

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\  
 Data File : VN054445.D  
 Acq On : 19 Mar 2019 17:28  
 Operator : JC/SP  
 Sample : VN0319MBSD01  
 Misc : 5.00µl/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0319MBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/20/2019 12:21:51 PM

Quant Time: Mar 20 04:40:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1388439  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2112176  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1808281  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 842765   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 640504   | 43.44 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.88% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 649308   | 47.66 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.32% |      |
| 50) Toluene-d8            | 10.09  | 98  | 2391475  | 47.53 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.06% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 802122   | 45.57 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.14% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 238070  | 18.092  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 230170  | 18.007  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.19 | 62  | 233247  | 15.965  | ug/l   | 98     |
| 5) Bromomethane               | 2.57 | 94  | 157873  | 15.602  | ug/l   | 97     |
| 6) Chloroethane               | 2.71 | 64  | 140733  | 15.921  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 300313  | 15.461  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 157456  | 17.789  | ug/l   | 90     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 249221  | 17.122  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 374442  | 19.069  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.81 | 59  | 80726   | 79.859  | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 246367  | 17.080  | ug/l   | 98     |
| 13) Acrolein                  | 3.61 | 56  | 56119   | 58.587  | ug/l   | 98     |
| 14) Allyl chloride            | 4.32 | 41  | 332740  | 17.979  | ug/l   | 93     |
| 15) Acrylonitrile             | 4.99 | 53  | 439291  | 105.795 | ug/l   | 98     |
| 16) Acetone                   | 3.82 | 43  | 248937  | 58.963  | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.04 | 76  | 522502  | 14.450  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 199588  | 23.366  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 741161  | 20.730  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.54 | 84  | 288810  | 20.833  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 276172  | 19.983  | ug/l   | 95     |
| 22) Diisopropyl ether         | 5.96 | 45  | 770905  | 20.871  | ug/l   | 95     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2462783 | 90.432  | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 487946  | 20.574  | ug/l   | 99     |
| 25) 2-Butanone                | 6.85 | 43  | 457180  | 92.262  | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 284346  | 13.634  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 328145  | 21.283  | ug/l   | 94     |
| 28) Bromochloromethane        | 7.19 | 49  | 187644  | 19.354  | ug/l   | 91     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 308768  | 96.913  | ug/l   | 94     |
| 30) Chloroform                | 7.37 | 83  | 503411  | 20.342  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 435615  | 18.882  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 403961  | 18.074  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 370275  | 19.036  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.94 | 43  | 203310  | 18.191  | ug/l # | 95     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 343386  | 16.834  | ug/l   | 98     |

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 Sample : VN0319MBSD01  
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0319MBSD01

Manual Integrations  
 APPROVED

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Quant Time: Mar 20 04:40:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 408985   | 17.089  | ug/l   | 97       |
| 40) Benzene                    | 8.04  | 78   | 1170463  | 21.028  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 112407   | 17.615  | ug/l   | 90       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 340264   | 18.107  | ug/l   | 95       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 338341   | 17.247  | ug/l   | 95       |
| 44) Trichloroethene            | 8.83  | 130  | 346779   | 20.055  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 292459   | 21.160  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 177015   | 18.955  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 337279   | 18.016  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 184355   | 18.517  | ug/l   | 89       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 56220    | 399.226 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1003822  | 96.690  | ug/l   | 92       |
| 52) Toluene                    | 10.16 | 92   | 722565   | 20.473  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 300361   | 15.456  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 388564   | 17.811  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 265421   | 20.596  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 319652   | 20.802  | ug/l # | 89       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 438298   | 20.800  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 588979   | 99.231  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 626117   | 90.635  | ug/l   | 93       |
| 60) Dibromochloromethane       | 10.90 | 129  | 254715   | 17.560  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 263056   | 20.087  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 350744   | 20.062  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.43 | 112  | 832089   | 20.957  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 276634   | 19.179  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1353694  | 20.567  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 1058681  | 41.154  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 536769   | 21.405  | ug/l   | 95       |
| 70) Styrene                    | 11.96 | 104  | 846436   | 21.522  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 165161   | 16.666  | ug/l # | 92       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1364357  | 20.235  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 290841   | 19.433  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 297876   | 20.735  | ug/l # | 96       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 253121m  | 20.424  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 1622997  | 90.964  | ug/l # | 14       |
| 78) n-propylbenzene            | 12.59 | 91   | 1416860  | 19.366  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 875516   | 19.903  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1165602  | 20.783  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 44098    | 12.164  | ug/l # | 82       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 866739   | 19.732  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 985932   | 19.099  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1099493  | 19.983  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1237461  | 18.484  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1091987  | 18.592  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 584192   | 19.431  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 572503   | 19.384  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 812500   | 18.207  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 128420   | 13.205  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 591389   | 20.122  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 36529    | 16.432  | ug/l   | 87       |

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Data File : VN054445.D  
Acq On : 19 Mar 2019 17:28  
Operator : JC/SP  
Sample : VN0319MBSD01  
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

Manual Integrations  
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3/20/2019 12:21:51 PM

Quant Time: Mar 20 04:40:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 315726   | 19.414 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 174092   | 15.551 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 766593   | 22.770 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 317085   | 20.305 | ug/l  | 95       |

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

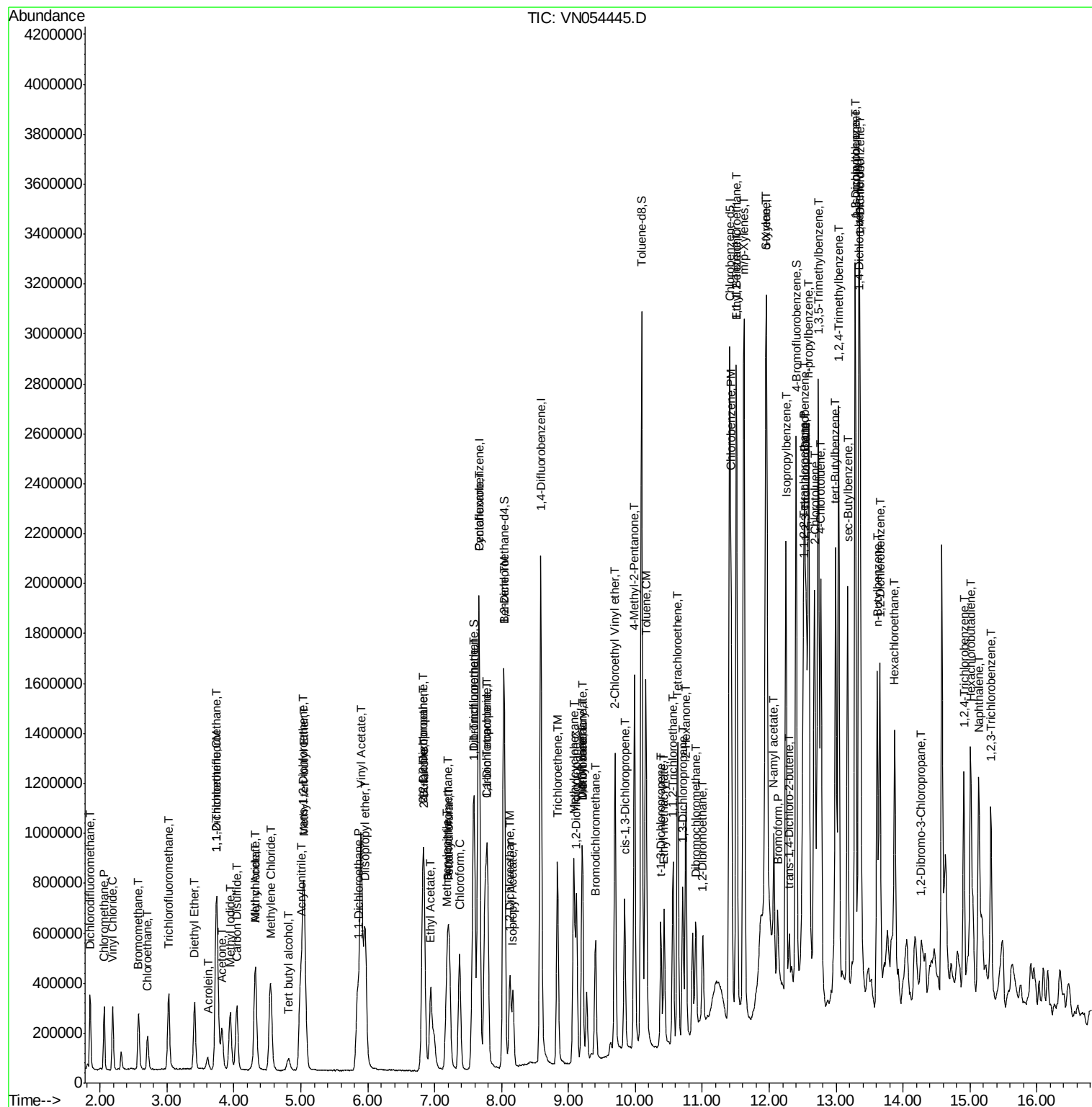
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Data File : VN054445.D  
Acq On : 19 Mar 2019 17:28  
Operator : JC/SP  
Sample : VN0319MBS01  
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 17 Sample Multiplier: 1

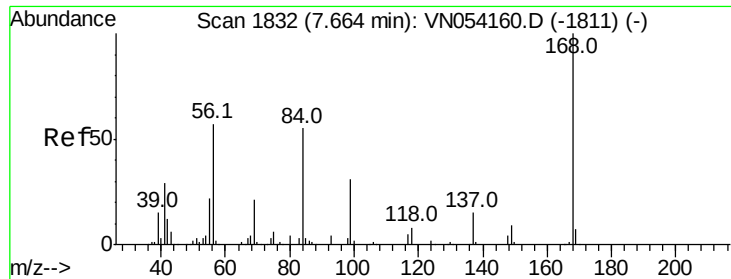
Instrument :  
MSVOA\_N  
Client Sample Id :  
VN0319MBS01

Manual Integrations  
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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: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion:168 Resp: 1388439

Ion Ratio Lower Upper

168 100

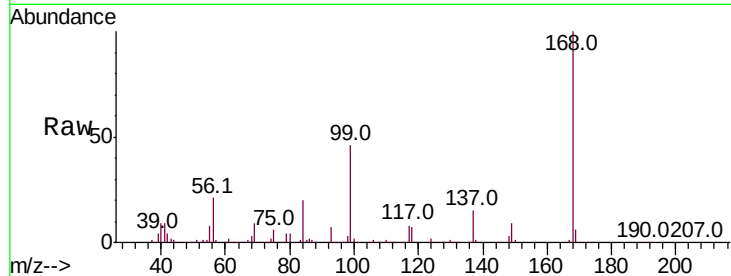
99 45.7 37.1 55.7

Manual Integrations

APPROVED

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3/20/2019 12:21:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

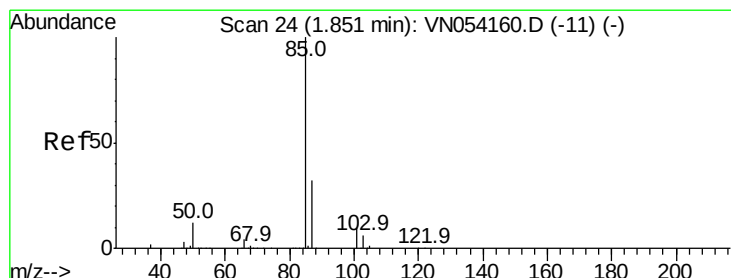
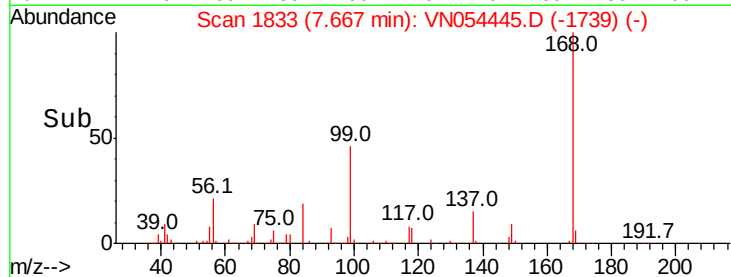
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.092 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054445.D

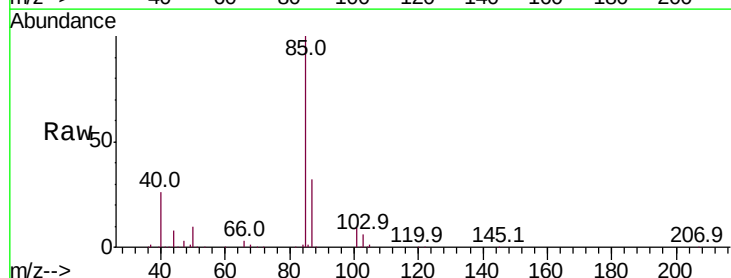
Acq: 19 Mar 2019 17:28

Tgt Ion: 85 Resp: 238070

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

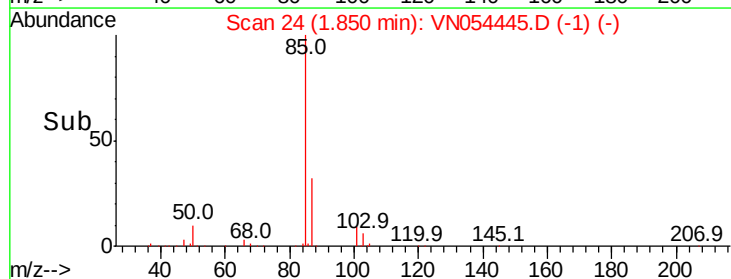
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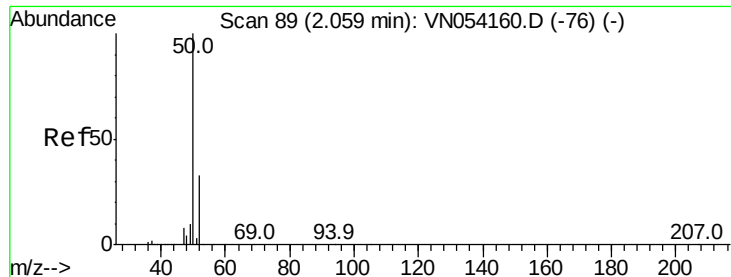
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.007 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampled :

VN0319MBSD01

Tot Ion: 50 Resp: 230170

Ion Ratio Lower Upper

50 100

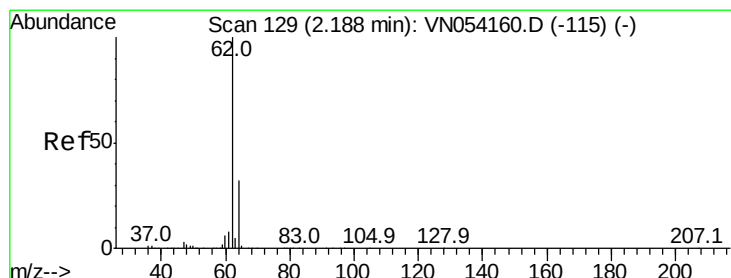
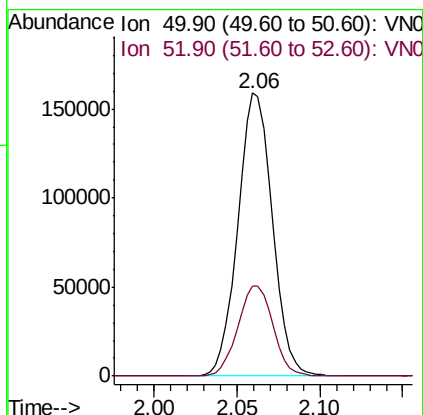
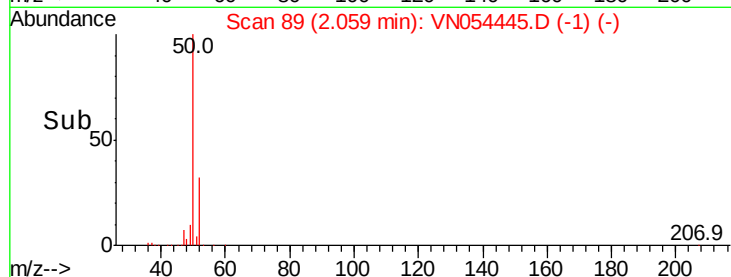
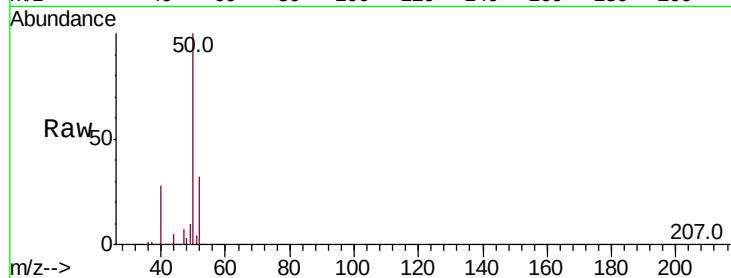
52 32.0 26.4 39.6

Manual Integrations

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3/20/2019 12:21:51 PM



#4

Vinyl Chloride

Concen: 15.965 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054445.D

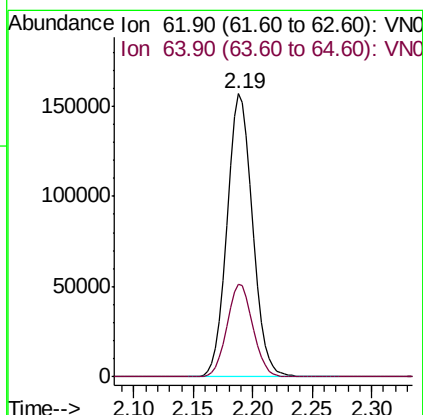
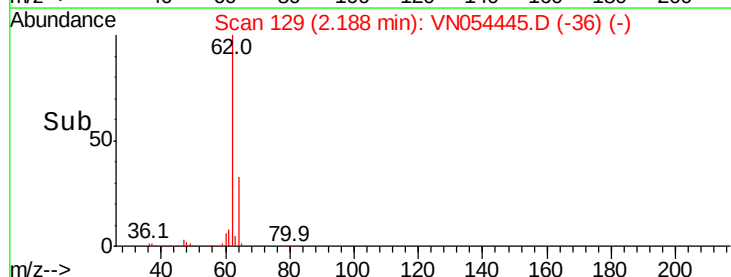
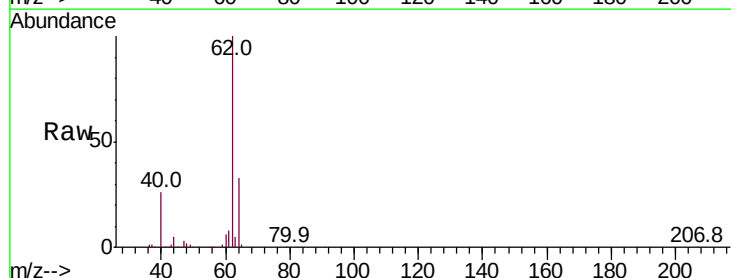
Acq: 19 Mar 2019 17:28

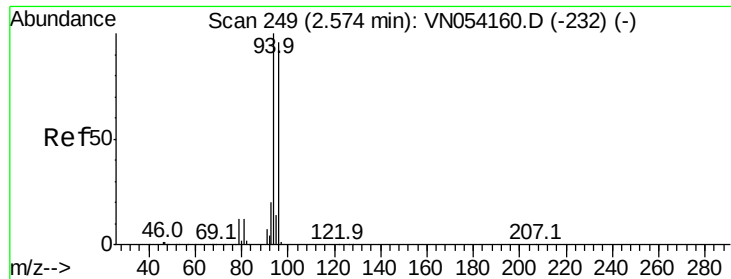
Tgt Ion: 62 Resp: 233247

Ion Ratio Lower Upper

62 100

64 32.9 25.5 38.3





#5

Bromomethane

Concen: 15.602 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 94 Resp: 157873

Ion Ratio Lower Upper

94 100

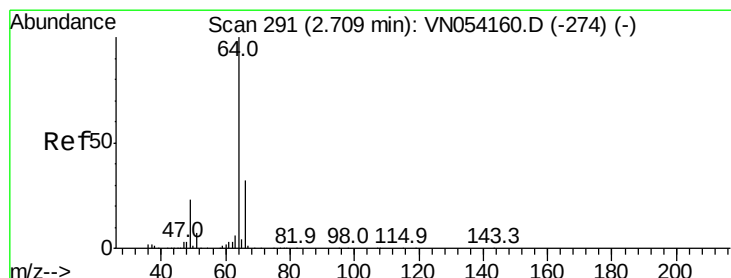
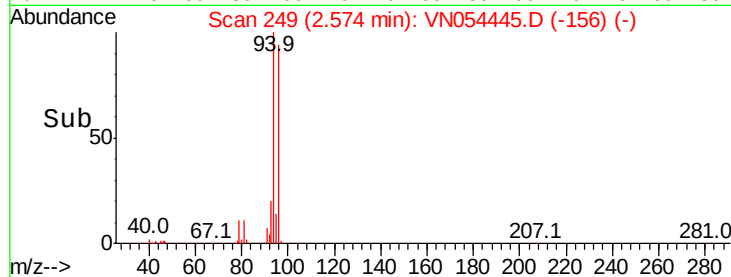
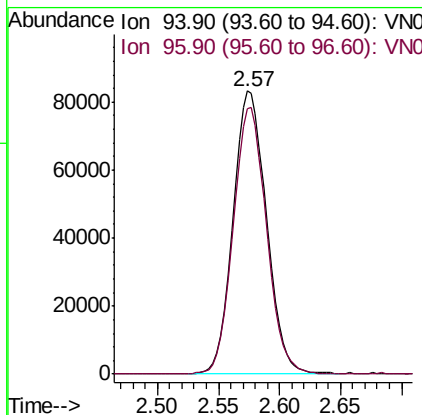
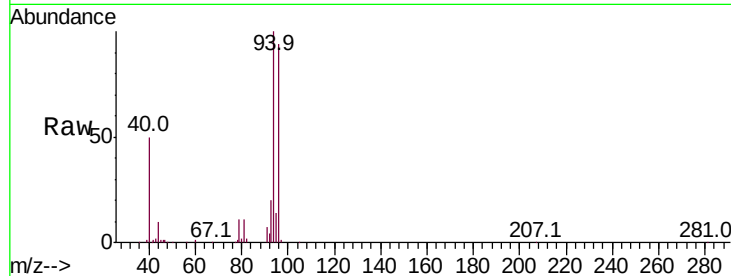
96 93.7 77.0 115.4

Manual Integrations

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3/20/2019 12:21:51 PM



#6

Chloroethane

Concen: 15.921 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054445.D

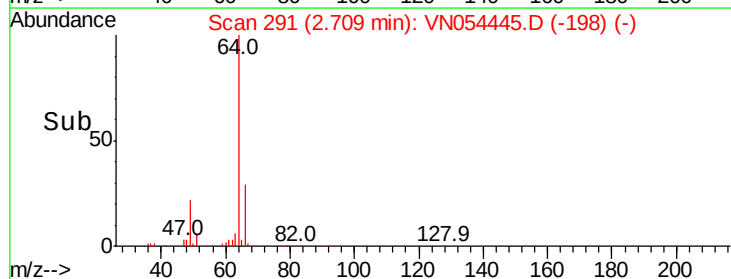
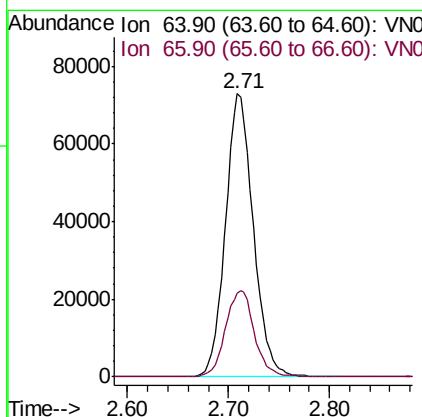
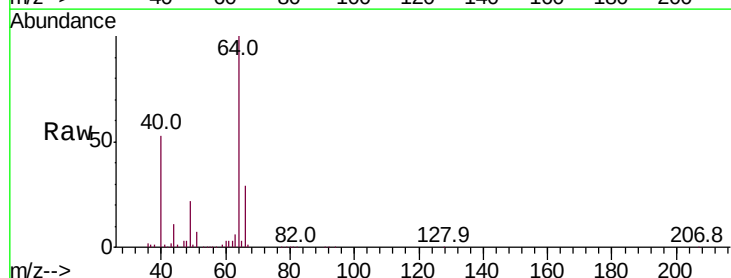
Acq: 19 Mar 2019 17:28

Tgt Ion: 64 Resp: 140733

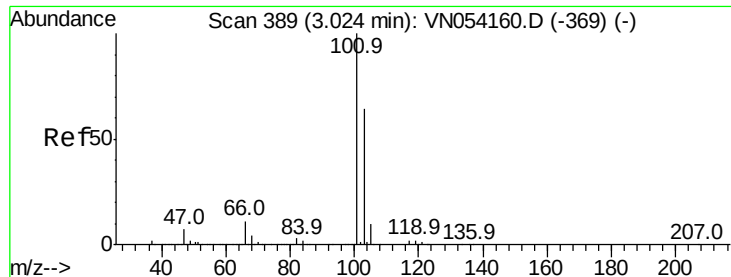
Ion Ratio Lower Upper

64 100

66 29.4 25.7 38.5







#7

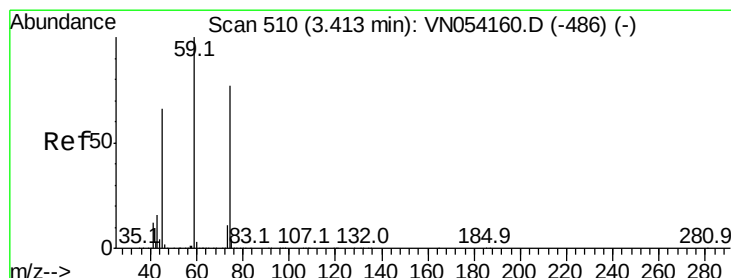
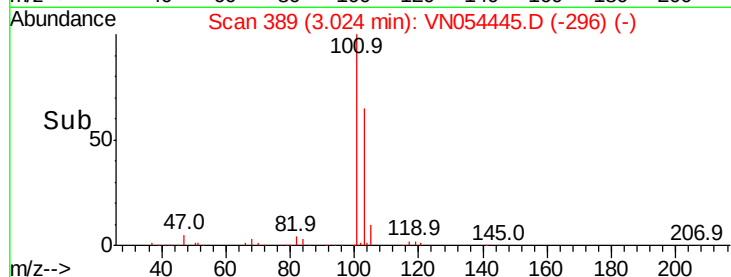
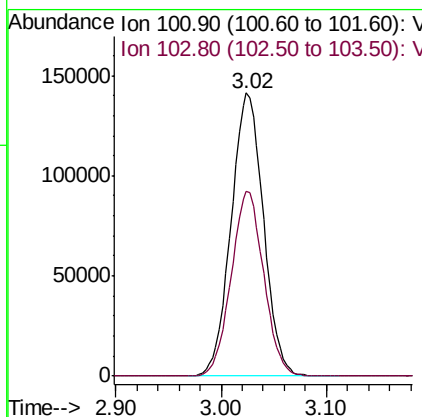
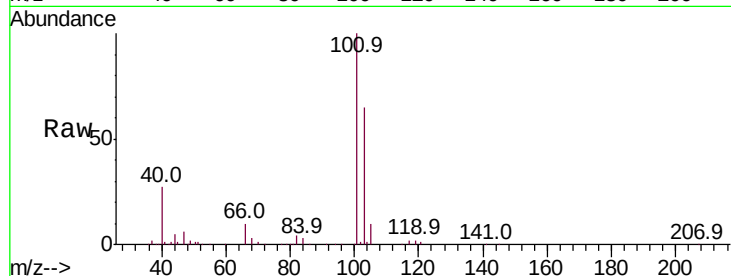
Trichlorofluoromethane  
 Concen: 15.461 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. -0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.4  | 51.4  | 77.2  |

Manual Integrations  
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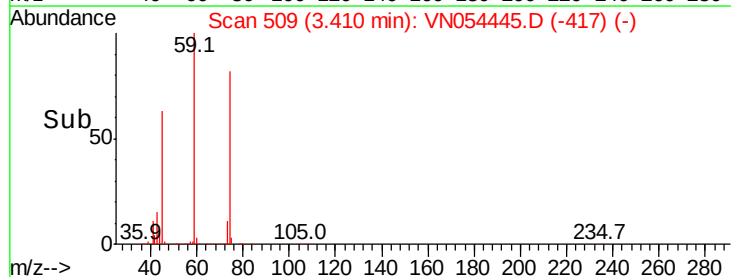
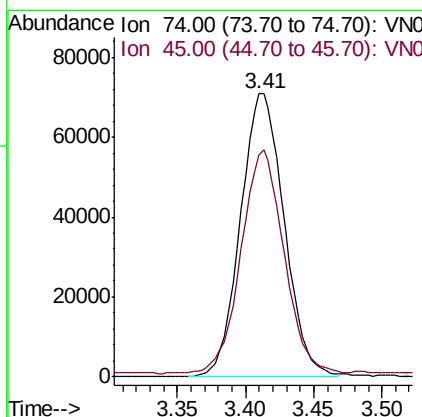
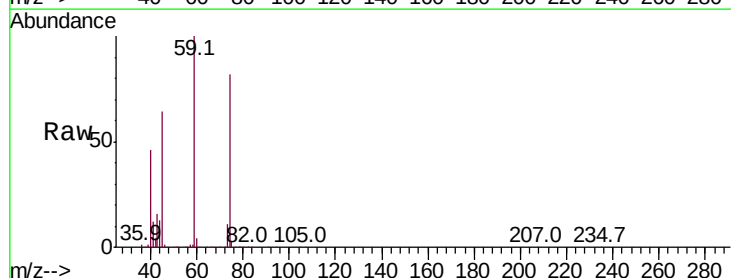
MMDadoda  
 3/20/2019 12:21:51 PM



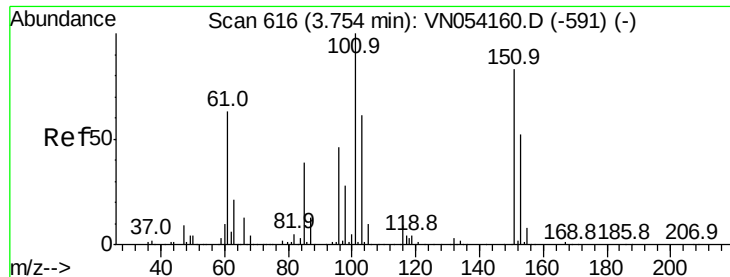
#8

Diethyl Ether  
 Concen: 17.789 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. -0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 76.8  | 43.1  | 129.4 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.122 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

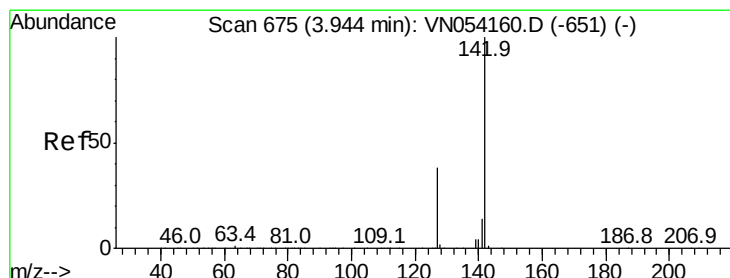
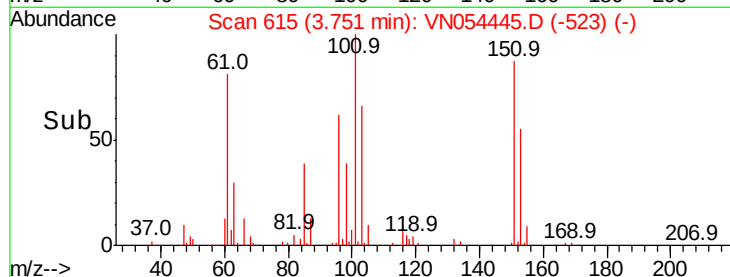
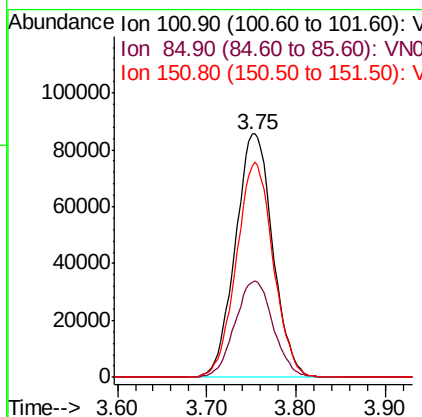
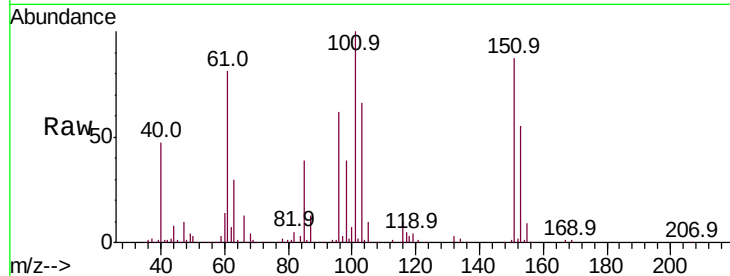
ClientSampleId :

VN0319MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 249221 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 40.5  | 32.4  | 48.6   |
| 151       | 87.1  | 68.2  | 102.2  |

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#10

Methyl Iodide

Concen: 19.069 ug/l

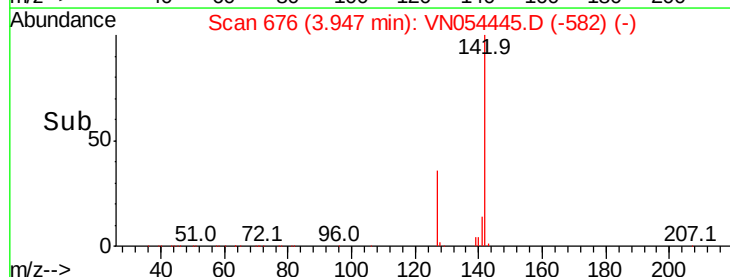
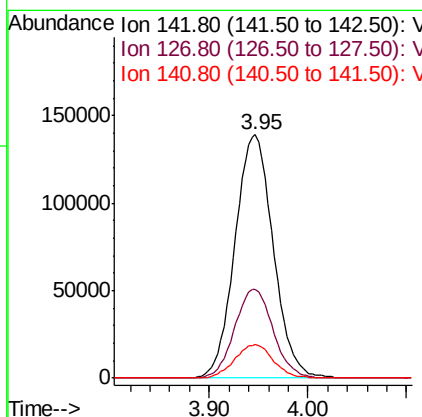
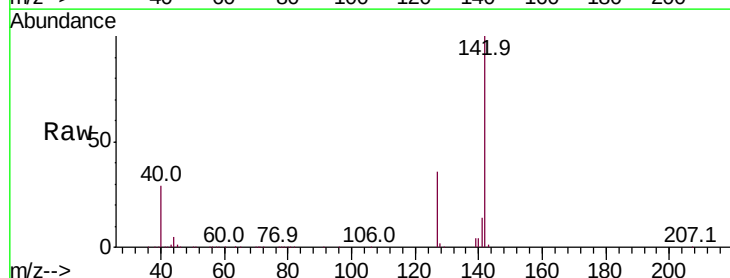
RT: 3.95 min Scan# 676

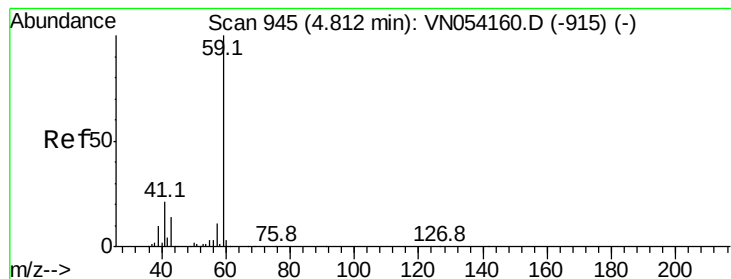
Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 374442 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 36.8  | 30.3  | 45.5   |
| 141       | 14.0  | 11.2  | 16.8   |





#11

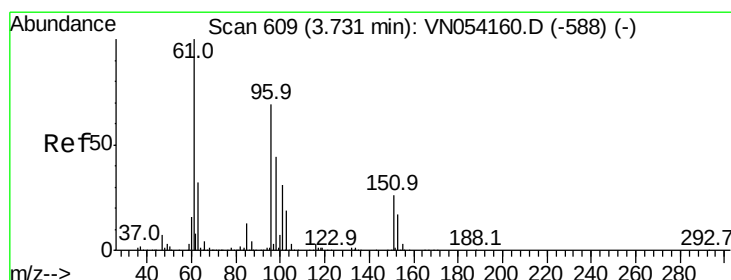
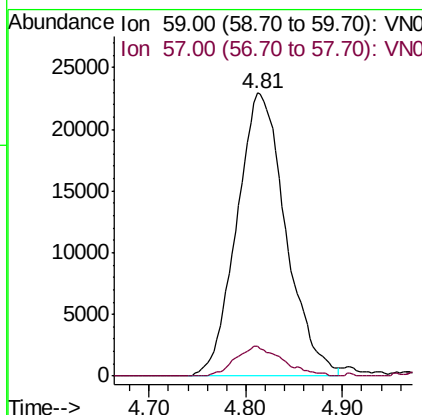
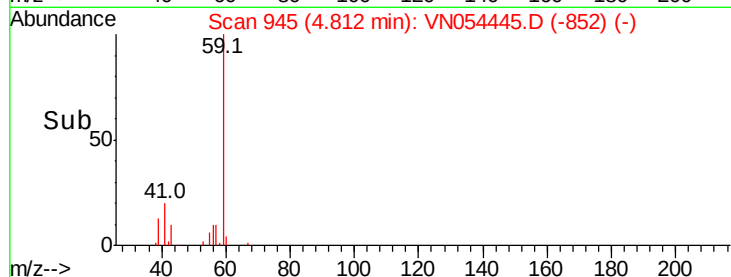
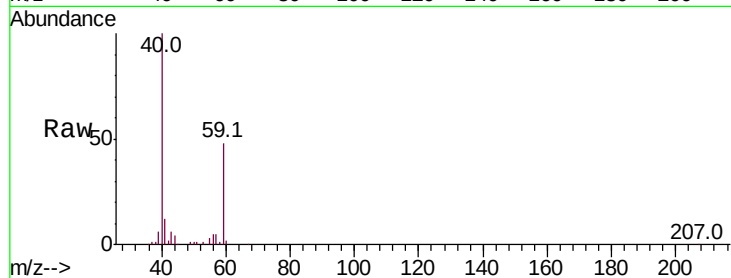
Tert butyl alcohol  
 Concen: 79.859 ug/l  
 RT: 4.81 min Scan# 945  
 Delta R.T. -0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0319MBSD01

Tot Ion: 59 Resp: 80726  
 Ion Ratio Lower Upper  
 59 100  
 57 10.2 9.0 13.6

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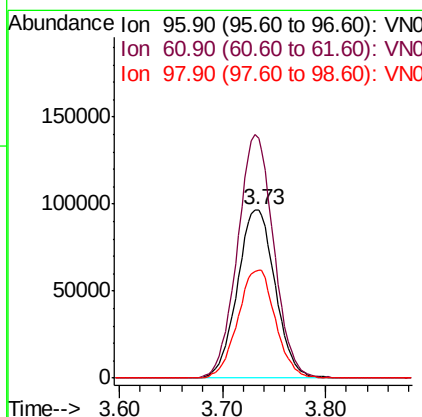
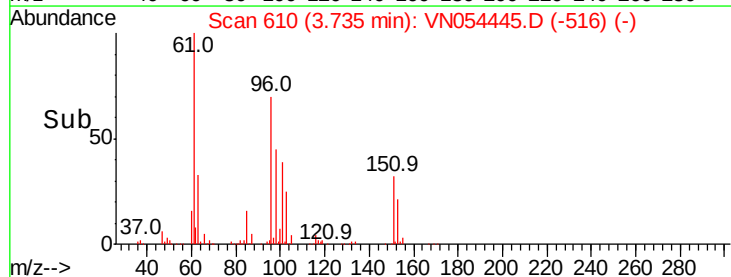
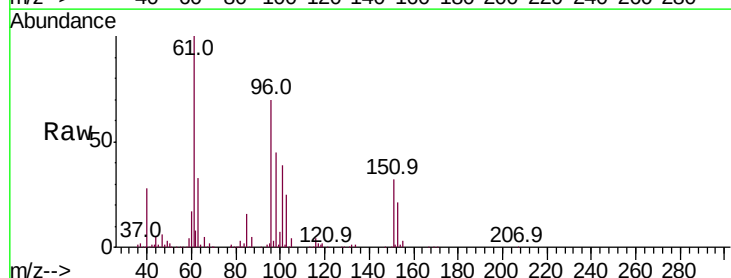
MMDadoda  
 3/20/2019 12:21:51 PM

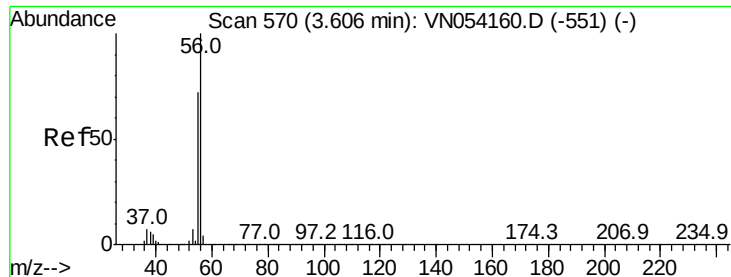


#12

1,1-Dichloroethene  
 Concen: 17.080 ug/l  
 RT: 3.73 min Scan# 610  
 Delta R.T. 0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

Tgt Ion: 96 Resp: 246367  
 Ion Ratio Lower Upper  
 96 100  
 61 142.8 116.5 174.7  
 98 64.3 51.0 76.4





#13

Acrolein

Concen: 58.587 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 56 Resp: 56119

Ion Ratio Lower Upper

56 100

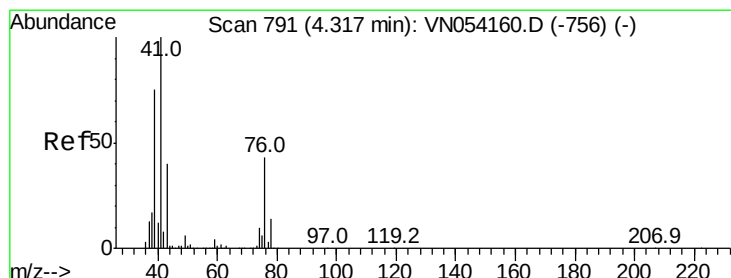
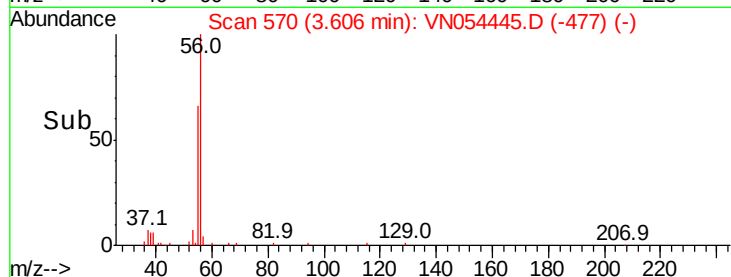
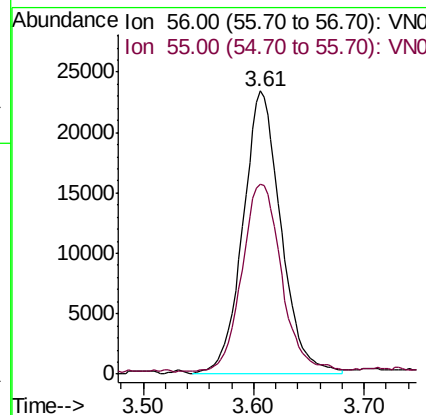
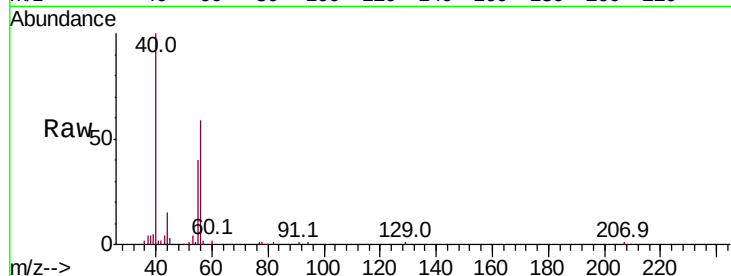
55 68.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.979 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

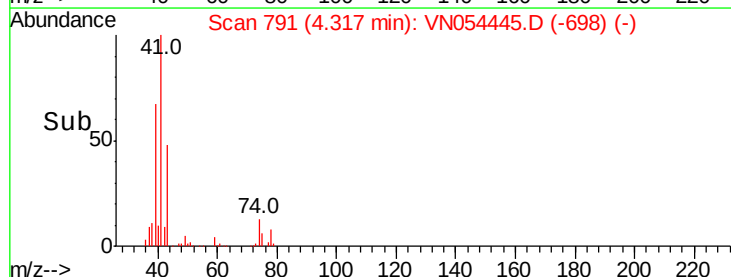
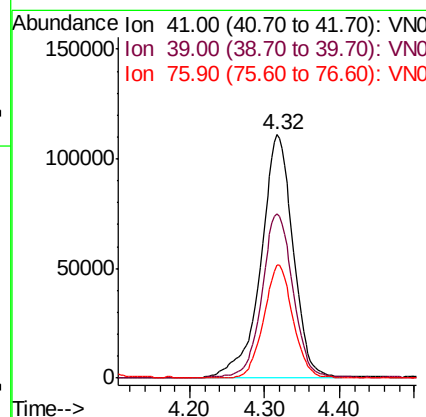
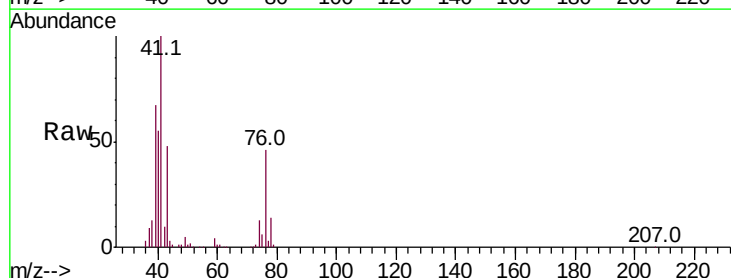
Tgt Ion: 41 Resp: 332740

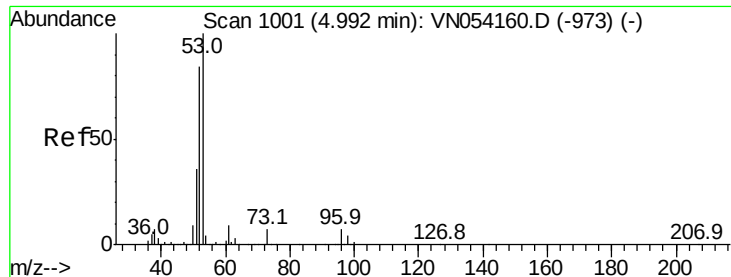
Ion Ratio Lower Upper

41 100

39 65.4 58.2 87.4

76 42.1 31.7 47.5





#15

Acrylonitrile

Concen: 105.795 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

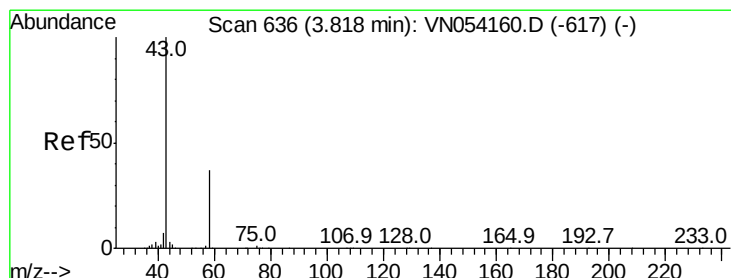
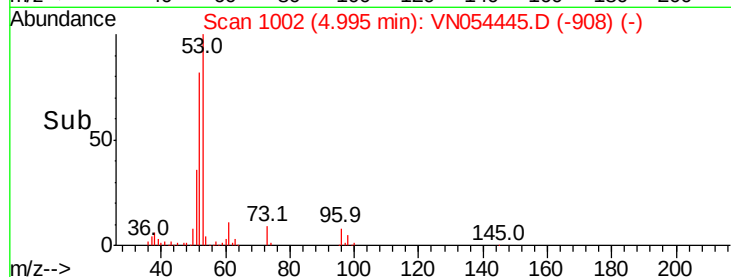
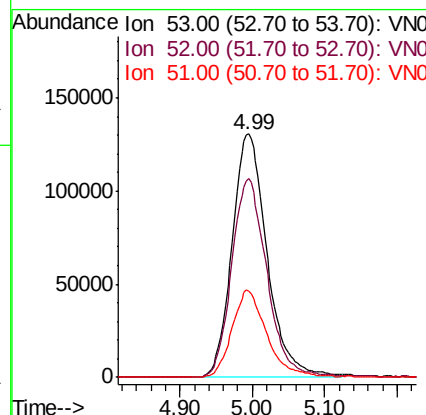
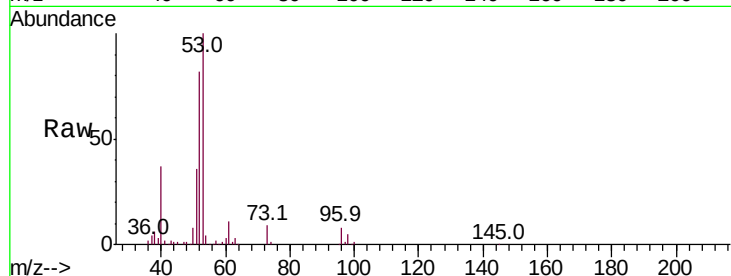
ClientSampled :

VN0319MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 439291 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.6  | 66.4  | 99.6   |
| 51        | 35.4  | 29.6  | 44.4   |

Manual Integrations  
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#16

Acetone

Concen: 58.963 ug/l

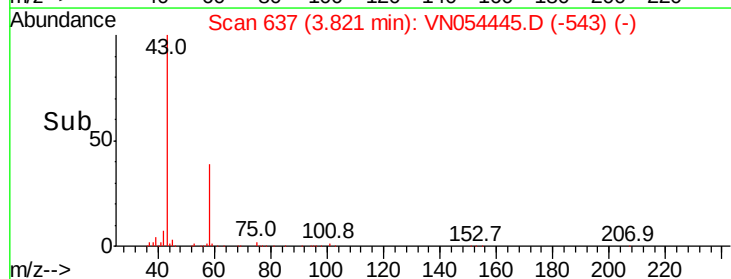
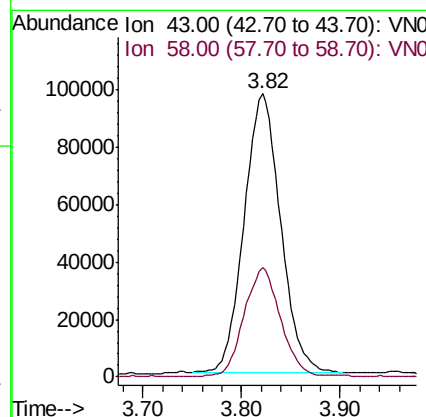
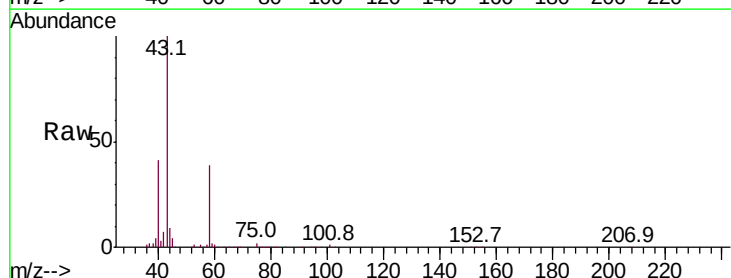
RT: 3.82 min Scan# 637

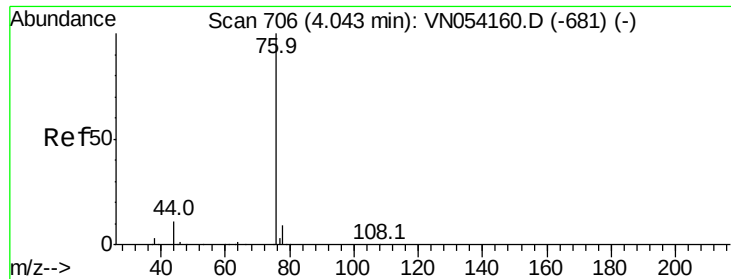
Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 248937 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 39.0  | 29.9  | 44.9   |





#17

Carbon Disulfide

Concen: 14.450 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 76 Resp: 522502

Ion Ratio Lower Upper

76 100

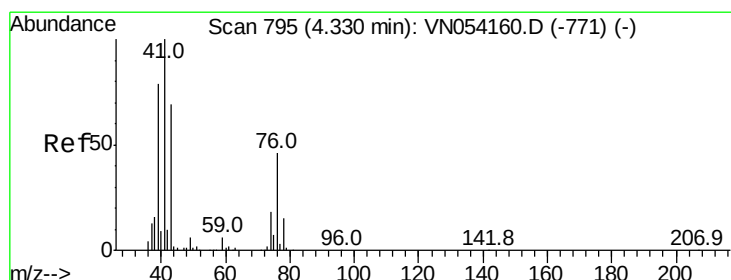
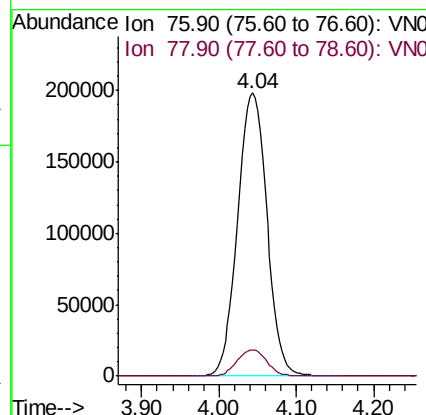
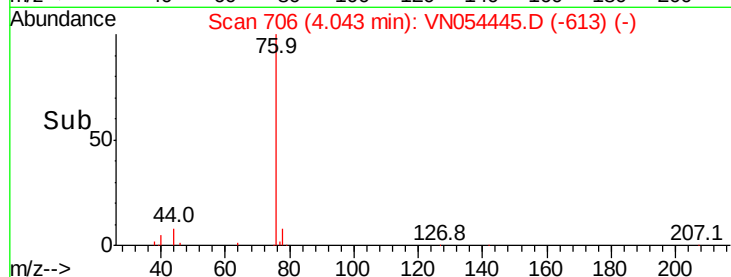
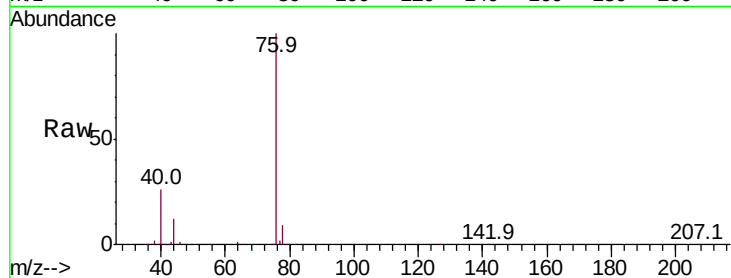
78 9.3 7.5 11.3

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#18

Methyl Acetate

Concen: 23.366 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054445.D

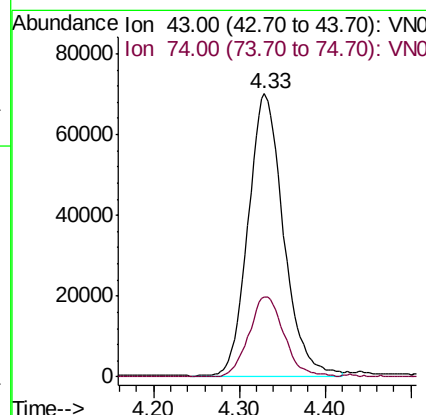
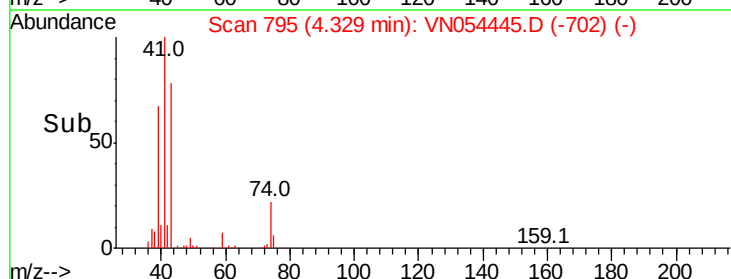
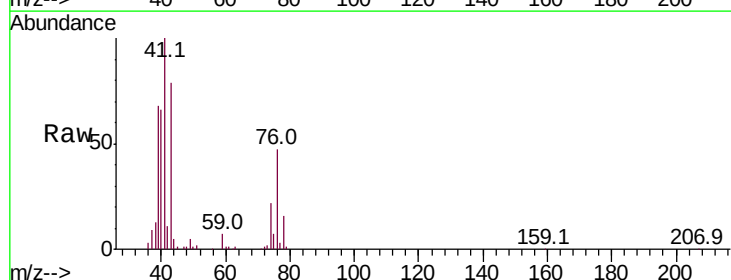
Acq: 19 Mar 2019 17:28

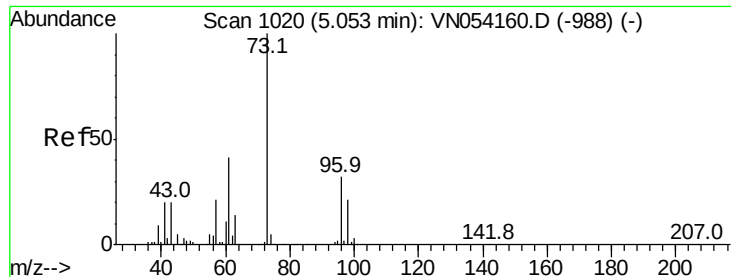
Tgt Ion: 43 Resp: 199588

Ion Ratio Lower Upper

43 100

74 28.5 20.8 31.2





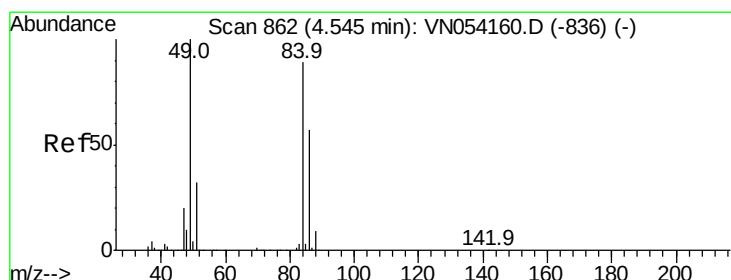
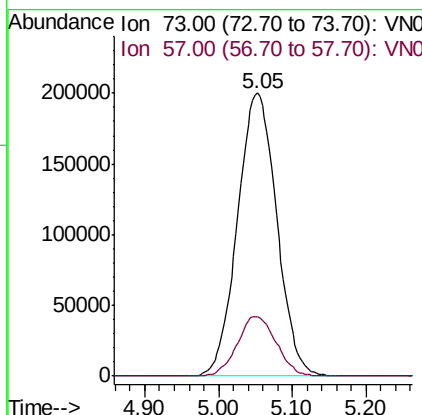
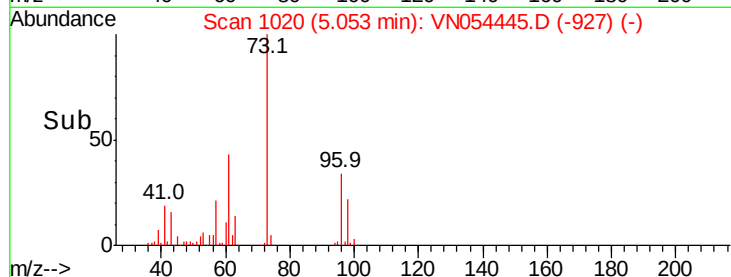
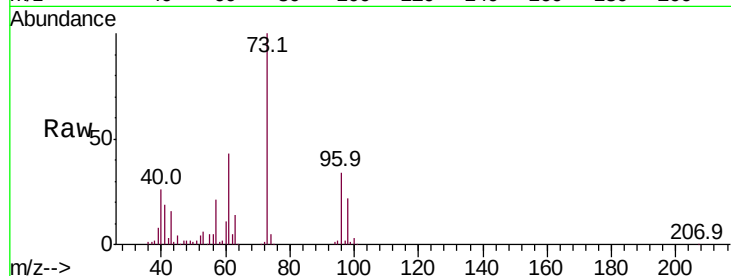
#19  
Methvl tert-butvl Ether  
Concen: 20.730 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

Tot Ion: 73 Resp: 741161  
Ion Ratio Lower Upper  
73 100  
57 20.8 16.8 25.2

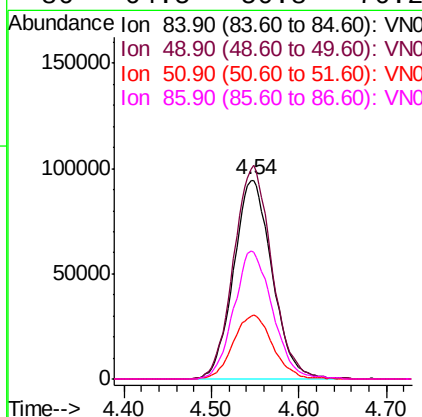
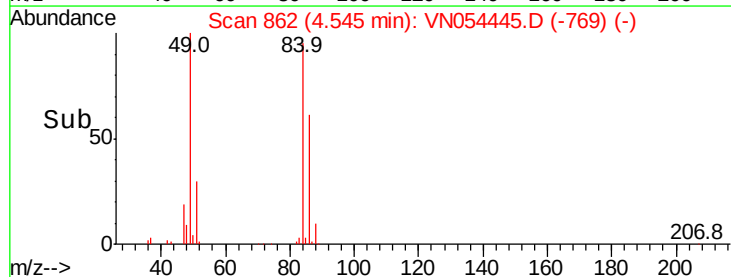
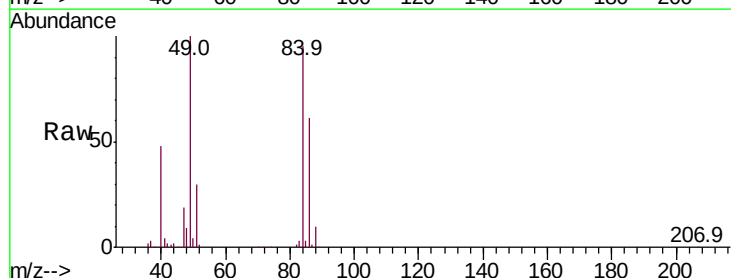
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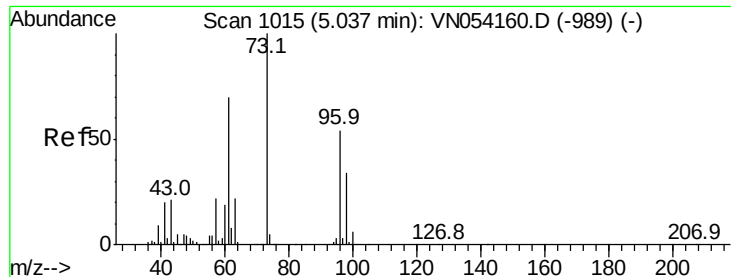
MMDadoda  
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#20  
Methylene Chloride  
Concen: 20.833 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Tgt Ion: 84 Resp: 288810  
Ion Ratio Lower Upper  
84 100  
49 105.7 89.7 134.5  
51 31.7 28.2 42.4  
86 64.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.983 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 96 Resp: 276172

Ion Ratio Lower Upper

96 100

61 122.6 102.8 154.2

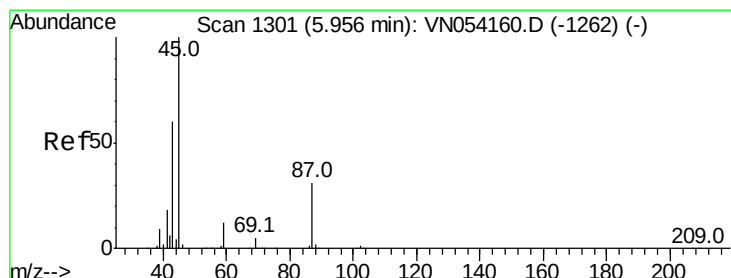
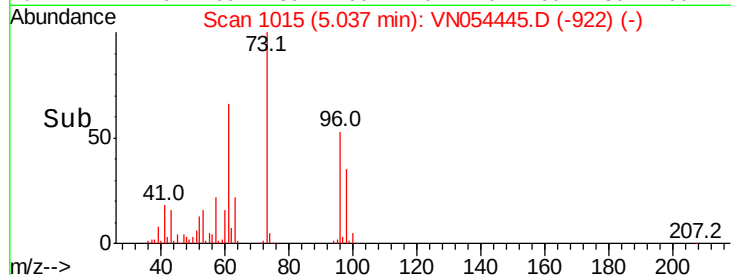
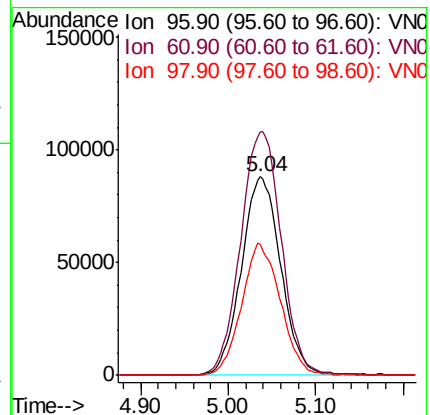
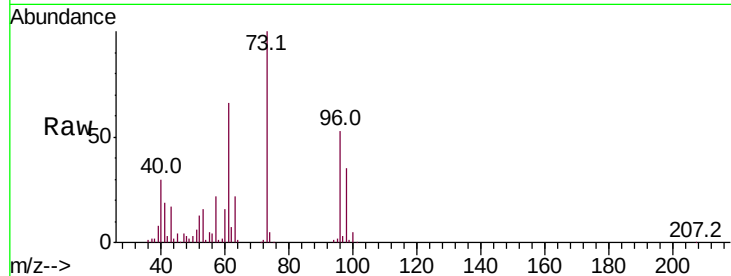
98 65.9 50.0 75.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.871 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Tgt Ion: 45 Resp: 770905

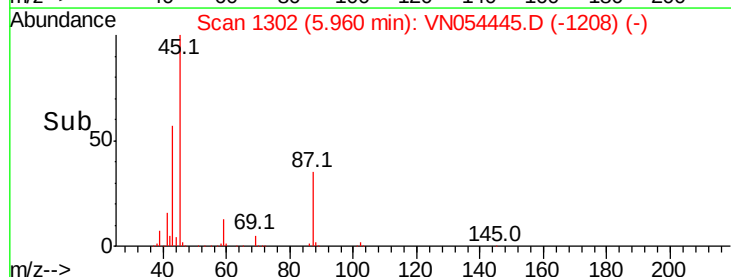
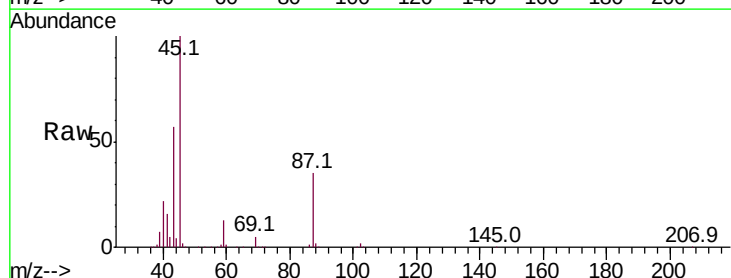
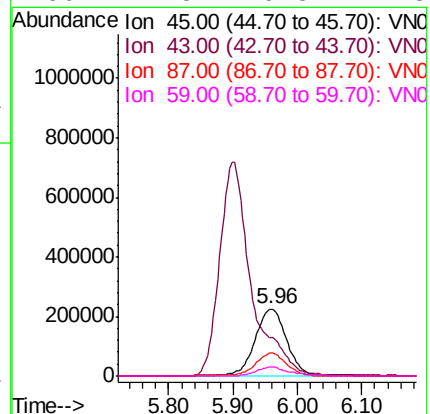
Ion Ratio Lower Upper

45 100

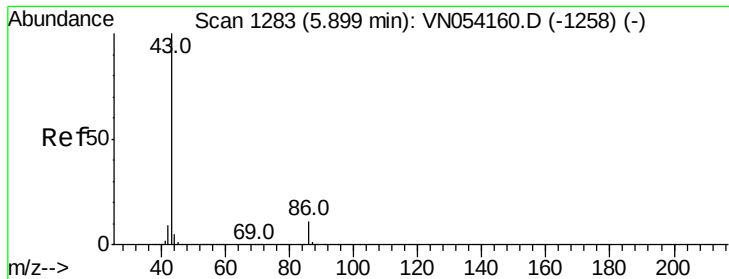
43 56.5 48.2 72.2

87 34.3 24.9 37.3

59 12.8 9.5 14.3







#23

Vinyl Acetate

Concen: 90.432 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 43 Resp: 2462783

Ion Ratio Lower Upper

43 100

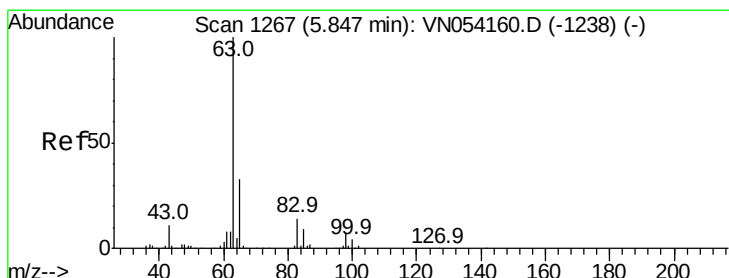
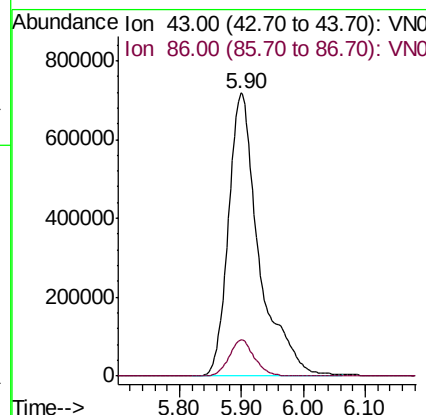
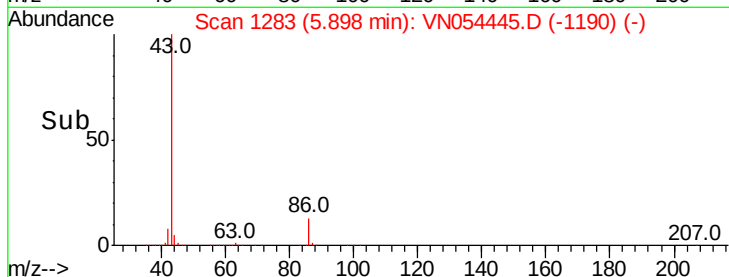
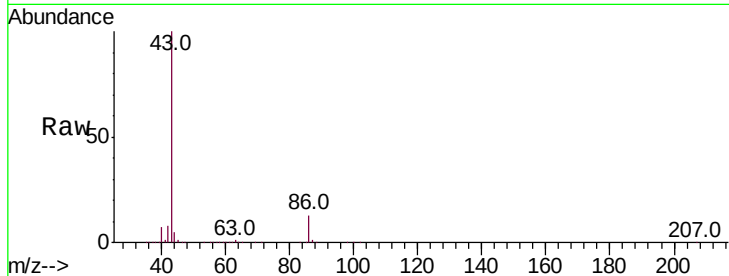
86 12.7 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.574 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

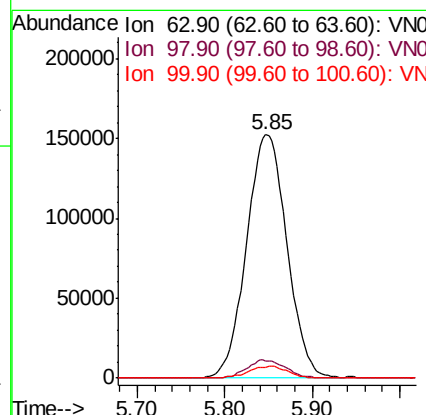
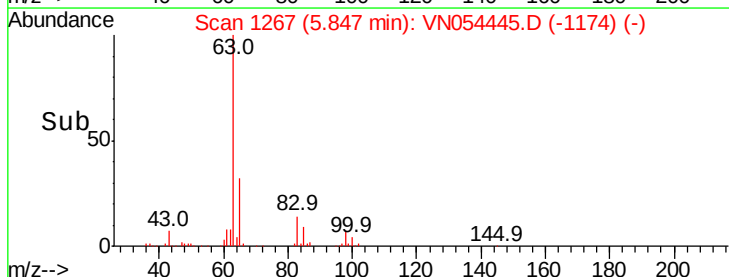
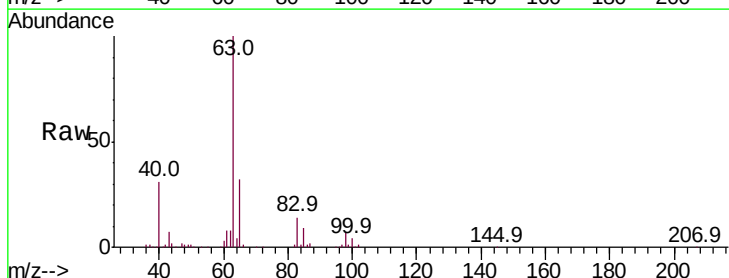
Tgt Ion: 63 Resp: 487946

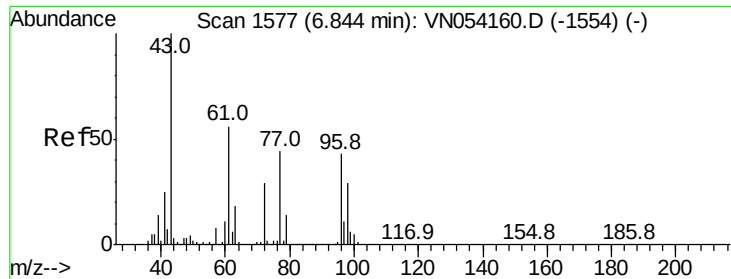
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.5 2.0 6.0





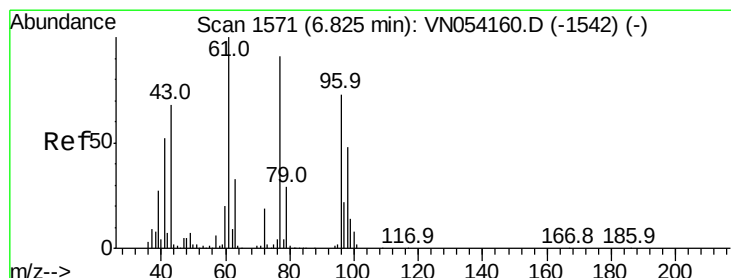
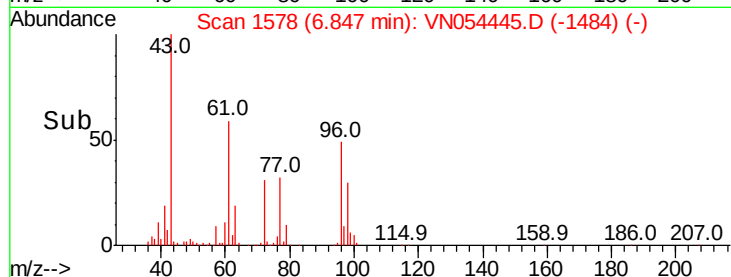
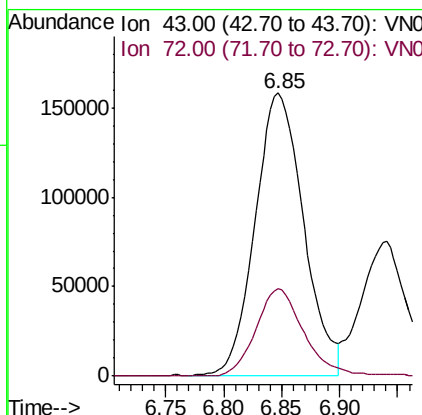
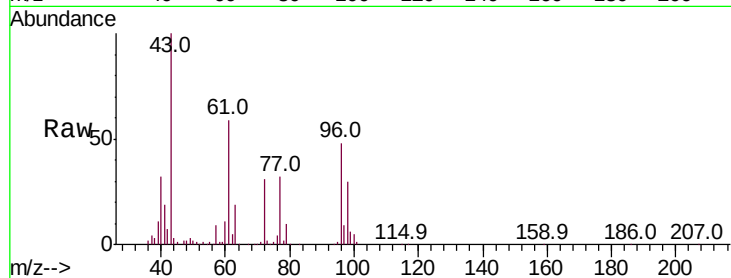
#25  
2-Butanone  
Concen: 92.262 ug/l  
RT: 6.85 min Scan# 1578  
Delta R.T. 0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

Tot Ion: 43 Resp: 457180  
Ion Ratio Lower Upper  
43 100  
72 30.9 23.0 34.6

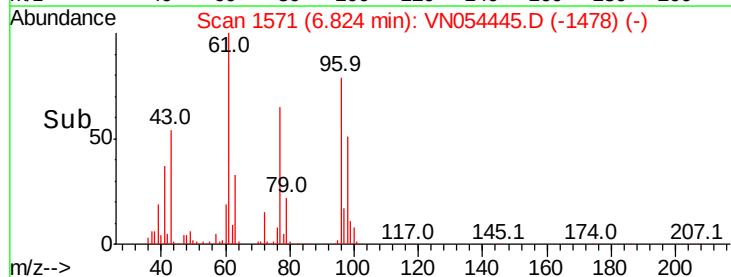
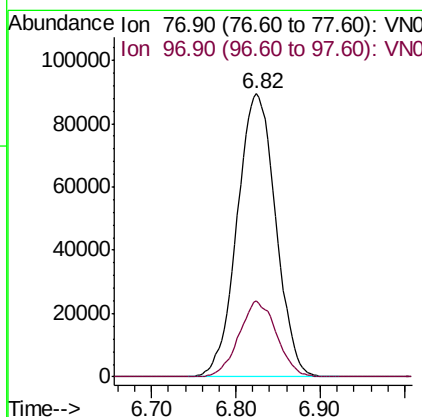
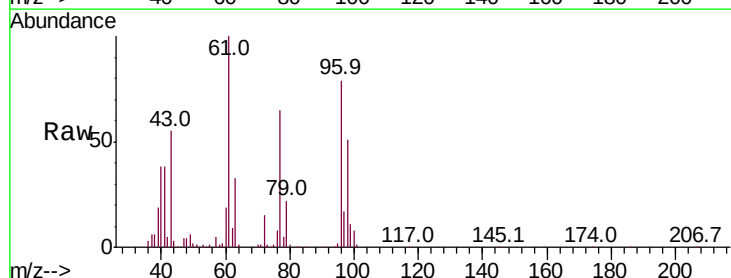
Manual Integrations  
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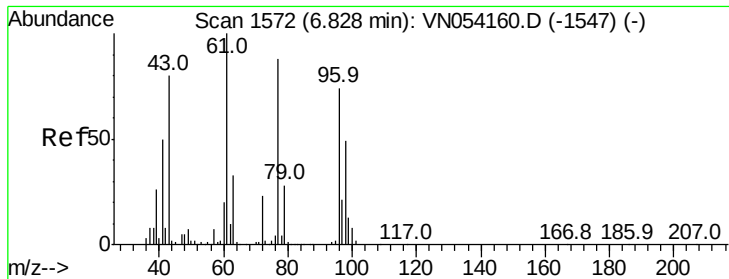
MMDadoda  
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#26  
2,2-Dichloropropane  
Concen: 13.634 ug/l  
RT: 6.82 min Scan# 1571  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Tgt Ion: 77 Resp: 284346  
Ion Ratio Lower Upper  
77 100  
97 26.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.283 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

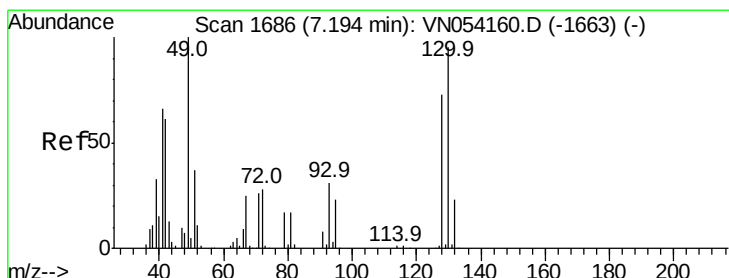
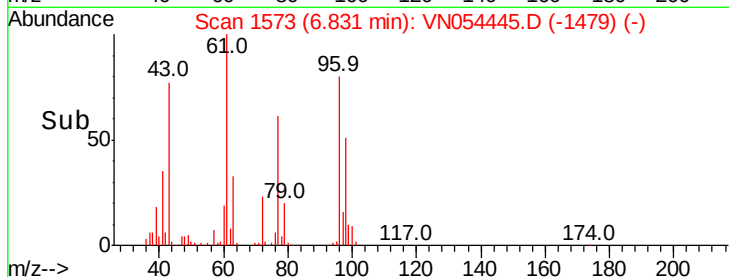
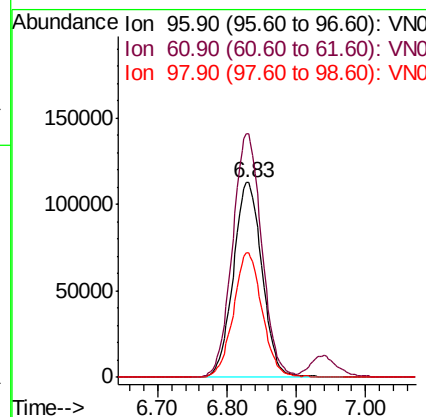
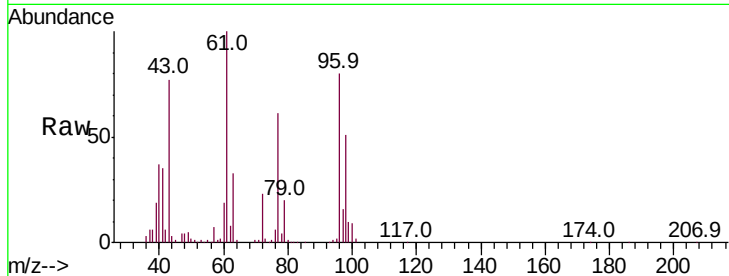
ClientSampleId :

VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 126.5 | 0.0   | 273.0 |
| 98      | 63.5  | 0.0   | 130.6 |

Manual Integrations  
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#28

Bromochloromethane

Concen: 19.354 ug/l

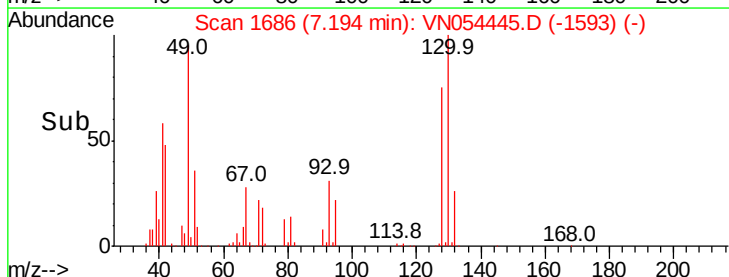
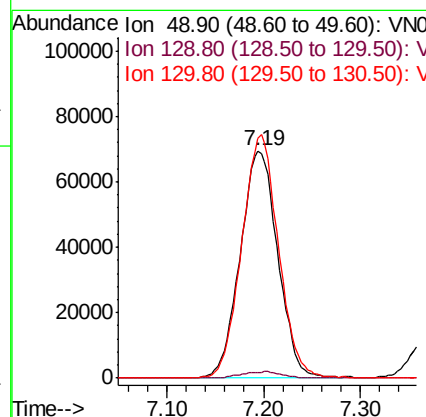
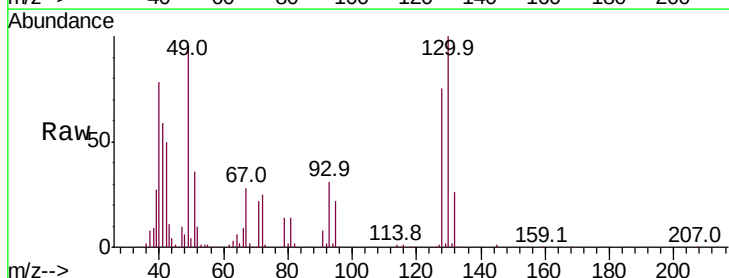
RT: 7.19 min Scan# 1686

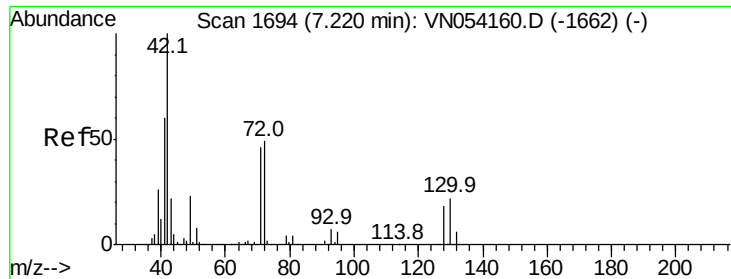
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 3.1   | 0.0   | 4.6   |
| 130     | 104.7 | 76.7  | 115.1 |





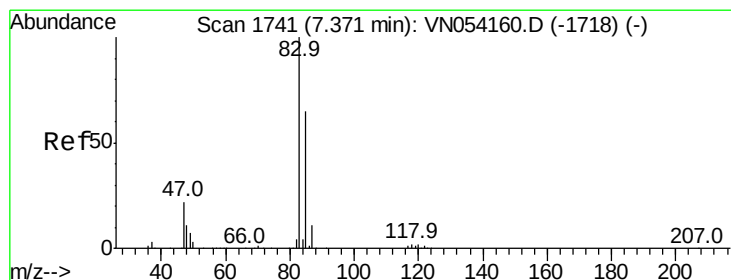
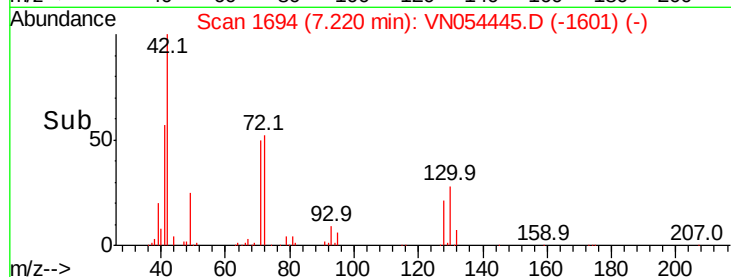
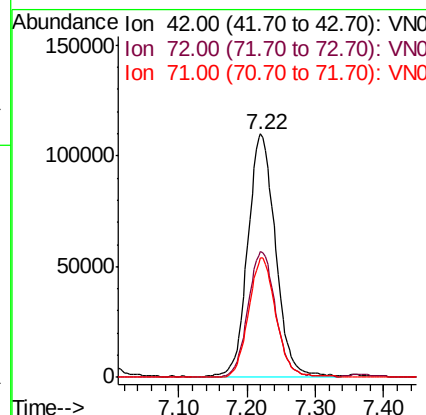
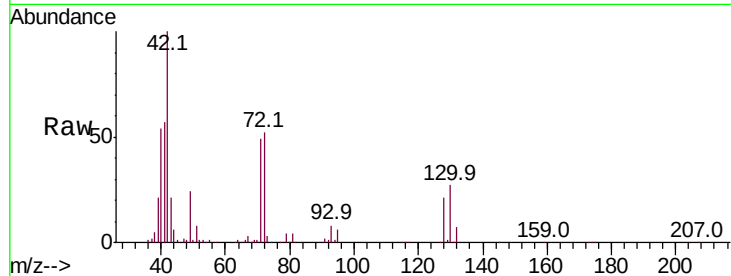
#29  
Tetrahydrofuran  
Concen: 96.913 ug/l  
RT: 7.22 min Scan# 1694  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 51.9  | 37.8  | 56.6  |
| 71      | 48.3  | 36.2  | 54.2  |

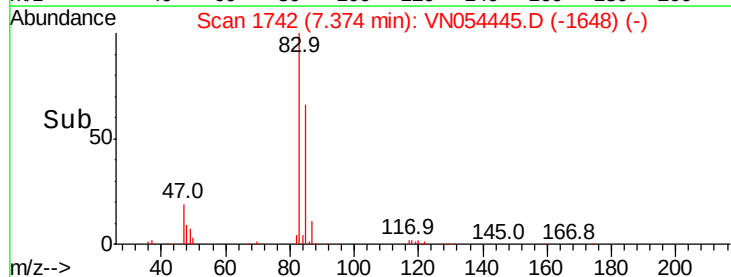
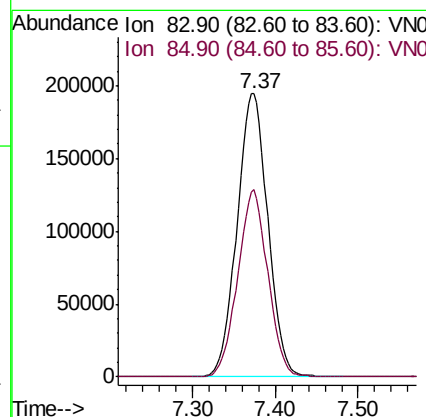
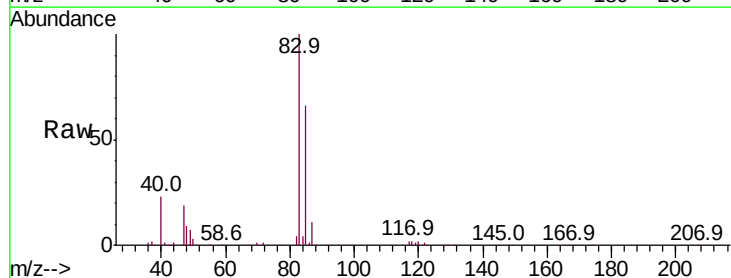
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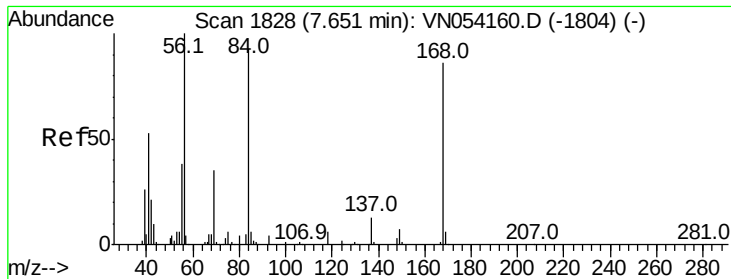
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#30  
Chloroform  
Concen: 20.342 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.1  | 52.2  | 78.4  |





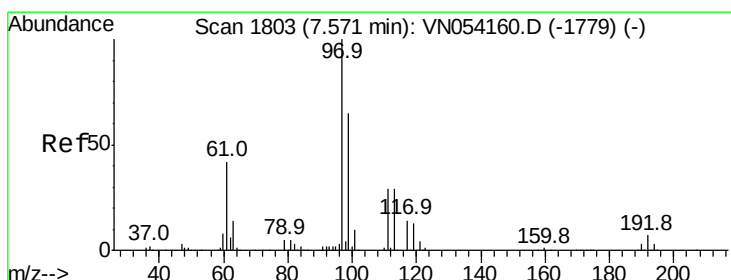
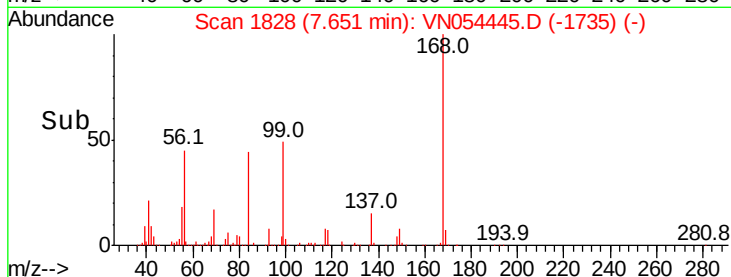
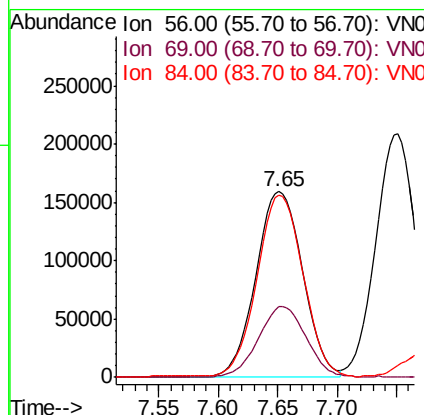
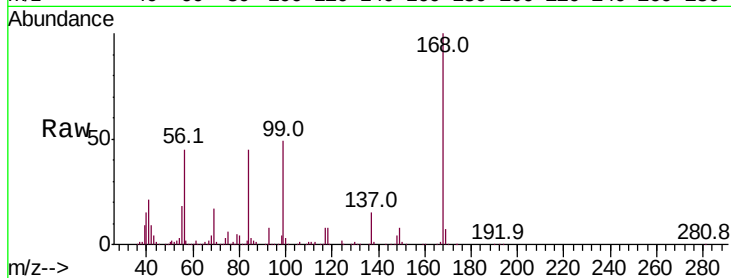
#31  
Cyclohexane  
Concen: 18.882 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.7  | 27.8  | 41.6  |
| 84      | 97.4  | 74.6  | 111.8 |

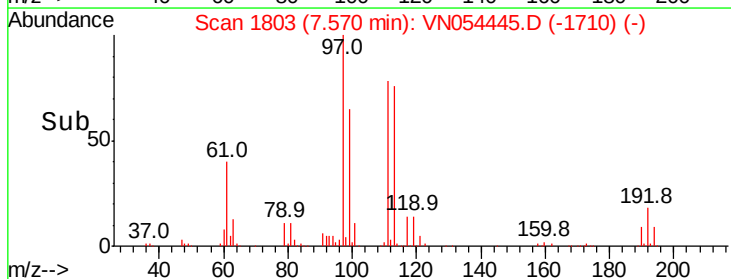
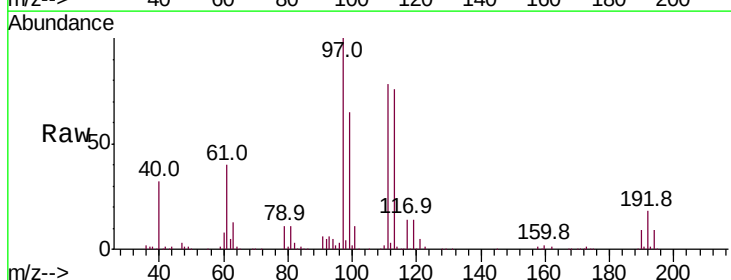
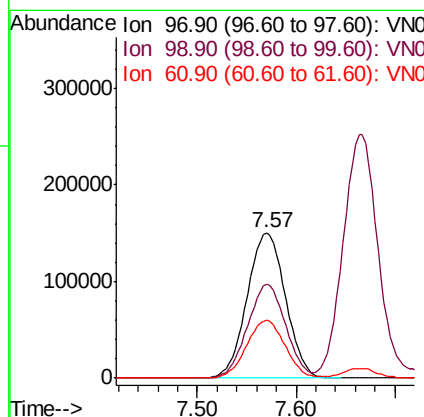
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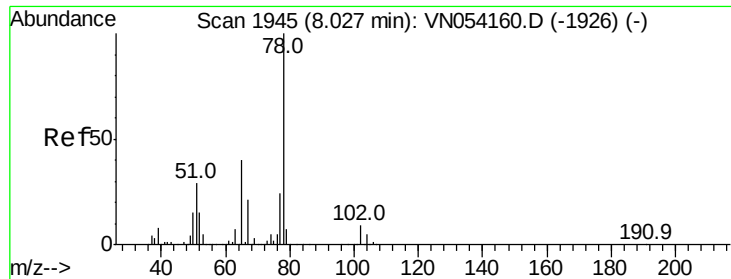
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 18.074 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.3  | 51.5  | 77.3  |
| 61      | 40.0  | 33.6  | 50.4  |





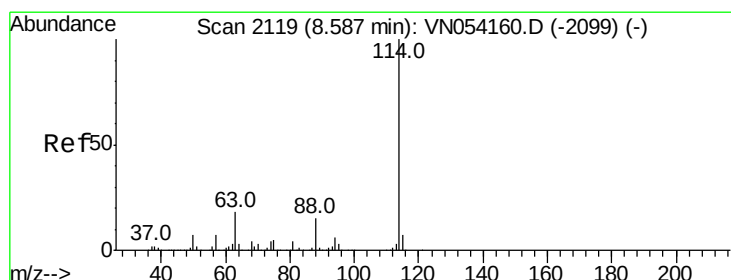
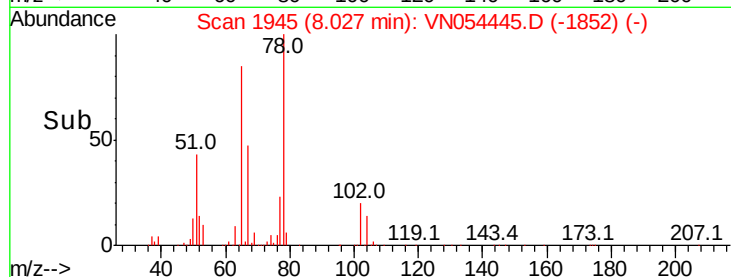
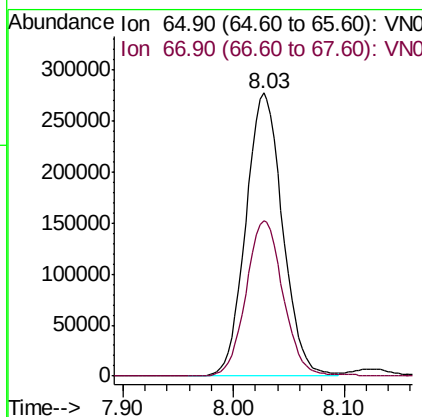
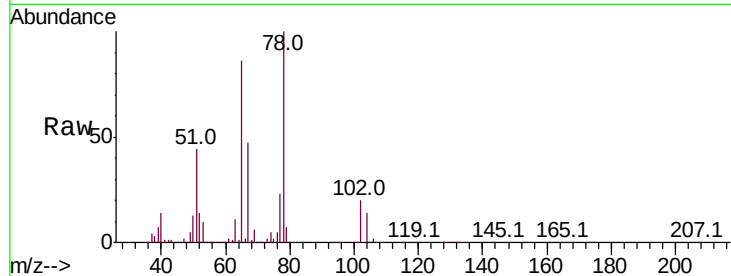
#33  
 1,2-Dichloroethane-d4  
 Concen: 43.438 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 55.4  | 0.0   | 104.6 |

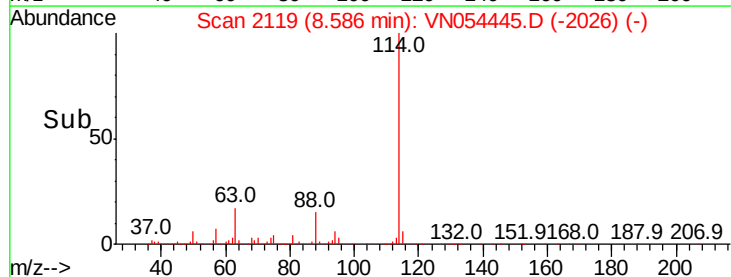
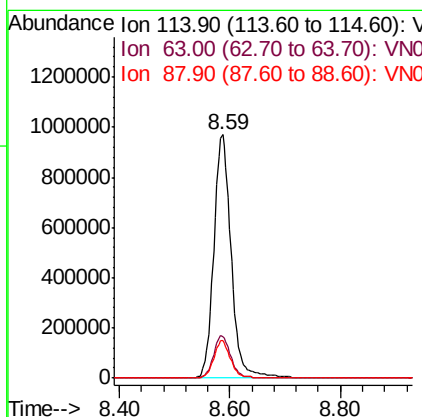
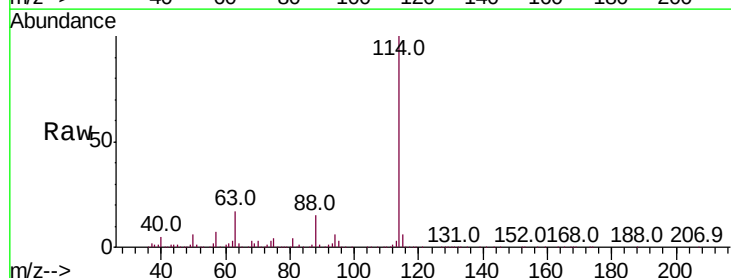
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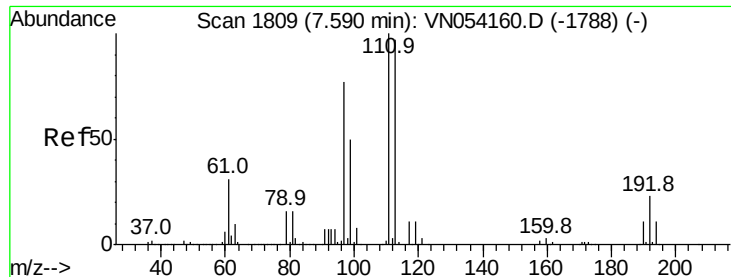
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.2  | 0.0   | 35.2  |
| 88      | 15.4  | 0.0   | 30.2  |





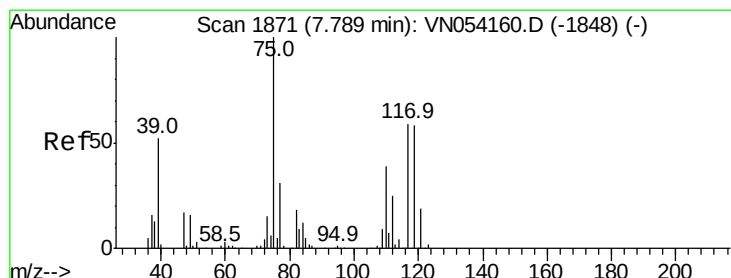
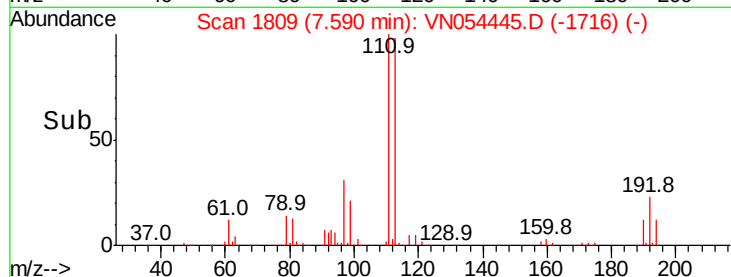
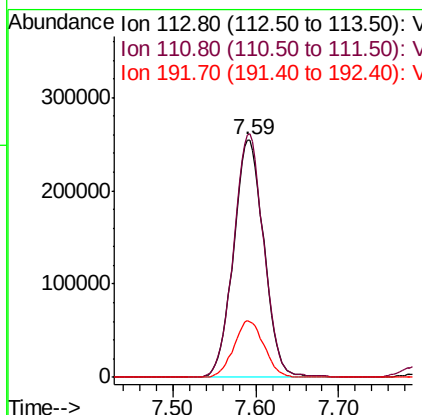
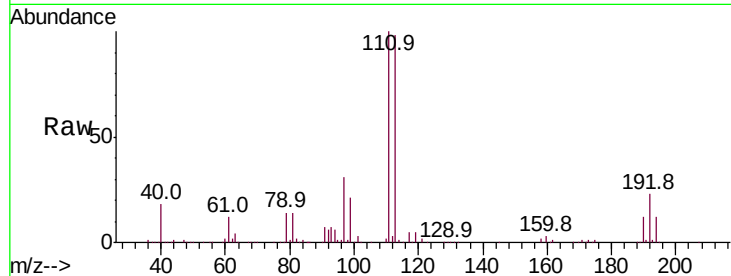
#35  
 Dibromofluoromethane  
 Concen: 47.664 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 82.2  | 123.4 |
| 192     | 23.8  | 19.2  | 28.8  |

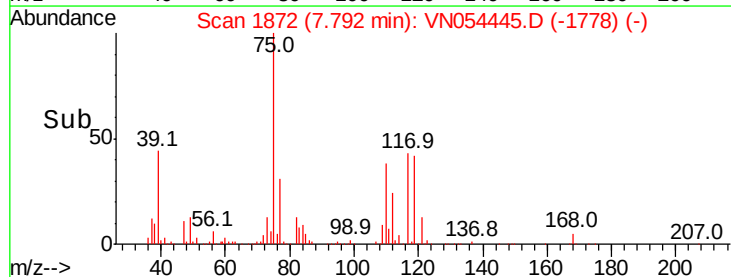
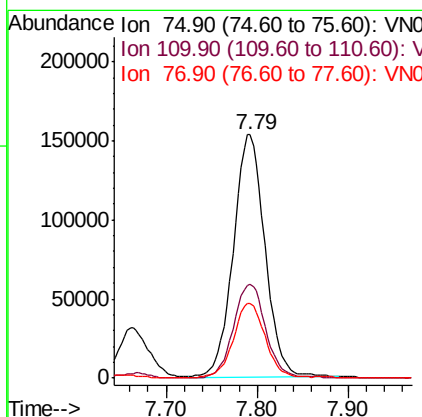
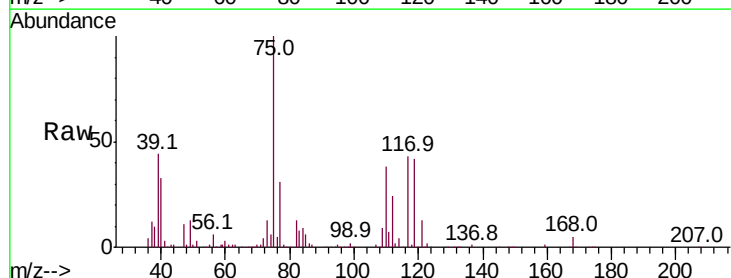
Manual Integrations  
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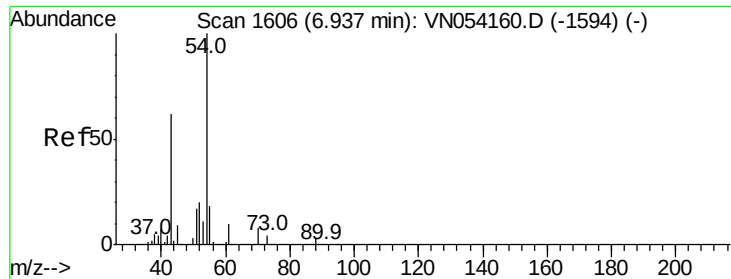
MMDadoda  
 3/20/2019 12:21:51 PM



#36  
 1,1-Dichloropropene  
 Concen: 19.036 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 39.8  | 19.1  | 57.5  |
| 77      | 31.4  | 25.0  | 37.4  |





#37

Ethyl Acetate

Concen: 18.191 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

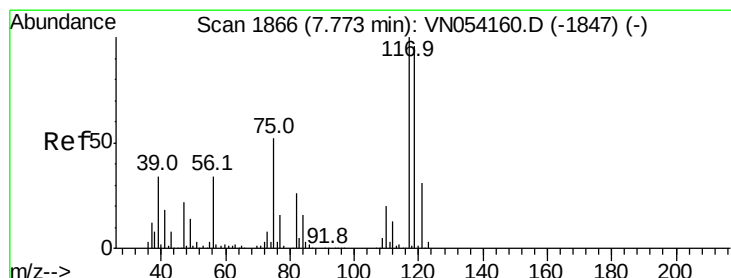
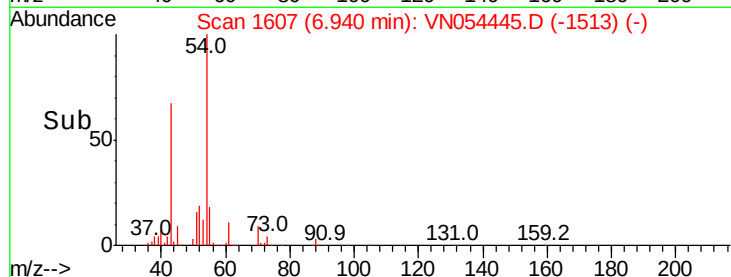
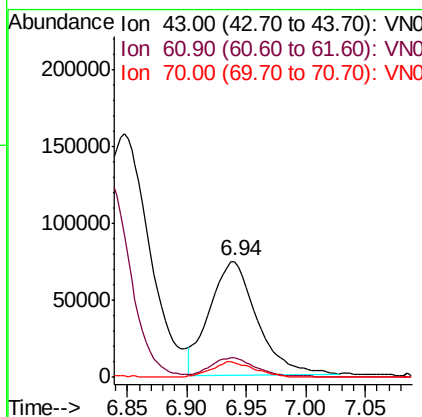
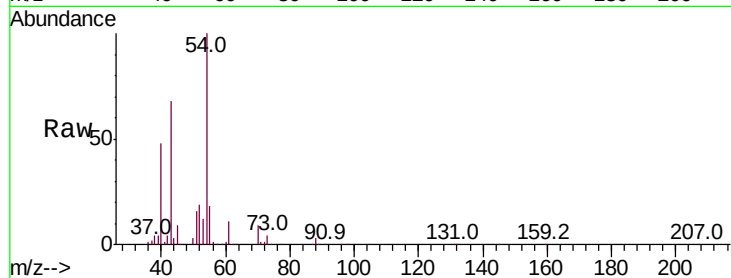
ClientSampleId :

VN0319MBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 203310 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 16.5  | 11.8  | 17.6   |
| 70       | 12.7  | 8.4   | 12.6   |

Manual Integrations  
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#38

Carbon Tetrachloride

Concen: 16.834 ug/l

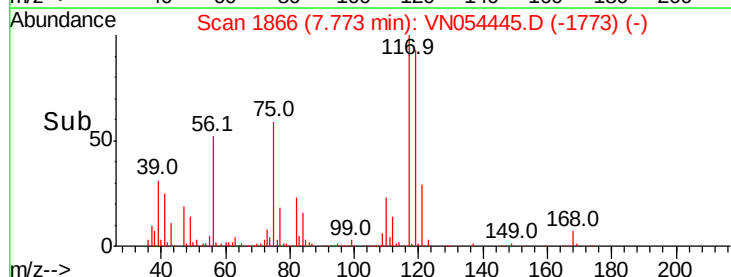
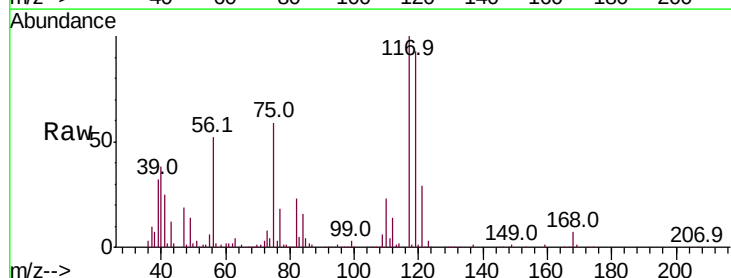
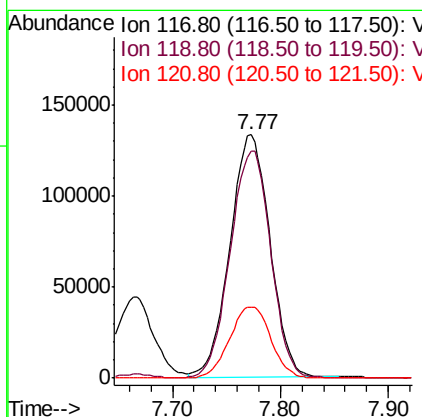
RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

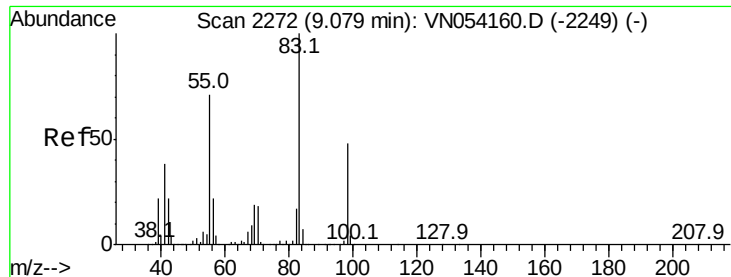
Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 343386 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.5  | 76.3  | 114.5  |
| 121      | 29.4  | 24.6  | 36.8   |







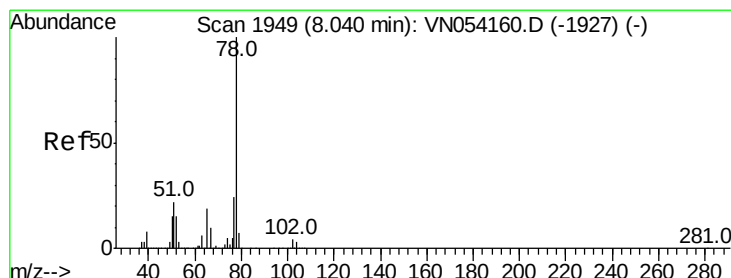
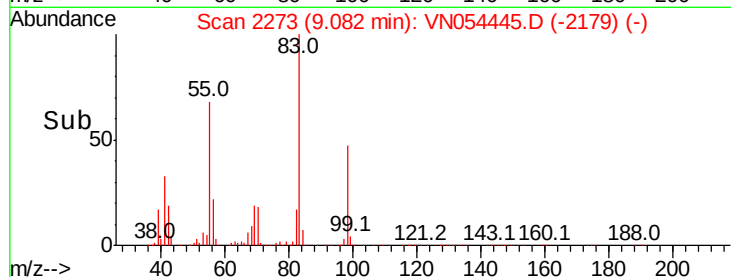
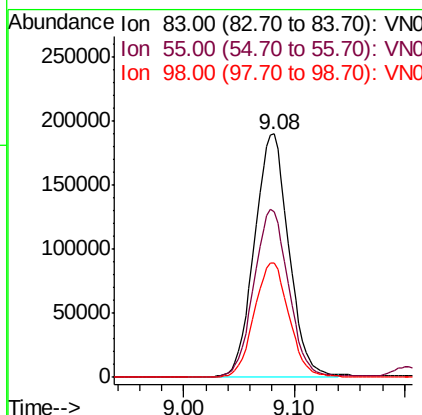
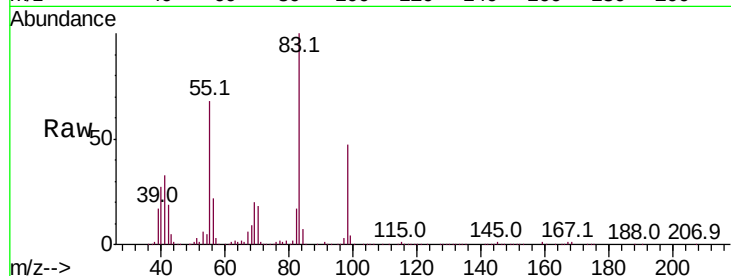
#39  
Methylvlcyclohexane  
Concen: 17.089 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 68.0  | 56.6  | 84.8  |
| 98      | 47.0  | 38.4  | 57.6  |

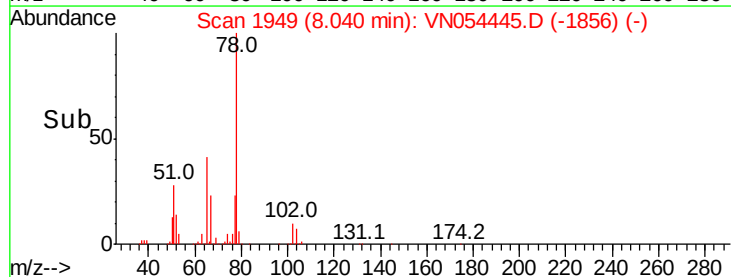
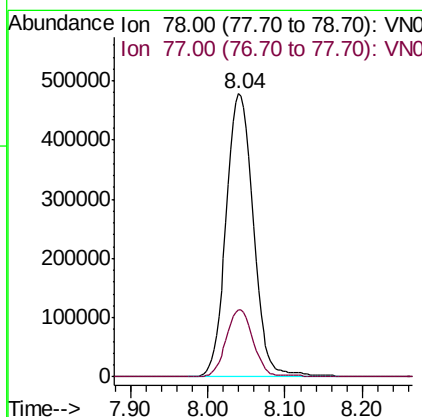
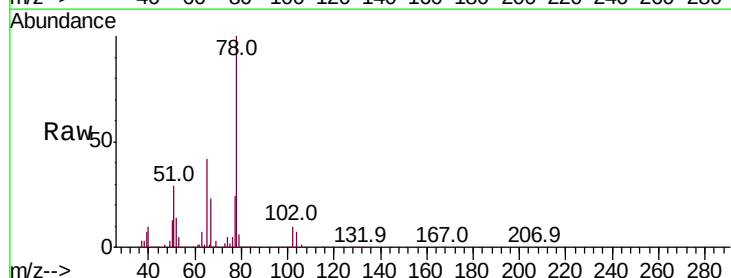
Manual Integrations  
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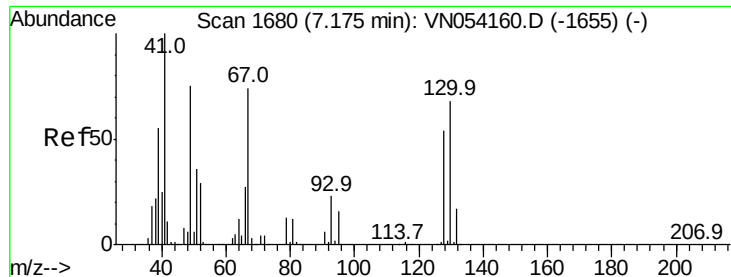
MMDadoda  
3/20/2019 12:21:51 PM



#40  
Benzene  
Concen: 21.028 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 19.1  | 28.7  |





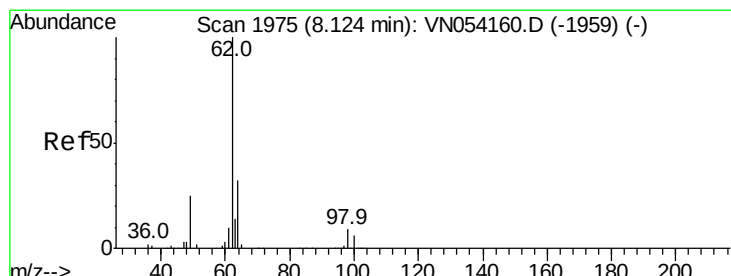
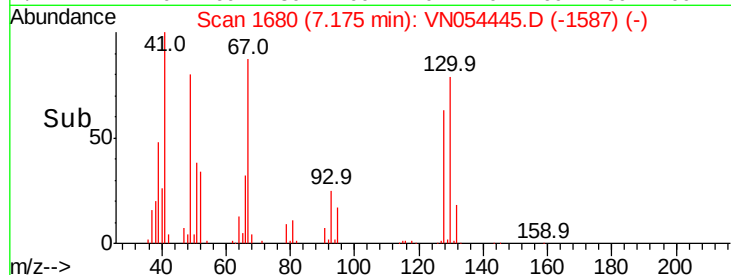
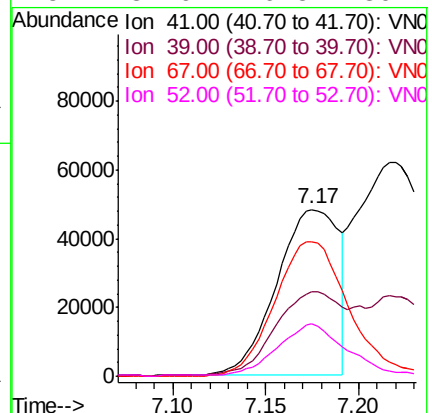
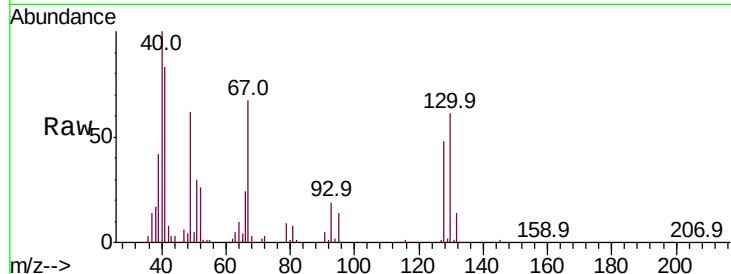
#41  
Methacrylonitrile  
Concen: 17.615 ug/l  
RT: 7.17 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.3  | 46.8  | 70.2  |
| 67      | 97.2  | 67.0  | 100.4 |
| 52      | 34.9  | 26.5  | 39.7  |

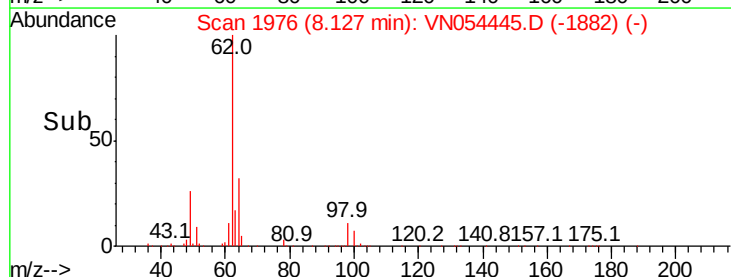
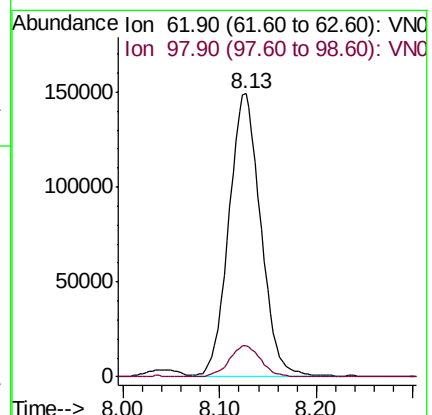
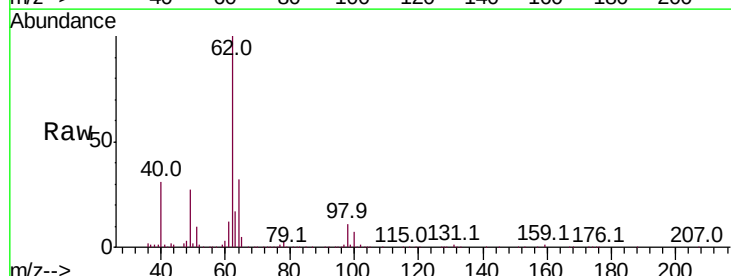
Manual Integrations  
APPROVED

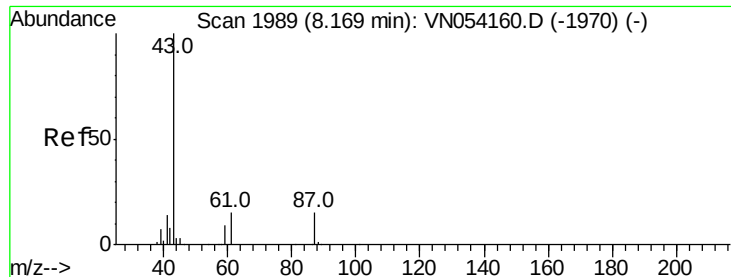
MMDadoda  
3/20/2019 12:21:51 PM



#42  
1,2-Dichloroethane  
Concen: 18.107 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.9  | 0.0   | 18.4  |





#43

Isopropyl Acetate

Concen: 17.247 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

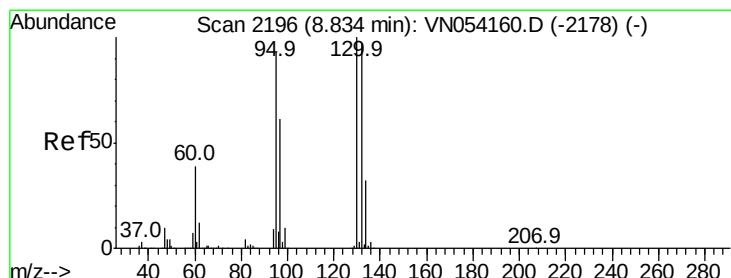
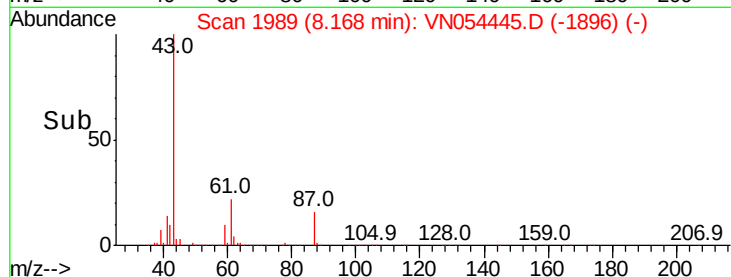
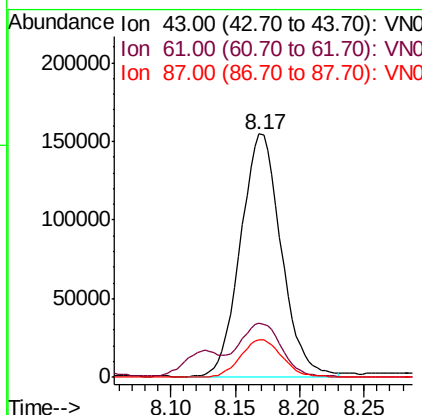
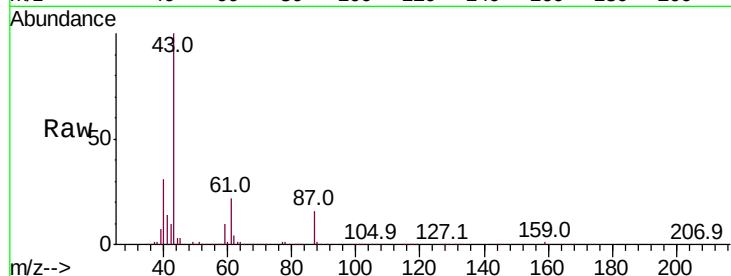
ClientSampleId :

VN0319MBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 338341 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 22.5  | 15.8  | 23.8   |
| 87       | 16.2  | 12.0  | 18.0   |

Manual Integrations  
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#44

Trichloroethene

Concen: 20.055 ug/l

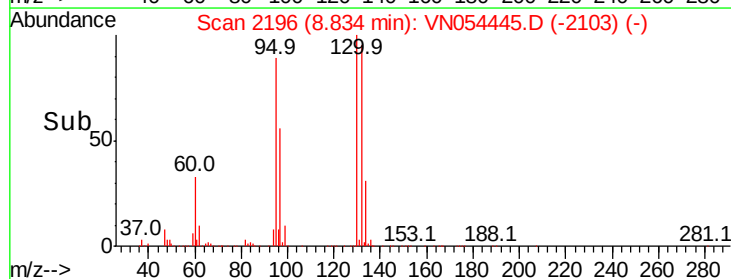
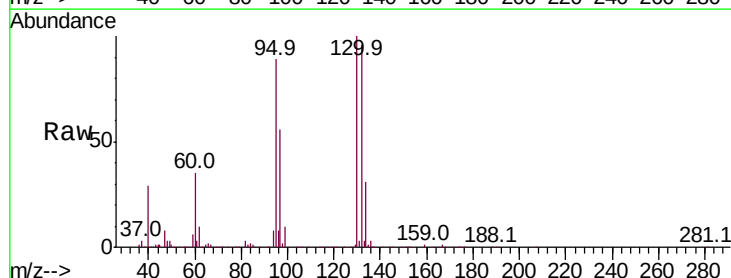
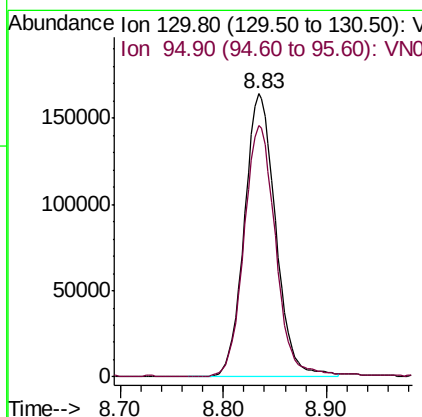
RT: 8.83 min Scan# 2196

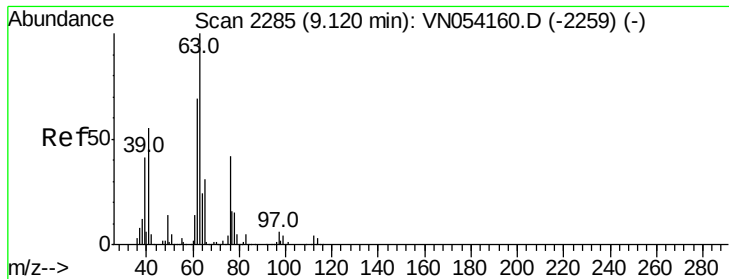
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 346779 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 88.7  | 0.0   | 185.2  |





#45

1,2-Dichloropropane

Concen: 21.160 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 63 Resp: 292459

Ion Ratio Lower Upper

63 100

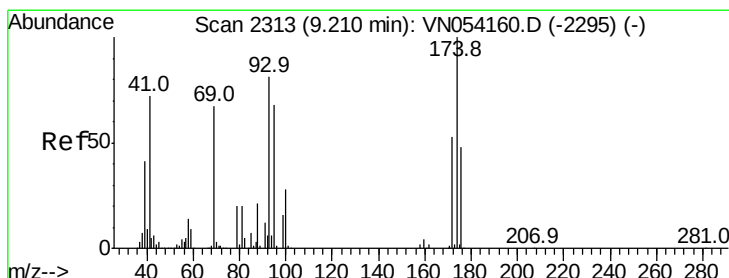
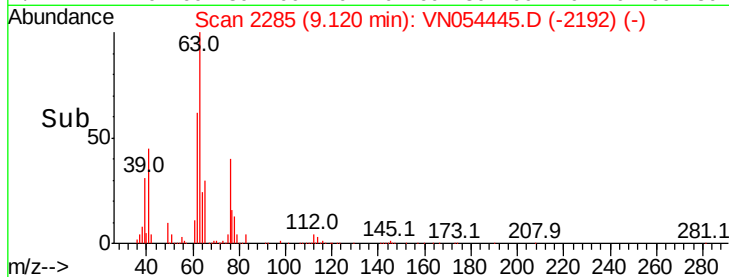
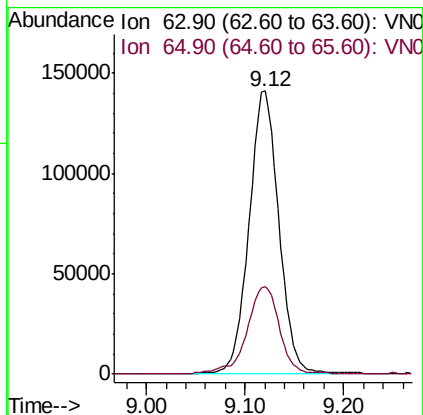
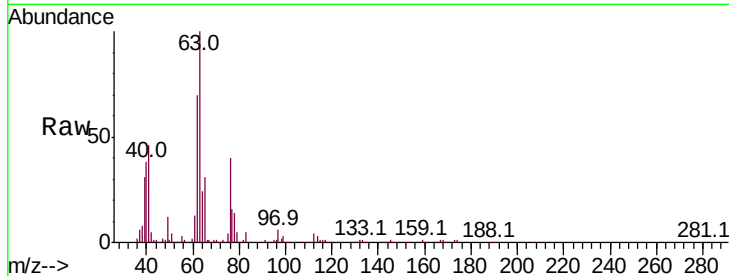
65 30.6 25.0 37.6

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#46

Dibromomethane

Concen: 18.955 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

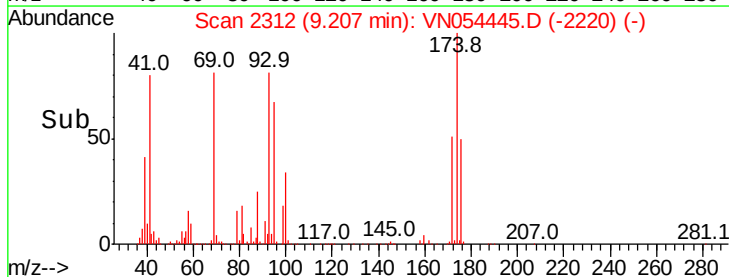
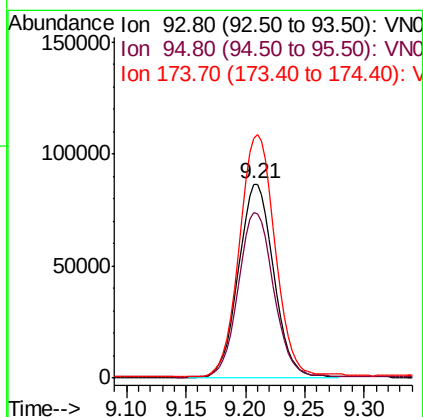
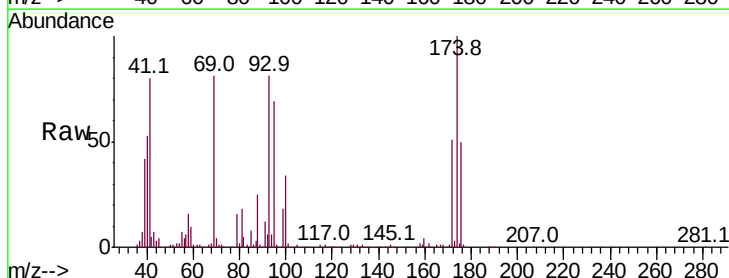
Tgt Ion: 93 Resp: 177015

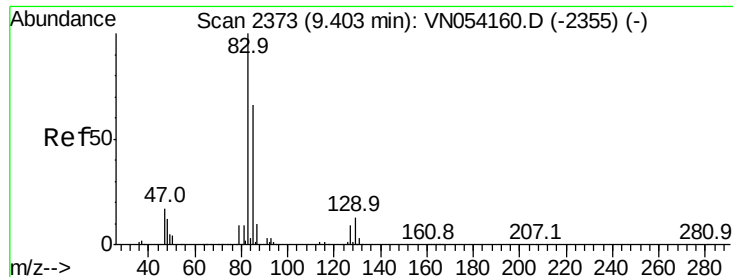
Ion Ratio Lower Upper

93 100

95 85.8 66.7 100.1

174 126.1 98.5 147.7





#47

Bromodichloromethane

Concen: 18.016 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

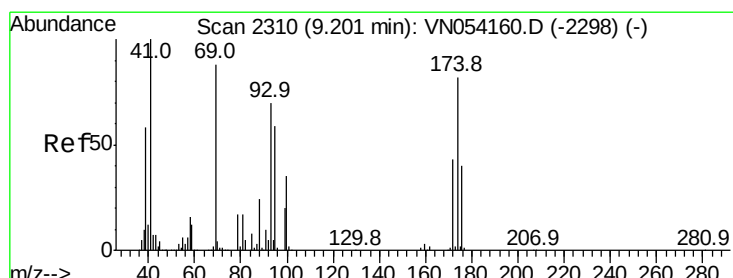
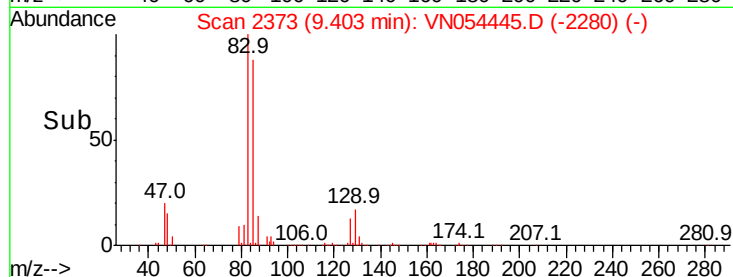
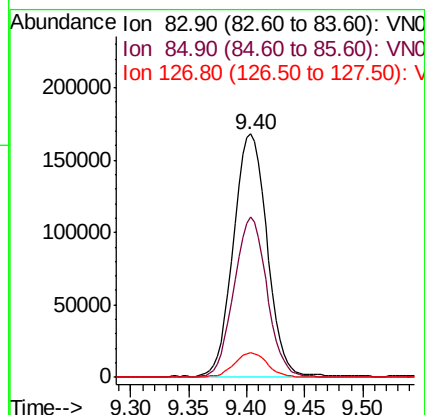
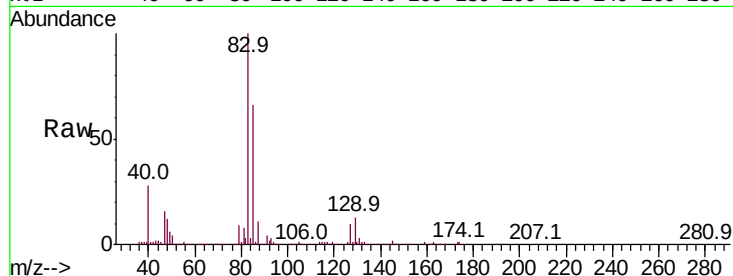
ClientSampleId :

VN0319MBSD01

| Tot Ion | 83    | Resp  | 337279 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 85      | 65.8  | 52.8  | 79.2   |
| 127     | 9.8   | 7.4   | 11.2   |

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#48

Methyl methacrylate

Concen: 18.517 ug/l

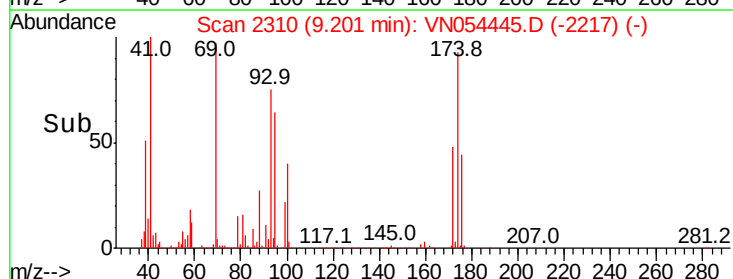
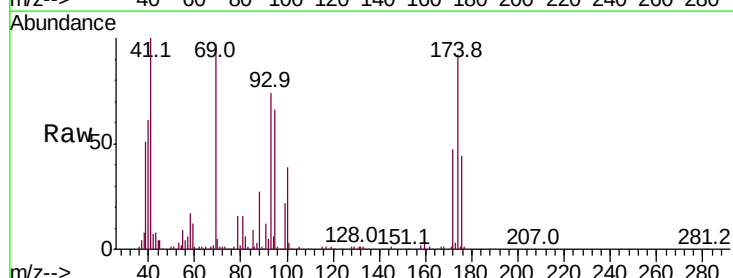
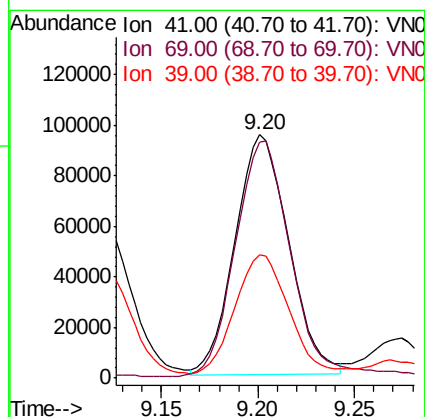
RT: 9.20 min Scan# 2310

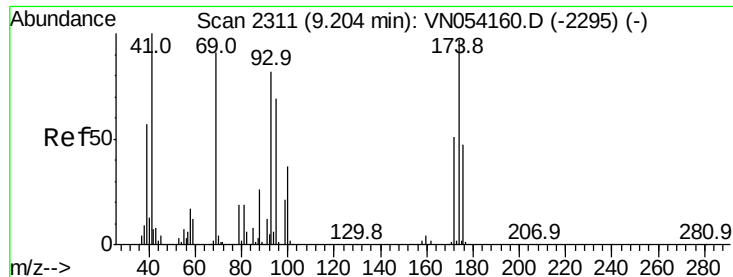
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

| Tgt Ion | 41    | Resp  | 184355 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 69      | 101.5 | 72.6  | 108.8  |
| 39      | 51.7  | 47.5  | 71.3   |





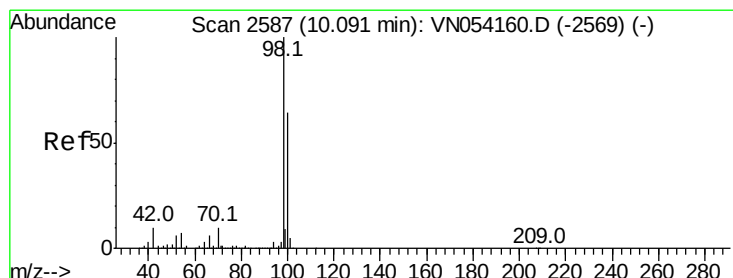
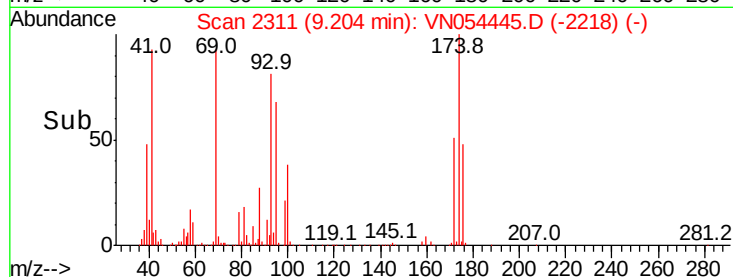
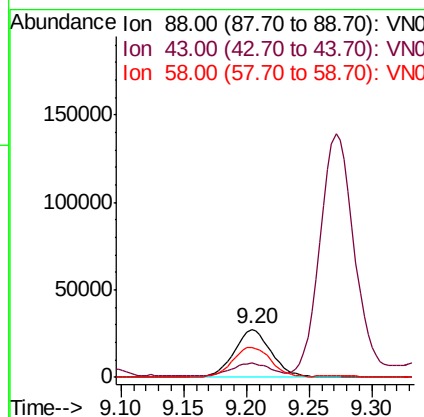
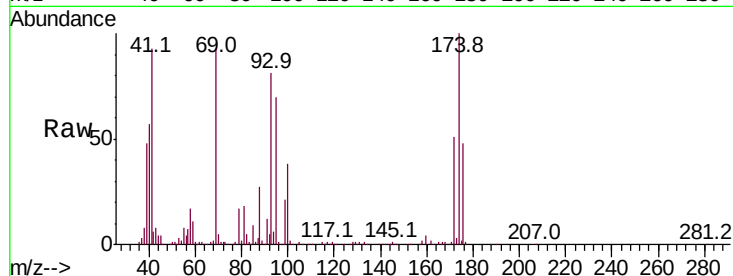
#49  
1,4-Dioxane  
Concen: 399.226 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 26.8  | 24.1  | 36.1  |
| 58      | 65.3  | 50.8  | 76.2  |

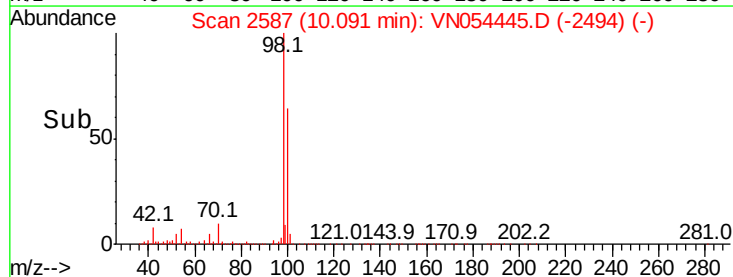
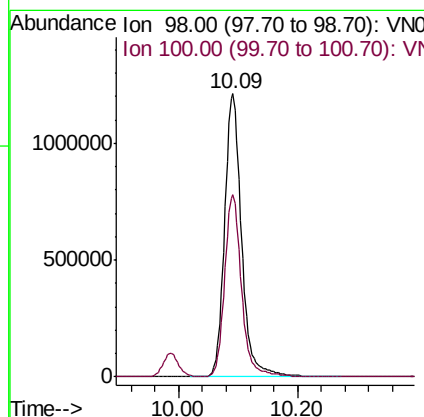
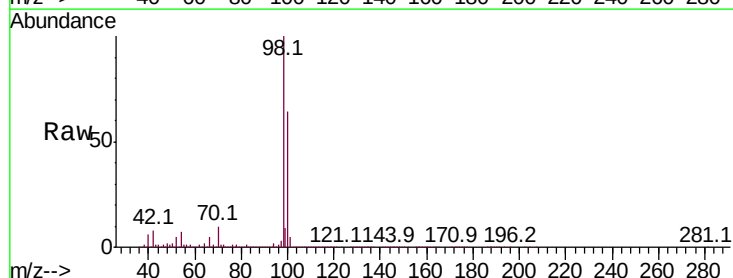
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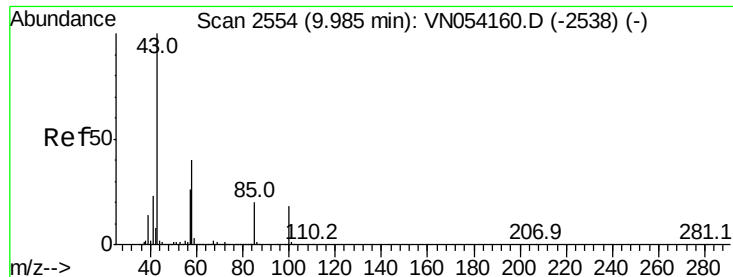
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#50  
Toluene-d8  
Concen: 47.534 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 51.2  | 76.8  |





#51

4-Methyl-2-Pentanone

Concen: 96.690 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 43 Resp: 1003822

Ion Ratio Lower Upper

43 100

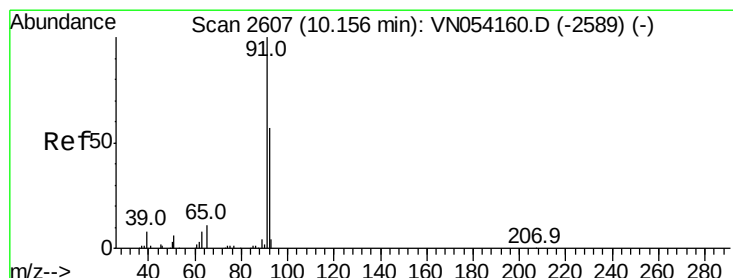
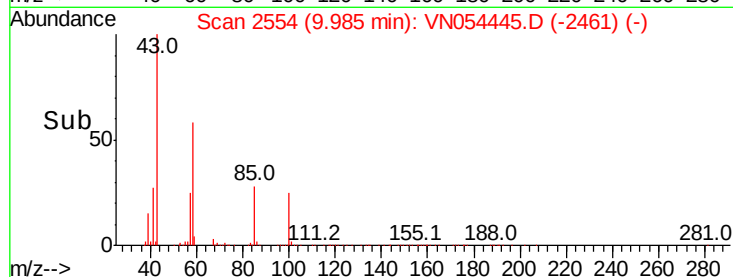
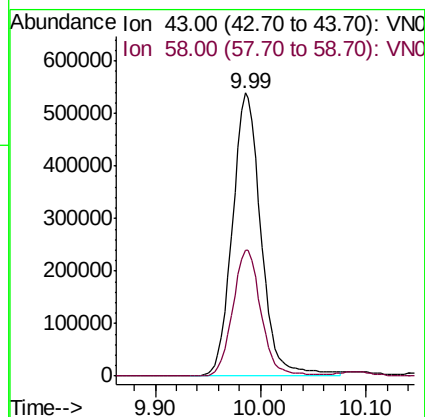
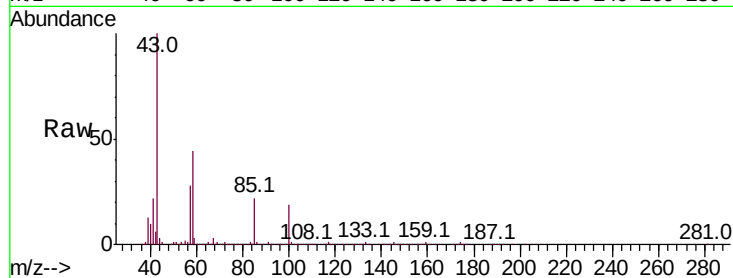
58 44.5 31.8 47.6

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#52

Toluene

Concen: 20.473 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054445.D

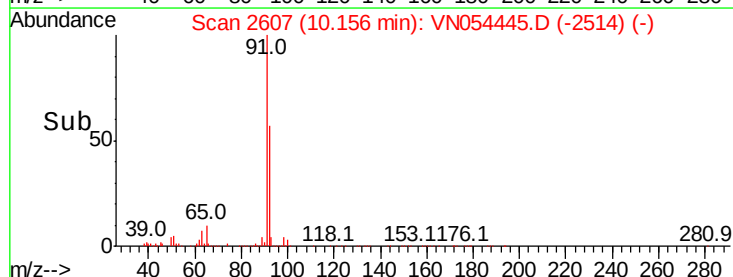
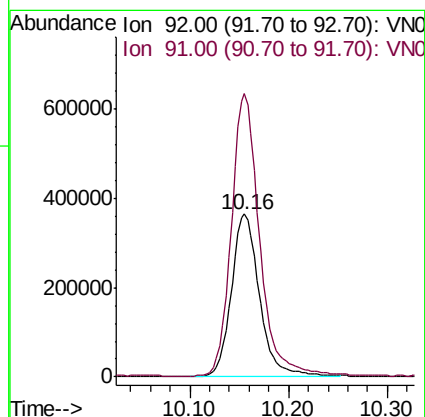
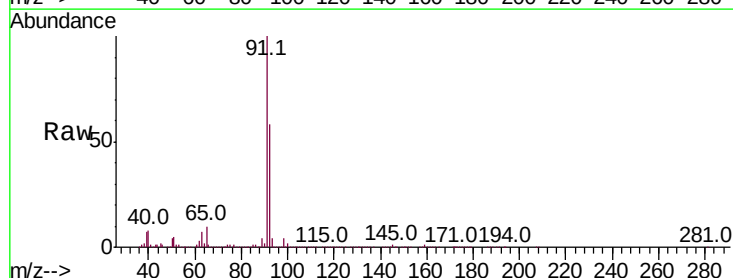
Acq: 19 Mar 2019 17:28

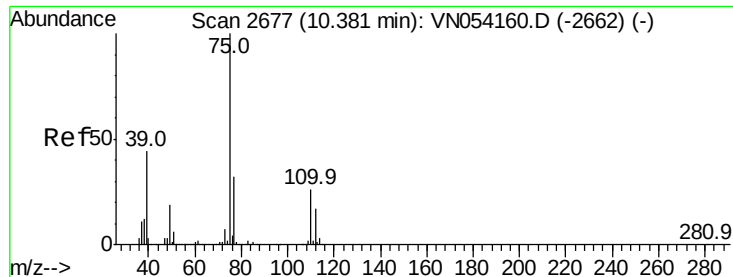
Tgt Ion: 92 Resp: 722565

Ion Ratio Lower Upper

92 100

91 174.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 15.456 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 75 Resp: 300361

Ion Ratio Lower Upper

75 100

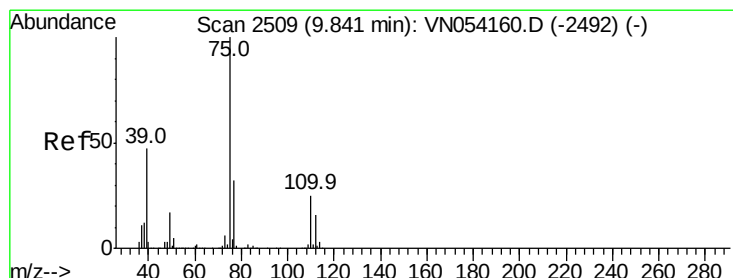
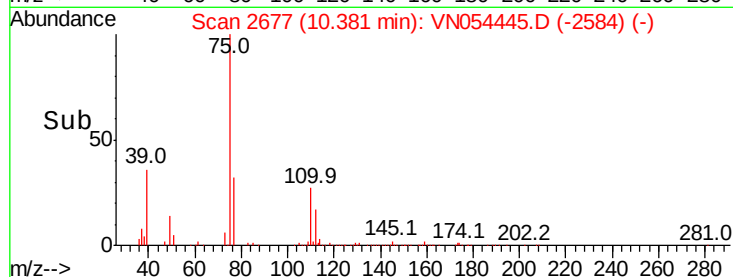
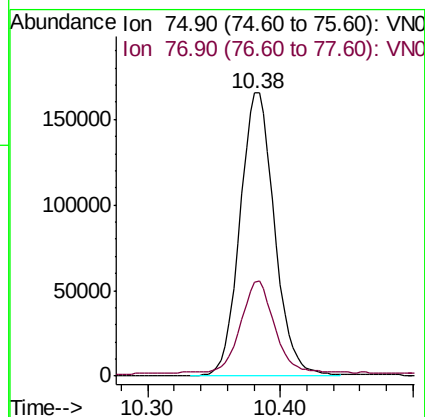
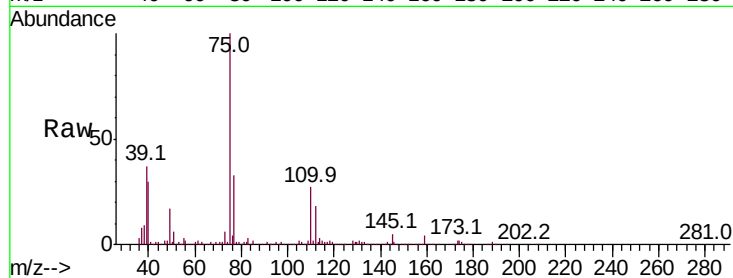
77 31.8 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 17.811 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

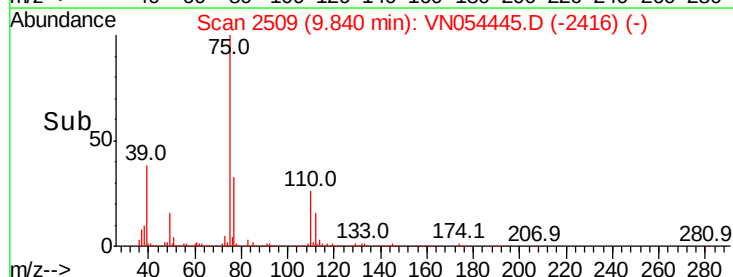
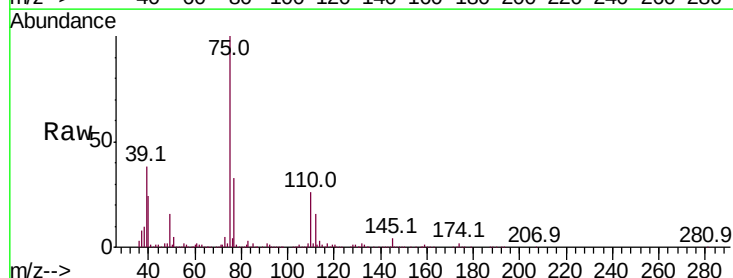
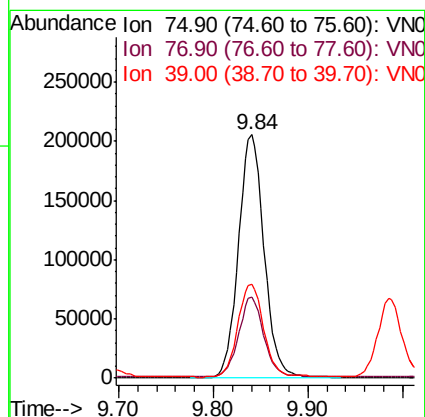
Tgt Ion: 75 Resp: 388564

Ion Ratio Lower Upper

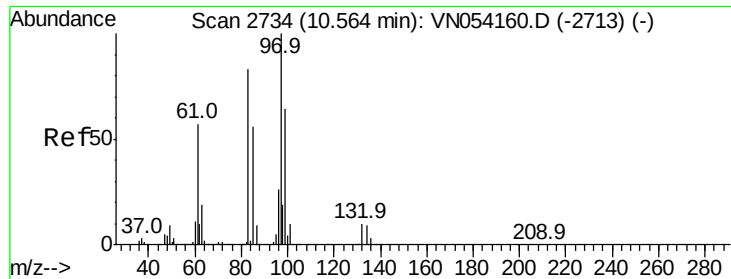
75 100

77 32.8 25.4 38.0

39 37.9 37.2 55.8







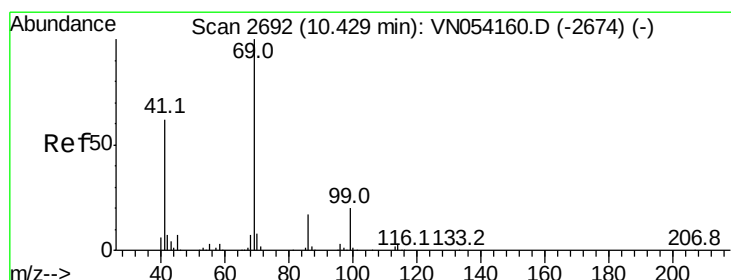
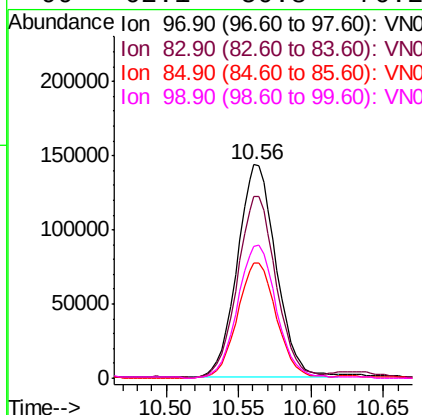
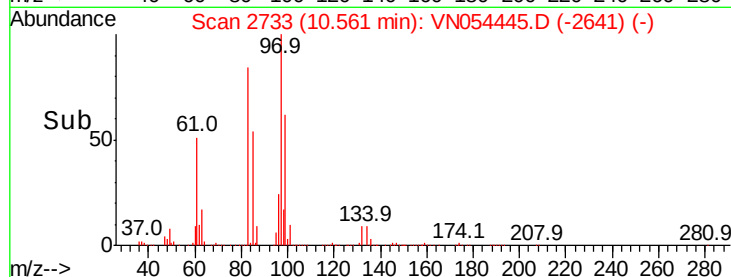
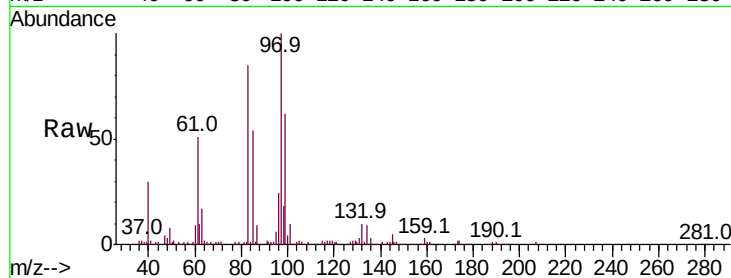
#55  
 1,1,2-Trichloroethane  
 Concen: 20.596 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 84.8  | 66.6  | 100.0 |
| 85      | 54.2  | 44.4  | 66.6  |
| 99      | 62.1  | 50.8  | 76.2  |

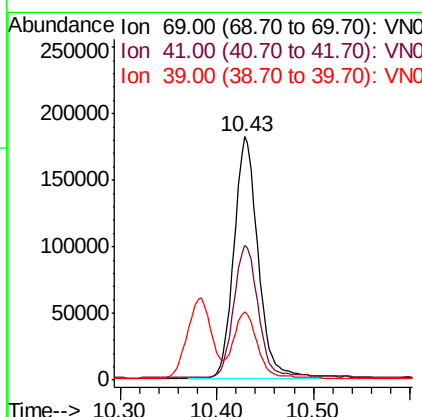
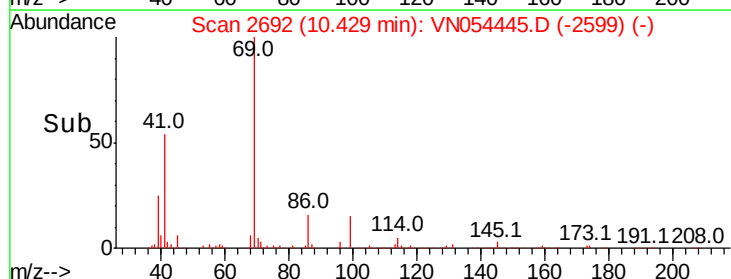
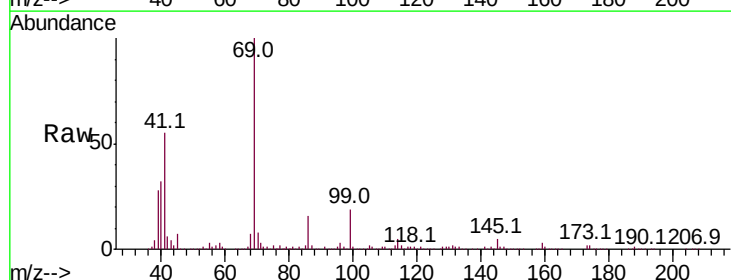
Manual Integrations  
 APPROVED

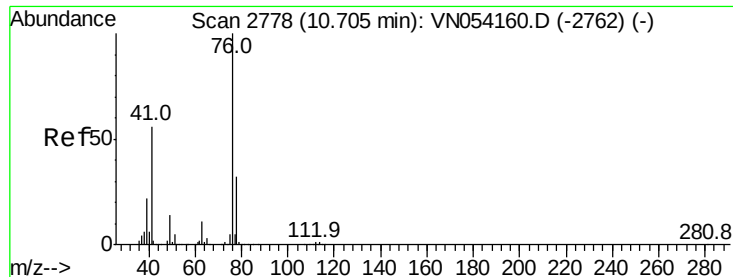
MMDadoda  
 3/20/2019 12:21:51 PM



#56  
 Ethyl methacrylate  
 Concen: 20.802 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. -0.00 min  
 Lab File: VN054445.D  
 Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 55.1  | 49.4  | 74.2  |
| 39      | 26.7  | 28.3  | 42.5# |





#57

1,3-Dichloropropane

Concen: 20.800 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054445.D

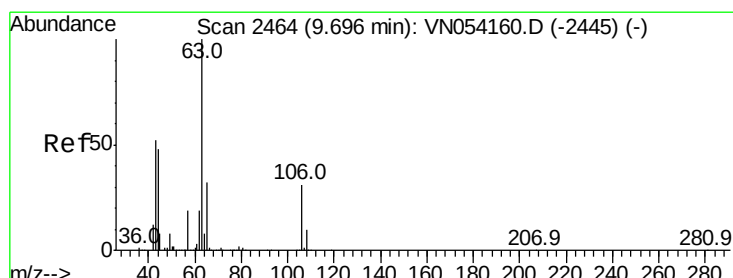
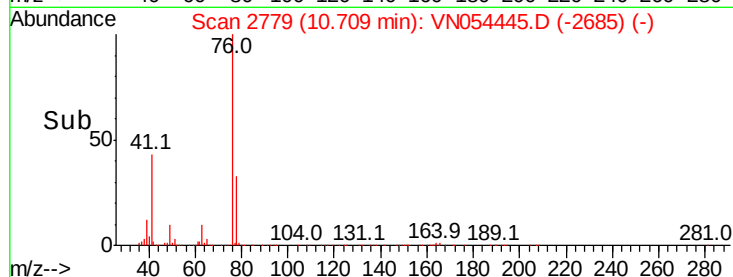
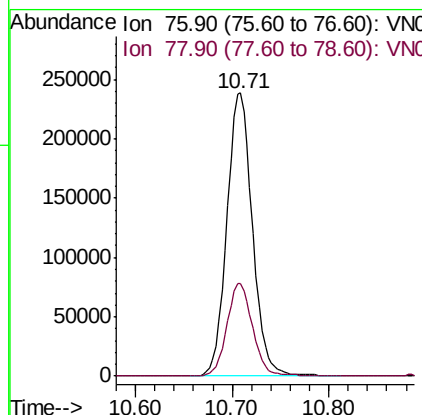
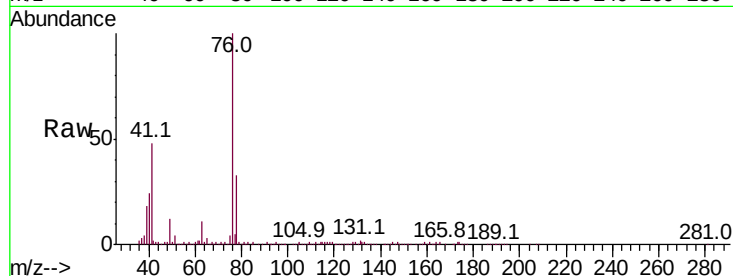
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.4  | 25.7  | 38.5  |

Manual Integrations  
APPROVED

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3/20/2019 12:21:51 PM



#58

2-Chloroethyl Vinyl ether

Concen: 99.231 ug/l

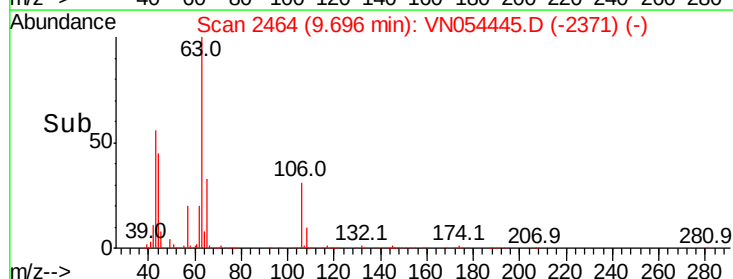
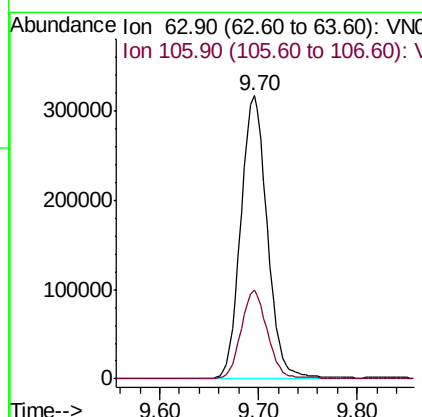
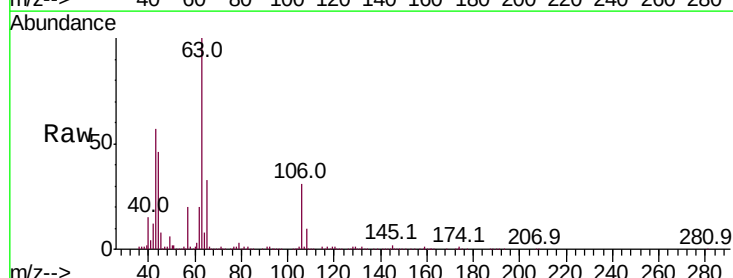
RT: 9.70 min Scan# 2464

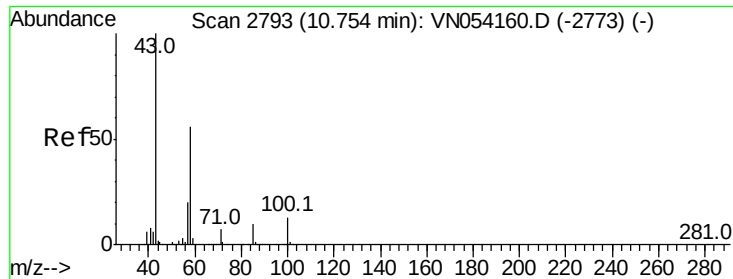
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.7  | 24.4  | 36.6  |





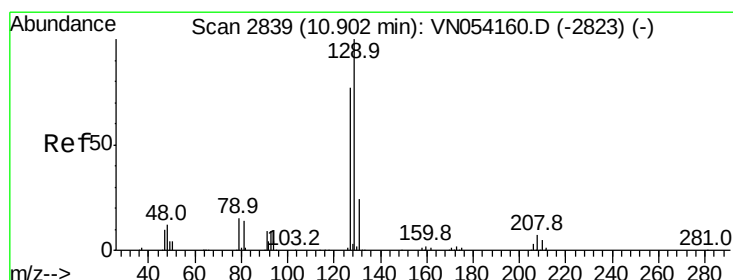
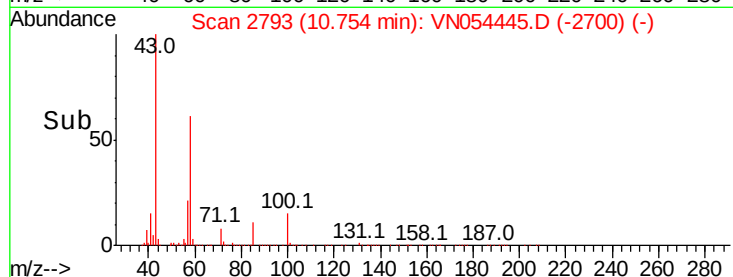
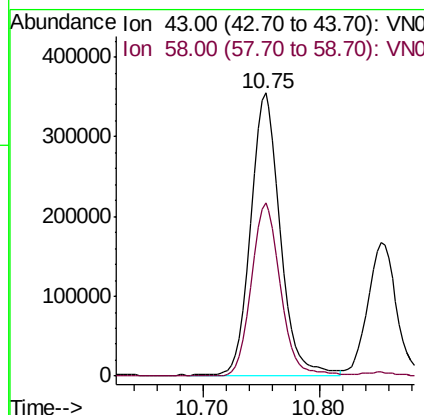
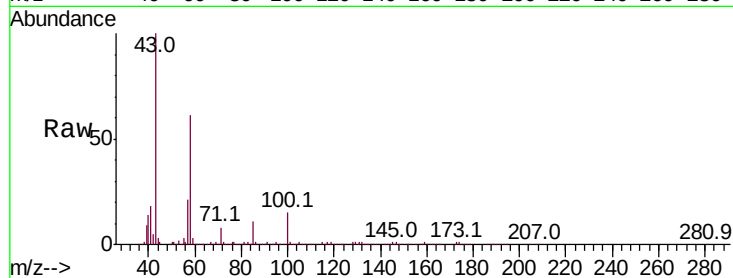
#59  
2-Hexanone  
Concen: 90.635 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0319MBSD01

| Tot Ion | 43 | 58 | Ratio | 100 | 61.2 | Resp | 626117 | Lower | Upper |
|---------|----|----|-------|-----|------|------|--------|-------|-------|
| Ion     | 43 | 58 | Ratio | 100 | 61.2 | Resp | 626117 | Lower | Upper |
|         |    |    |       |     |      |      |        | 28.0  | 83.9  |

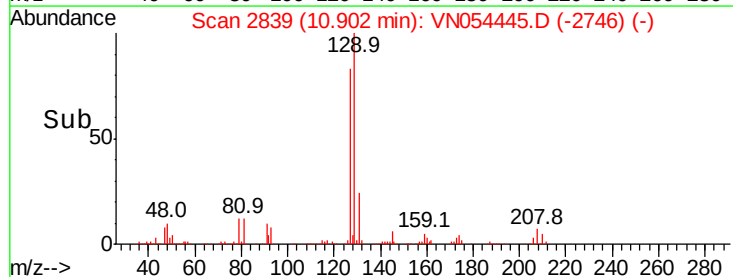
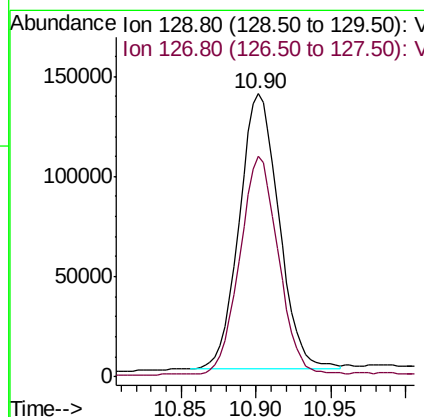
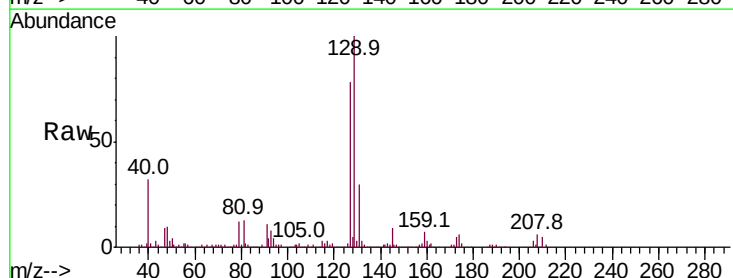
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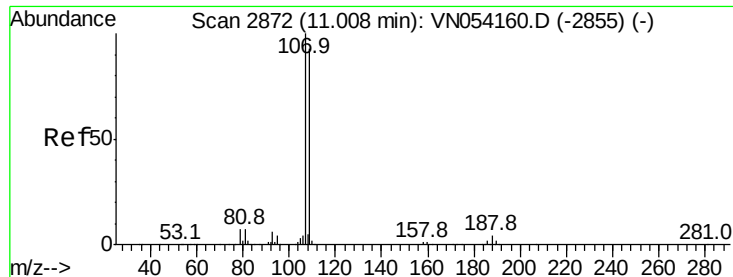
MMDadoda  
3/20/2019 12:21:51 PM



#60  
Dibromochloromethane  
Concen: 17.560 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | 129 | 127 | Ratio | 100 | 77.7 | Resp | 254715 | Lower | Upper |
|---------|-----|-----|-------|-----|------|------|--------|-------|-------|
| Ion     | 129 | 127 | Ratio | 100 | 77.7 | Resp | 254715 | Lower | Upper |
|         |     |     |       |     |      |      |        | 38.6  | 115.8 |





#61

1,2-Dibromoethane

Concen: 20.087 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBS01

Tot Ion:107 Resp: 263056

Ion Ratio Lower Upper

107 100

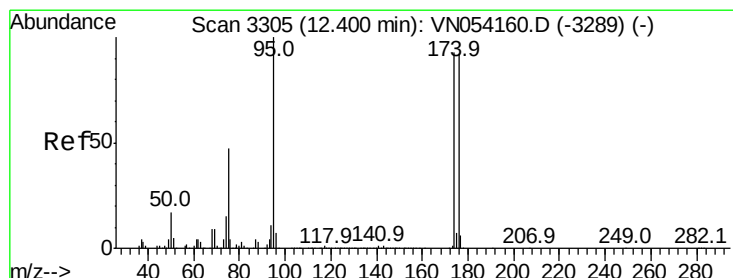
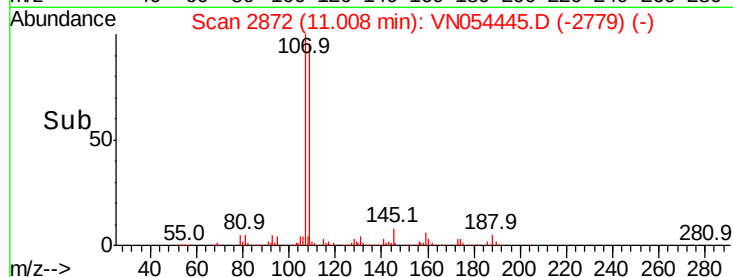
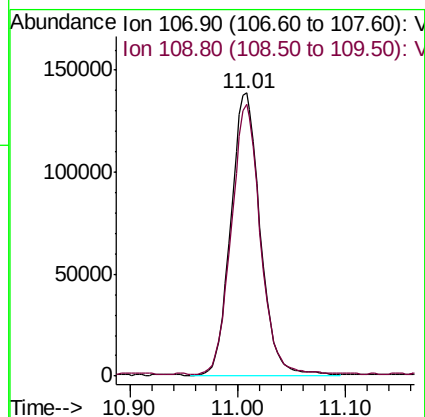
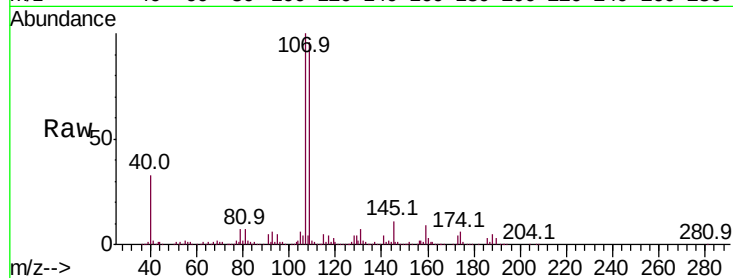
109 94.0 75.9 113.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.566 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

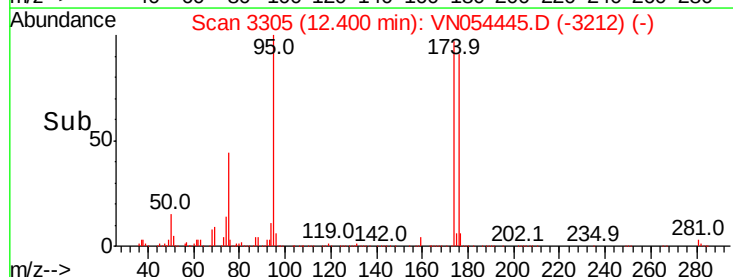
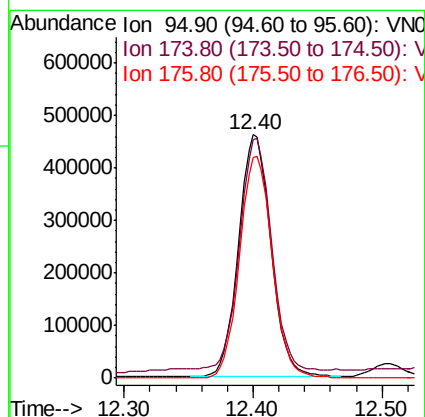
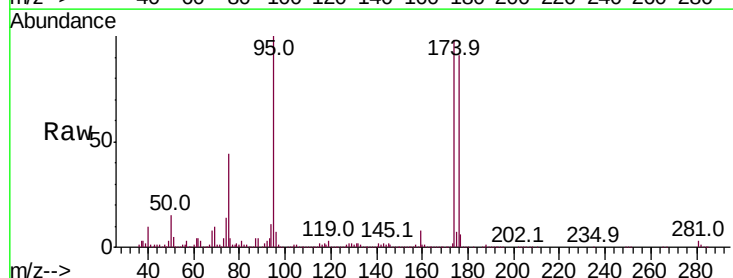
Tgt Ion: 95 Resp: 802122

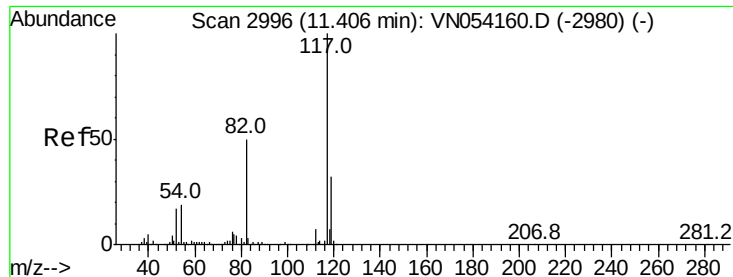
Ion Ratio Lower Upper

95 100

174 95.2 0.0 191.0

176 92.8 0.0 187.4





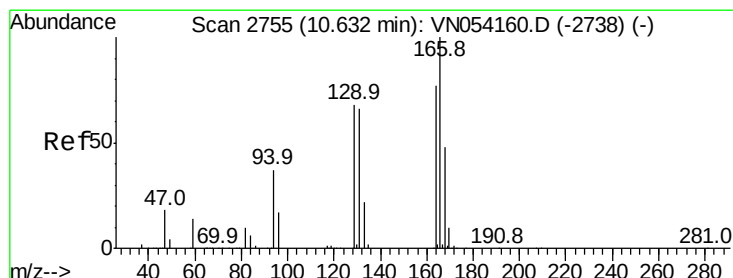
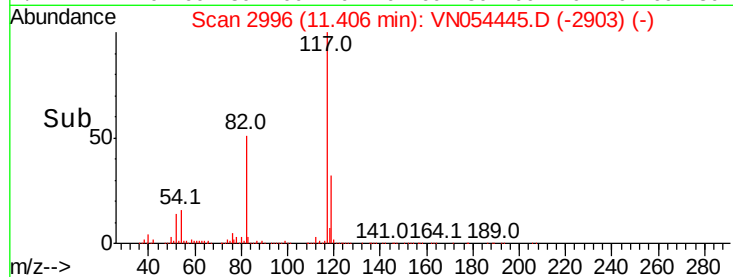
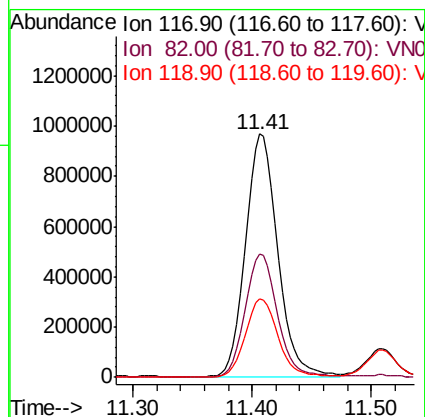
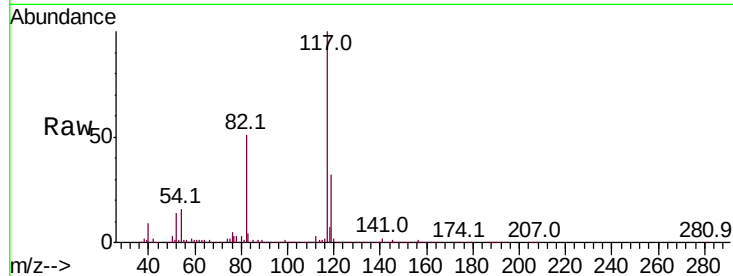
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.9  | 40.0  | 60.0  |
| 119     | 32.2  | 25.8  | 38.6  |

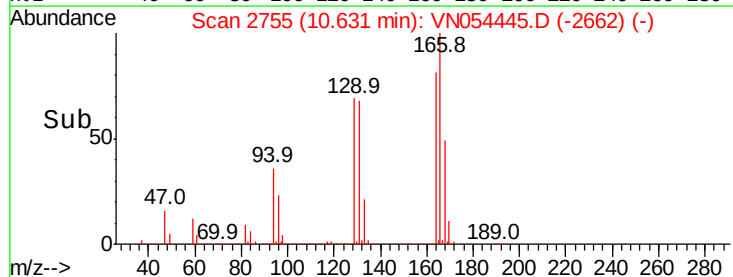
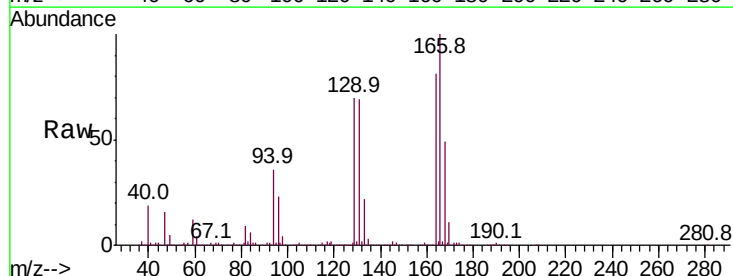
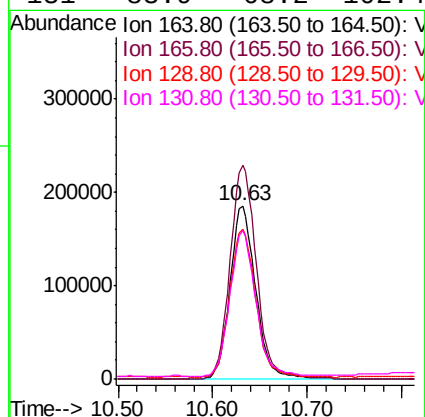
Manual Integrations  
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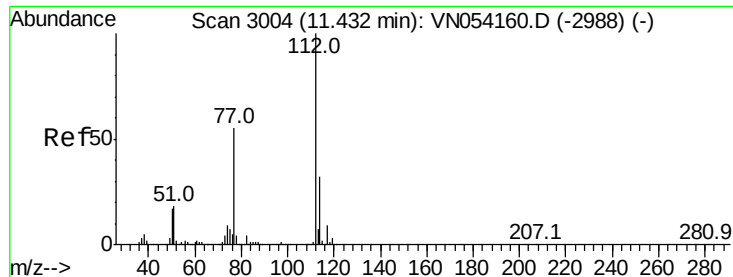
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 20.062 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.2 | 103.9 | 155.9 |
| 129     | 85.1  | 71.1  | 106.7 |
| 131     | 83.9  | 68.2  | 102.4 |





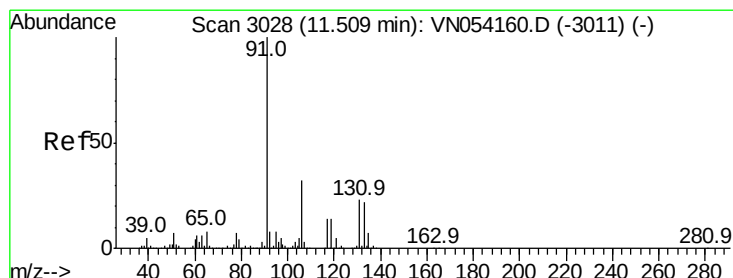
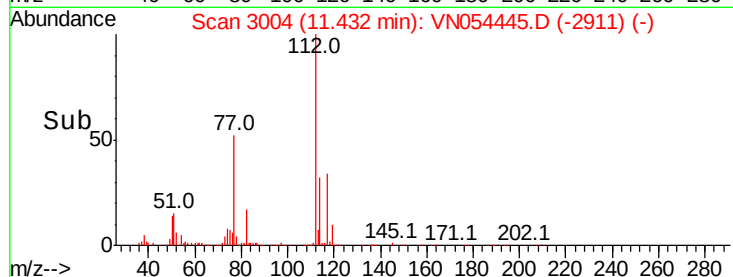
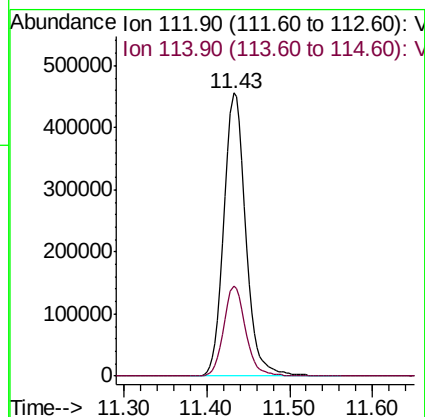
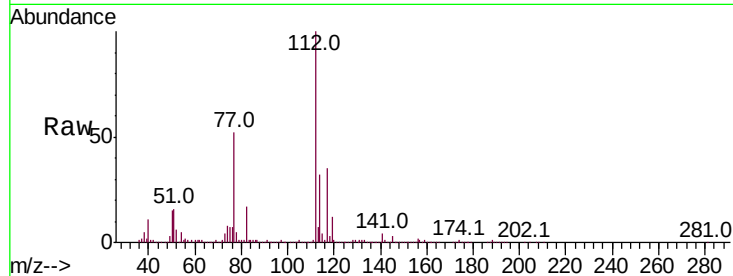
#65  
Chlorobenzene  
Concen: 20.957 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 25.9  | 38.9  |

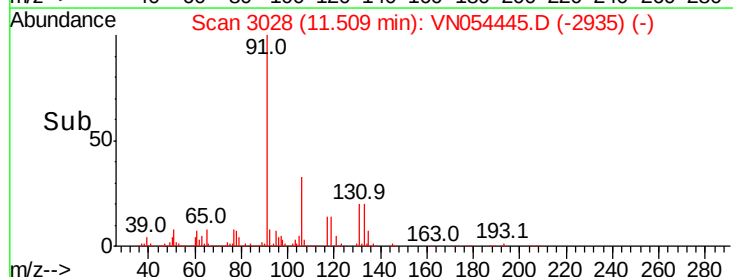
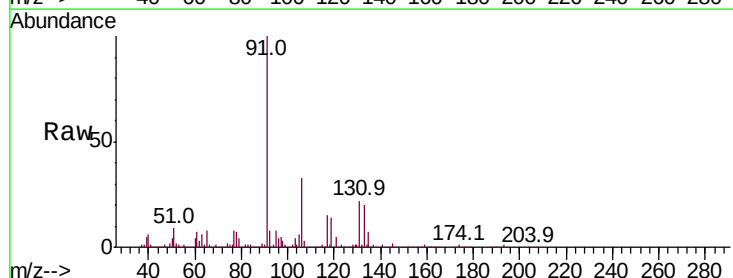
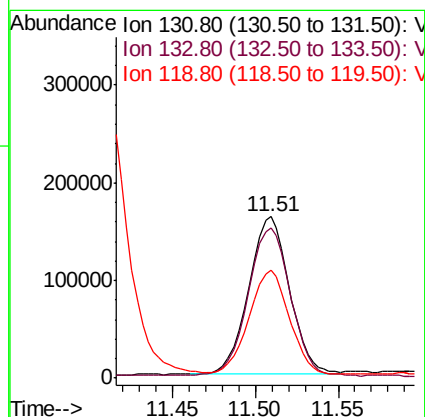
Manual Integrations  
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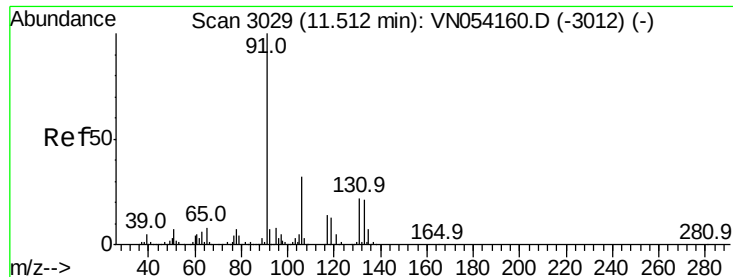
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.179 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 97.4  | 47.6  | 142.9 |
| 119     | 65.8  | 32.4  | 97.0  |





#67

Ethyl Benzene

Concen: 20.567 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 91 Resp: 1353694

Ion Ratio Lower Upper

91 100

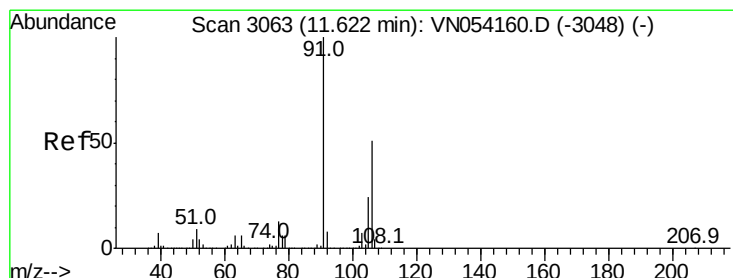
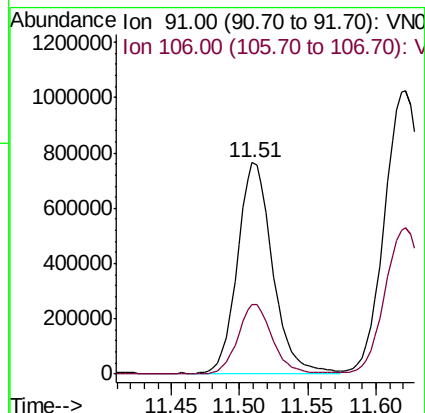
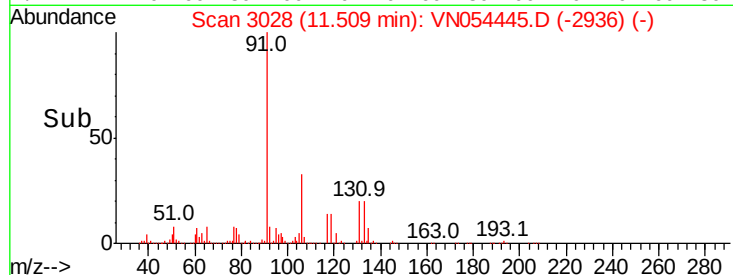
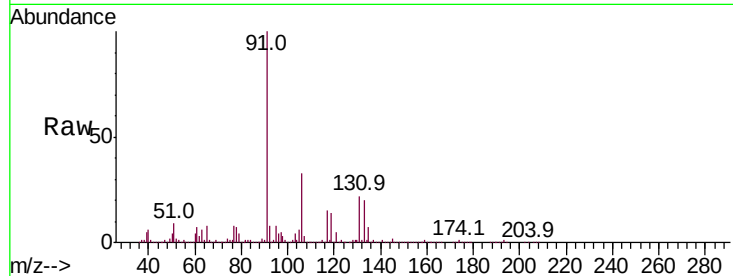
106 33.1 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.154 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054445.D

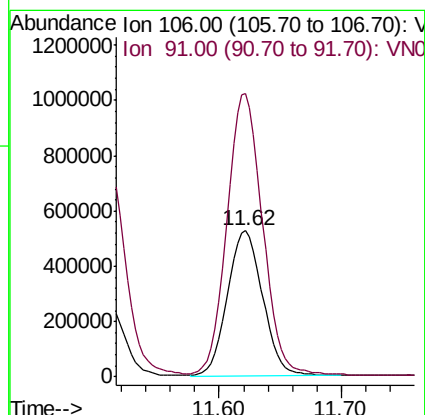
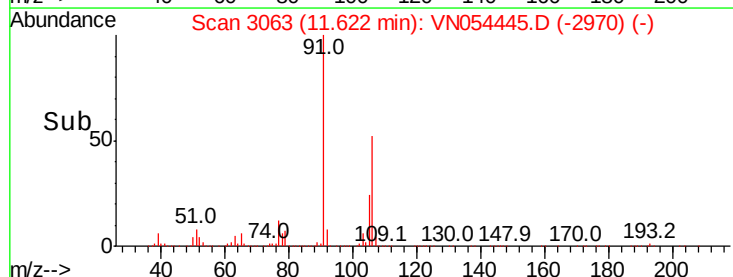
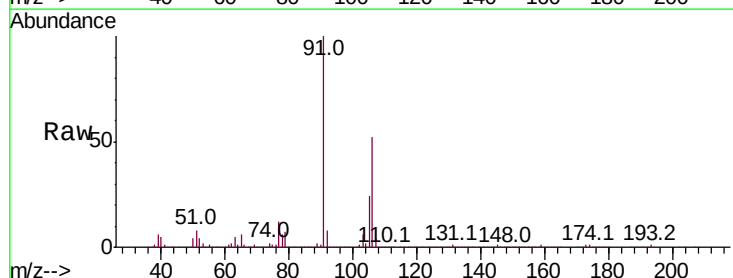
Acq: 19 Mar 2019 17:28

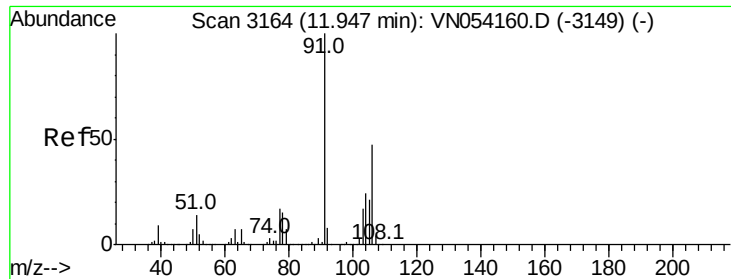
Tgt Ion: 106 Resp: 1058681

Ion Ratio Lower Upper

106 100

91 196.7 159.4 239.2





#69

o-Xylene

Concen: 21.405 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion:106 Resp: 536769

Ion Ratio Lower Upper

106 100

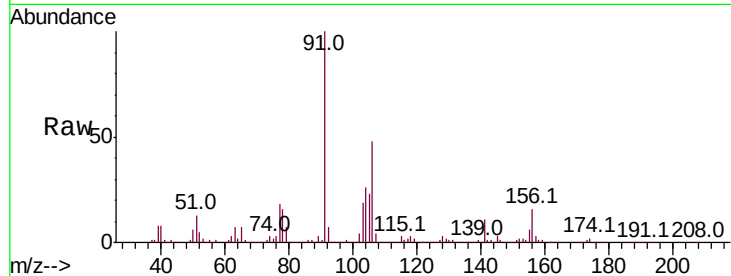
91 203.8 105.7 317.1

Manual Integrations

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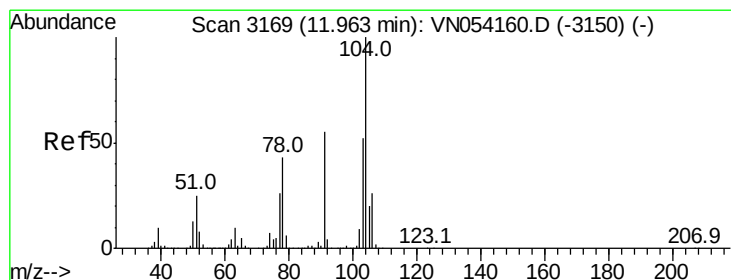
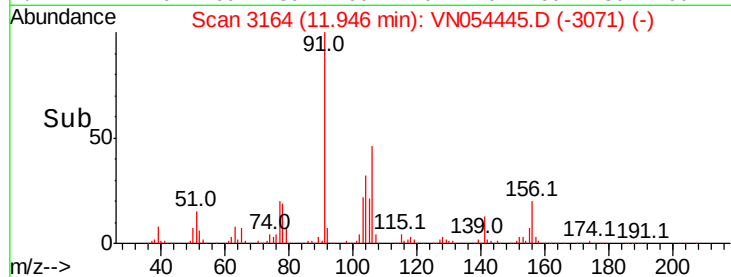
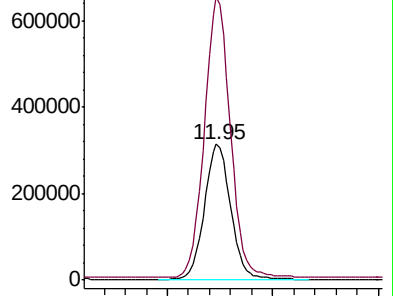
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 21.522 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

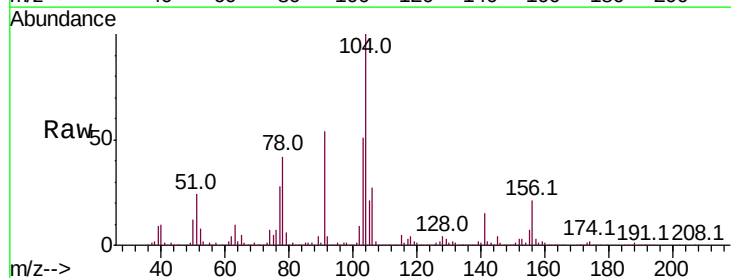
Tgt Ion:104 Resp: 846436

Ion Ratio Lower Upper

104 100

78 47.6 38.2 57.2

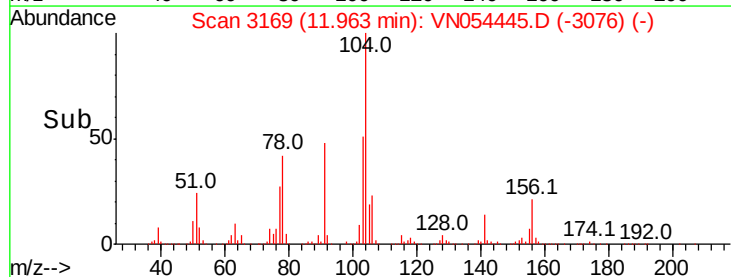
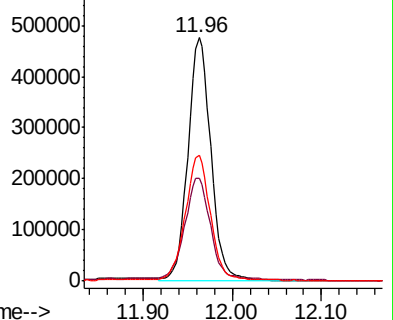
103 56.0 44.4 66.6



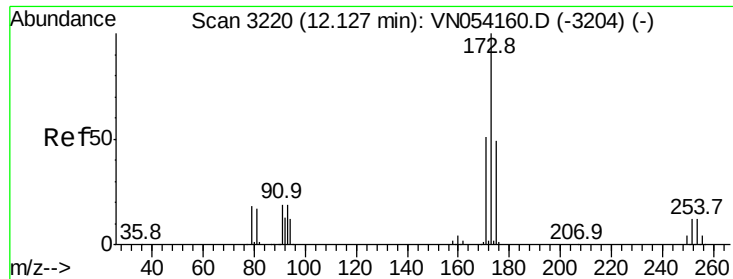
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V







#71

Bromoform

Concen: 16.666 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

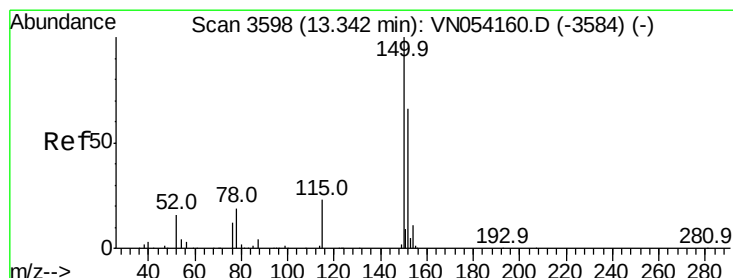
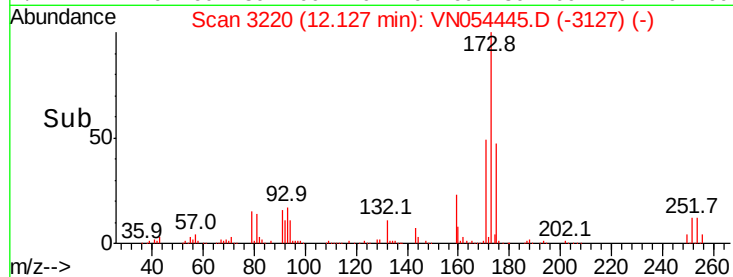
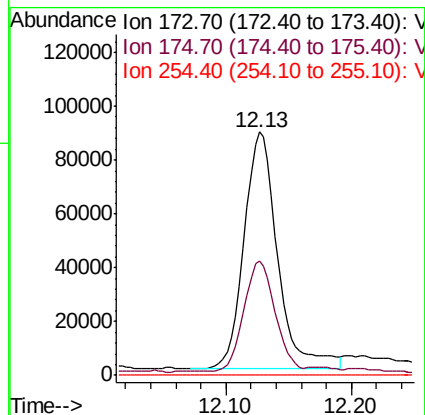
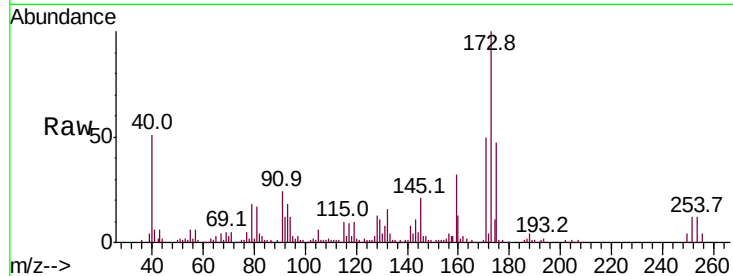
ClientSampleId :

VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 43.3  | 24.4  | 73.2  |
| 254     | 0.1   | 0.1   | 0.1#  |

Manual Integrations  
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3/20/2019 12:21:51 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

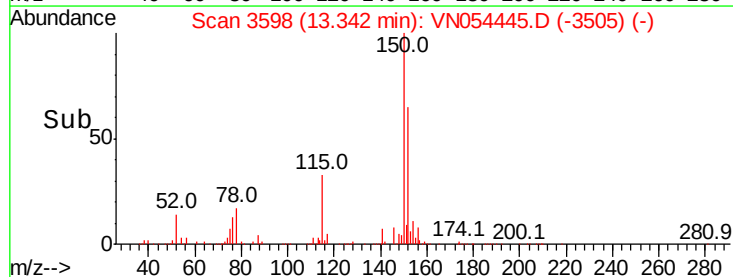
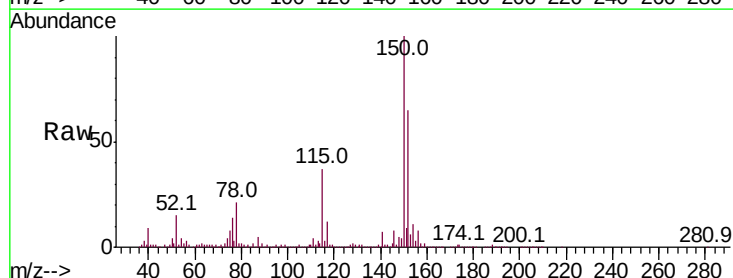
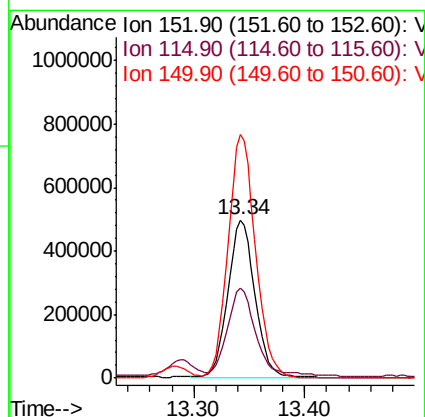
RT: 13.34 min Scan# 3598

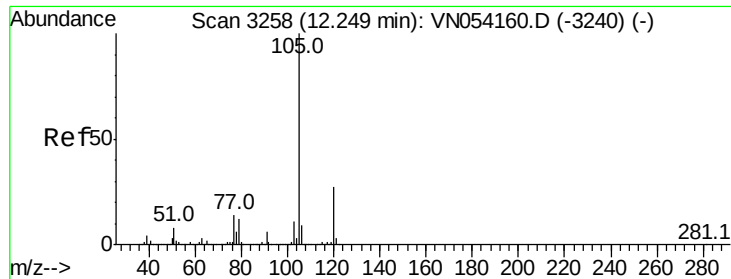
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.7  | 27.2  | 81.6  |
| 150     | 156.8 | 0.0   | 349.2 |





#73

Isopropylbenzene

Concen: 20.235 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

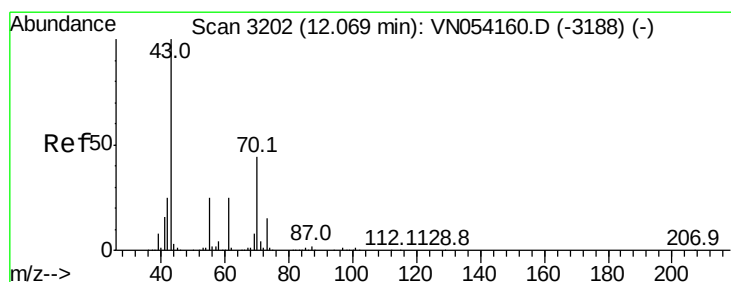
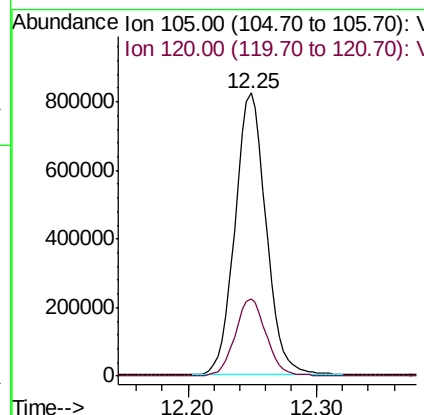
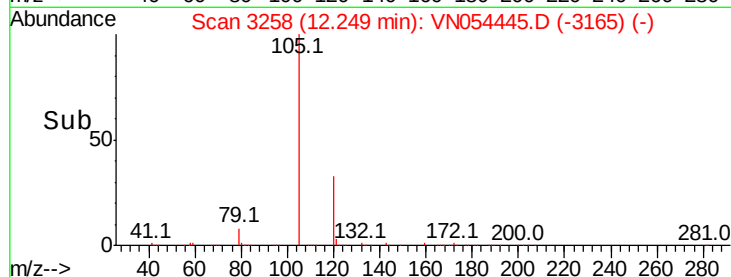
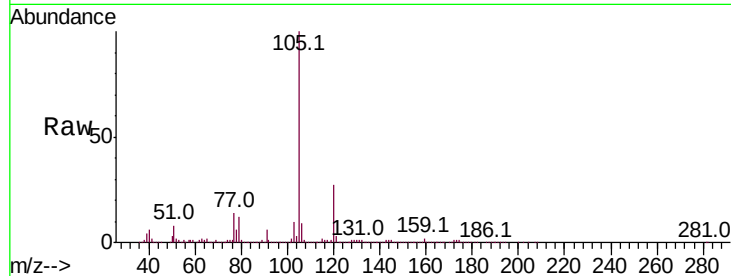
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

Tot Ion:105 Resp: 1364357

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 27.4  | 13.8  | 41.3  |

Manual Integrations  
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#74

N-ethyl acetate

Concen: 19.433 ug/l

RT: 12.07 min Scan# 3202

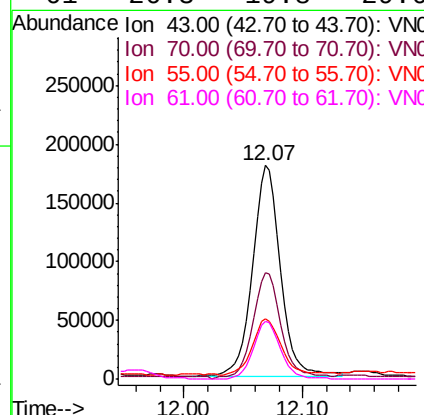
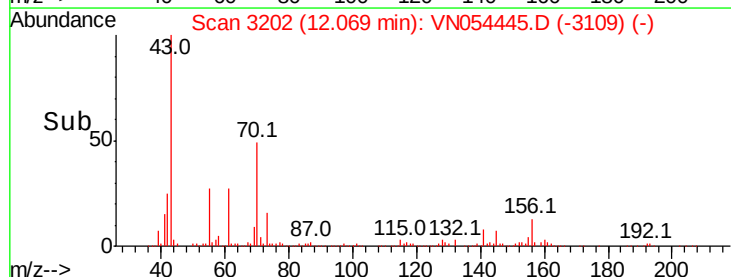
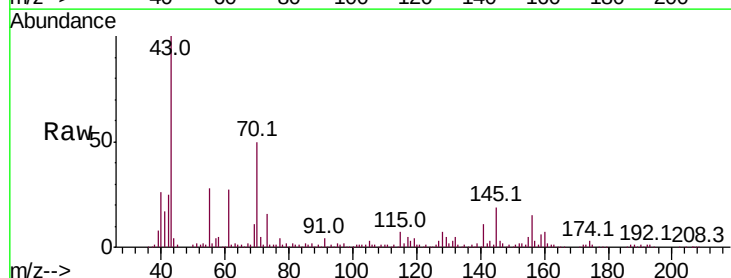
Delta R.T. -0.00 min

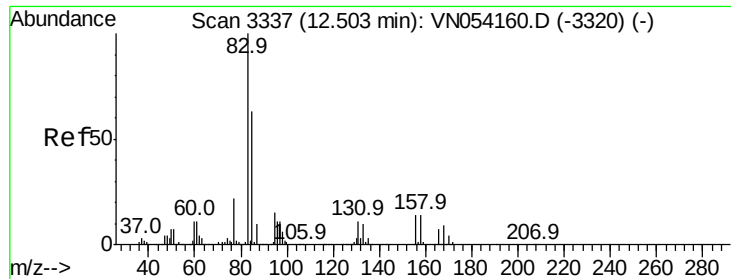
Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Tgt Ion: 43 Resp: 290841

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 52.1  | 35.4  | 53.0  |
| 55  | 26.9  | 19.8  | 29.6  |
| 61  | 26.3  | 19.8  | 29.6  |





#75

1,1,2,2-Tetrachloroethane

Concen: 20.735 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 83 Resp: 297876

Ion Ratio Lower Upper

83 100

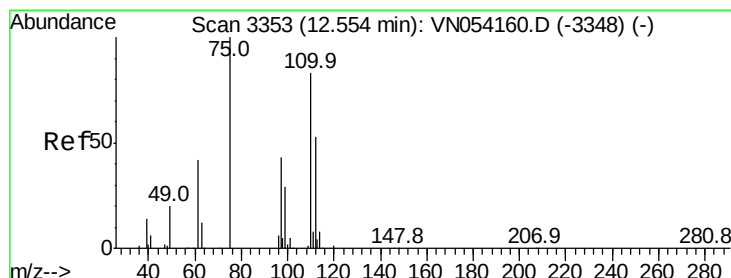
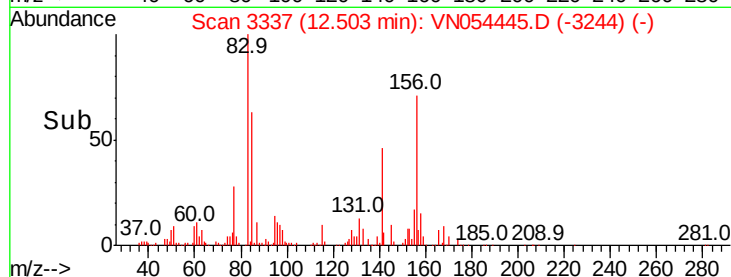
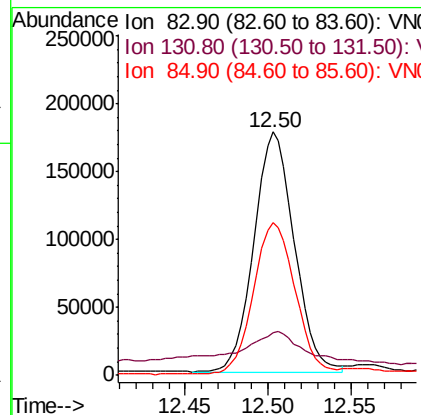
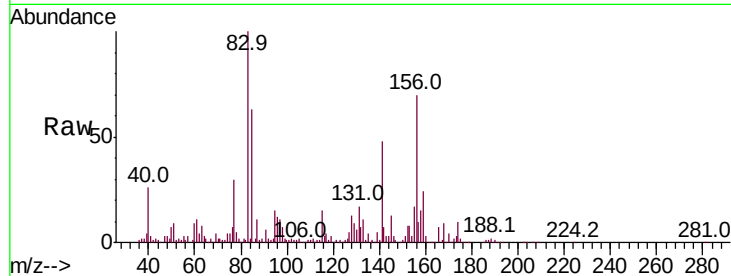
131 18.4 5.8 17.4#

85 65.7 32.2 96.6

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 20.424 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054445.D

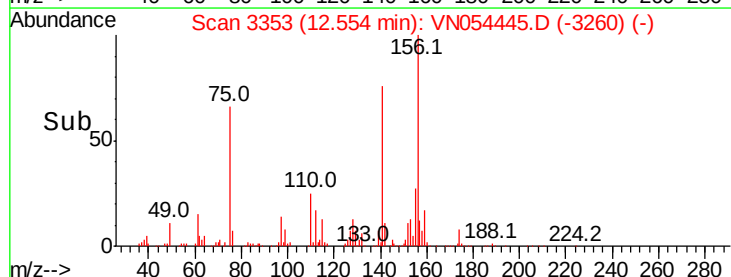
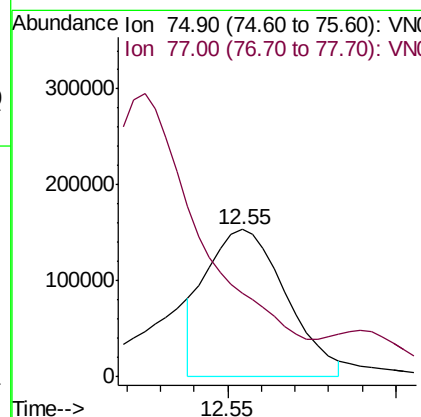
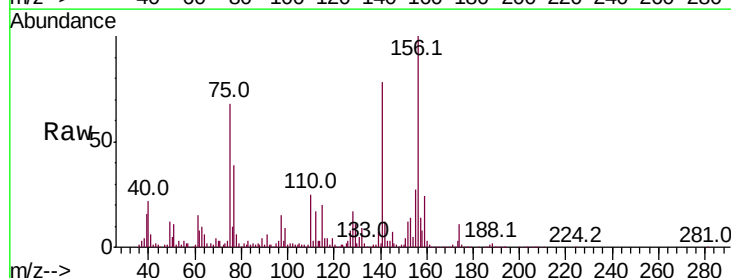
Acq: 19 Mar 2019 17:28

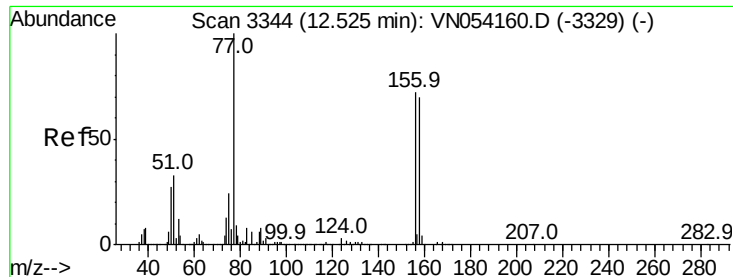
Tgt Ion: 75 Resp: 253121

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 90.964 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion:156 Resp: 1622997

Ion Ratio Lower Upper

156 100

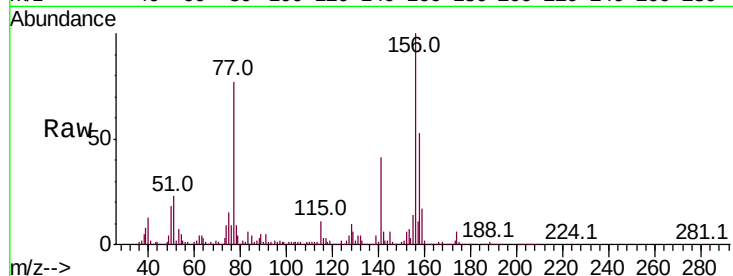
77 40.5 81.5 244.4#

158 22.1 49.0 147.2#

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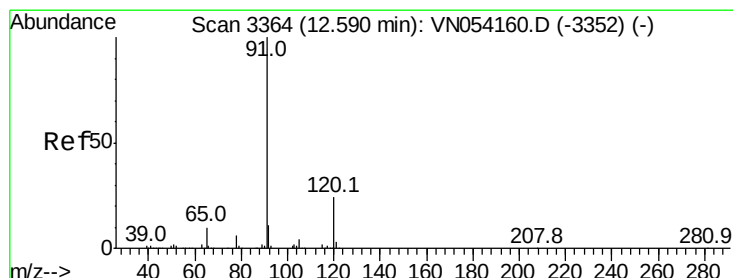
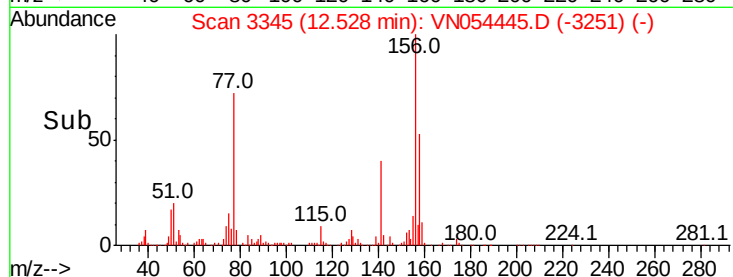
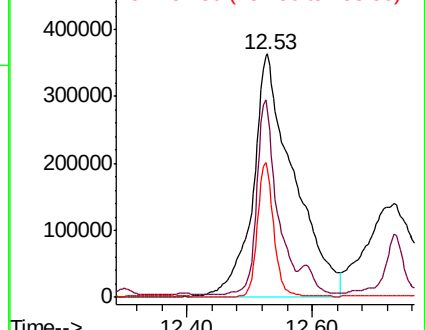
3/20/2019 12:21:51 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.366 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054445.D

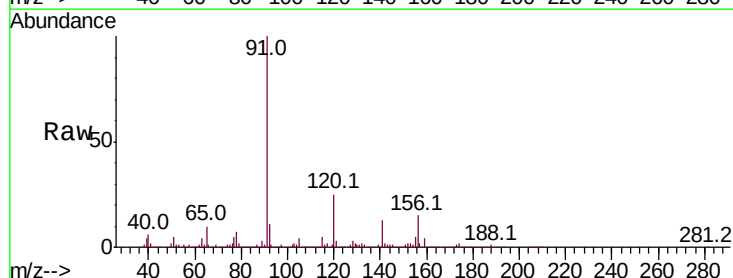
Acq: 19 Mar 2019 17:28

Tgt Ion: 91 Resp: 1416860

Ion Ratio Lower Upper

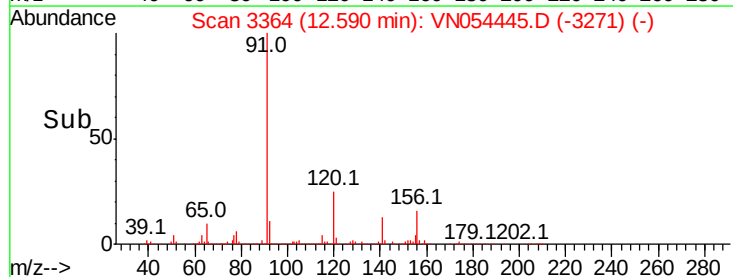
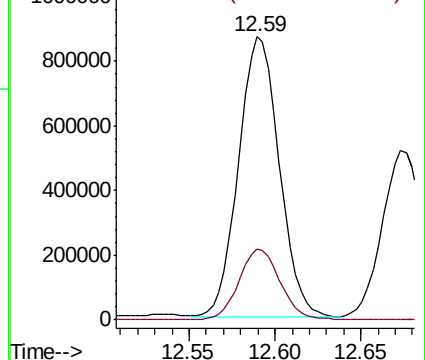
91 100

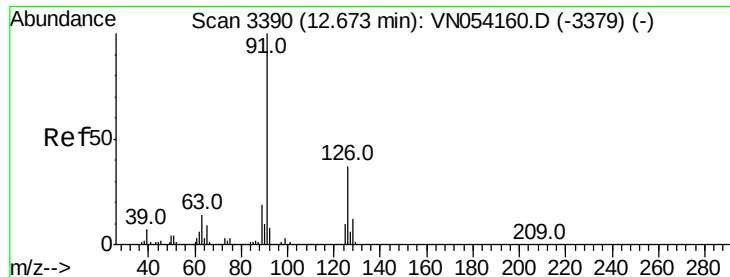
120 25.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.903 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBSD01

Tot Ion: 91 Resp: 875516

Ion Ratio Lower Upper

91 100

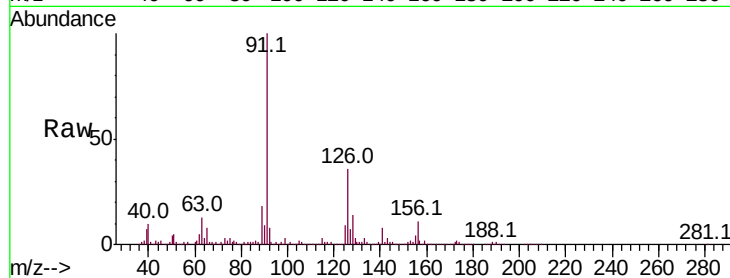
126 38.1 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.67

500000

400000

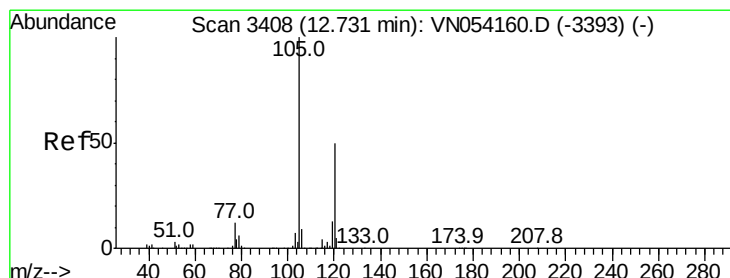
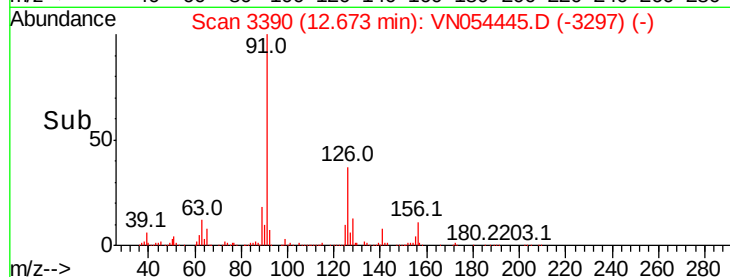
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.783 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054445.D

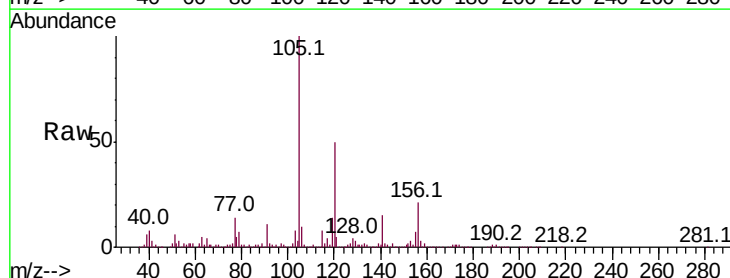
Acq: 19 Mar 2019 17:28

Tgt Ion:105 Resp: 1165602

Ion Ratio Lower Upper

105 100

120 47.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

800000

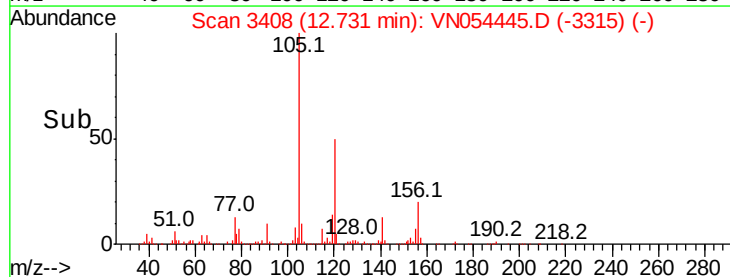
600000

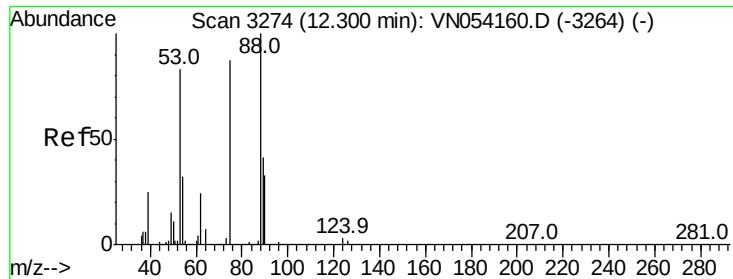
400000

200000

0

Time-->





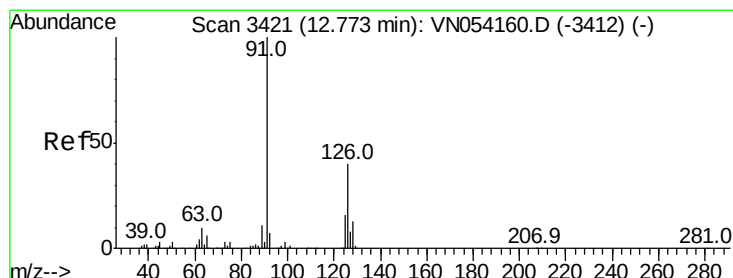
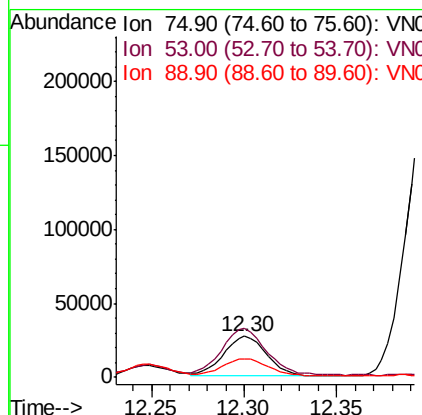
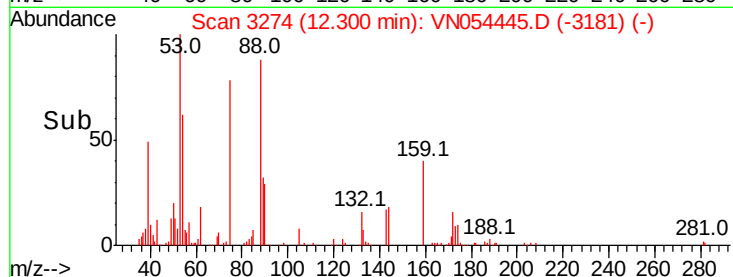
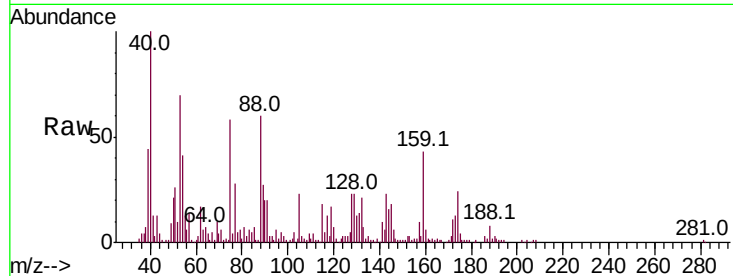
#81  
trans-1,4-Dichloro-2-butene  
Concen: 12.164 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 119.6 | 76.2  | 114.2# |
| 89      | 45.3  | 39.2  | 58.8   |

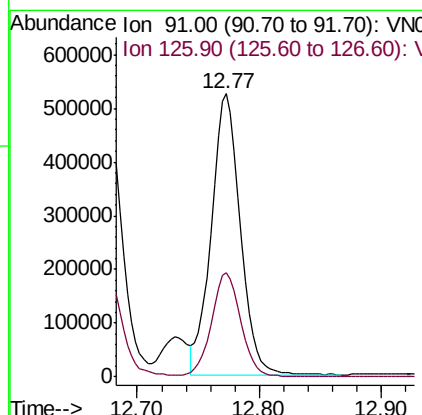
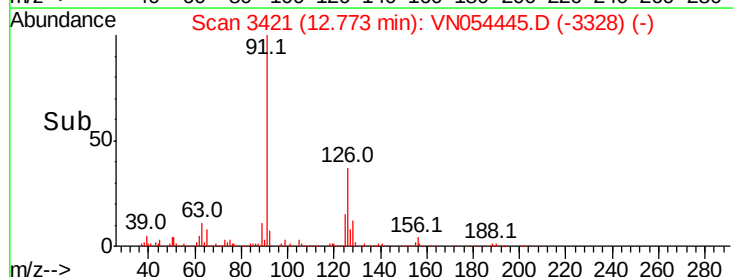
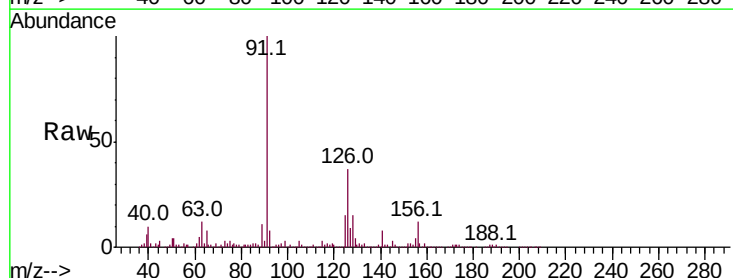
Manual Integrations  
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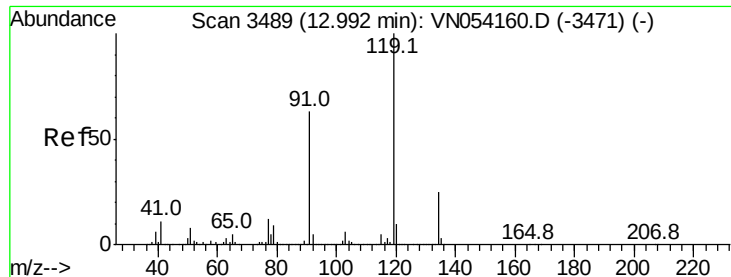
MMDadoda  
3/20/2019 12:21:51 PM



#82  
4-Chlorotoluene  
Concen: 19.732 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 37.4  | 18.1  | 54.1  |





#83

tert-Butylbenzene

Concen: 19.099 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

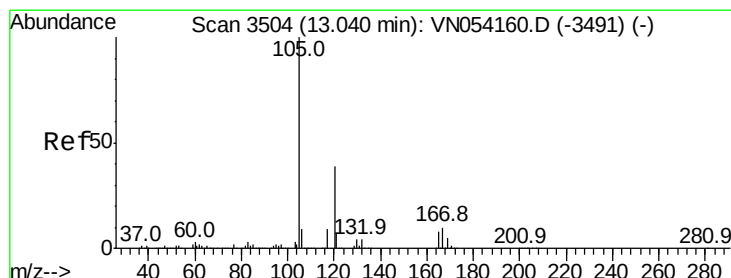
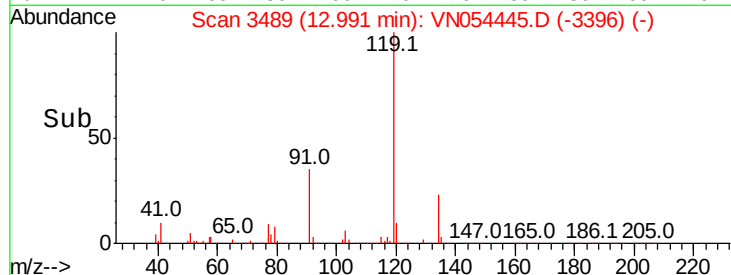
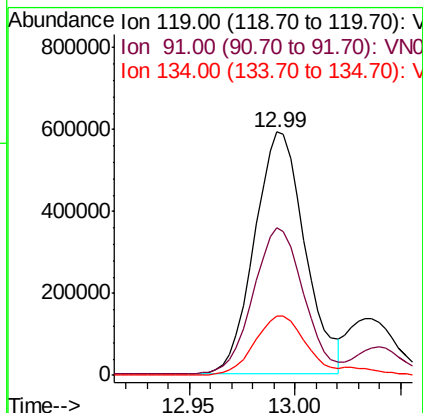
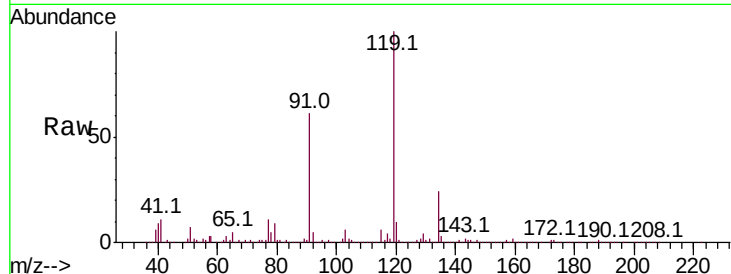
ClientSampleId :

VN0319MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 985932 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 59.2  | 30.9  | 92.8   |
| 134       | 26.8  | 13.2  | 39.6   |

Manual Integrations  
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3/20/2019 12:21:51 PM



#84

1,2,4-Trimethylbenzene

Concen: 19.983 ug/l

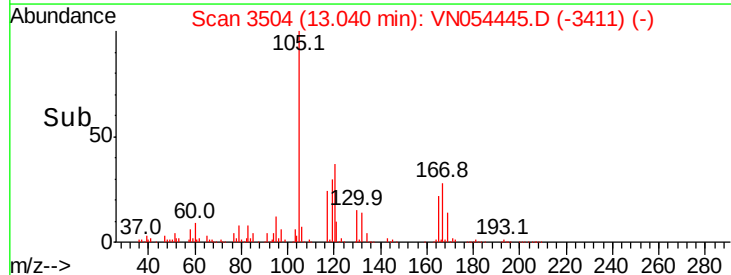
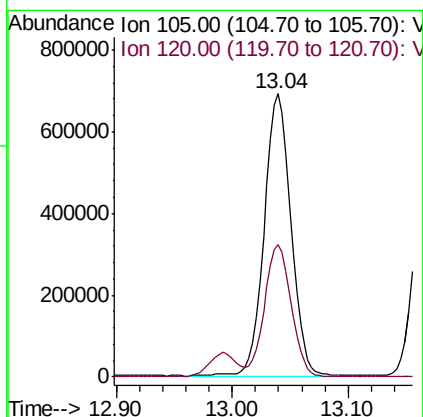
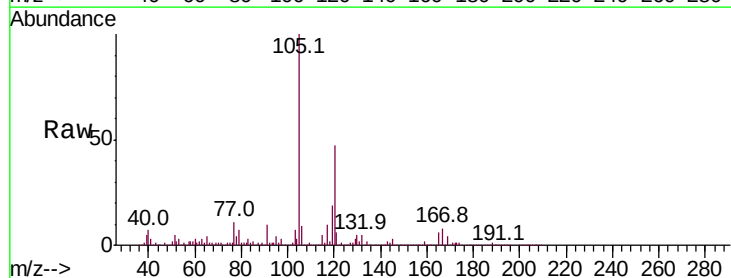
RT: 13.04 min Scan# 3504

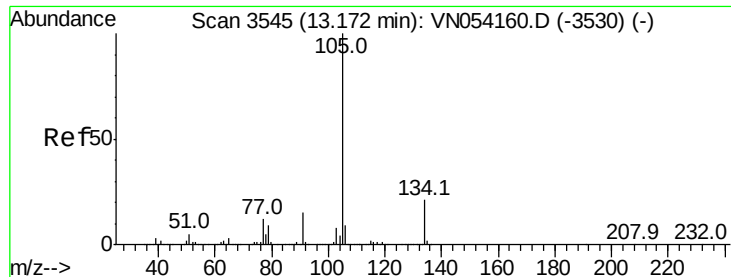
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 105   | Resp: | 1099493 |
| Ion Ratio | Lower | Upper |         |
| 105       | 100   |       |         |
| 120       | 46.7  | 23.4  | 70.3    |





#85

sec-Butylbenzene

Concen: 18.484 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0319MBS01

Tot Ion:105 Resp: 1237461

Ion Ratio Lower Upper

105 100

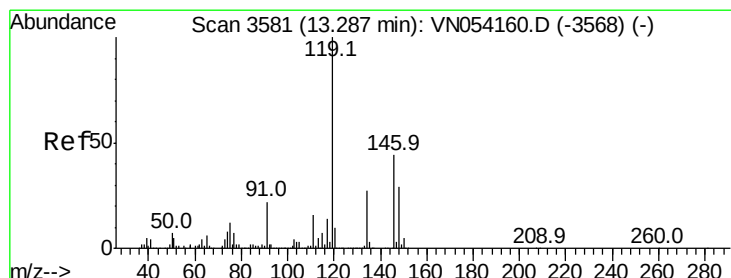
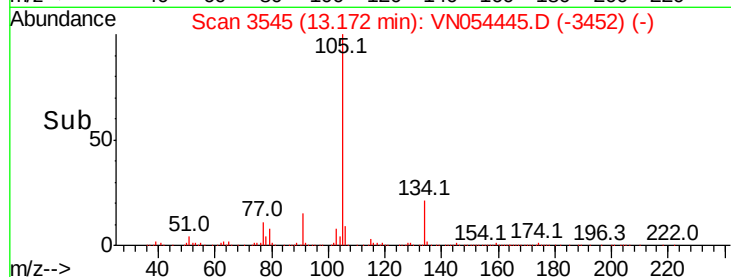
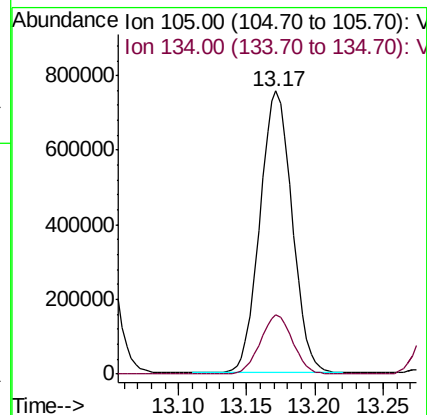
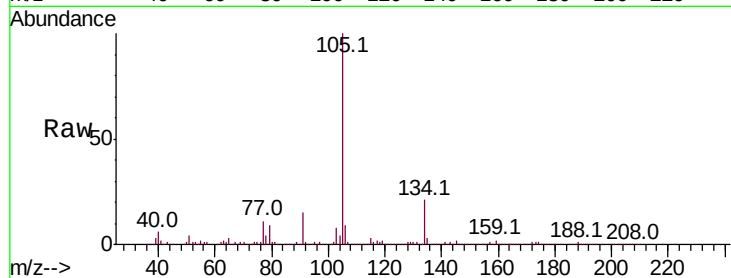
134 20.9 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.592 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

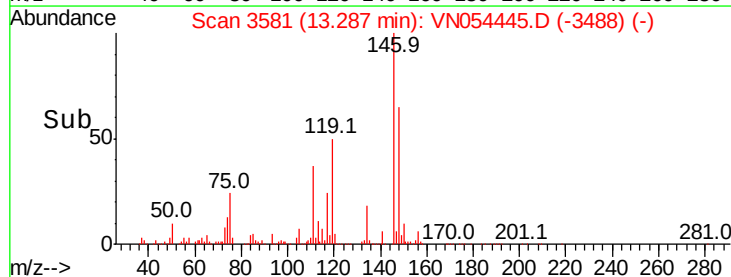
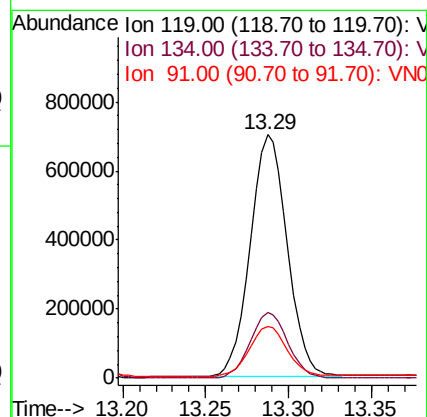
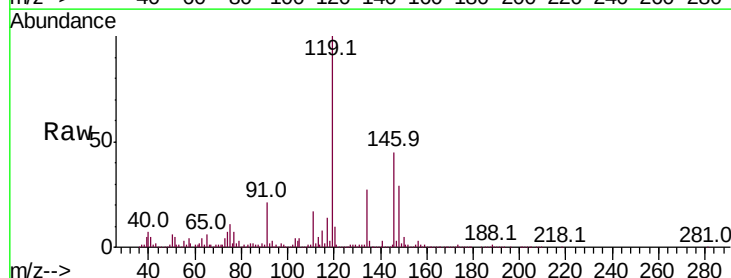
Tgt Ion:119 Resp: 1091987

Ion Ratio Lower Upper

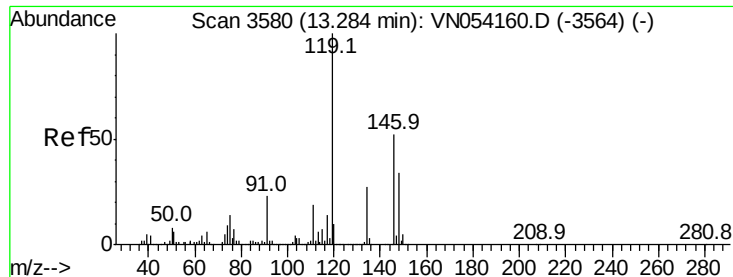
119 100

134 27.2 13.6 40.8

91 20.8 11.1 33.3







#87

1,3-Dichlorobenzene

Concen: 19.431 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054445.D

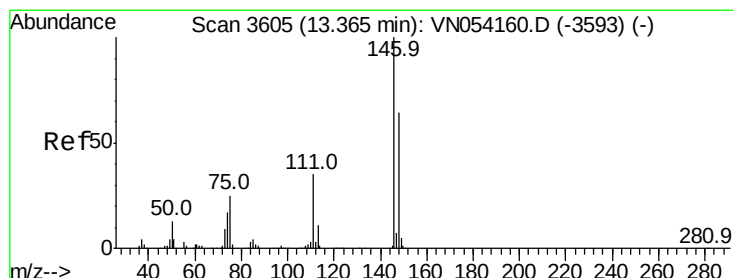
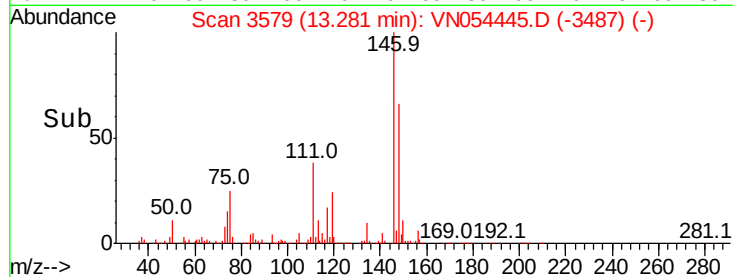
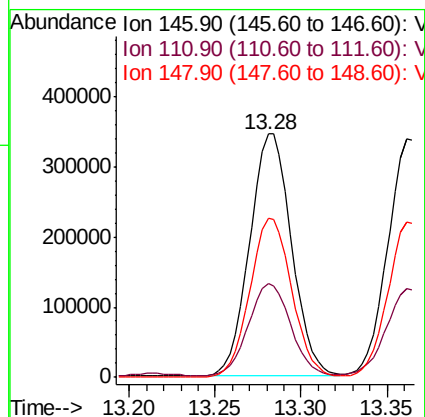
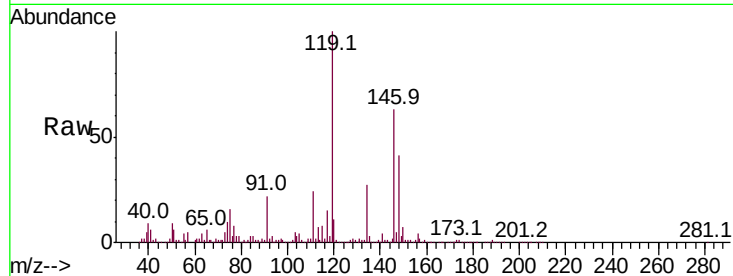
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 18.8  | 56.3  |
| 148     | 65.4  | 32.2  | 96.6  |

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#88

1,4-Dichlorobenzene

Concen: 19.384 ug/l

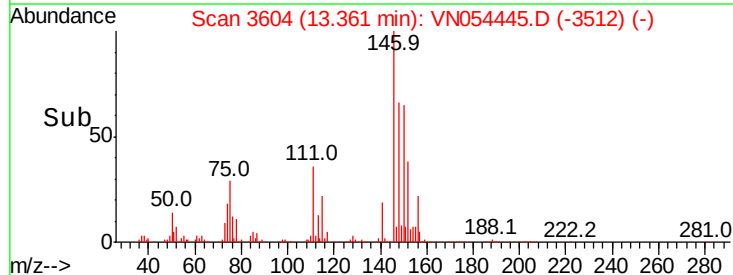
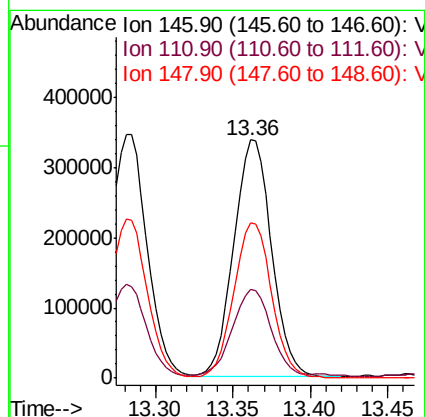
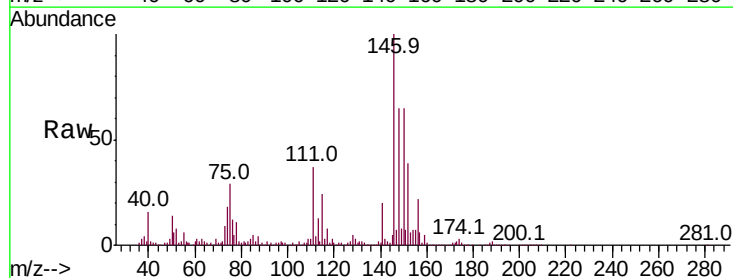
RT: 13.36 min Scan# 3604

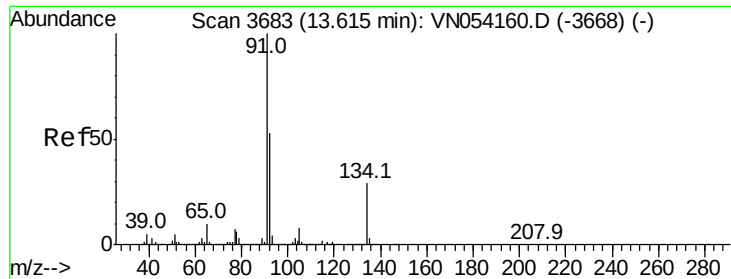
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 18.1  | 54.1  |
| 148     | 65.3  | 32.0  | 96.0  |





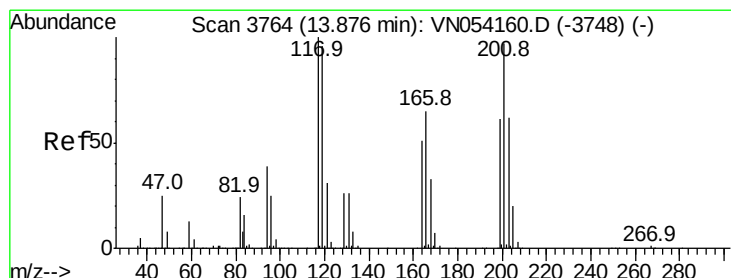
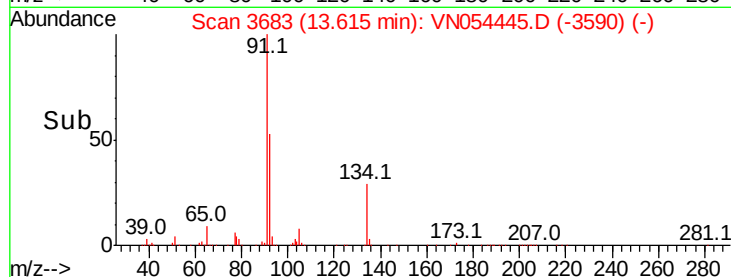
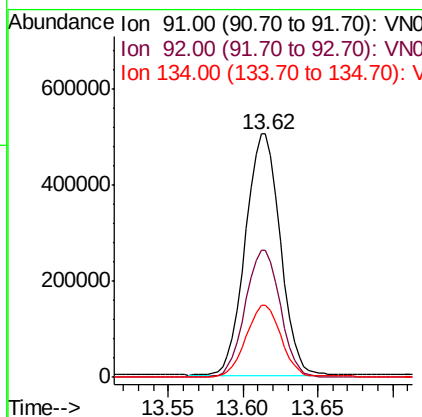
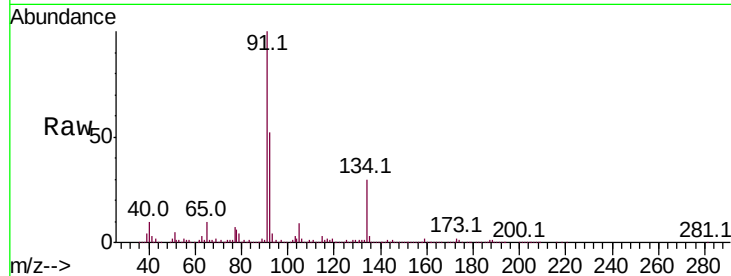
#89  
n-Butylbenzene  
Concen: 18.207 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.8  | 26.2  | 78.6  |
| 134     | 30.5  | 14.3  | 42.9  |

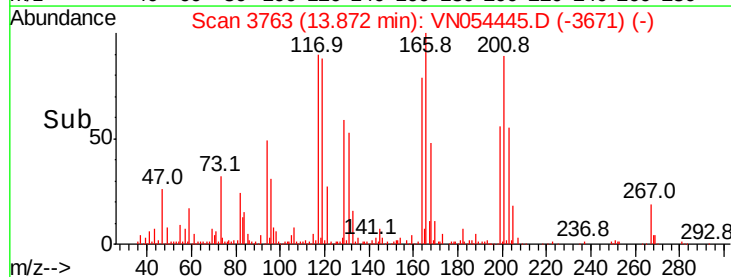
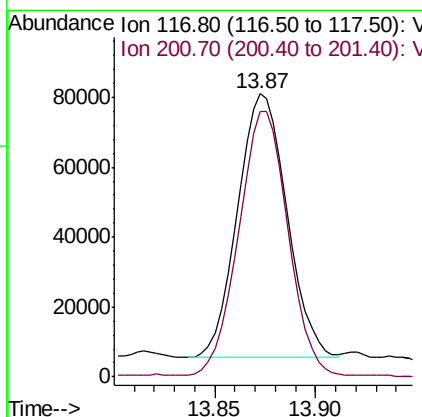
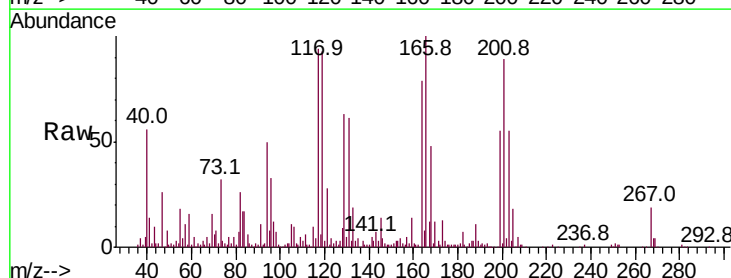
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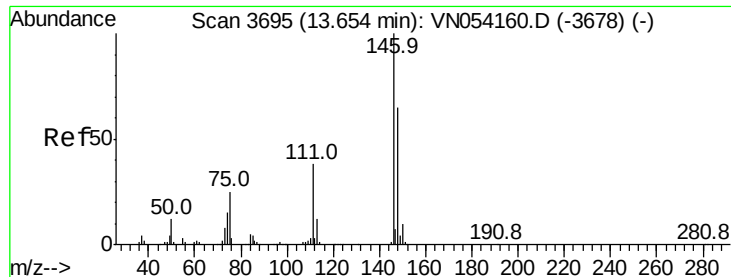
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#90  
Hexachloroethane  
Concen: 13.205 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 101.1 | 48.1  | 144.4 |





#91

1,2-Dichlorobenzene

Concen: 20.122 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

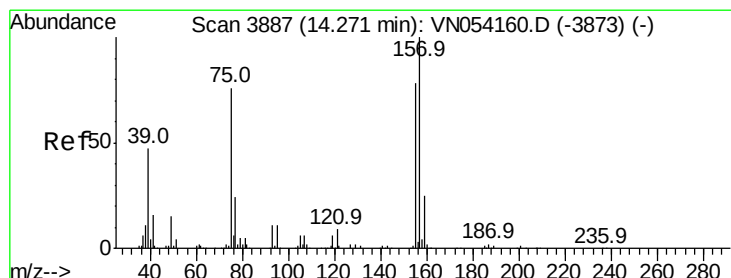
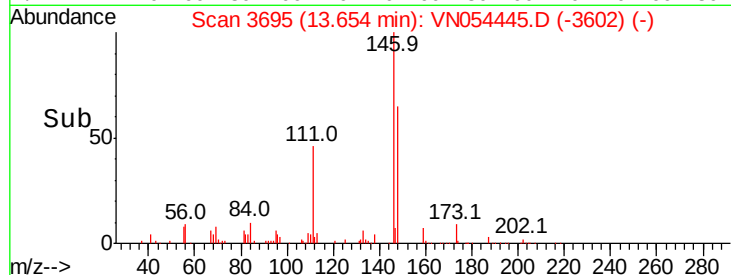
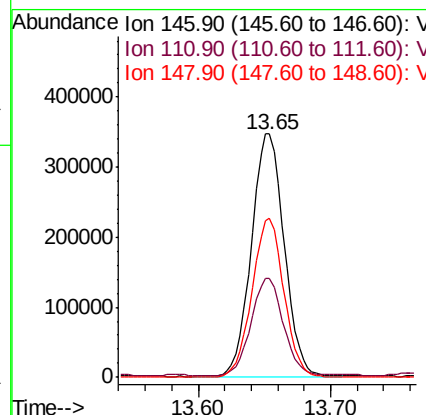
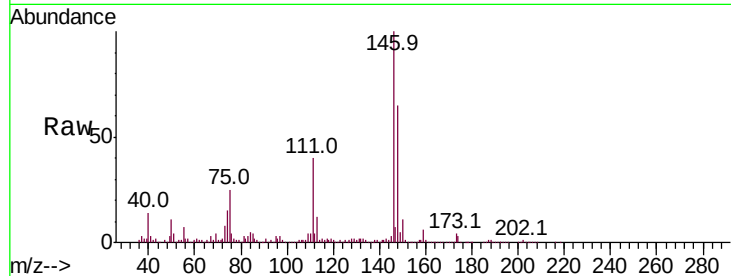
ClientSampleId :

VN0319MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 591389 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.5  | 19.1  | 57.3   |
| 148       | 63.7  | 32.4  | 97.0   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.432 ug/l

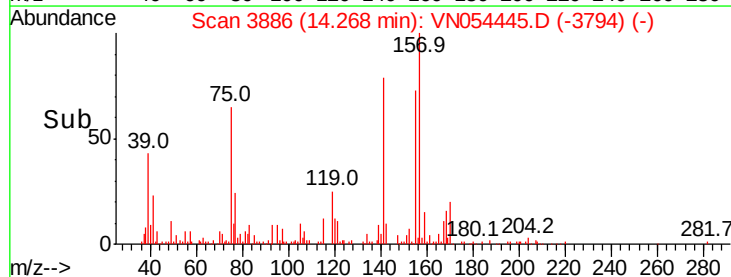
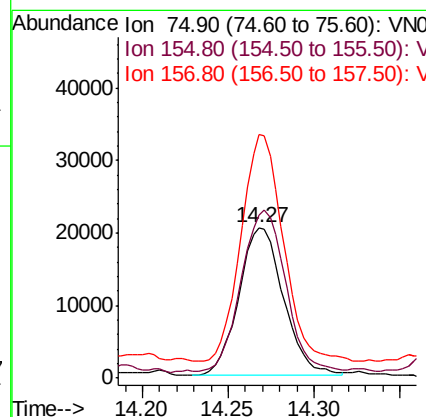
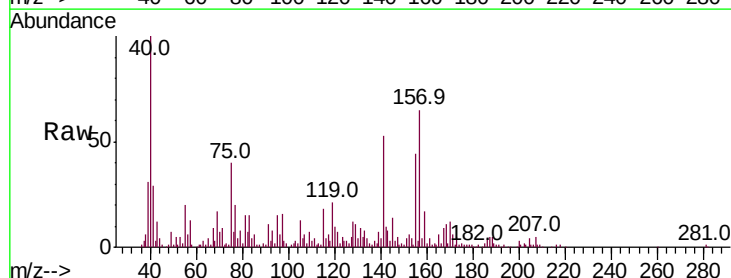
RT: 14.27 min Scan# 3886

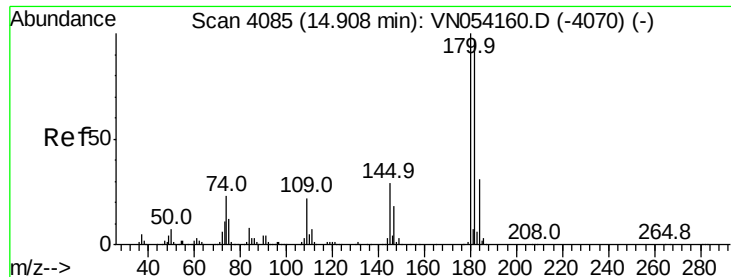
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 36529 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 107.8 | 50.1  | 150.3 |
| 157       | 146.2 | 63.1  | 189.3 |





#93

1,2,4-Trichlorobenzene

Concen: 19.414 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA\_N

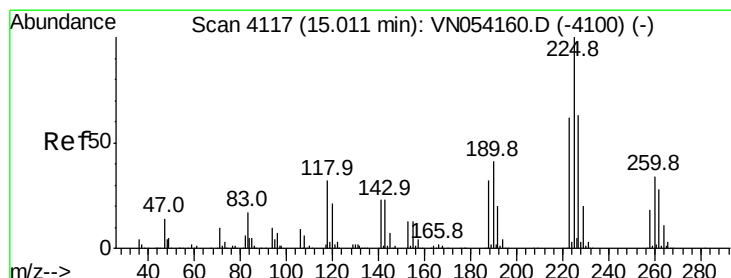
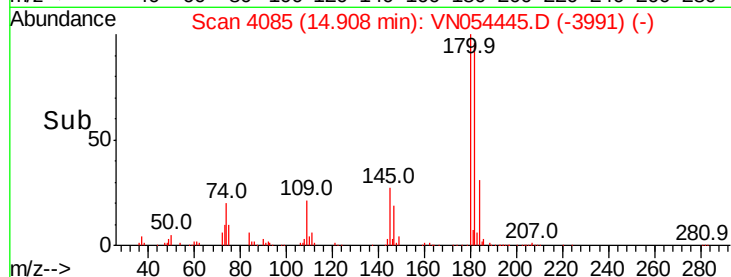
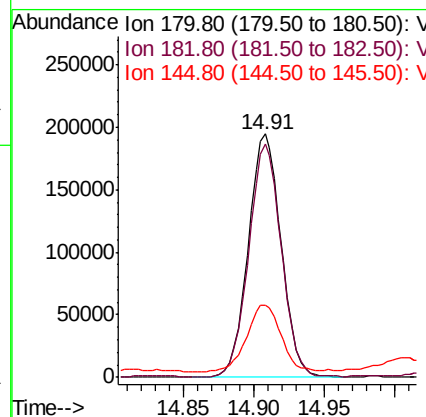
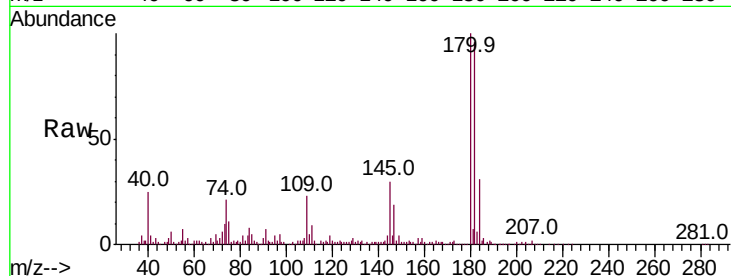
ClientSampleId :

VN0319MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 315726 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.5  | 48.0  | 144.2  |
| 145       | 28.5  | 14.2  | 42.8   |

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#94

Hexachlorobutadiene

Concen: 15.551 ug/l

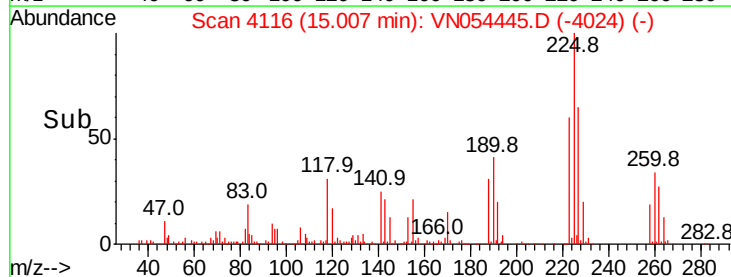
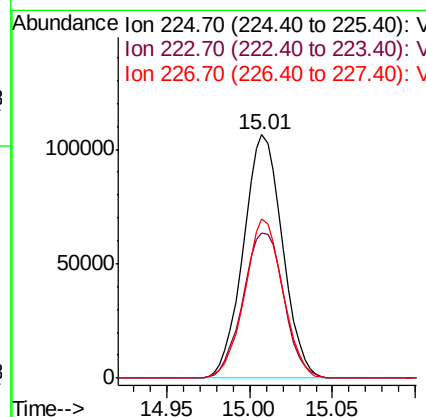
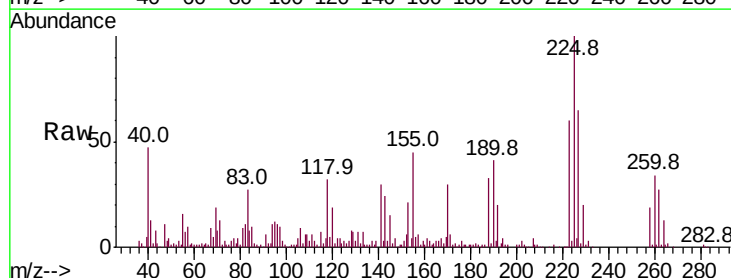
RT: 15.01 min Scan# 4116

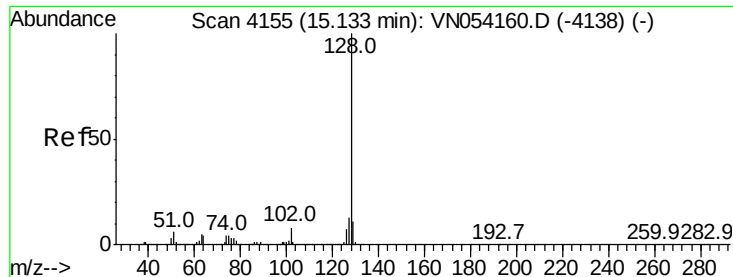
Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 174092 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.6  | 31.1  | 93.5   |
| 227       | 63.5  | 31.9  | 95.9   |





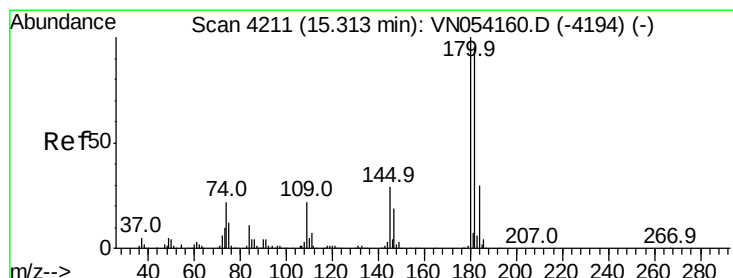
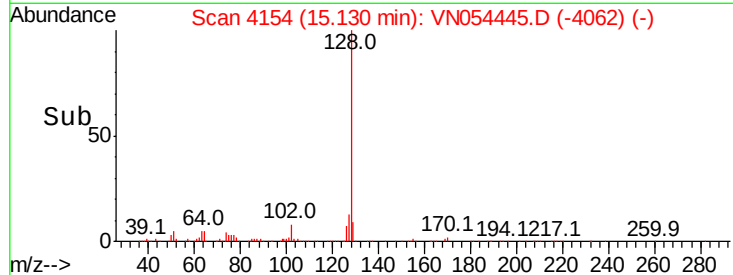
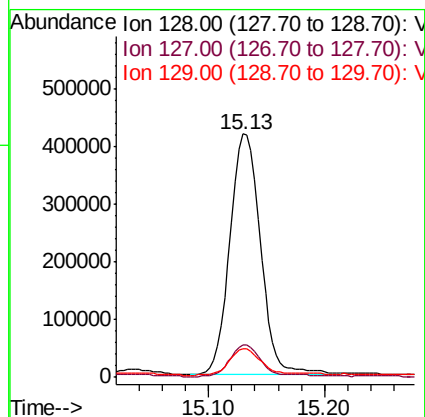
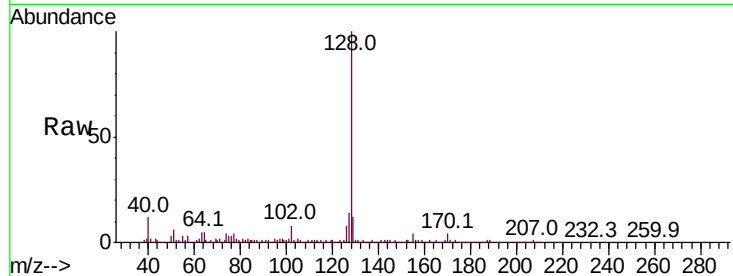
#95  
Naphthalene  
Concen: 22.770 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0319MBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 766593 |       |       |
| 127     | 13.6  | 10.1   | 15.1  |       |
| 129     | 11.1  | 8.7    | 13.1  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.305 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. -0.00 min  
Lab File: VN054445.D  
Acq: 19 Mar 2019 17:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 317085 |       |       |
| 182     | 97.4  | 47.5   | 142.6 |       |
| 145     | 36.4  | 14.8   | 44.3  |       |

