
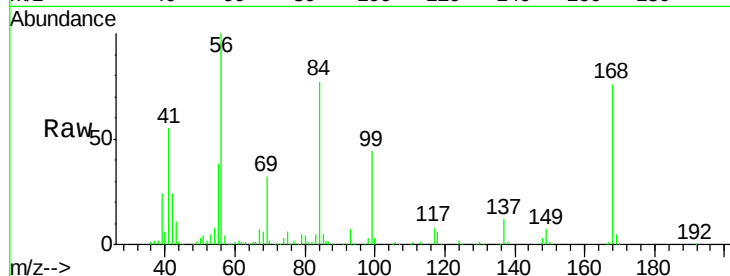
#31  
Cyclohexane  
Concen: 45.463 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 56      | 100   |      |       |       |
| 69      | 31.7  | 26.0 | 39.0  |       |
| 84      | 75.5  | 61.9 | 92.9  |       |

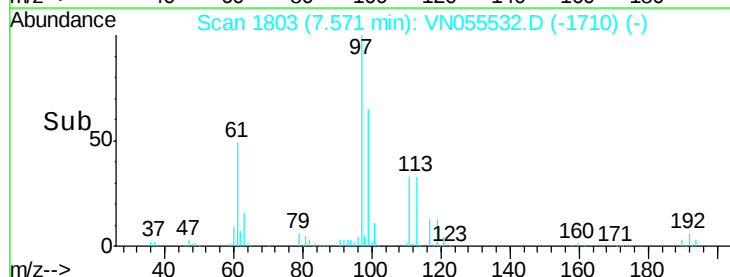
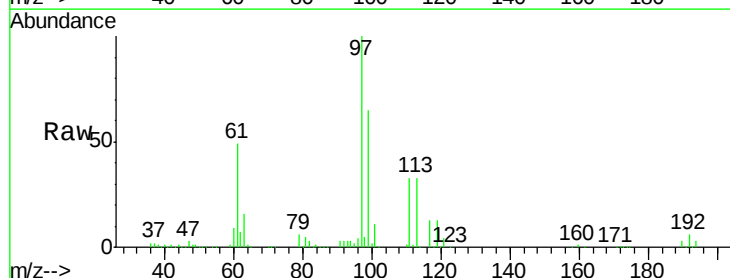
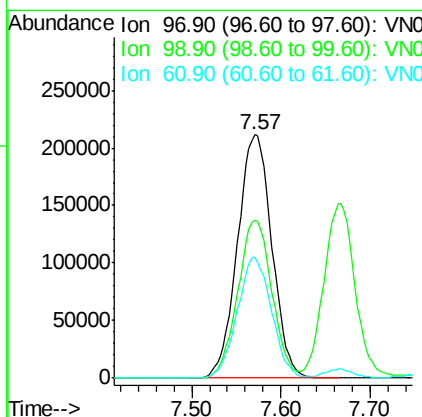
Manual Integrations  
APPROVED

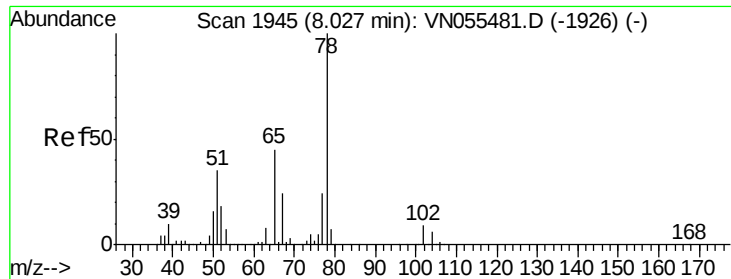
MMDadoda  
5/10/2019 12:44:22 PM



#32  
1,1,1-Trichloroethane  
Concen: 50.132 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 97      | 100   |      |       |       |
| 99      | 64.5  | 51.2 | 76.8  |       |
| 61      | 49.2  | 39.2 | 58.8  |       |





#33

1,2-Dichloroethane-d4

Concen: 50.295 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion: 65 Resp: 494132

Ion Ratio Lower Upper

65 100

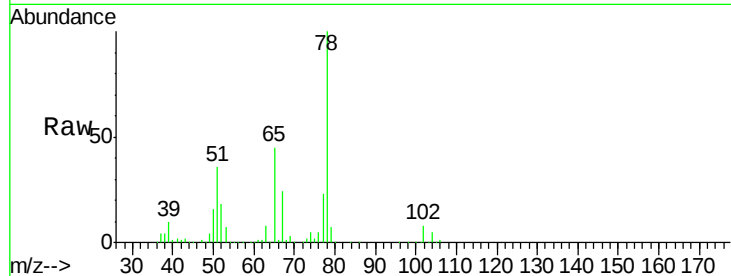
67 54.5 0.0 109.6

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Abundance Ion 64.90 (64.60 to 65.60): VN055532.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055532.D (-1852) (-)

8.03

250000

200000

150000

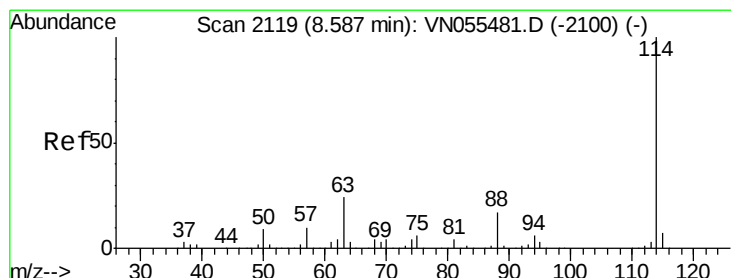
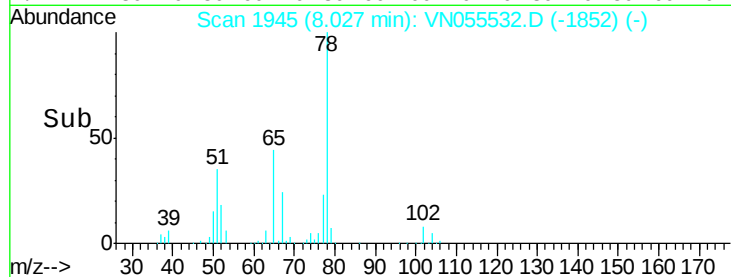
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

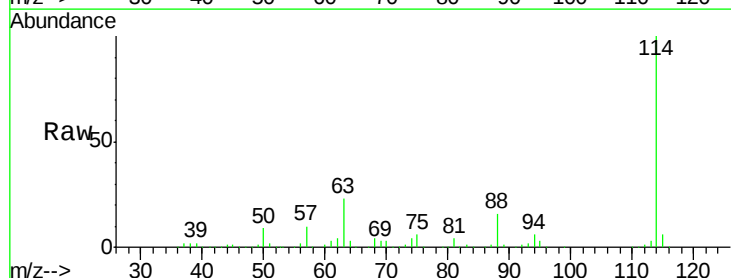
Tgt Ion: 114 Resp: 1137089

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.4

88 16.1 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN055532.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055532.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055532.D (-2026) (-)

8.59

600000

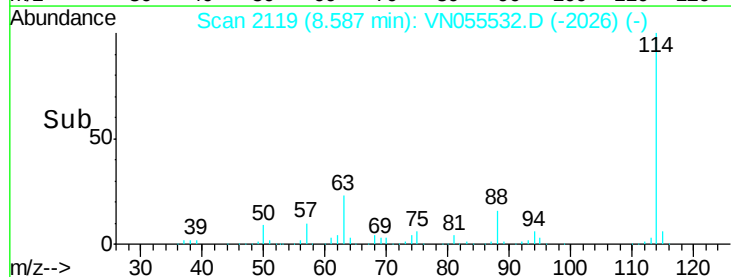
400000

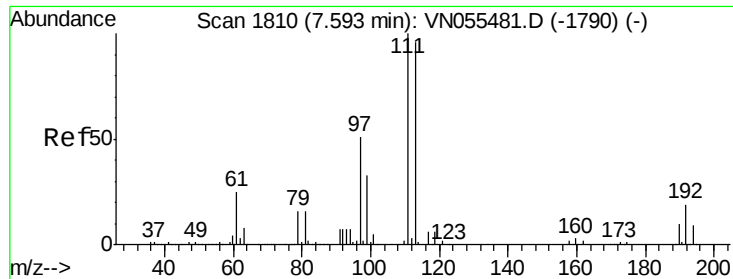
200000

0

8.50 8.60 8.70 8.80

Time-->





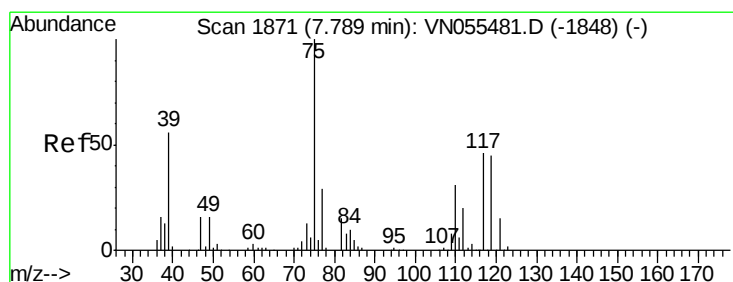
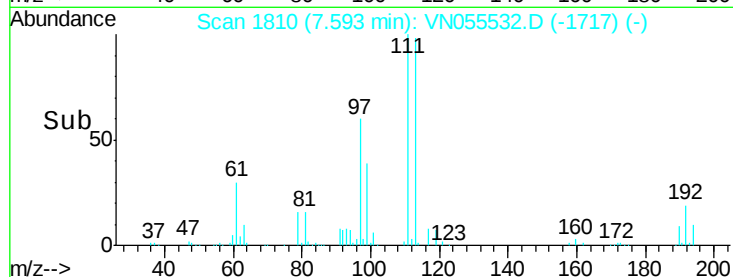
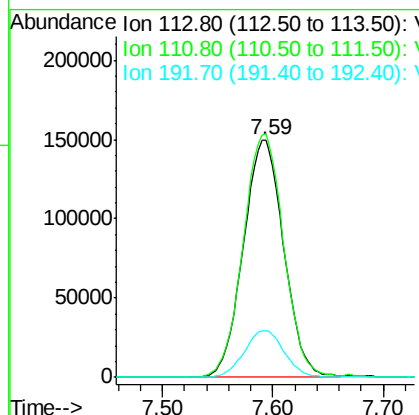
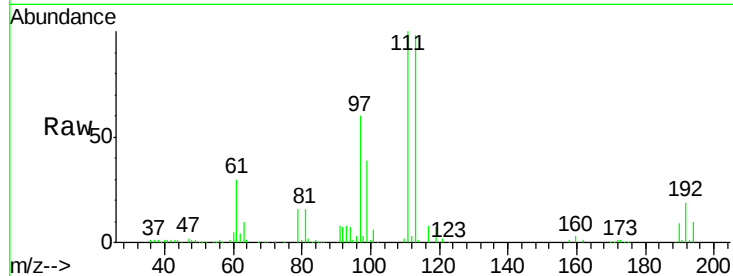
#35  
 Dibromofluoromethane  
 Concen: 51.883 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 102.6 | 82.9 | 124.3 |       |
| 192     | 19.6  | 15.6 | 23.4  |       |

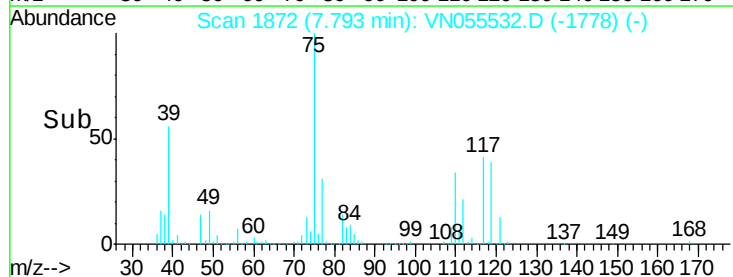
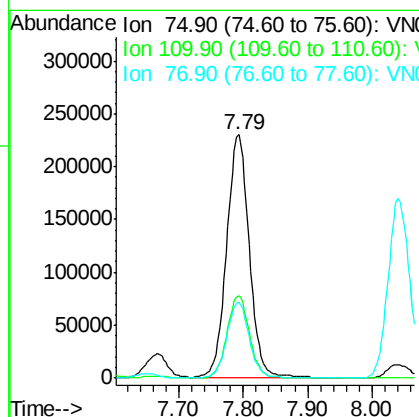
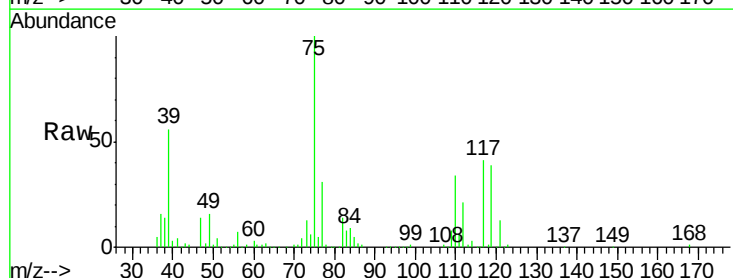
Manual Integrations  
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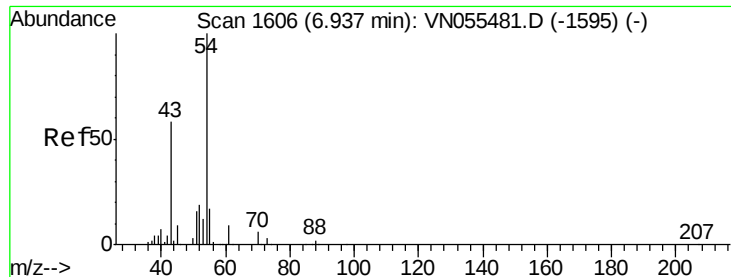
MMDadoda  
 5/10/2019 12:44:22 PM



#36  
 1,1-Dichloropropene  
 Concen: 50.271 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 33.5  | 16.1 | 48.3  |       |
| 77      | 31.0  | 24.6 | 37.0  |       |





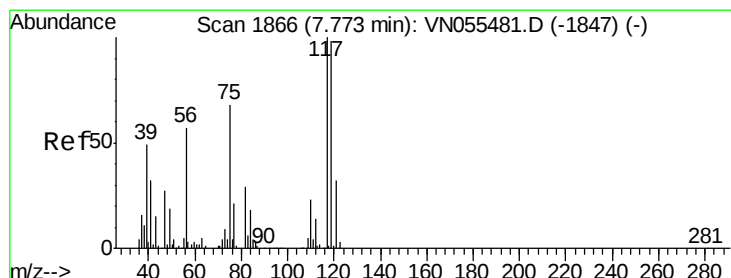
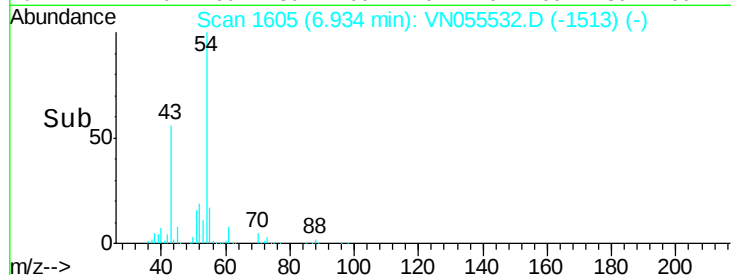
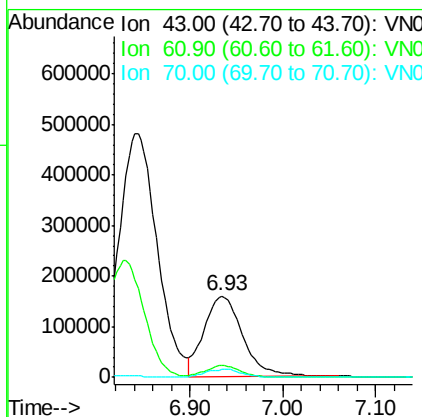
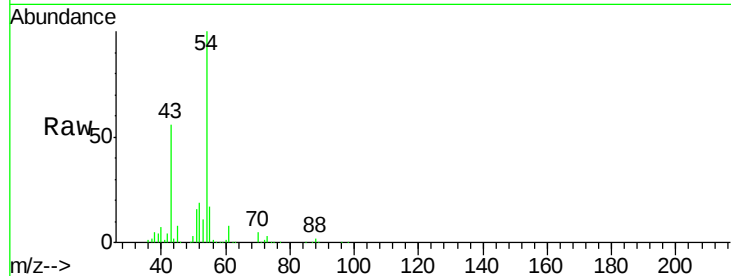
#37  
Ethyl Acetate  
Concen: 37.851 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. -0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 13.3  | 10.9 | 16.3  |       |
| 70      | 9.5   | 7.0  | 10.6  |       |

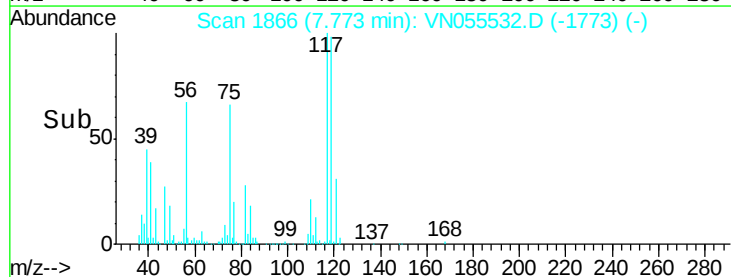
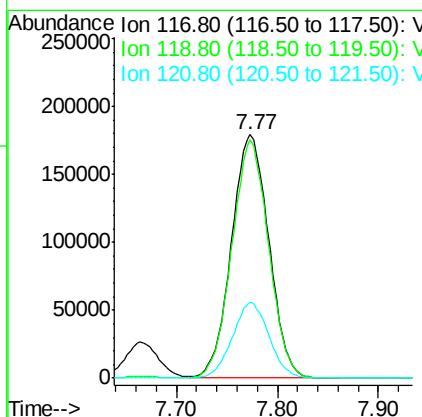
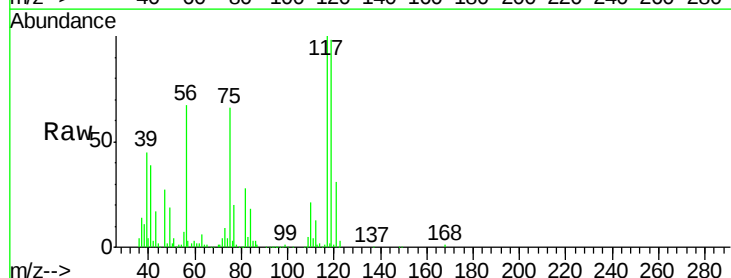
Manual Integrations  
APPROVED

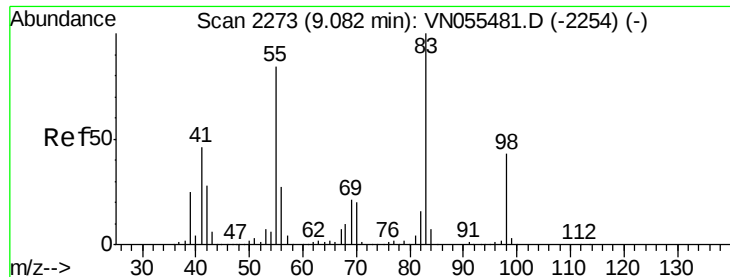
MMDadoda  
5/10/2019 12:44:22 PM



#38  
Carbon Tetrachloride  
Concen: 48.727 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.9  | 77.8 | 116.6 |       |
| 121     | 31.1  | 25.2 | 37.8  |       |





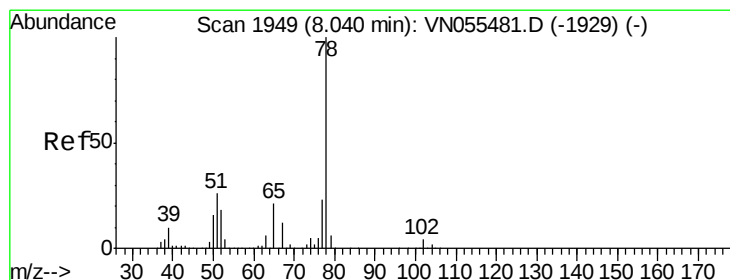
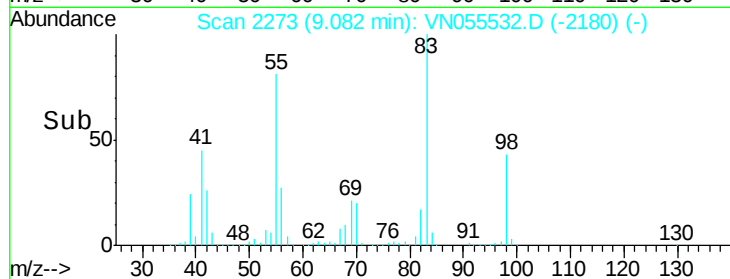
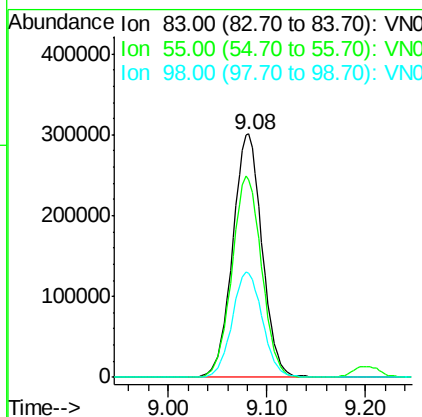
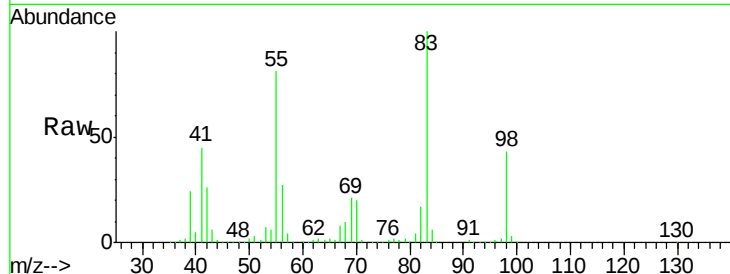
#39  
Methvlcvclohexane  
Concen: 45.675 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.3  | 67.0  | 100.4 |
| 98      | 42.8  | 34.2  | 51.4  |

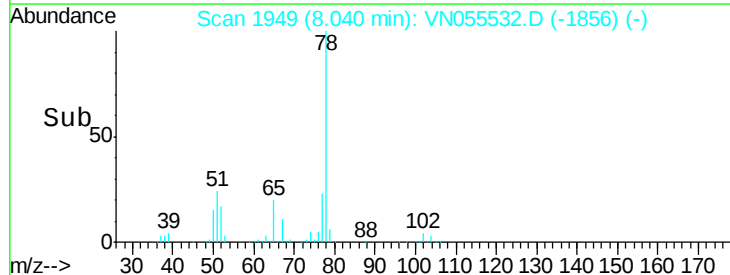
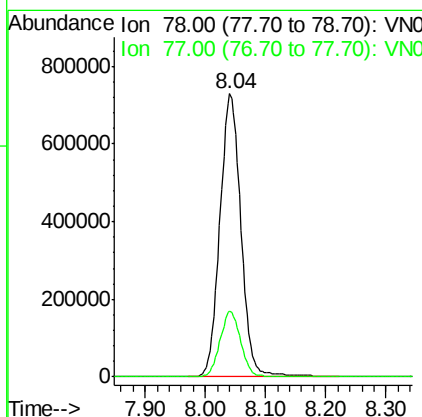
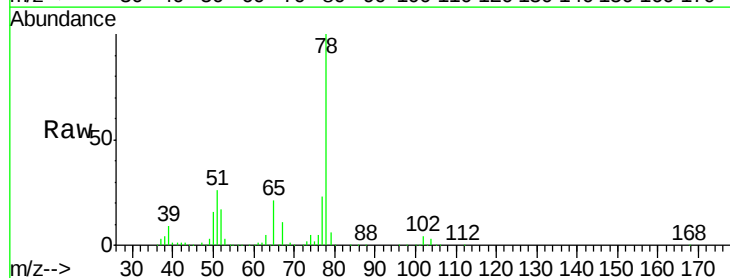
Manual Integrations  
APPROVED

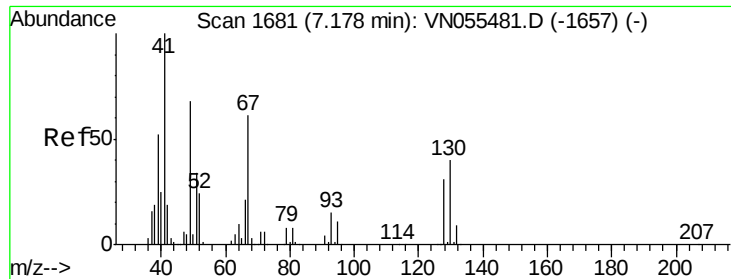
MMDadoda  
5/10/2019 12:44:22 PM



#40  
Benzene  
Concen: 50.481 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 18.6  | 27.8  |





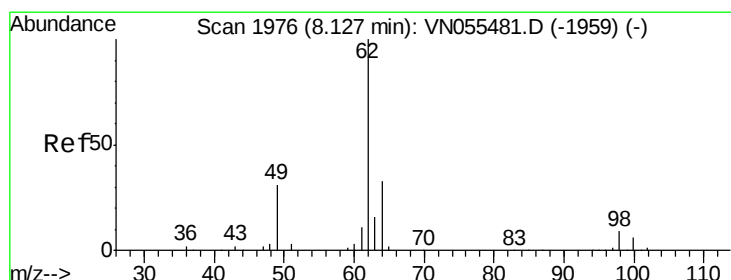
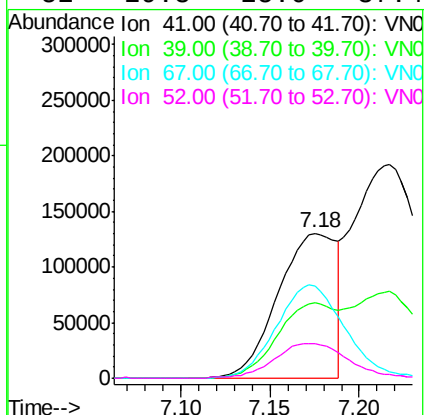
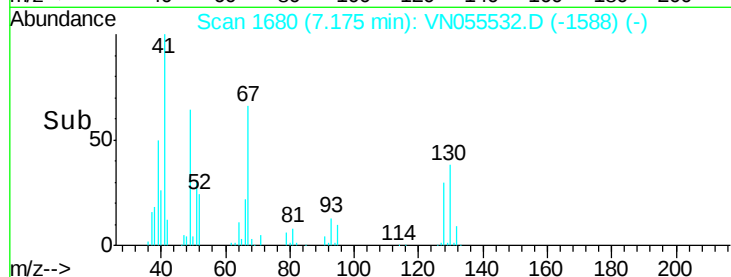
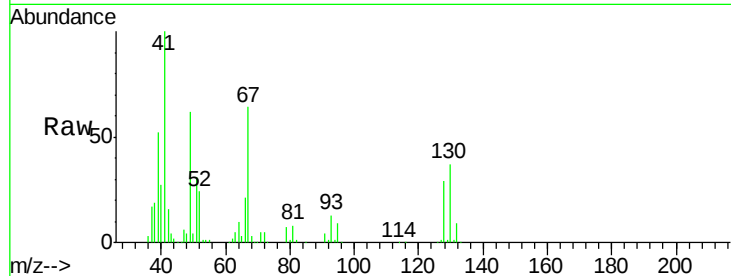
#41  
Methacrylonitrile  
Concen: 52.123 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 295623 |       |       |
| 39      | 51.5 | 44.7  | 67.1   |       |       |
| 67      | 76.3 | 61.4  | 92.0   |       |       |
| 52      | 29.8 | 25.0  | 37.4   |       |       |

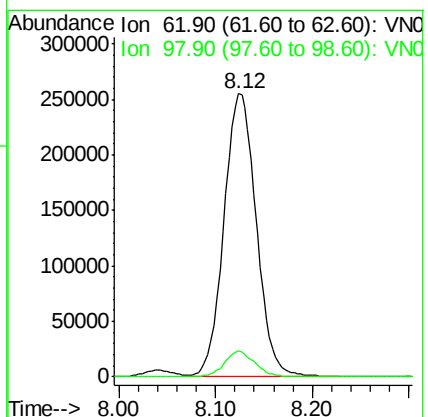
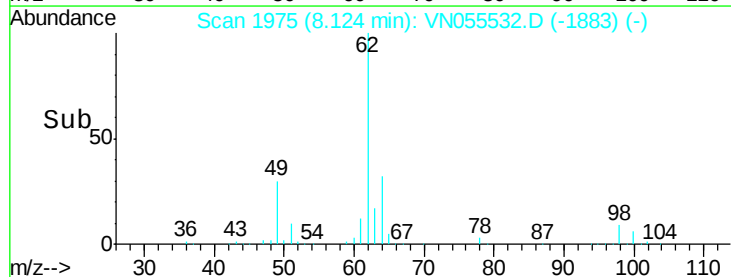
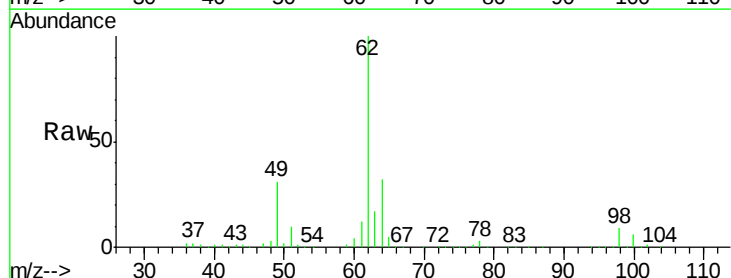
Manual Integrations  
APPROVED

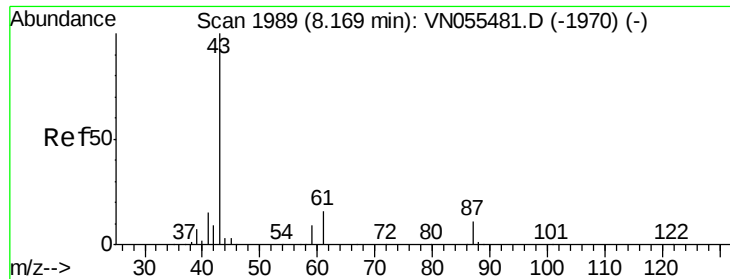
MMDadoda  
5/10/2019 12:44:22 PM



#42  
1,2-Dichloroethane  
Concen: 48.314 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 590143 |       |       |
| 98      | 8.6 | 0.0   | 17.4   |       |       |





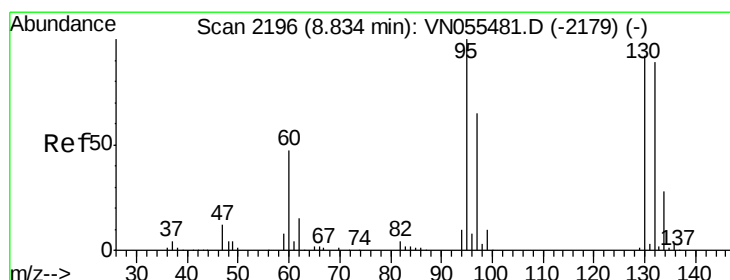
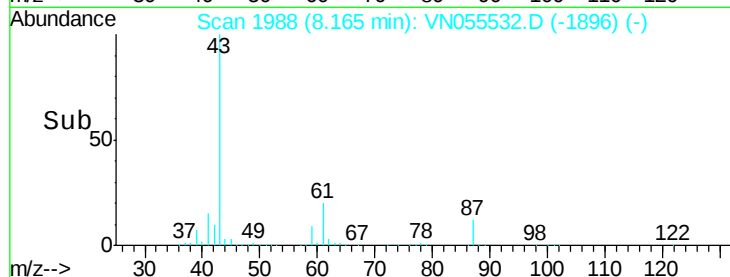
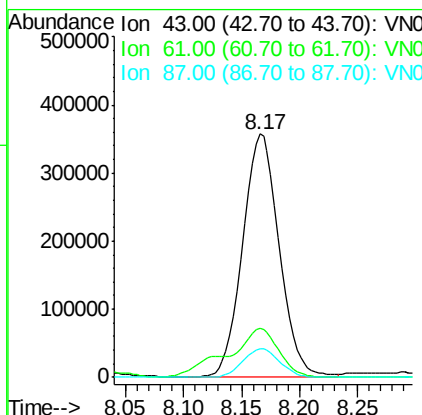
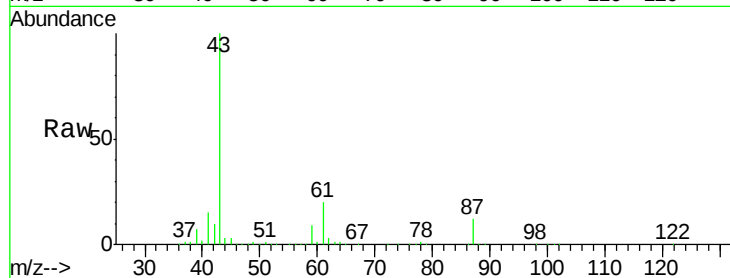
#43  
Isopropyl Acetate  
Concen: 41.988 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.0  | 15.1  | 22.7# |
| 87      | 12.0  | 9.0   | 13.6  |

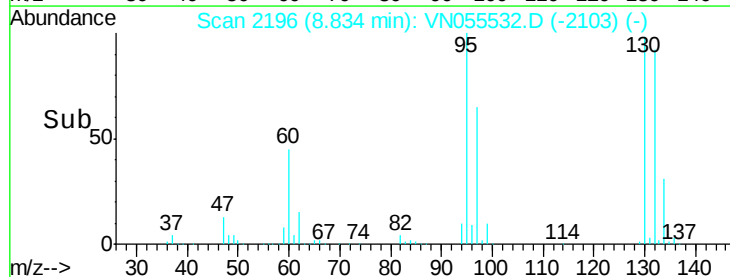
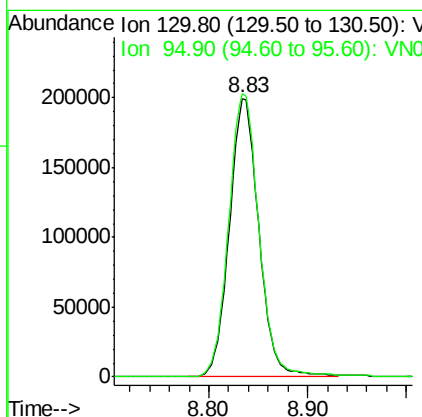
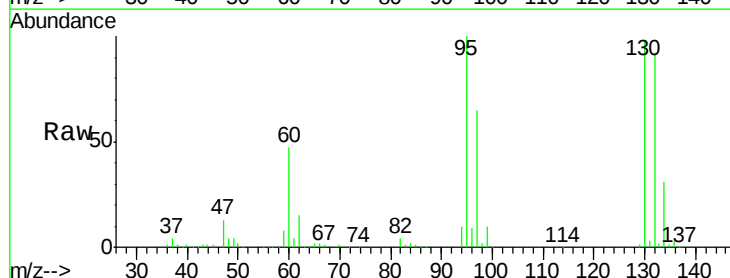
Manual Integrations  
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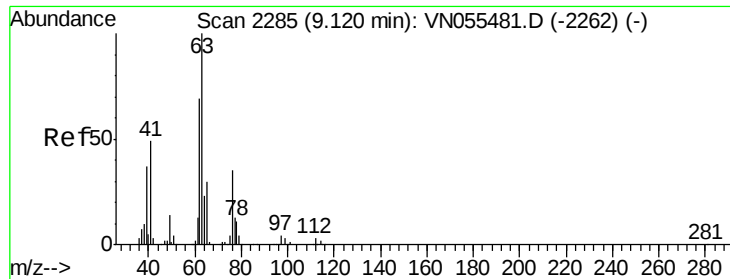
MMDadoda  
5/10/2019 12:44:22 PM



#44  
Trichloroethene  
Concen: 50.239 ug/l  
RT: 8.83 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.5 | 0.0   | 216.8 |





#45

1,2-Dichloropropane

Concen: 48.979 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampled :

CKMW-21MS

Tot Ion: 63 Resp: 487236

Ion Ratio Lower Upper

63 100

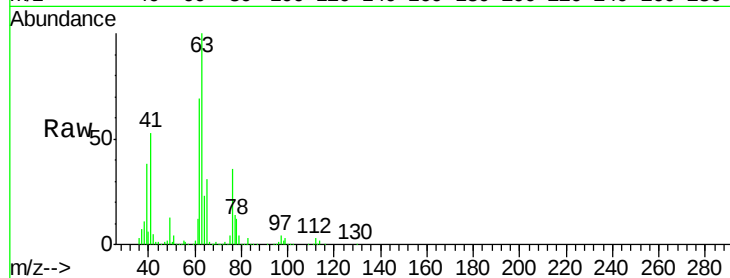
65 30.7 24.1 36.1

Manual Integrations

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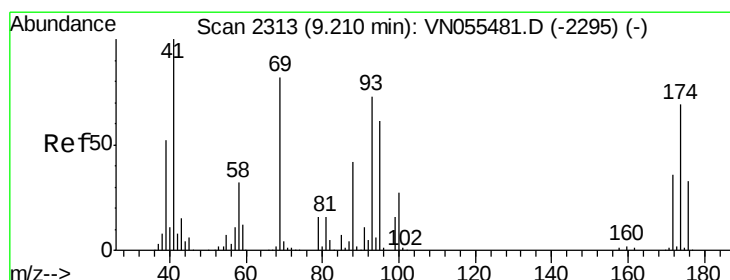
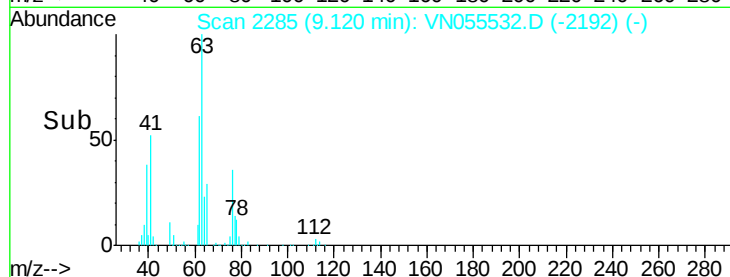
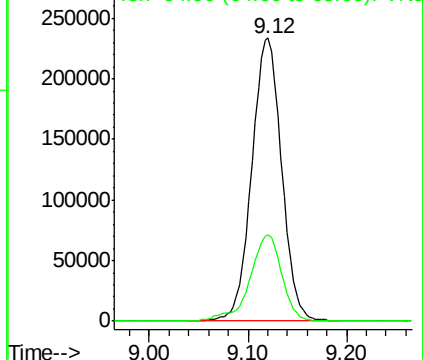
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.501 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

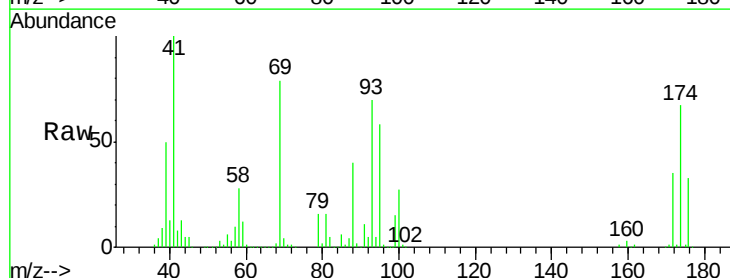
Tgt Ion: 93 Resp: 285425

Ion Ratio Lower Upper

93 100

95 83.4 64.8 97.2

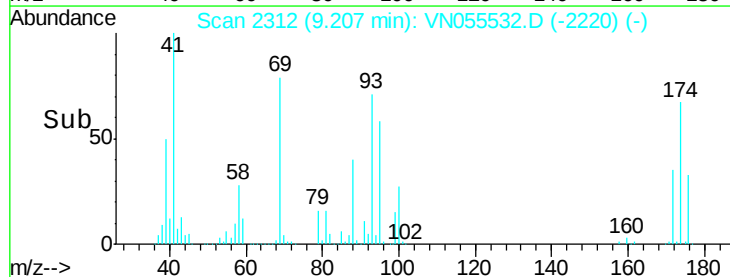
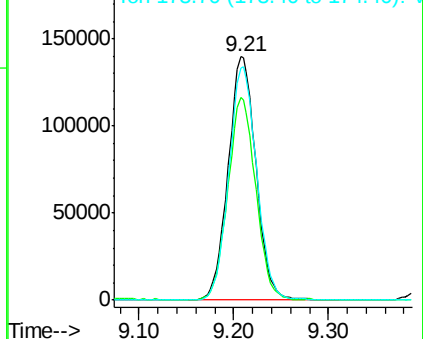
174 96.0 75.0 112.6

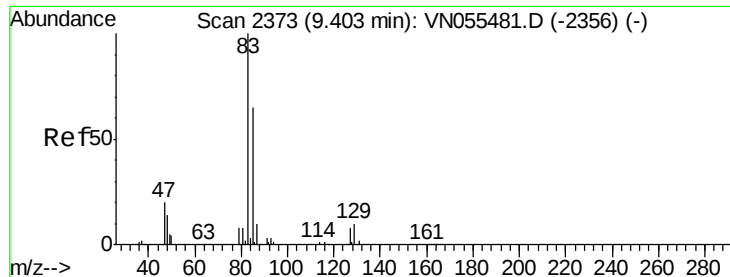


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.729 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

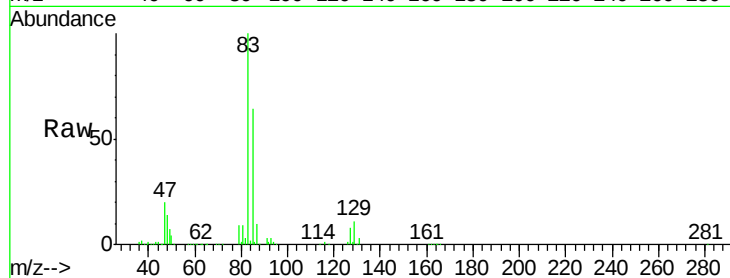
ClientSampleId :

CKMW-21MS

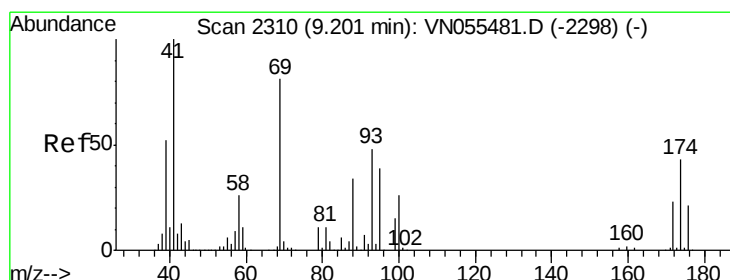
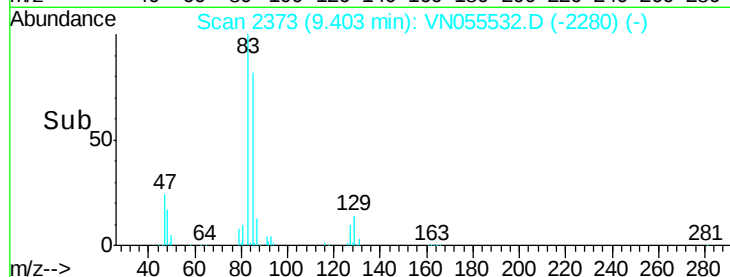
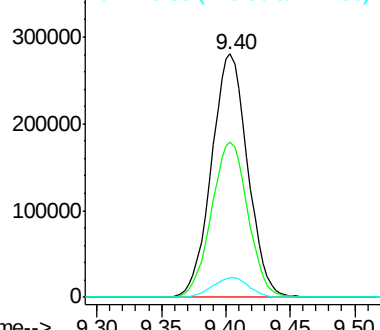
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 548561 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.9  | 52.2  | 78.2   |
| 127       | 8.0   | 6.5   | 9.7    |

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Abundance Ion 82.90 (82.60 to 83.60): VNC  
Ion 84.90 (84.60 to 85.60): VNC  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.611 ug/l

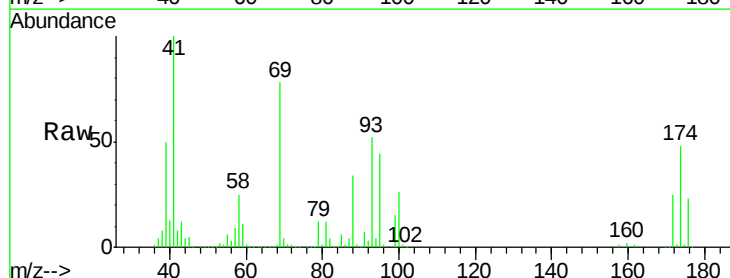
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

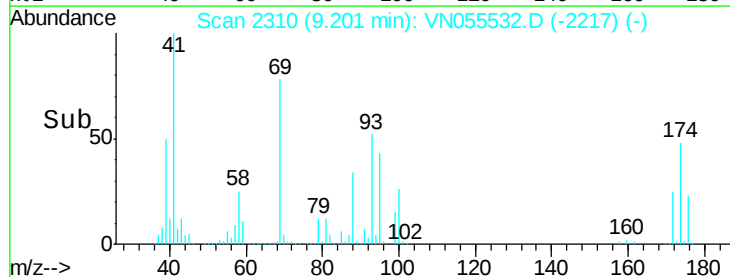
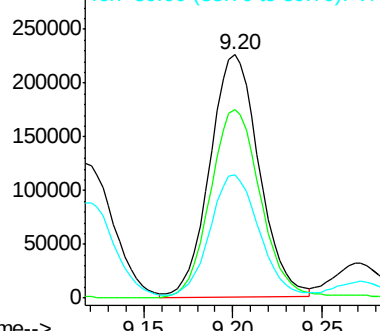
Lab File: VN055532.D

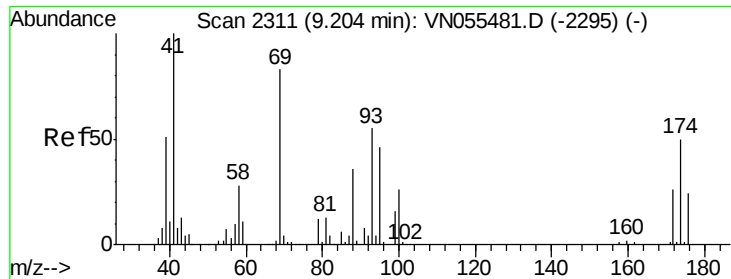
Acq: 10 May 2019 6:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 434811 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 81.2  | 64.2  | 96.2   |
| 39        | 50.9  | 41.6  | 62.4   |



Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC





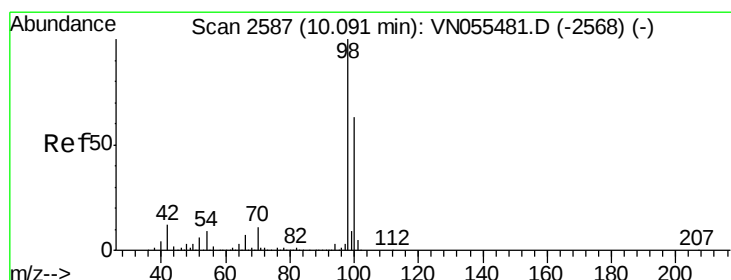
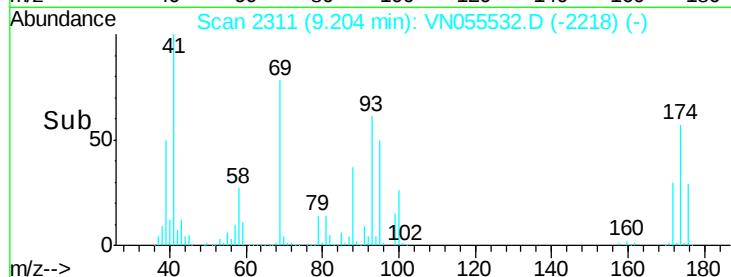
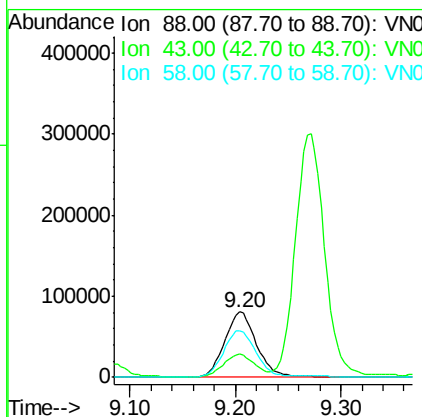
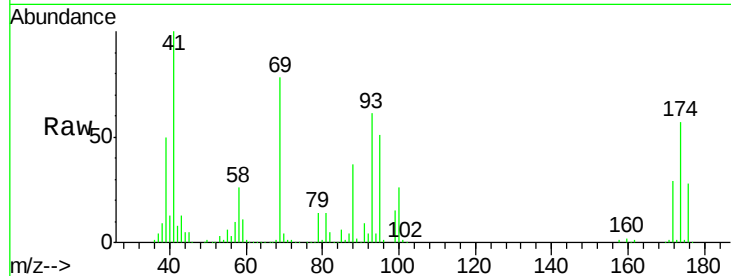
#49  
1,4-Dioxane  
Concen: 973.791 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 88      | 100   | 169766 |       |       |
| 43      | 32.9  | 27.8   | 41.8  |       |
| 58      | 76.5  | 61.8   | 92.6  |       |

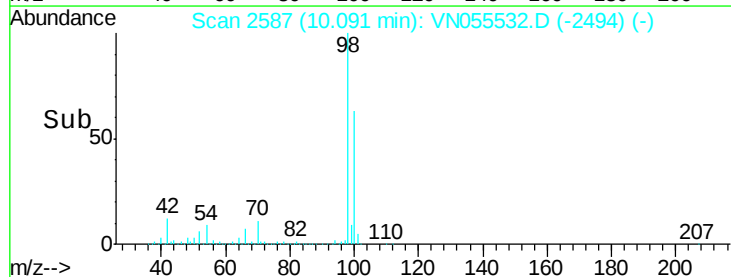
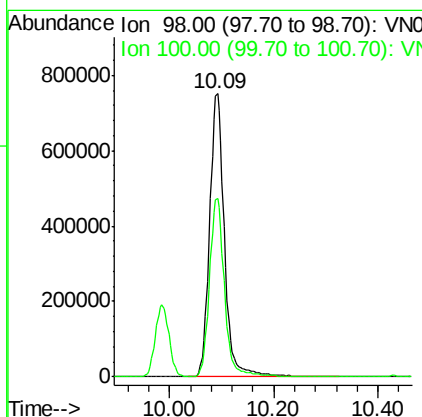
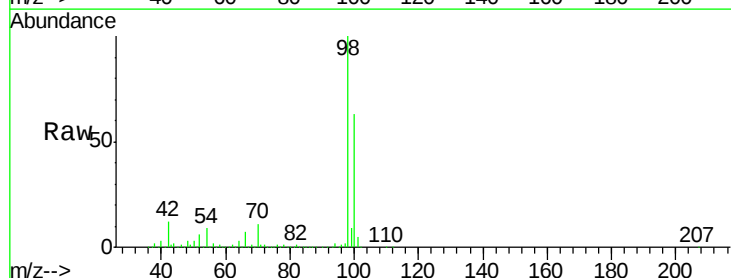
Manual Integrations  
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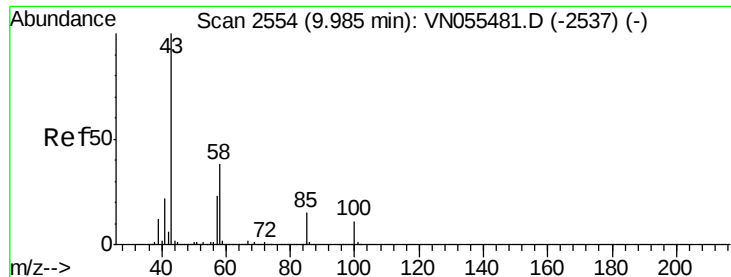
MMDadoda  
5/10/2019 12:44:22 PM



#50  
Toluene-d8  
Concen: 52.115 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 98      | 100   | 1489677 |       |       |
| 100     | 63.0  | 50.4    | 75.6  |       |





#51

4-Methyl-2-Pentanone

Concen: 230.601 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion: 43 Resp: 2815609

Ion Ratio Lower Upper

43 100

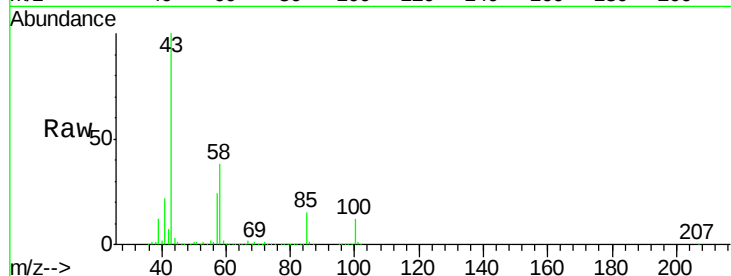
58 37.9 29.9 44.9

Manual Integrations

APPROVED

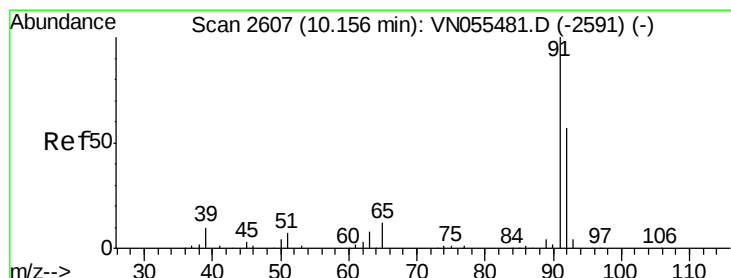
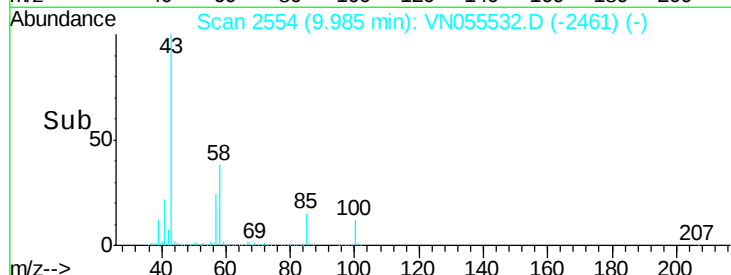
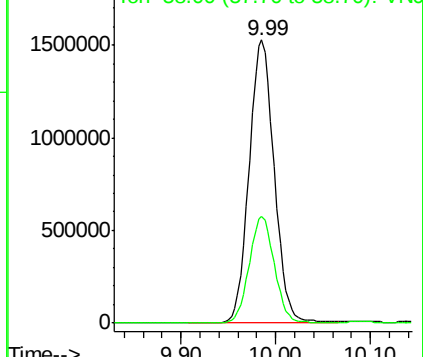
MMDadoda

5/10/2019 12:44:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.889 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055532.D

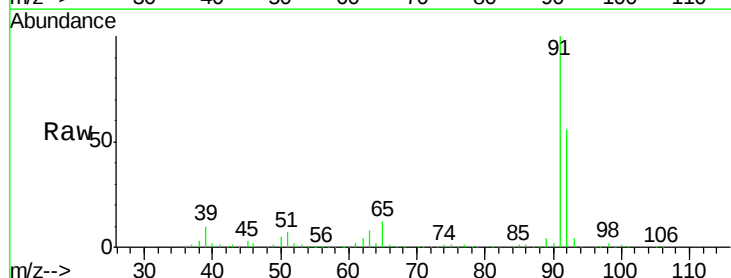
Acq: 10 May 2019 6:39

Tgt Ion: 92 Resp: 1011477

Ion Ratio Lower Upper

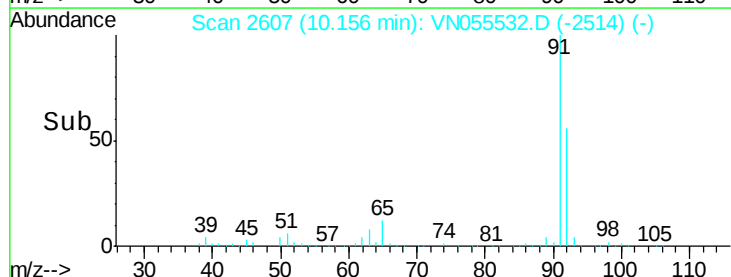
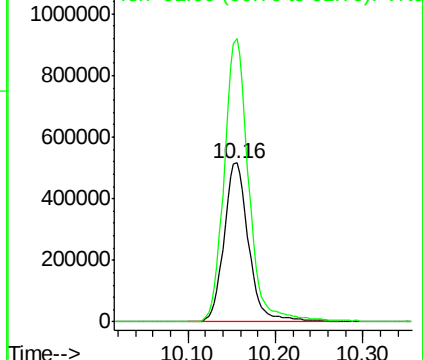
92 100

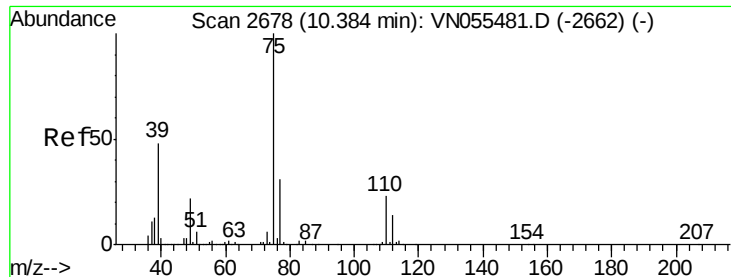
91 177.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





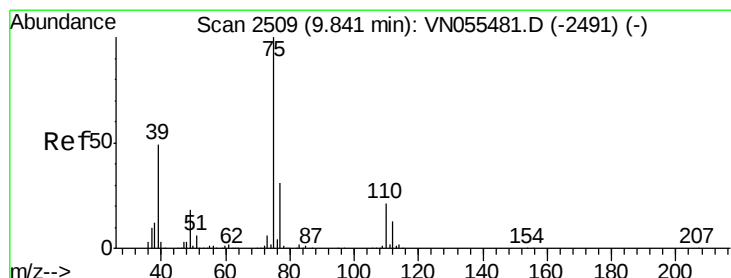
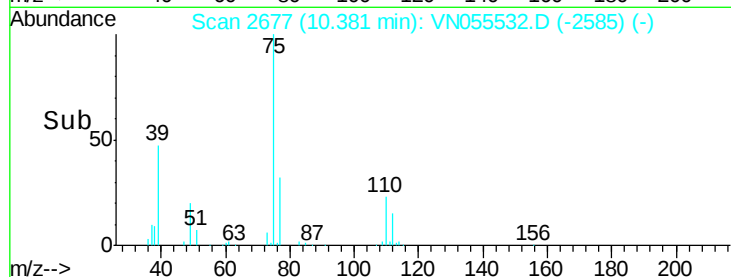
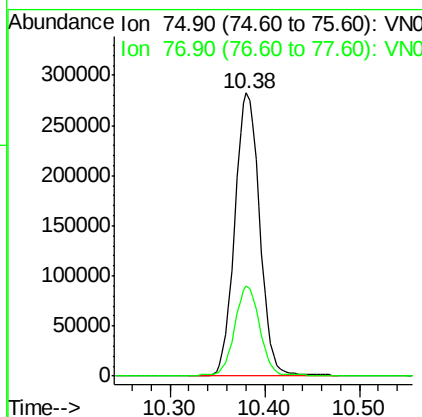
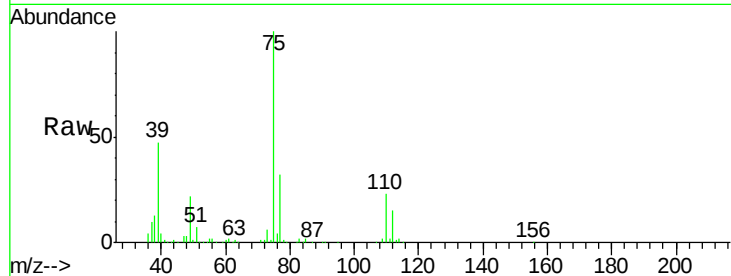
#53  
 t-1,3-Dichloropropene  
 Concen: 48.801 ug/l  
 RT: 10.38 min Scan# 2677  
 Delta R.T. -0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

Tot Ion: 75 Resp: 517020  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.1 37.7

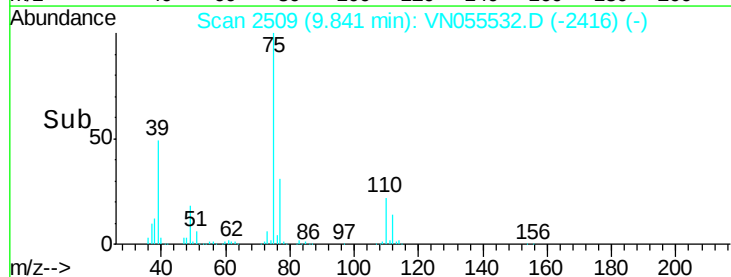
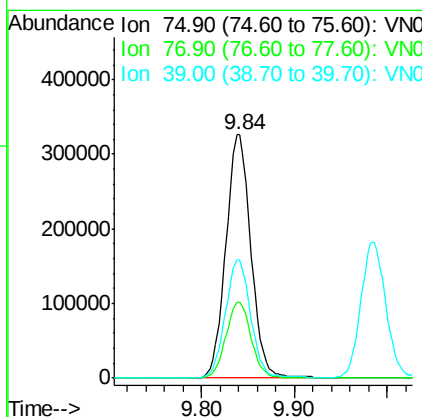
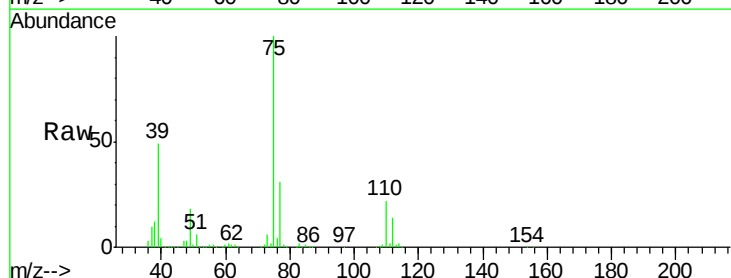
Manual Integrations  
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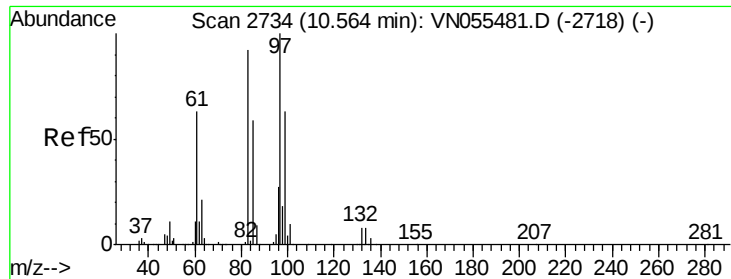
MMDadoda  
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#54  
 cis-1,3-Dichloropropene  
 Concen: 48.307 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Tgt Ion: 75 Resp: 611548  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 24.4 36.6  
 39 48.6 39.5 59.3





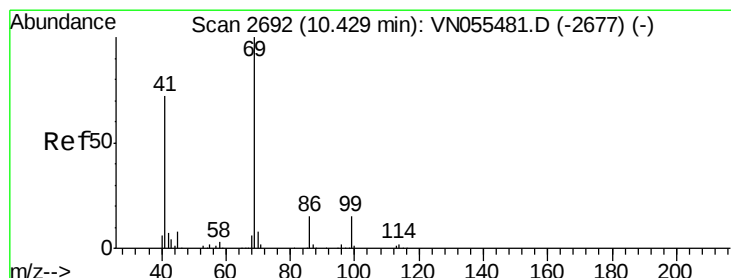
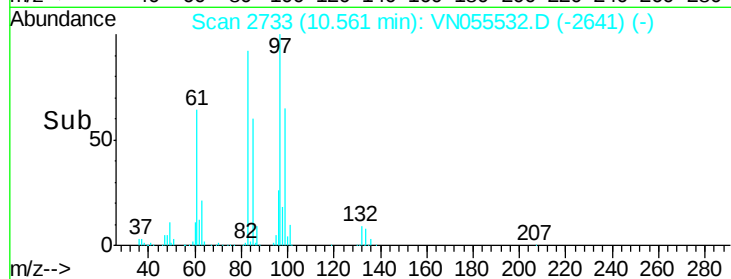
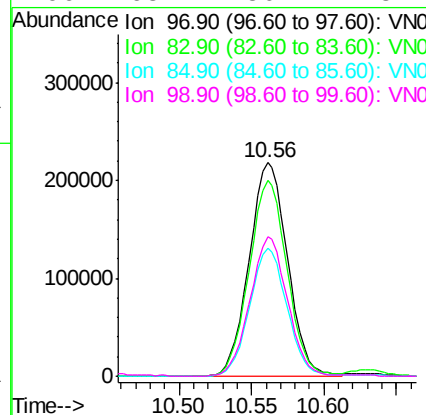
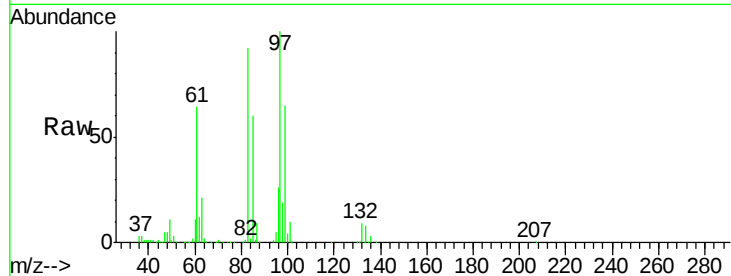
#55  
 1,1,2-Trichloroethane  
 Concen: 49.860 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 401535 |       |       |
| 83      | 91.5  | 73.2   | 109.8 |       |
| 85      | 60.0  | 47.5   | 71.3  |       |
| 99      | 65.1  | 50.2   | 75.2  |       |

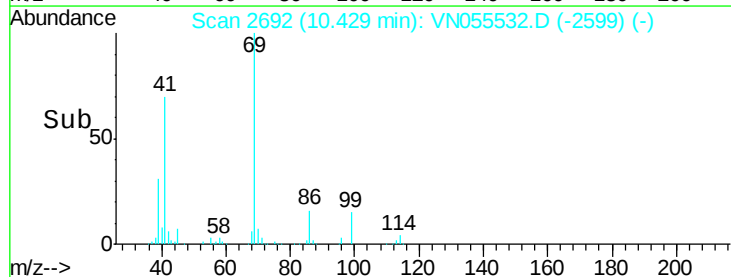
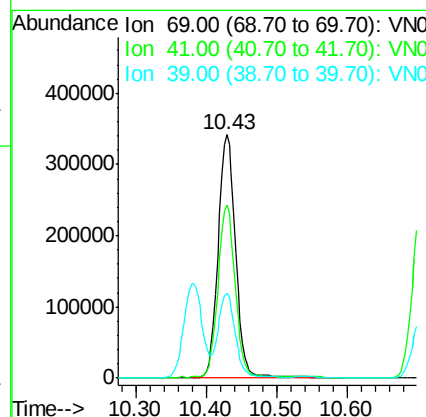
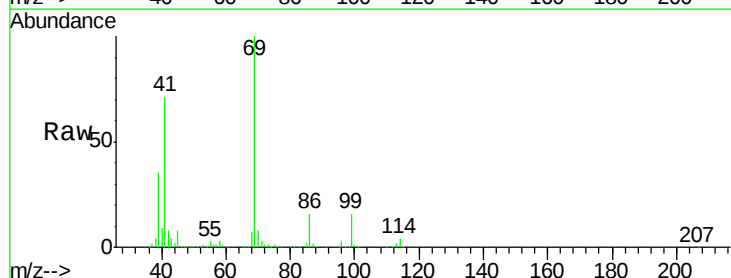
Manual Integrations  
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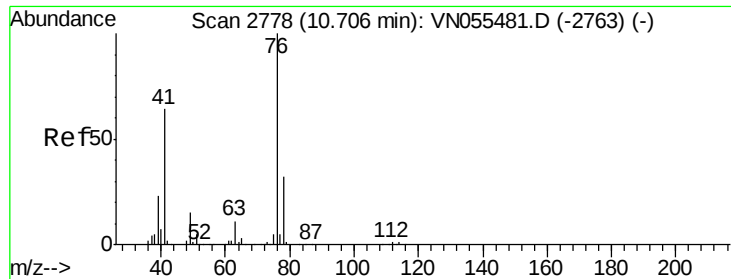
MMDadoda  
 5/10/2019 12:44:22 PM



#56  
 Ethyl methacrylate  
 Concen: 49.217 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 589553 |       |       |
| 41      | 68.4  | 56.2   | 84.2  |       |
| 39      | 33.7  | 27.8   | 41.6  |       |





#57

1,3-Dichloropropane

Concen: 50.409 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion: 76 Resp: 720708

Ion Ratio Lower Upper

76 100

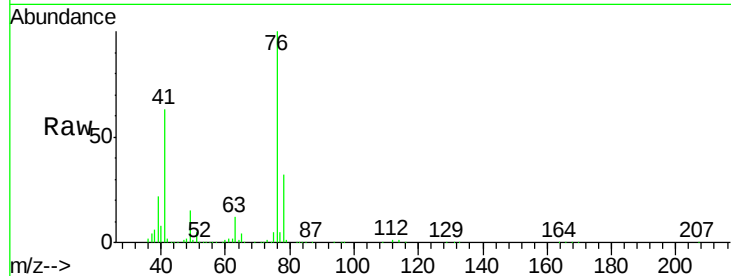
78 31.9 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

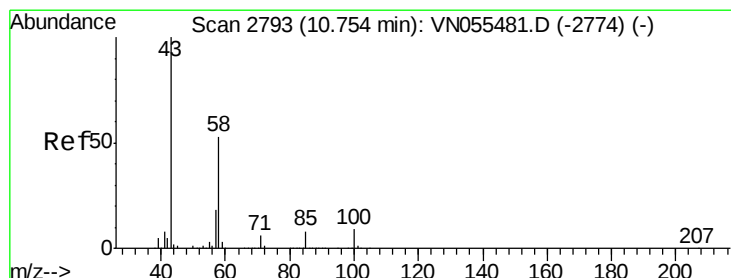
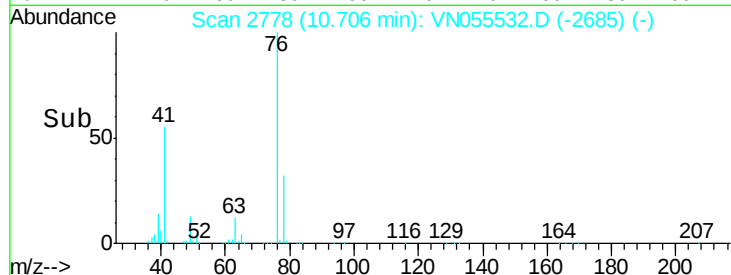
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: 224.863 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN055532.D

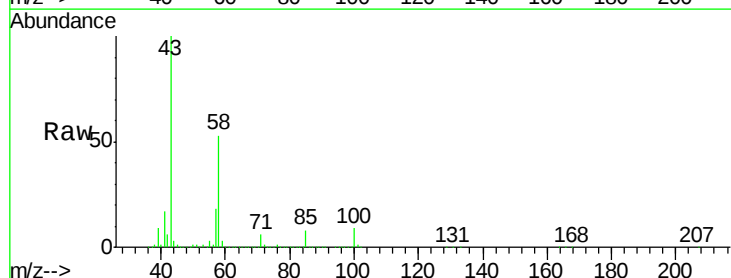
Acq: 10 May 2019 6:39

Tgt Ion: 43 Resp: 1925452

Ion Ratio Lower Upper

43 100

58 52.8 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

1200000

1000000

800000

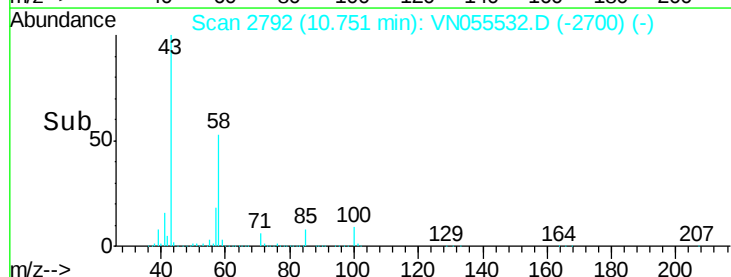
600000

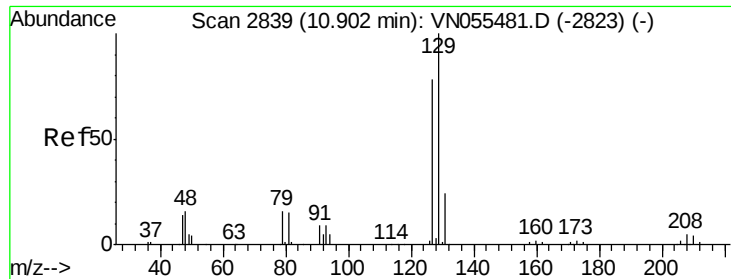
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 52.500 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion:129 Resp: 384402

Ion Ratio Lower Upper

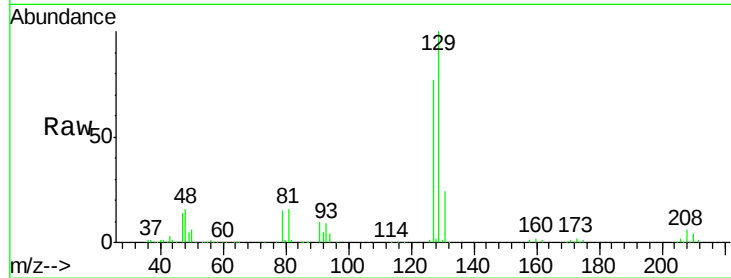
129 100

127 77.5 38.6 116.0

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

250000

200000

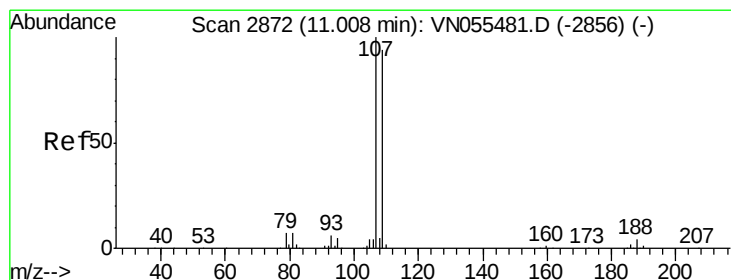
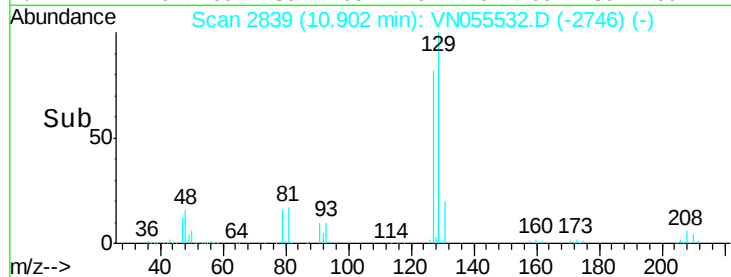
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 50.849 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055532.D

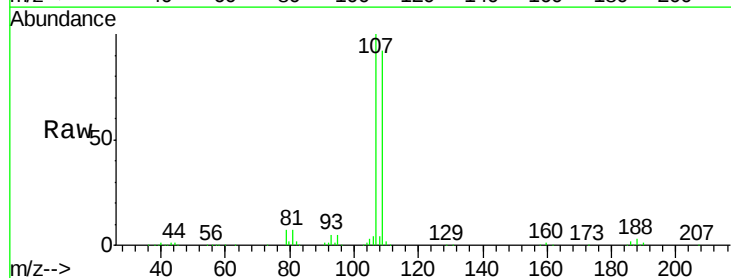
Acq: 10 May 2019 6:39

Tgt Ion:107 Resp: 393447

Ion Ratio Lower Upper

107 100

109 93.4 74.2 111.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

250000

200000

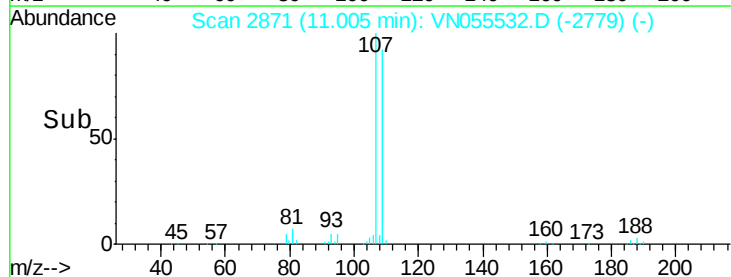
150000

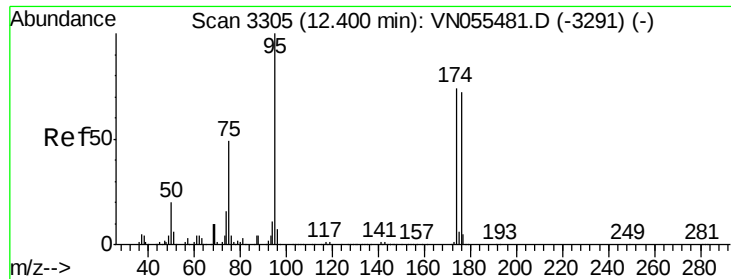
100000

50000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 52.206 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

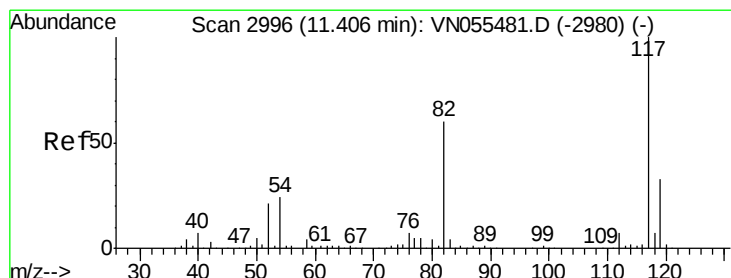
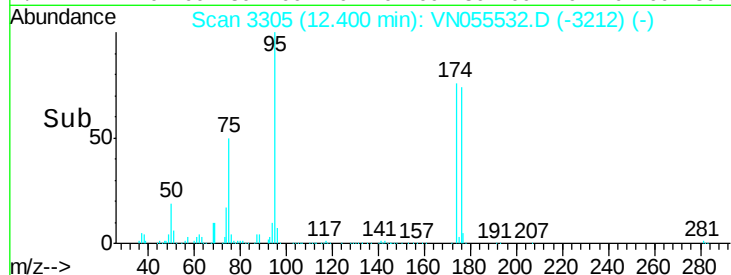
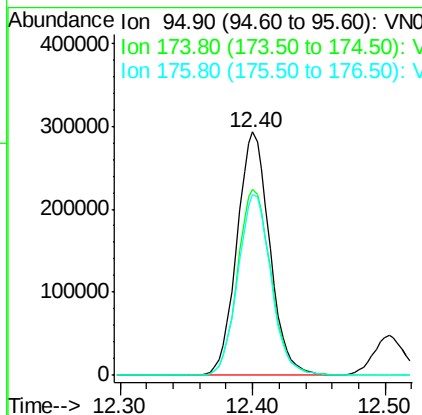
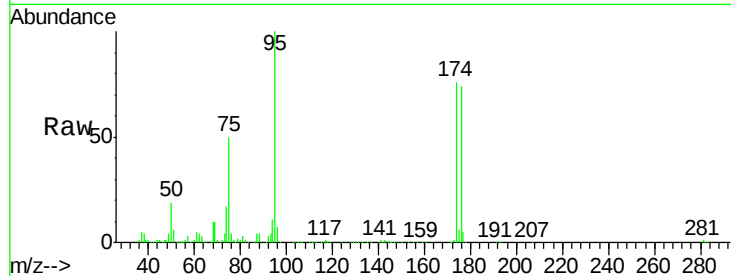
ClientSampleId :

CKMW-21MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 503171 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 77.7  | 0.0   | 152.2  |
| 176       | 75.0  | 0.0   | 147.8  |

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

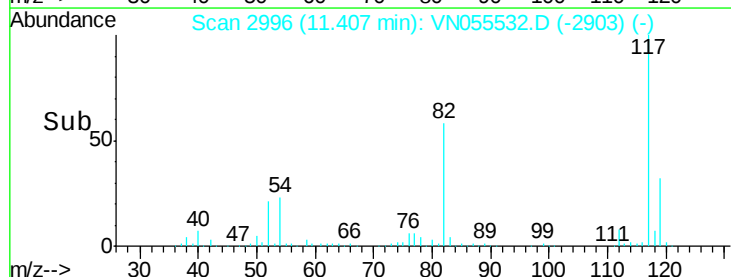
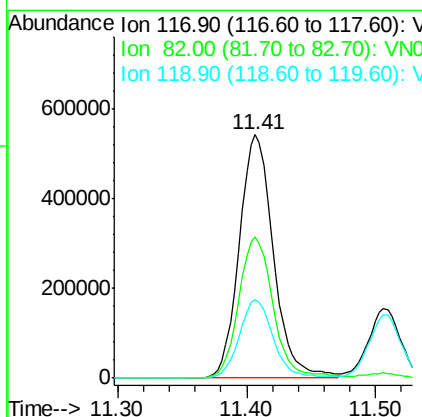
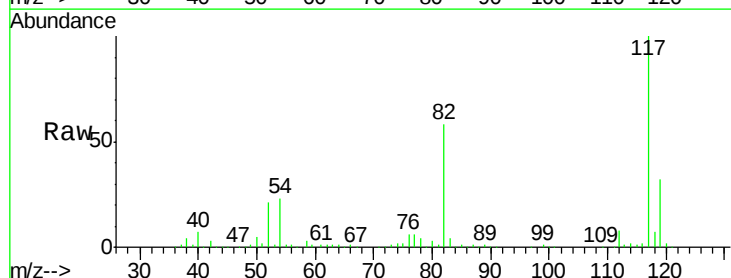
RT: 11.41 min Scan# 2996

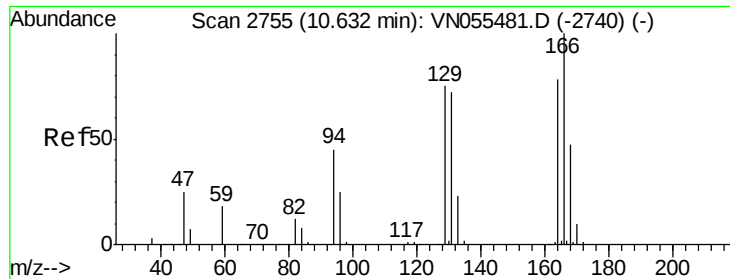
Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 117   | Resp: | 1001087 |
| Ion Ratio | Lower | Upper |         |
| 117       | 100   |       |         |
| 82        | 57.8  | 48.0  | 72.0    |
| 119       | 32.4  | 26.0  | 39.0    |





#64

Tetrachloroethene

Concen: 48.376 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion:164 Resp: 396823

Ion Ratio Lower Upper

164 100

166 127.8 102.6 153.8

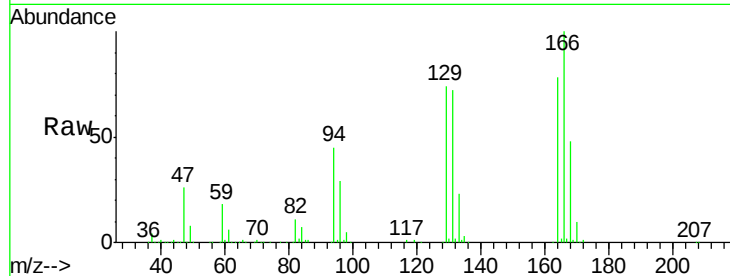
129 94.9 77.0 115.6

131 91.8 73.7 110.5

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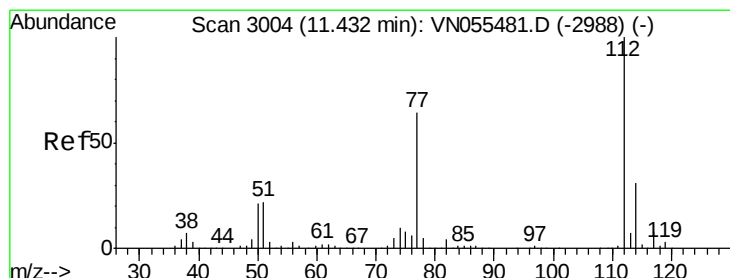
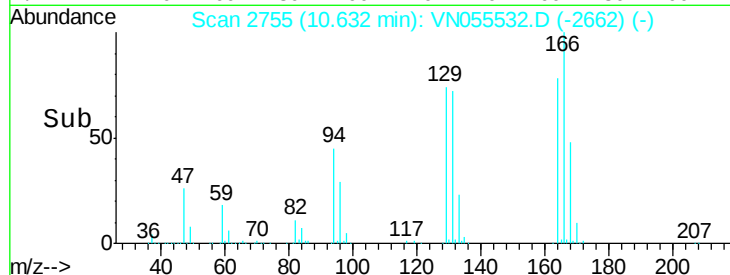
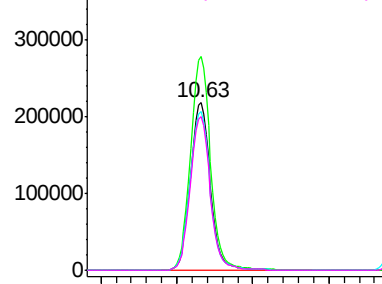


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.249 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055532.D

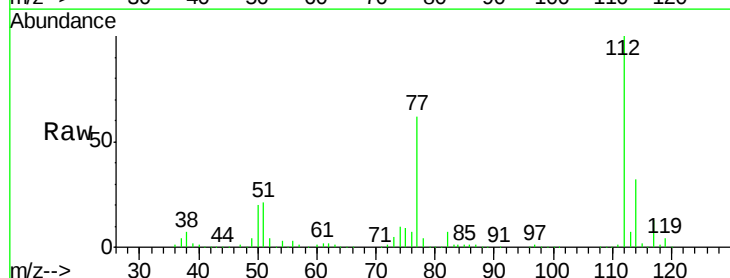
Acq: 10 May 2019 6:39

Tgt Ion:112 Resp: 1034930

Ion Ratio Lower Upper

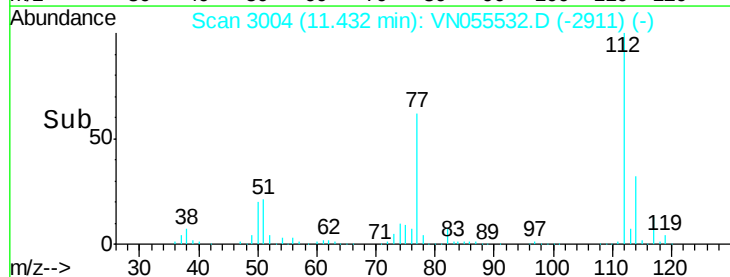
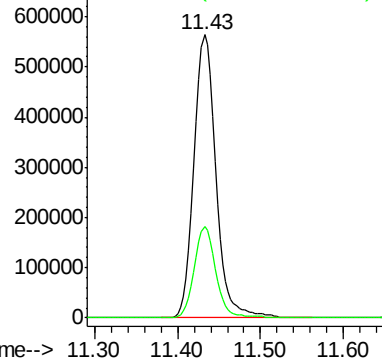
112 100

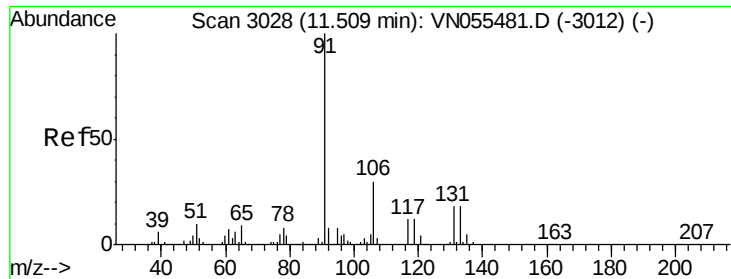
114 32.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





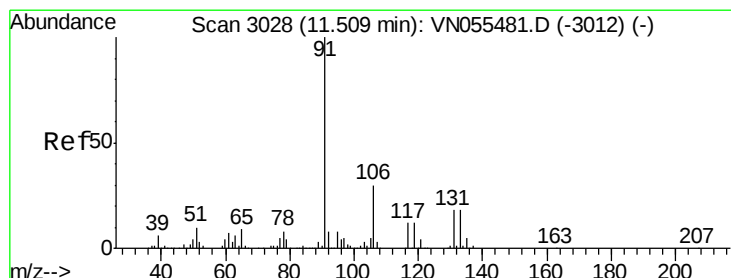
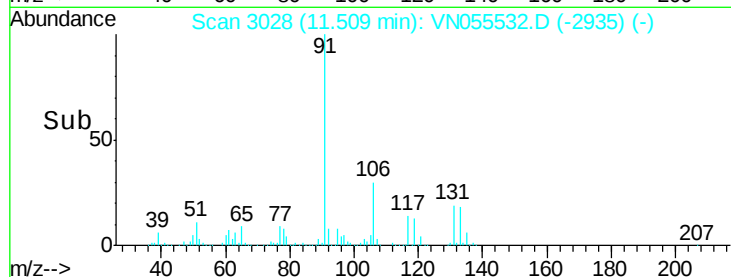
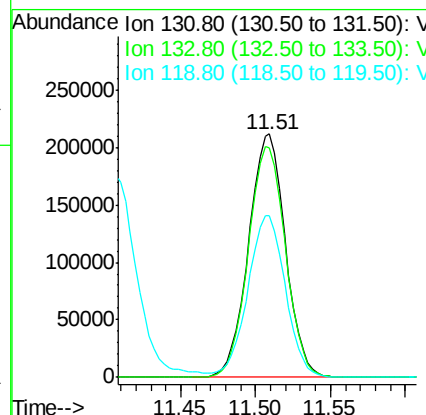
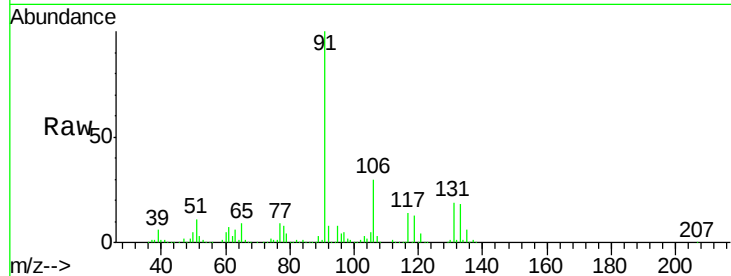
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 51.182 ug/l  
 RT: 11.51 min Scan# 3028  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 CKMW-21MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 362902 |       |       |
| 133     | 95.9  | 47.4   | 142.2 |       |
| 119     | 68.0  | 34.1   | 102.2 |       |

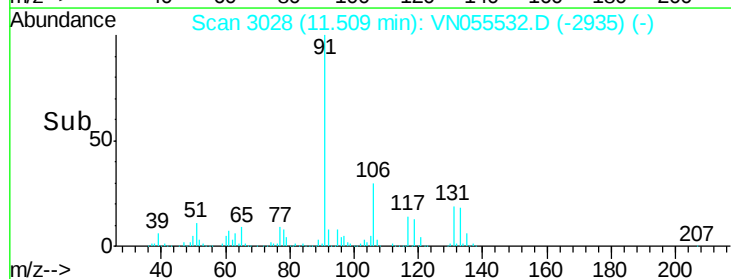
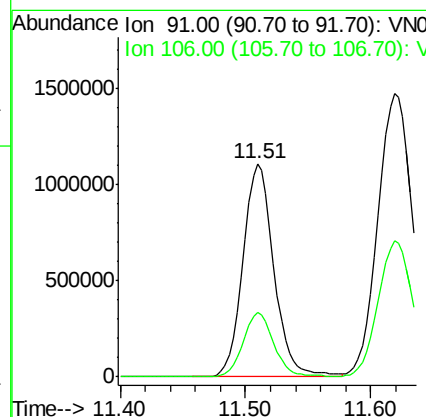
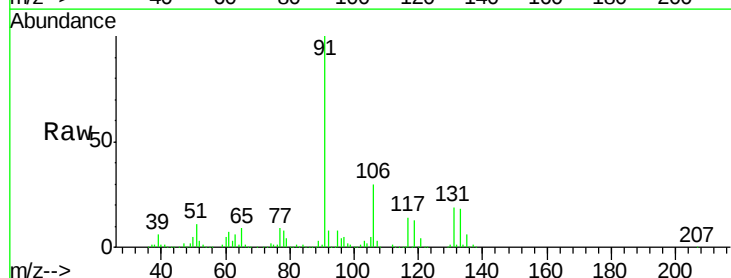
Manual Integrations  
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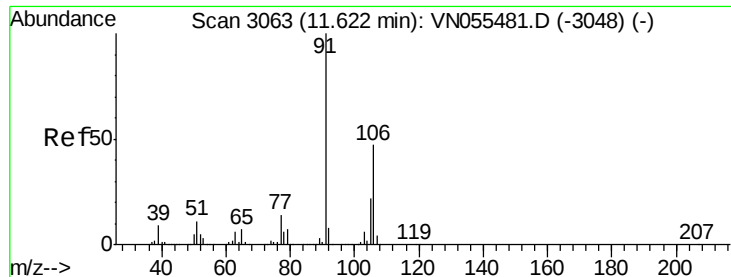
MMDadoda  
 5/10/2019 12:44:22 PM



#67  
 Ethyl Benzene  
 Concen: 49.153 ug/l  
 RT: 11.51 min Scan# 3028  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 91      | 100   | 1901359 |       |       |
| 106     | 30.1  | 23.8    | 35.6  |       |





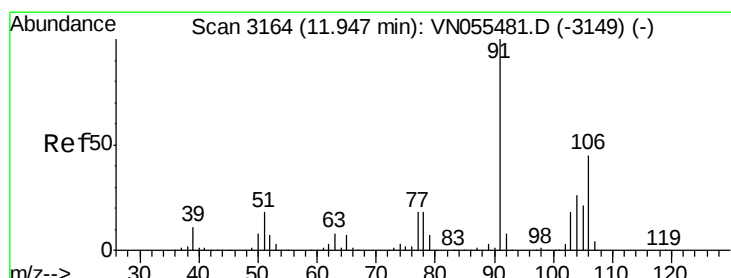
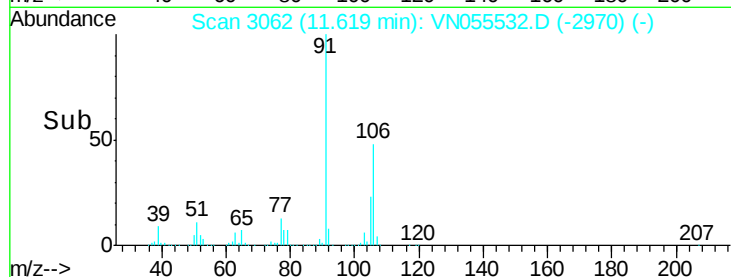
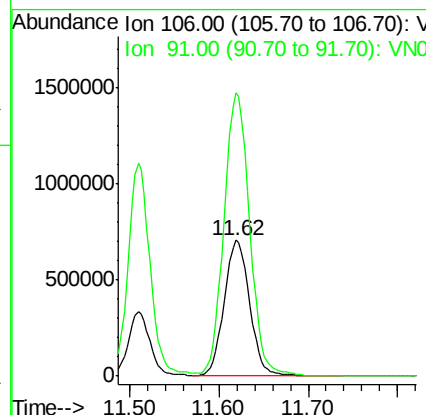
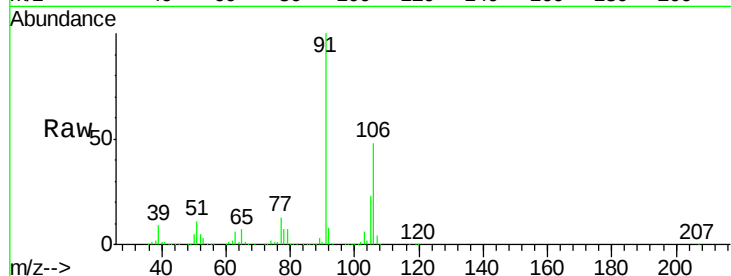
#68  
m/p-Xylenes  
Concen: 101.255 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

Tot Ion:106 Resp: 1405612  
Ion Ratio Lower Upper  
106 100  
91 209.5 169.2 253.8

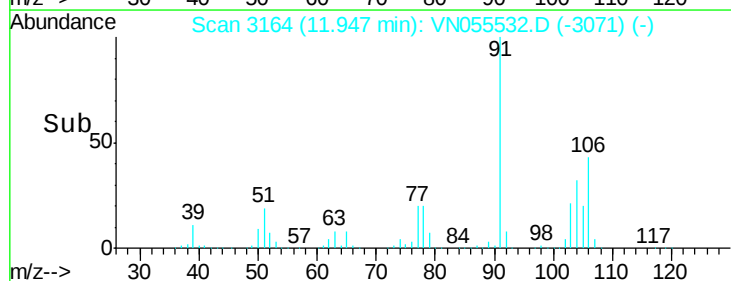
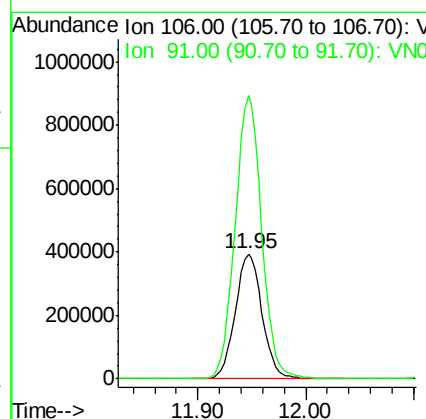
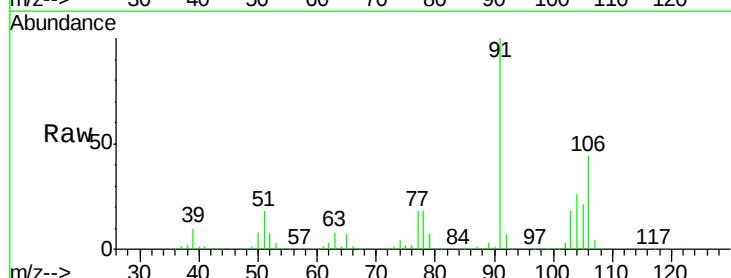
Manual Integrations  
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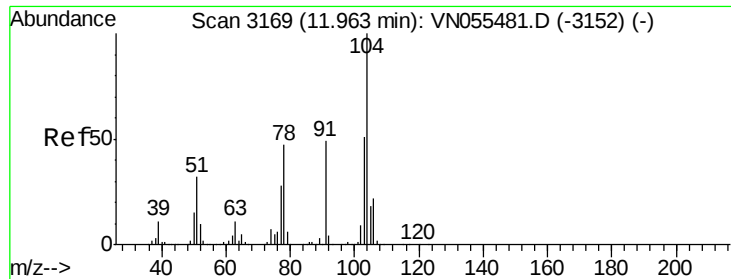
MMDadoda  
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#69  
o-Xylene  
Concen: 50.029 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Tgt Ion:106 Resp: 682612  
Ion Ratio Lower Upper  
106 100  
91 224.3 111.3 333.8





#70

Stvrene

Concen: 52.544 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion:104 Resp: 1148597

Ion Ratio Lower Upper

104 100

78 51.9 41.6 62.4

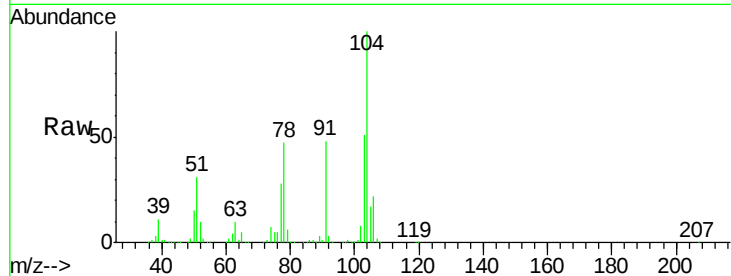
103 55.4 44.4 66.6

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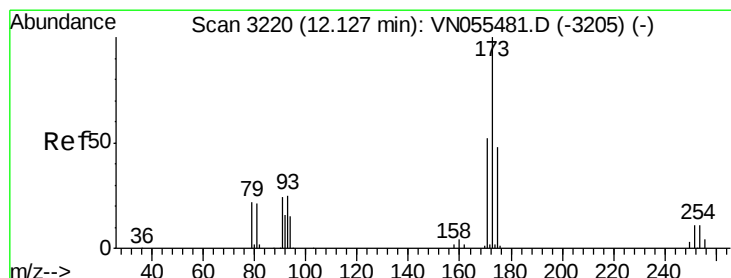
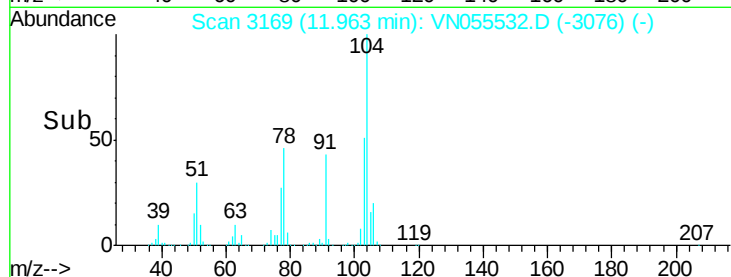
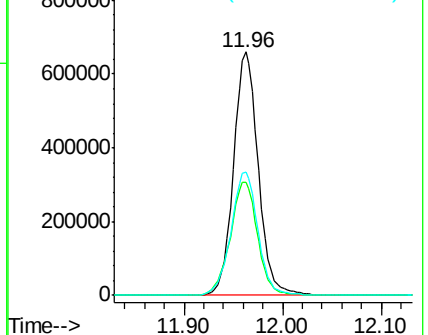
5/10/2019 12:44:22 PM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 52.513 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

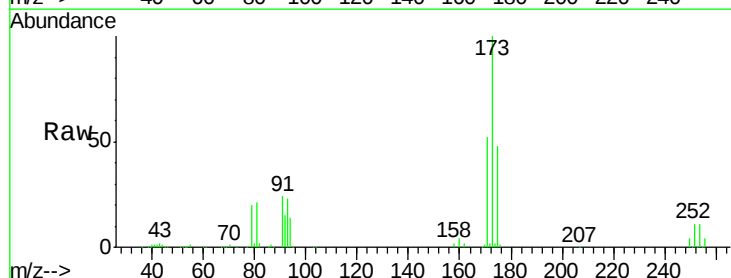
Tgt Ion:173 Resp: 251257

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

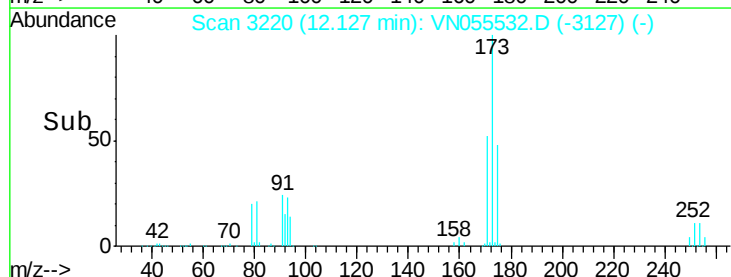
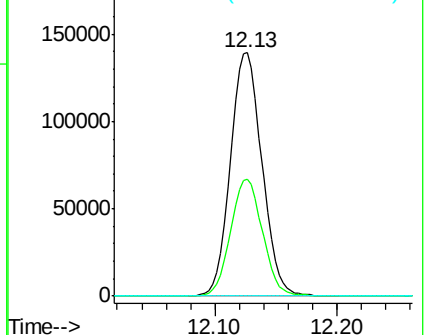
254 0.1 0.1 0.1

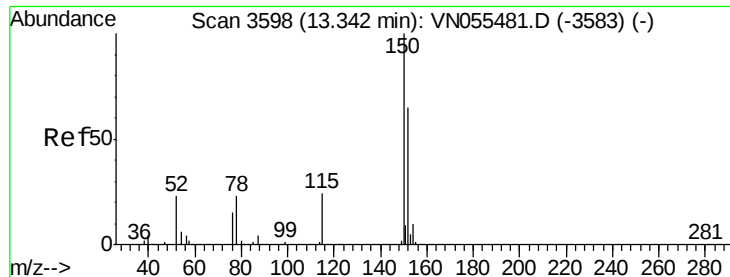


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampled :

CKMW-21MS

Tot Ion:152 Resp: 426797

Ion Ratio Lower Upper

152 100

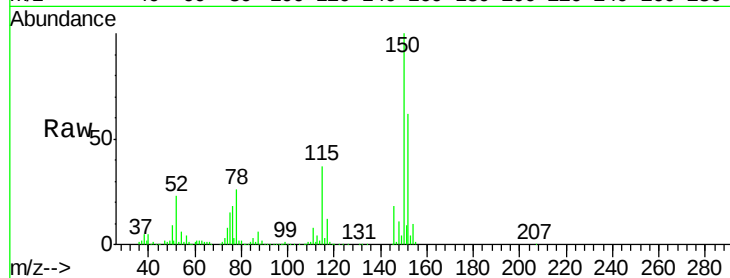
115 59.6 30.1 90.5

150 174.4 0.0 355.0

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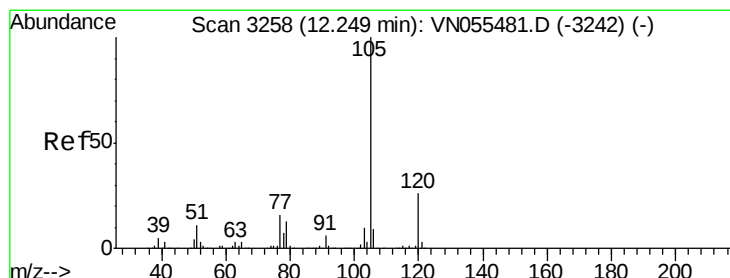
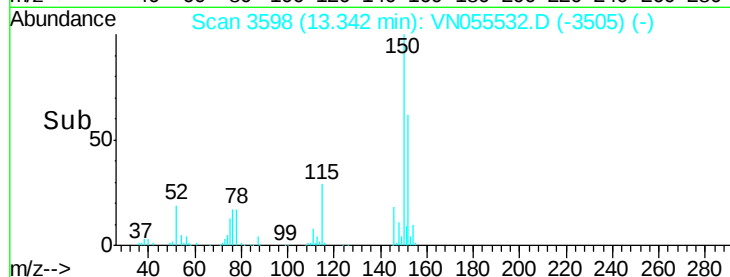
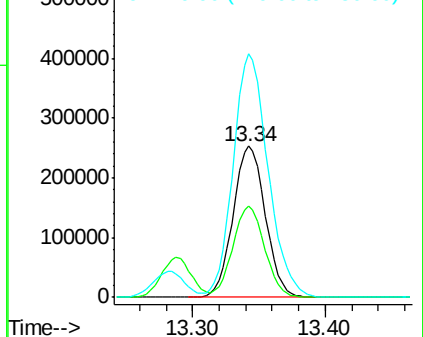
5/10/2019 12:44:22 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.343 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055532.D

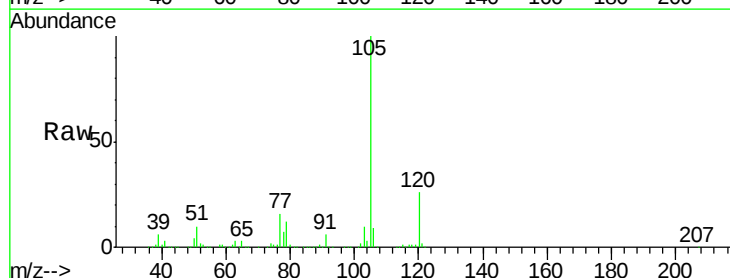
Acq: 10 May 2019 6:39

Tgt Ion:105 Resp: 1804501

Ion Ratio Lower Upper

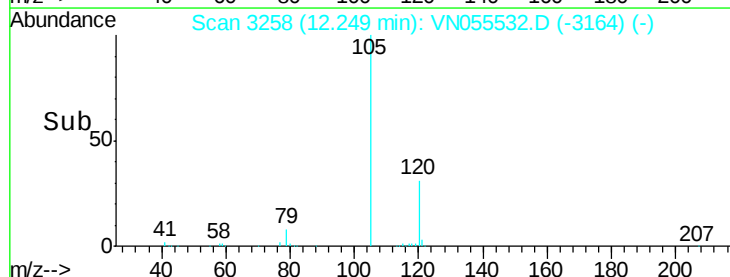
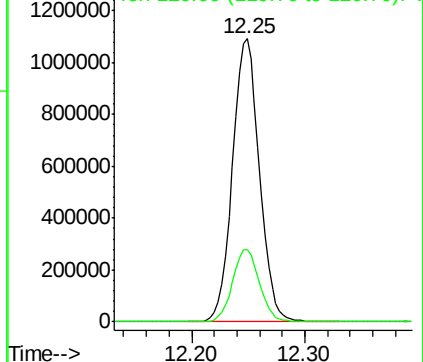
105 100

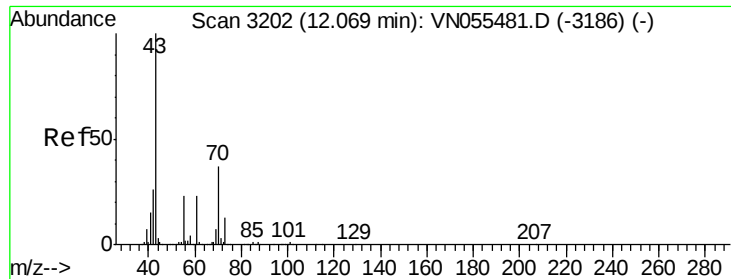
120 25.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 34.972 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

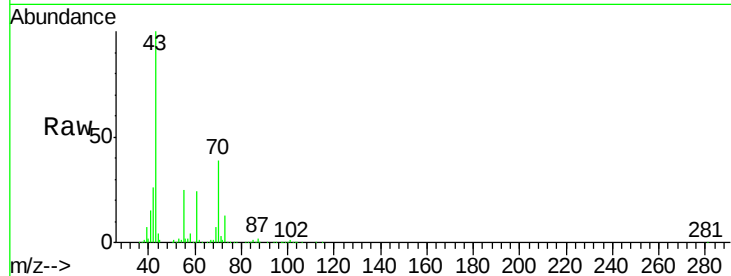
ClientSampleId :

CKMW-21MS

| Tot Ion | 43    | Resp  | 566666 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 70      | 39.6  | 30.7  | 46.1   |
| 55      | 25.4  | 19.3  | 28.9   |
| 61      | 23.8  | 18.6  | 27.8   |

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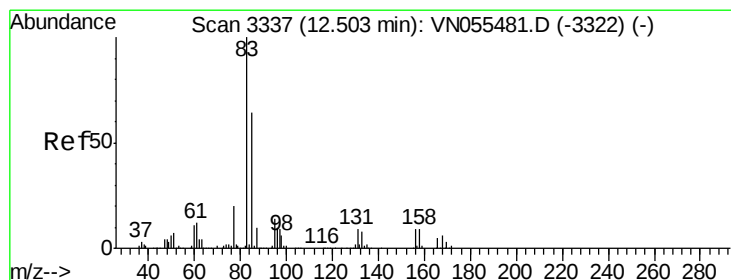
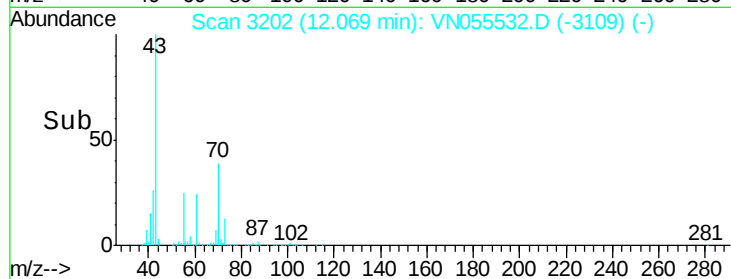
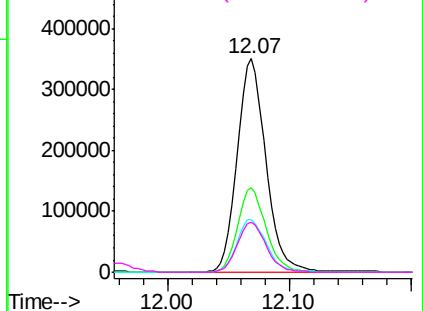


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 49.224 ug/l

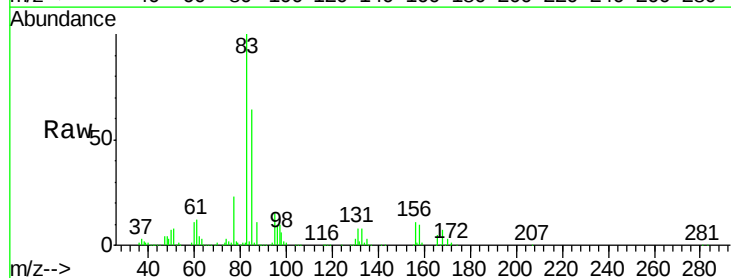
RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

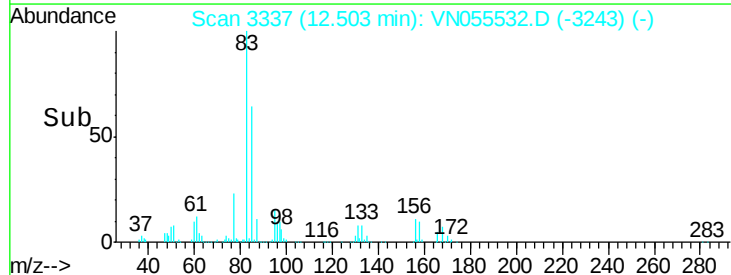
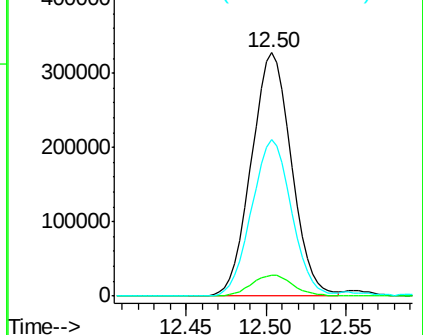
| Tgt Ion | 83    | Resp  | 563678 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 131     | 9.0   | 4.5   | 13.5   |
| 85      | 63.9  | 32.0  | 96.0   |

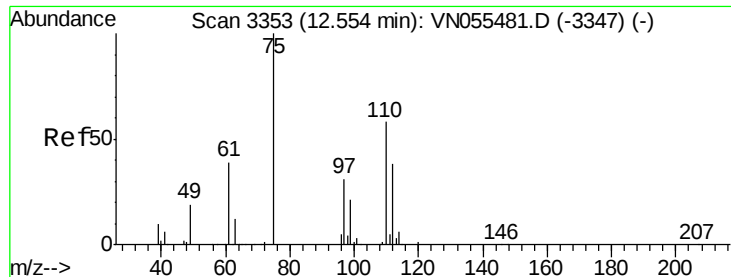


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 43.225 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampled :

CKMW-21MS

Tot Ion: 75 Resp: 502230

Ion Ratio Lower Upper

75 100

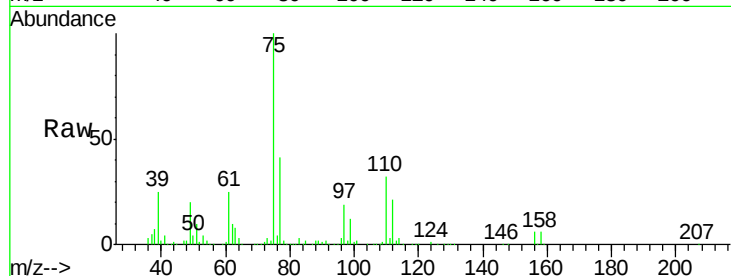
77 0.0 0.0 0.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055481.D (-3347) (-)

500000

400000

300000

200000

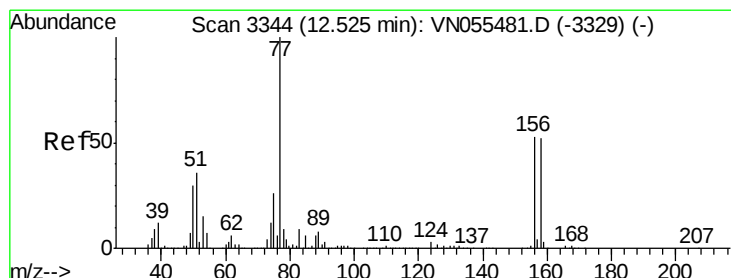
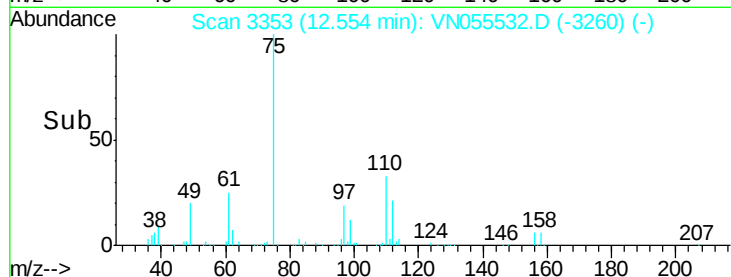
100000

0

12.55

12.60

Time-->



#77

Bromobenzene

Concen: 44.683 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

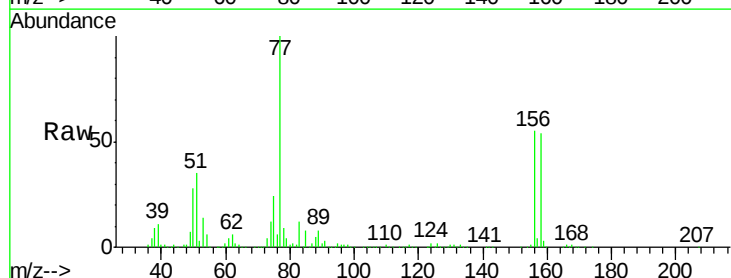
Tgt Ion: 156 Resp: 420280

Ion Ratio Lower Upper

156 100

77 220.4 115.4 346.2

158 97.3 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): VN055481.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN055481.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN055481.D (-3329) (-)

500000

400000

300000

200000

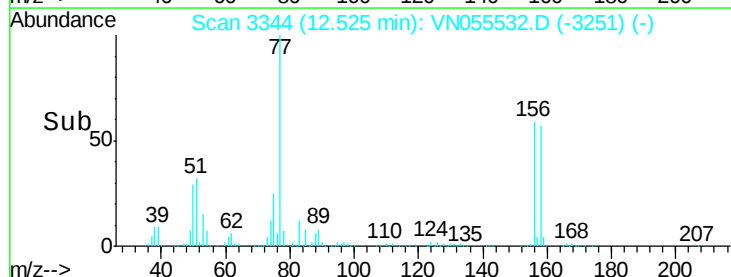
100000

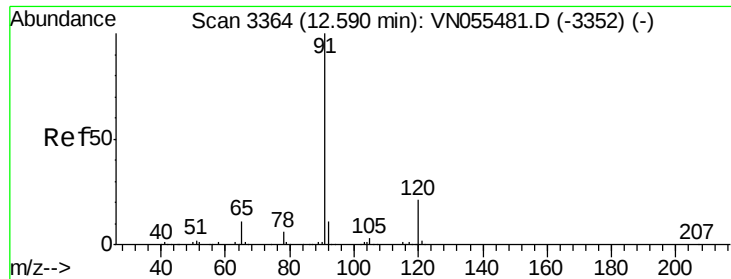
0

12.53

12.60

Time-->





#78

n-propylbenzene

Concen: 44.950 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampled :

CKMW-21MS

Tot Ion: 91 Resp: 2057666

Ion Ratio Lower Upper

91 100

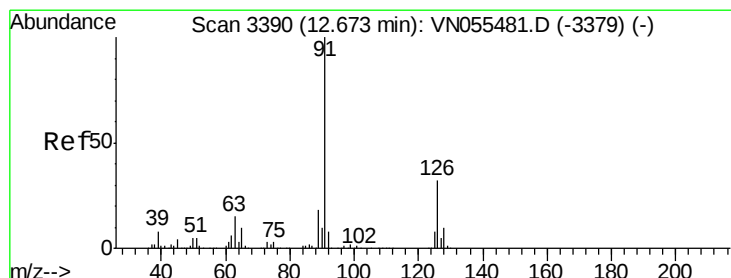
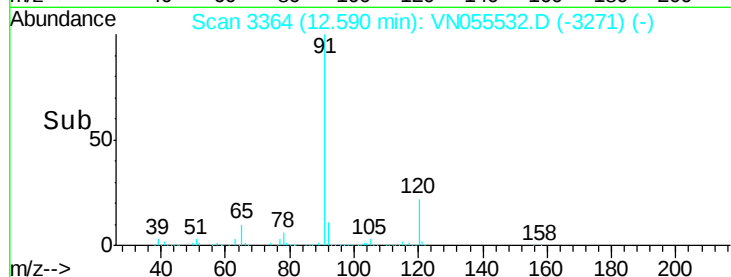
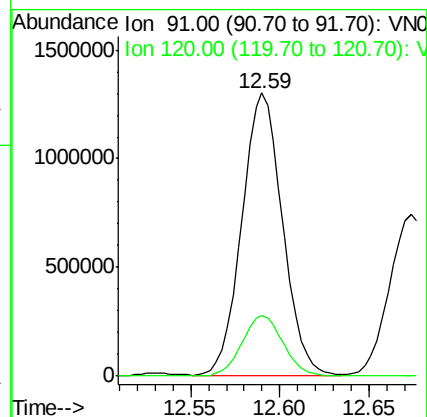
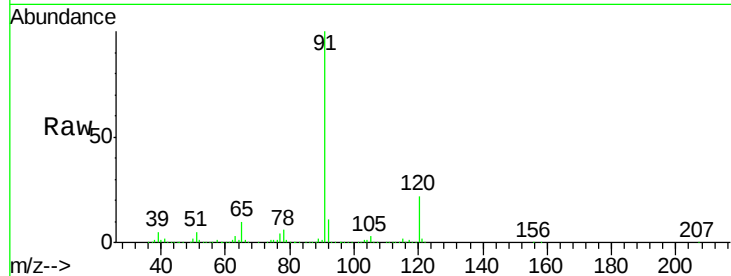
120 21.8 10.8 32.3

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#79

2-Chlorotoluene

Concen: 43.630 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055532.D

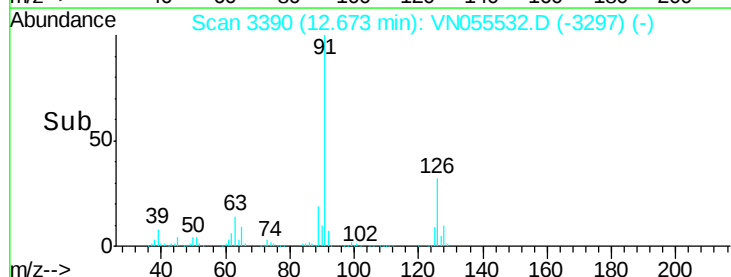
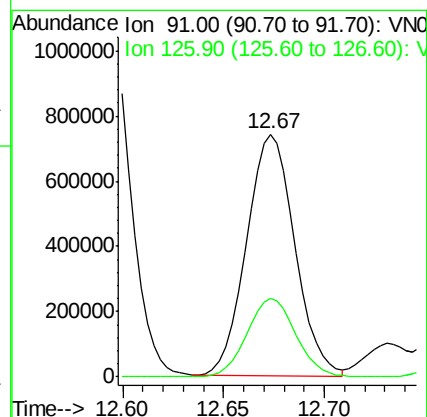
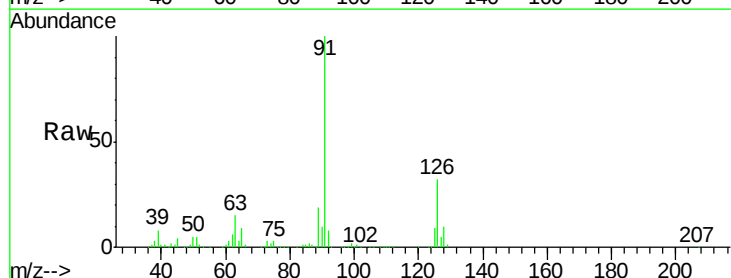
Acq: 10 May 2019 6:39

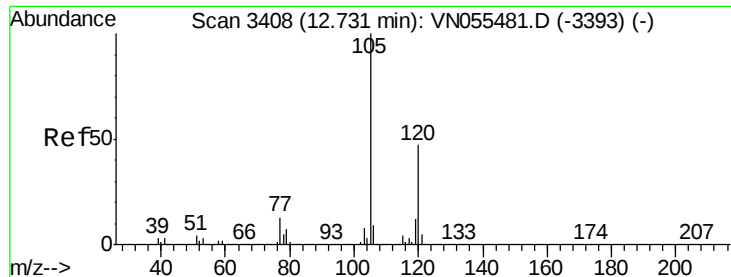
Tgt Ion: 91 Resp: 1244685

Ion Ratio Lower Upper

91 100

126 32.9 16.0 47.9





#80

1,3,5-Trimethylbenzene

Concen: 44.988 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampled :

CKMW-21MS

Tot Ion:105 Resp: 1535597

Ion Ratio Lower Upper

105 100

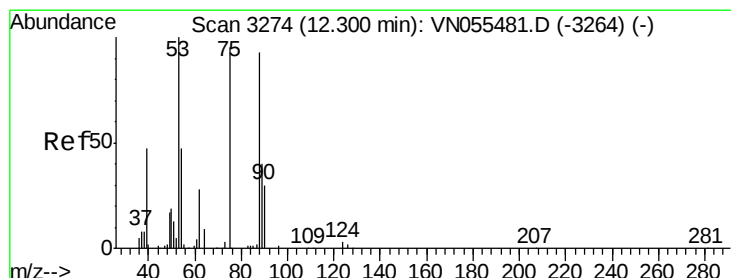
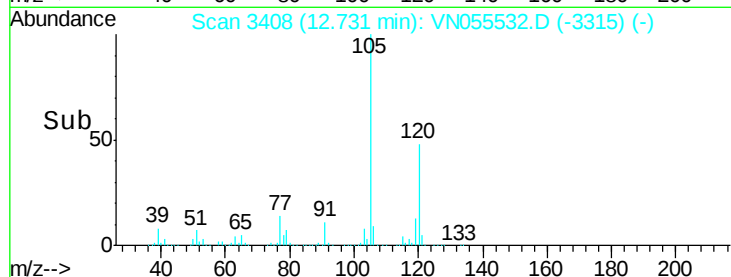
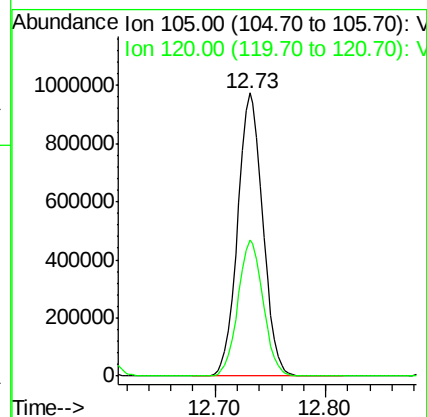
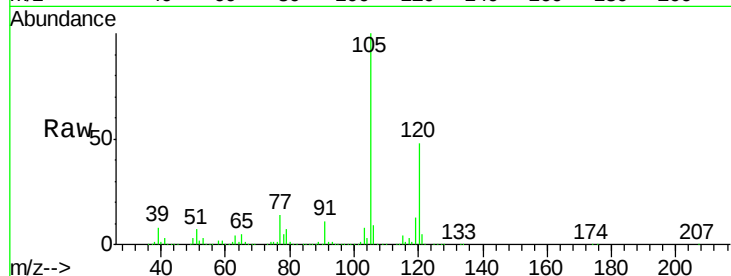
120 48.1 23.4 70.0

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 39.656 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

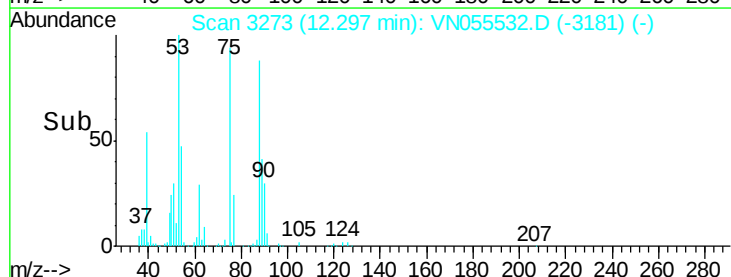
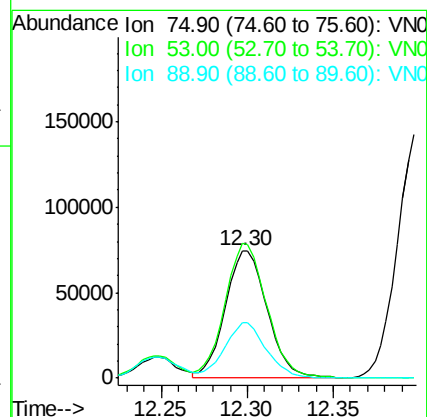
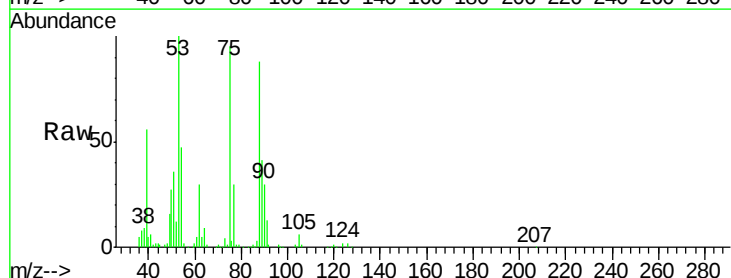
Tgt Ion: 75 Resp: 124871

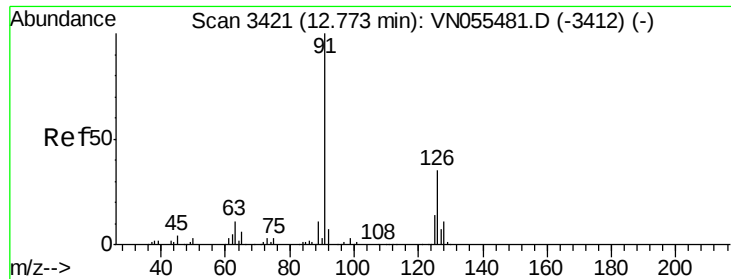
Ion Ratio Lower Upper

75 100

53 107.4 86.5 129.7

89 43.9 35.7 53.5





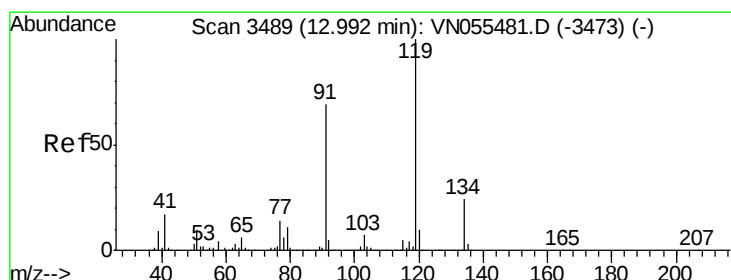
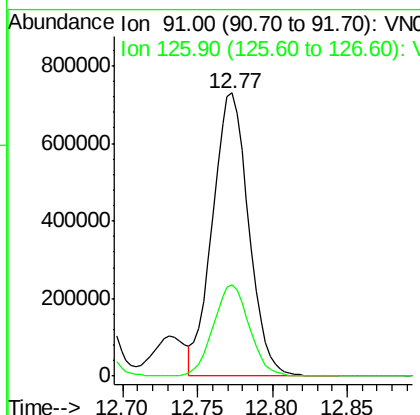
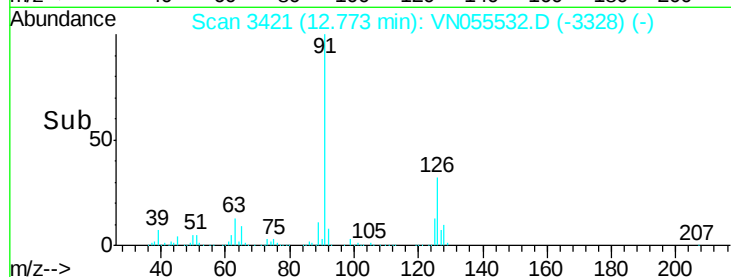
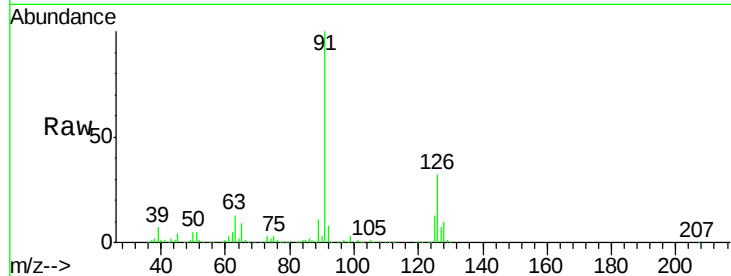
#82  
4-Chlorotoluene  
Concen: 45.564 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-21MS

Tot Ion: 91 Resp: 1228253  
Ion Ratio Lower Upper  
91 100  
126 32.2 15.7 47.0

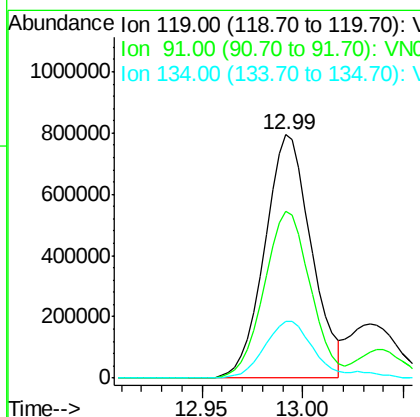
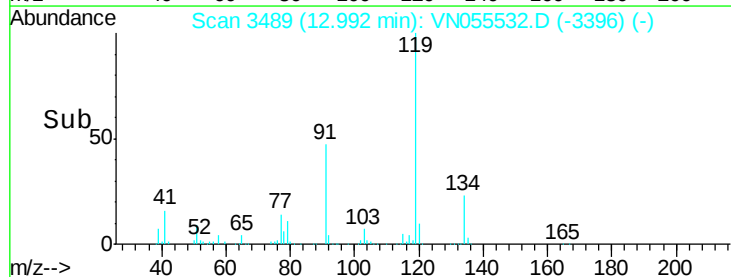
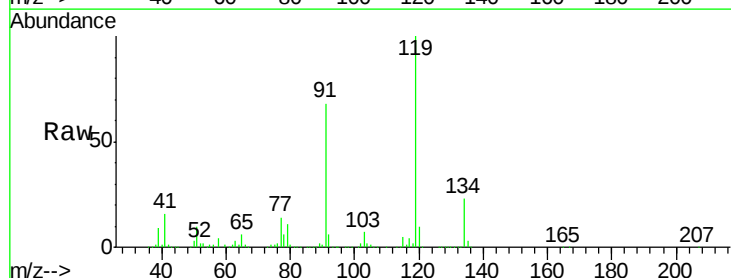
Manual Integrations  
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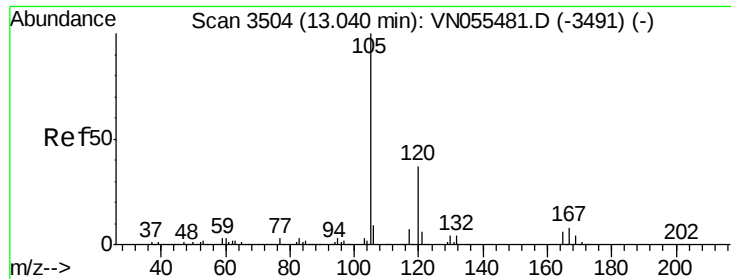
MMDadoda  
5/10/2019 12:44:22 PM



#83  
tert-Butylbenzene  
Concen: 43.527 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Tgt Ion: 119 Resp: 1273481  
Ion Ratio Lower Upper  
119 100  
91 68.6 33.8 101.3  
134 24.2 12.5 37.5





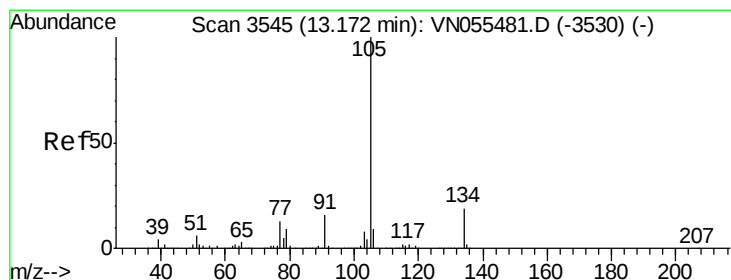
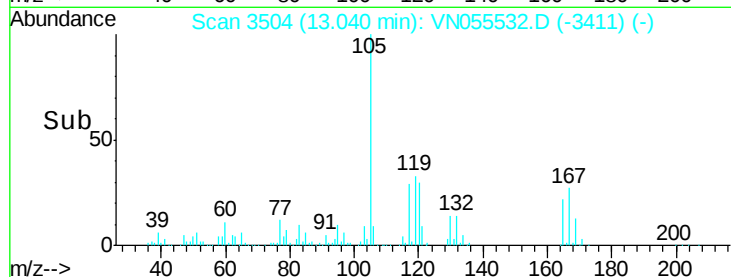
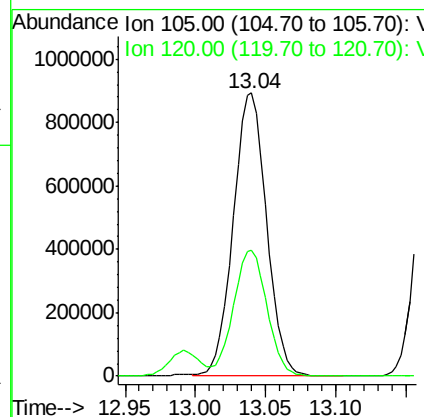
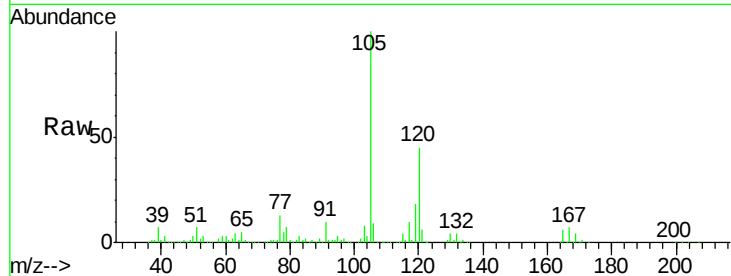
#84  
1,2,4-Trimethylbenzene  
Concen: 47.102 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Instrument :  
MSVOA\_N  
ClientSampled :  
CKMW-21MS

Tot Ion:105 Resp: 1474495  
Ion Ratio Lower Upper  
105 100  
120 44.8 22.1 66.5

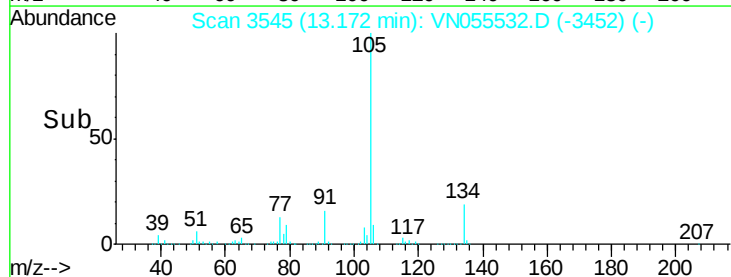
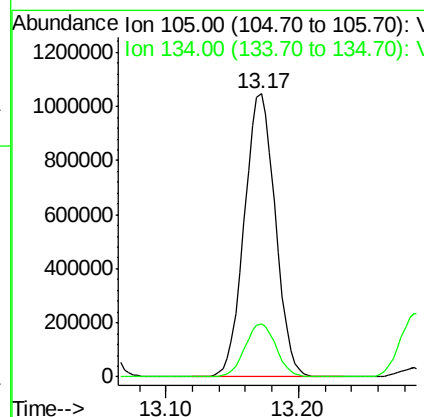
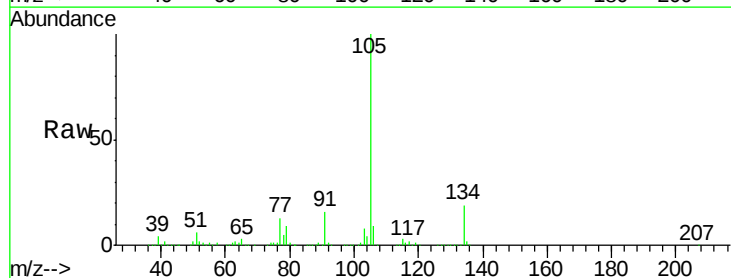
Manual Integrations  
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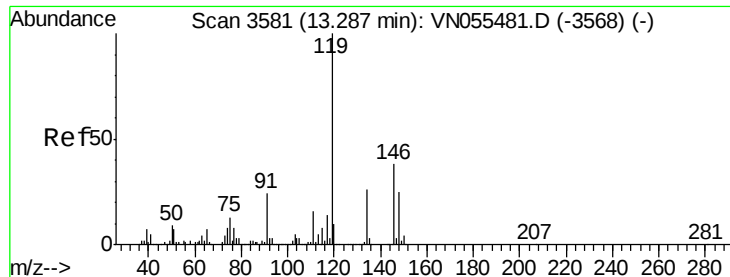
MMDadoda  
5/10/2019 12:44:22 PM



#85  
sec-Butylbenzene  
Concen: 43.643 ug/l  
RT: 13.17 min Scan# 3545  
Delta R.T. 0.00 min  
Lab File: VN055532.D  
Acq: 10 May 2019 6:39

Tgt Ion:105 Resp: 1696977  
Ion Ratio Lower Upper  
105 100  
134 18.9 9.3 28.0





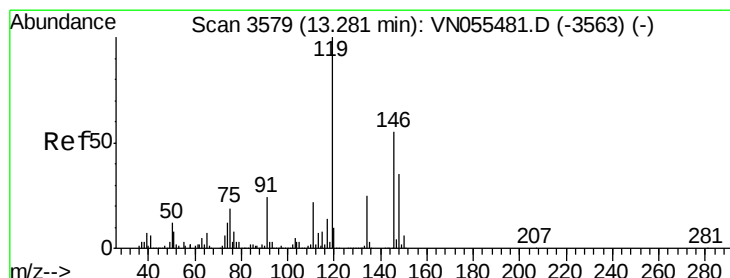
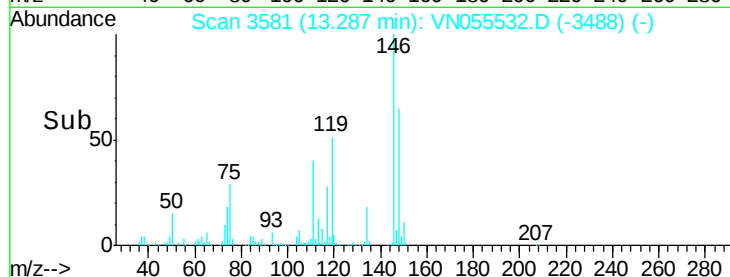
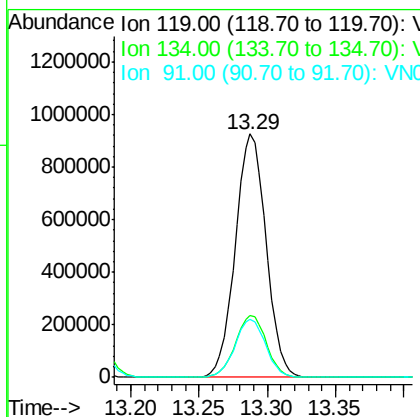
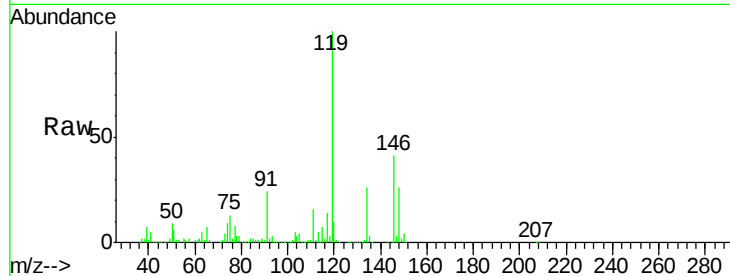
#86  
 p-Isopropyltoluene  
 Concen: 45.526 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.5  | 12.8  | 38.4  |
| 91      | 23.9  | 12.0  | 36.0  |

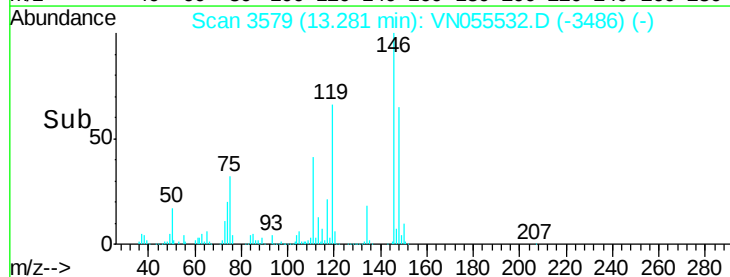
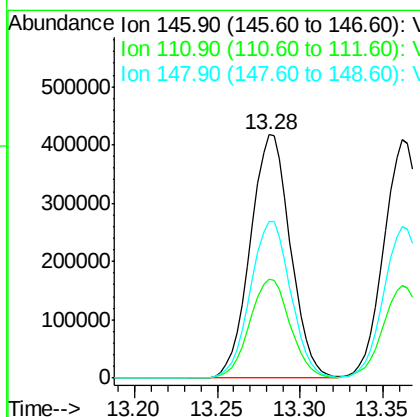
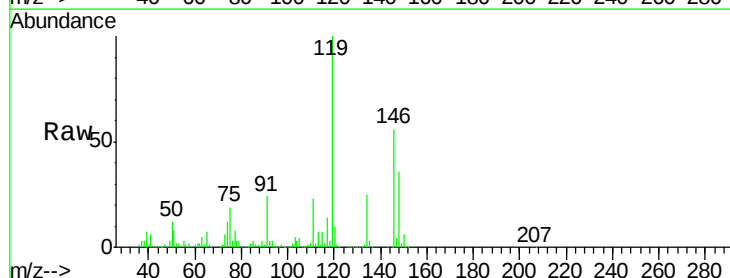
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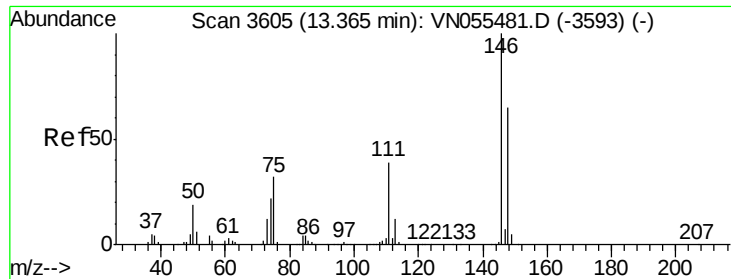
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#87  
 1,3-Dichlorobenzene  
 Concen: 48.316 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.4  | 61.3  |
| 148     | 64.7  | 32.1  | 96.5  |





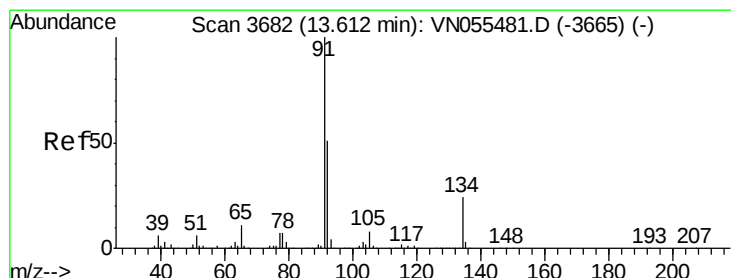
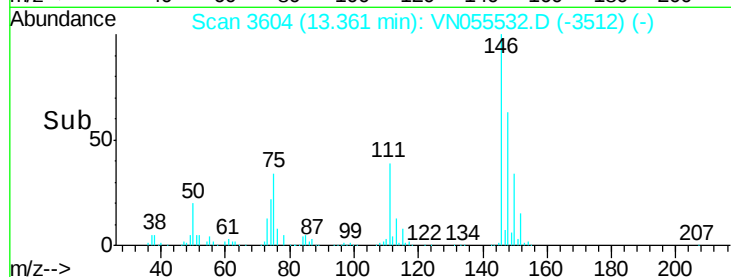
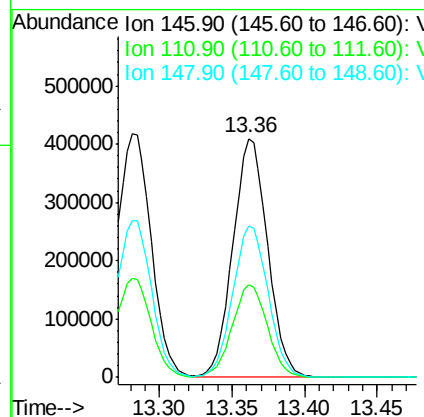
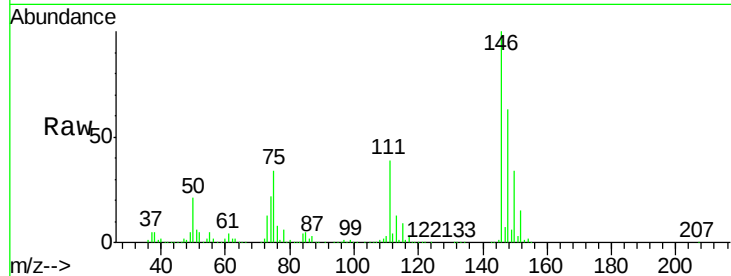
#88  
 1,4-Dichlorobenzene  
 Concen: 47.383 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. -0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 CKMW-21MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.6  | 58.8  |
| 148     | 64.6  | 32.5  | 97.4  |

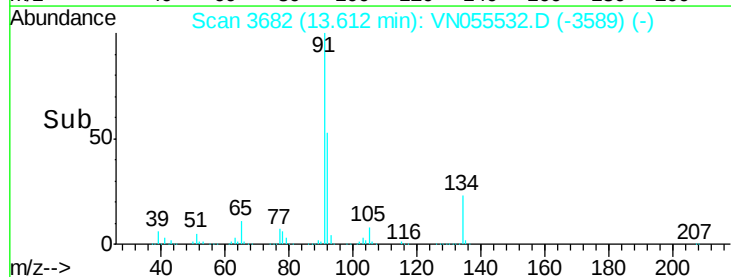
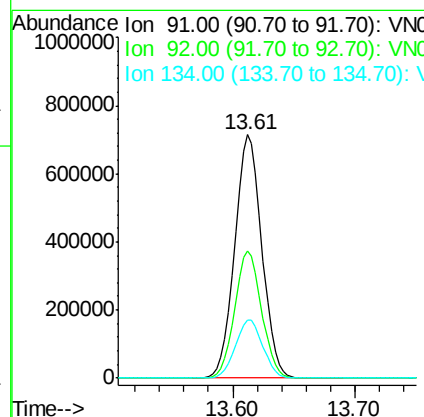
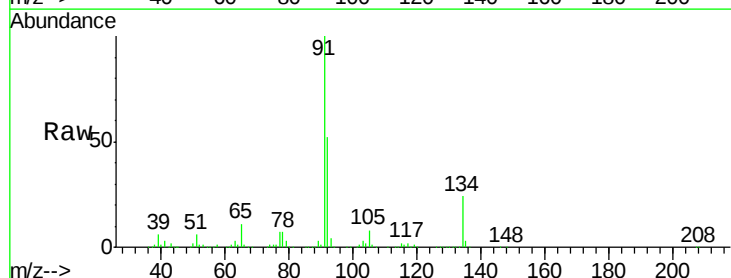
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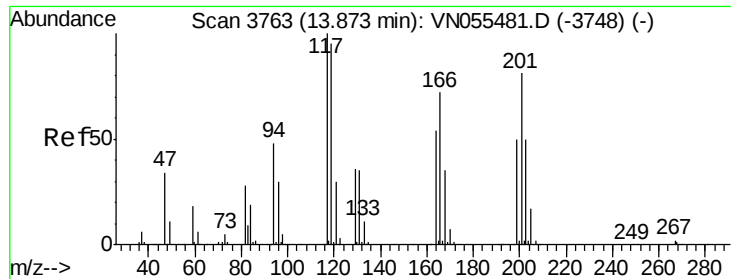
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#89  
 n-Butylbenzene  
 Concen: 45.000 ug/l  
 RT: 13.61 min Scan# 3682  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.8  | 25.9  | 77.7  |
| 134     | 24.1  | 11.8  | 35.4  |





#90

Hexachloroethane

Concen: 44.554 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-21MS

Tot Ion:117 Resp: 229989

Ion Ratio Lower Upper

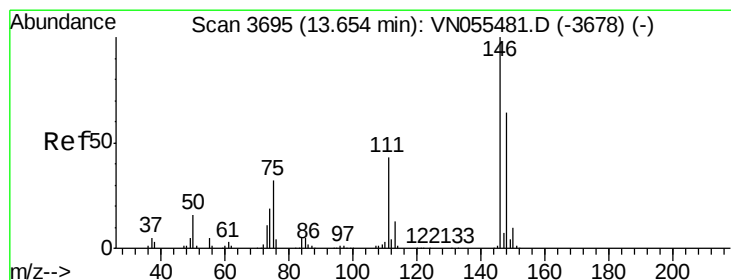
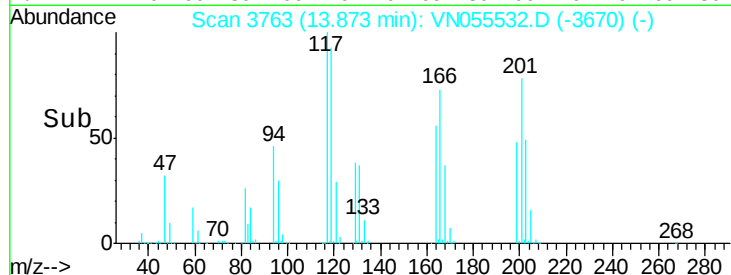
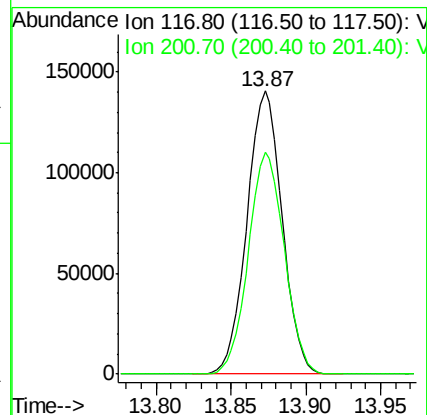
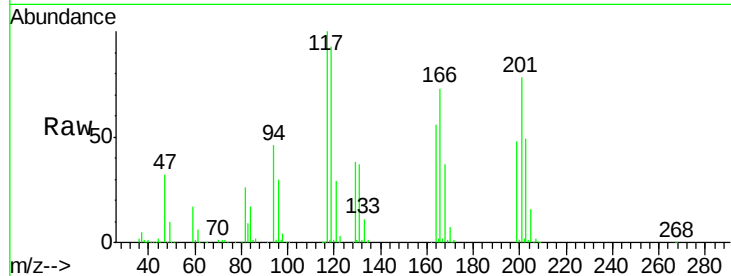
117 100

201 80.1 40.1 120.2

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#91

1,2-Dichlorobenzene

Concen: 48.602 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

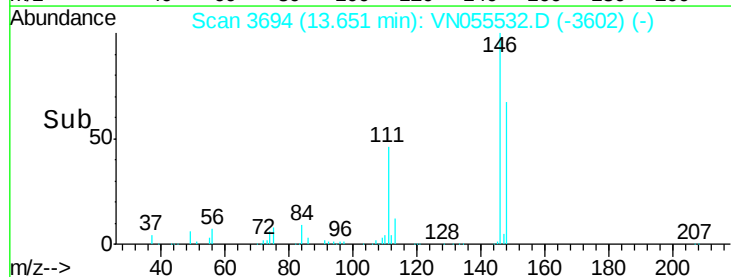
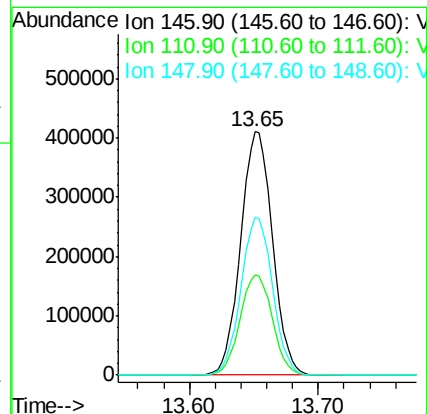
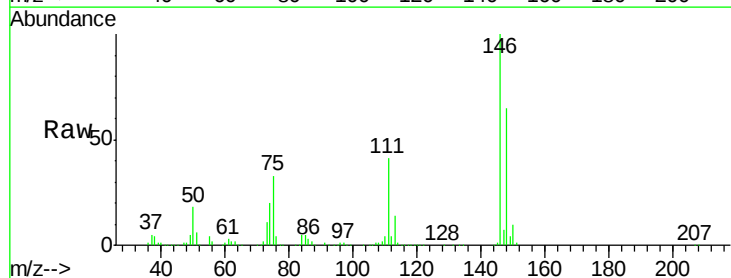
Tgt Ion:146 Resp: 705980

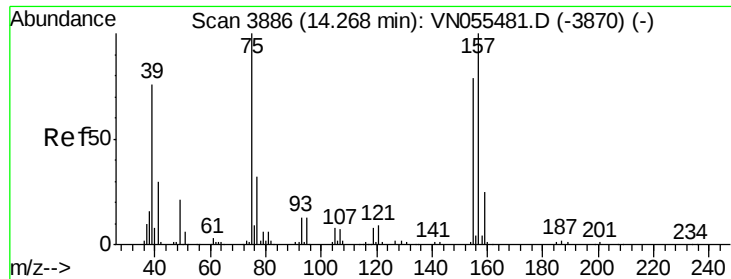
Ion Ratio Lower Upper

146 100

111 41.6 21.3 63.7

148 64.4 31.9 95.9





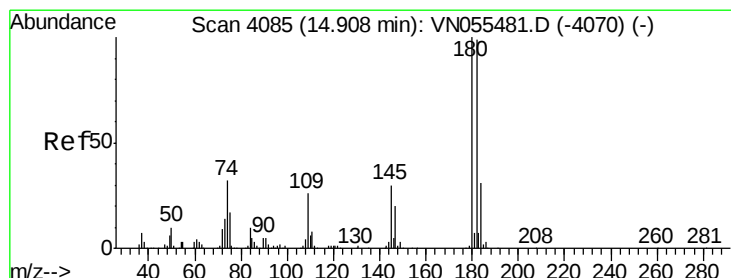
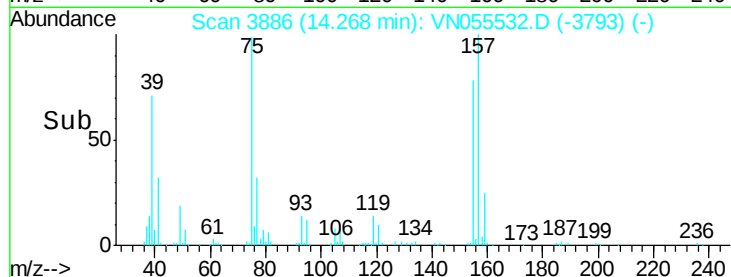
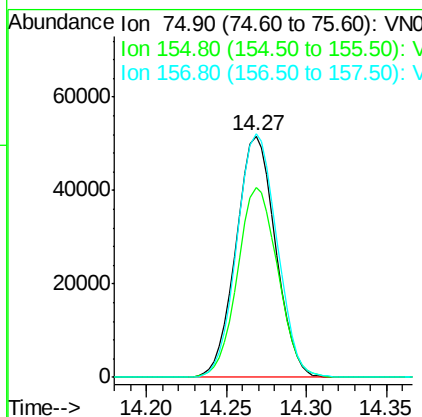
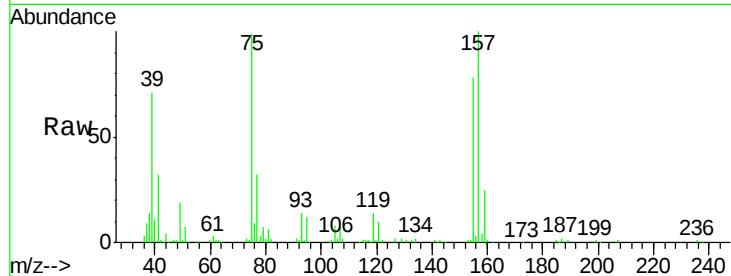
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 44.182 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 80.6  | 39.3  | 117.8 |
| 157     | 102.3 | 50.6  | 151.8 |

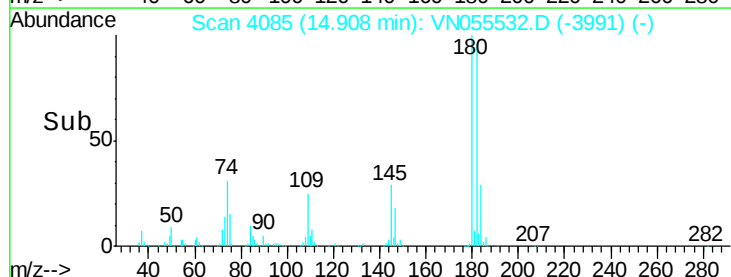
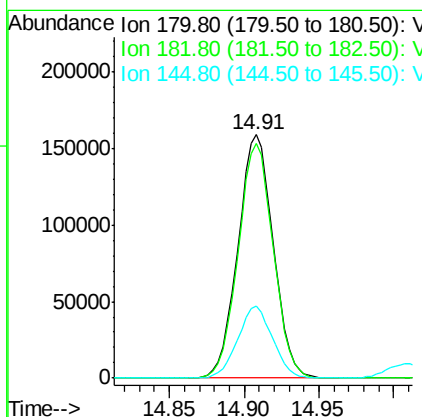
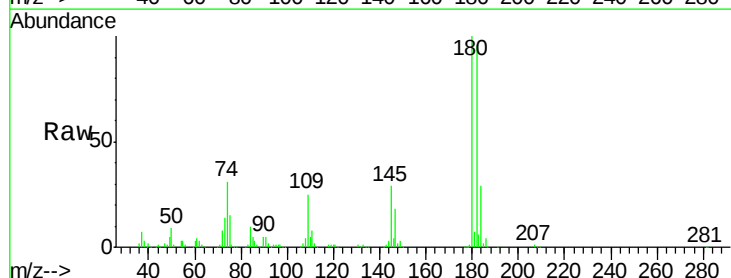
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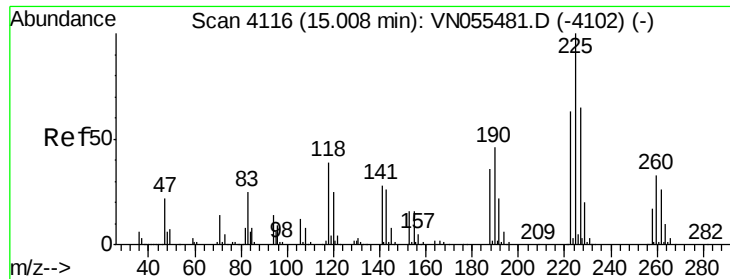
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#93  
 1,2,4-Trichlorobenzene  
 Concen: 41.716 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 48.7  | 146.1 |
| 145     | 29.1  | 15.3  | 45.9  |





#94

Hexachlorobutadiene

Concen: 46.535 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA\_N

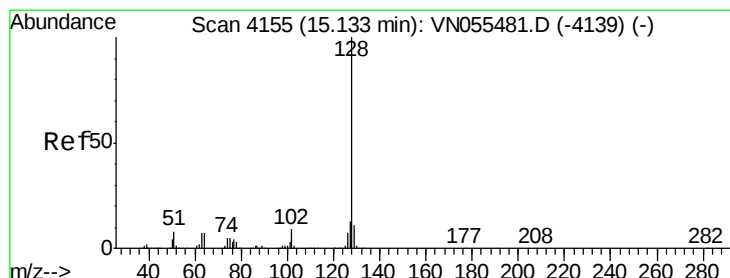
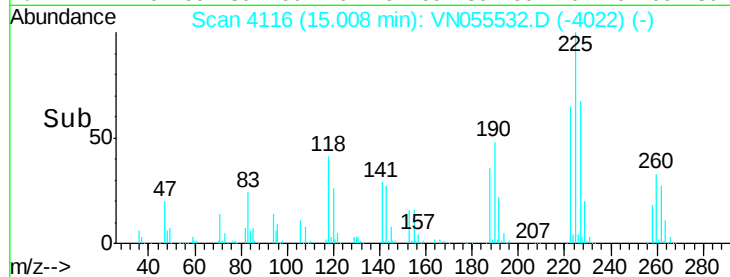
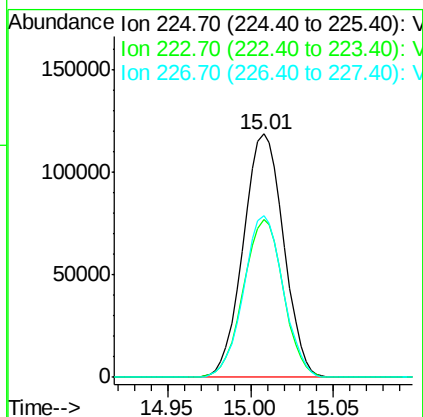
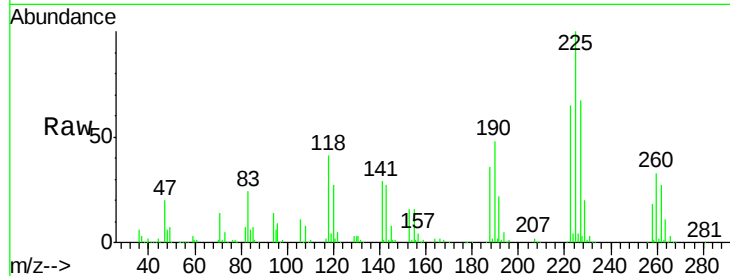
ClientSampleId :

CKMW-21MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 225  | Resp: | 200730 |
| Ion Ratio |      | Lower | Upper  |
| 225       | 100  |       |        |
| 223       | 64.1 | 31.4  | 94.3   |
| 227       | 65.1 | 32.0  | 96.0   |

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#95

Naphthalene

Concen: 39.484 ug/l

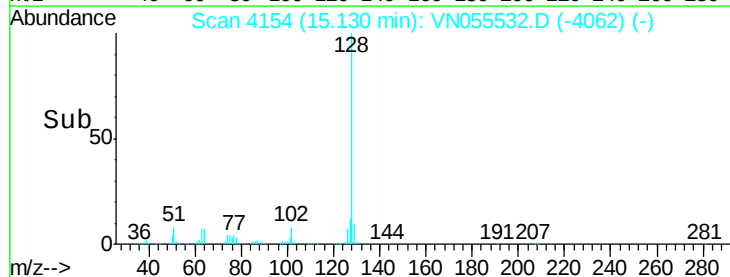
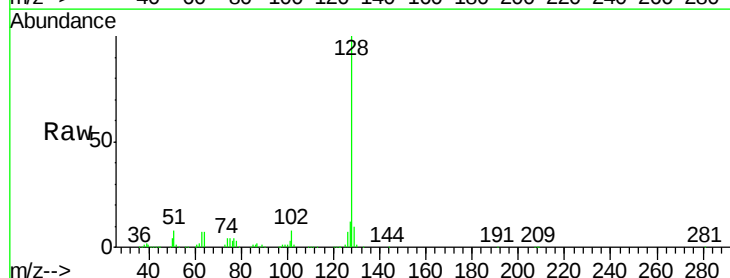
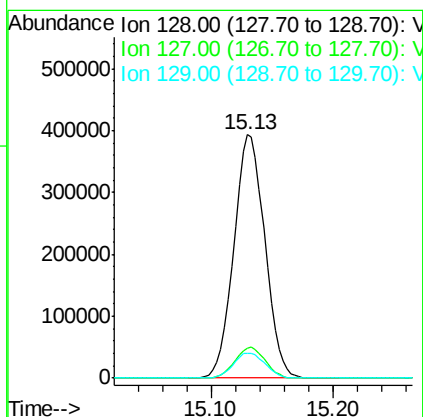
RT: 15.13 min Scan# 4154

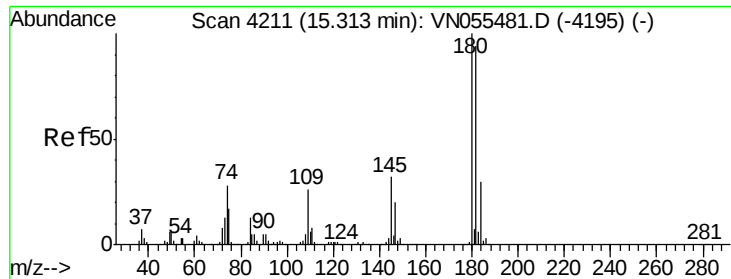
Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 690942 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.6 | 10.0  | 15.0   |
| 129       | 10.7 | 8.8   | 13.2   |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 42.417 ug/l  
 RT: 15.31 min Scan# 4211  
 Delta R.T. 0.00 min  
 Lab File: VN055532.D  
 Acq: 10 May 2019 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-21MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 287860 |       |       |
| 182     | 95.4  | 47.1   | 141.3 |       |
| 145     | 31.6  | 15.8   | 47.4  |       |

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