

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN120718\  
 Data File : VN052716.D  
 Acq On : 7 Dec 2018 10:17  
 Operator : MD\SY  
 Sample : VSTDCCC020  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

MMDadoda  
 12/10/2018 12:50:23 PM

Quant Time: Dec 07 12:58:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N112618W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Nov 27 00:48:33 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.19  | 128  | 157636   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 918035   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 811468   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 323642   | 30.13    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 100.43% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 372282   | 30.01    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 100.03% |
| 63) Toluene-d8            | 10.09  | 98    | 1116848  | 29.68    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 98.93%  |

## Target Compounds

|                               |      |     |        |              | Qvalue |
|-------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 182388 | 20.315 ug/l  | 99     |
| 3) Chloromethane              | 2.06 | 50  | 231410 | 19.435 ug/l  | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 242505 | 20.180 ug/l  | 97     |
| 5) Bromomethane               | 2.57 | 94  | 149614 | 21.835 ug/l  | 98     |
| 6) Chloroethane               | 2.71 | 64  | 144091 | 20.162 ug/l  | 98     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 315893 | 21.299 ug/l  | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 112533 | 20.549 ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 202236 | 21.510 ug/l  | 96     |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 184108 | 20.827 ug/l  | 99     |
| 11) Methyl Iodide             | 3.96 | 142 | 266293 | 21.697 ug/l  | 98     |
| 12) Methyl Acetate            | 4.33 | 43  | 160611 | 21.384 ug/l  | 100    |
| 13) Acrolein                  | 3.61 | 56  | 84536  | 95.815 ug/l  | 98     |
| 14) Acrylonitrile             | 4.99 | 53  | 327191 | 102.238 ug/l | 98     |
| 15) Acetone                   | 3.82 | 58  | 108285 | 130.653 ug/l | 96     |
| 16) Carbon Disulfide          | 4.06 | 76  | 549654 | 19.640 ug/l  | 99     |
| 17) Allyl chloride            | 4.33 | 41  | 313988 | 20.367 ug/l  | 96     |
| 18) Methylene Chloride        | 4.55 | 84  | 219620 | 21.457 ug/l  | 96     |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96  | 199156 | 20.935 ug/l  | 94     |
| 20) Diisopropyl ether         | 5.95 | 45  | 677123 | 20.901 ug/l  | 98     |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 389681 | 21.104 ug/l  | 100    |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 232307 | 21.307 ug/l  | 98     |
| 23) tert-Butyl Alcohol        | 4.78 | 59  | 48759m | 102.419 ug/l |        |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 492524 | 21.238 ug/l  | 99     |
| 25) Chloroform                | 7.37 | 83  | 380842 | 21.379 ug/l  | 99     |
| 26) Cyclohexane               | 7.65 | 56  | 352203 | 20.224 ug/l  | # 99   |
| 29) 1,1-Dichloropropene       | 7.79 | 75  | 295601 | 21.085 ug/l  | 100    |
| 30) 2-Butanone                | 6.83 | 43  | 404106 | 107.723 ug/l | 99     |
| 31) 2,2-Dichloropropane       | 6.82 | 77  | 281049 | 21.776 ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 309028 | 21.184 ug/l  | 98     |
| 33) Carbon Tetrachloride      | 7.77 | 117 | 277117 | 21.711 ug/l  | 99     |
| 34) Benzene                   | 8.04 | 78  | 882779 | 20.944 ug/l  | 99     |
| 35) Methacrylonitrile         | 7.17 | 41  | 89500  | 19.230 ug/l  | 98     |
| 36) 1,2-Dichloroethane        | 8.12 | 62  | 265548 | 20.790 ug/l  | 99     |
| 37) Trichloroethene           | 8.83 | 130 | 230115 | 21.530 ug/l  | 100    |
| 38) Methylcyclohexane         | 9.08 | 83  | 359060 | 20.690 ug/l  | 99     |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 231254 | 20.468 ug/l  | 99     |
| 40) Dibromomethane            | 9.21 | 93  | 131406 | 21.522 ug/l  | 97     |

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Manual Integrations  
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 12/10/2018 12:50:23 PM

Quant Time: Dec 07 12:58:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N112618W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Nov 27 00:48:33 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 284941   | 21.123  | ug/l   | 99       |
| 42) Vinyl Acetate              | 5.90  | 43   | 2028531  | 99.942  | ug/l   | 99       |
| 43) Ethyl Acetate              | 6.93  | 43   | 167137   | 20.953  | ug/l # | 72       |
| 44) Isopropyl Acetate          | 8.16  | 43   | 289350   | 20.683  | ug/l   | 97       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 30781    | 402.191 | ug/l   | 96       |
| 46) Methyl methacrylate        | 9.20  | 41   | 148199   | 20.403  | ug/l   | 97       |
| 47) n-amyl Acetate             | 12.07 | 43   | 228513   | 19.700  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 272207   | 20.811  | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 327456   | 20.549  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 189420   | 21.886  | ug/l   | 100      |
| 51) Ethyl methacrylate         | 10.43 | 69   | 221673   | 20.393  | ug/l   | 97       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 325425   | 21.125  | ug/l   | 98       |
| 53) Dibromochloromethane       | 10.90 | 129  | 203159   | 21.321  | ug/l   | 96       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 181222   | 21.428  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 646586   | 101.621 | ug/l   | 99       |
| 56) Bromoform                  | 12.13 | 173  | 133287   | 21.401  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone       | 9.98  | 43   | 818592   | 104.054 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 578569   | 107.660 | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 227283   | 22.741  | ug/l   | 98       |
| 62) Toluene                    | 10.16 | 91   | 941161   | 21.039  | ug/l   | 100      |
| 64) Chlorobenzene              | 11.43 | 112  | 575087   | 21.062  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 202903   | 21.409  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 1008392  | 20.915  | ug/l   | 100      |
| 67) m/p-Xylenes                | 11.62 | 106  | 761323   | 42.385  | ug/l   | 99       |
| 68) o-Xylene                   | 11.95 | 106  | 371568   | 21.313  | ug/l   | 98       |
| 69) Styrene                    | 11.96 | 104  | 589715   | 20.957  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 996073   | 21.474  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 213578   | 21.167  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 176744m  | 20.405  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 240535   | 21.441  | ug/l   | 97       |
| 74) n-propylbenzene            | 12.59 | 91   | 1145678  | 21.198  | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 669435   | 21.339  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 807135   | 21.543  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 55635    | 20.333  | ug/l   | 96       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 665880   | 21.255  | ug/l   | 98       |
| 79) tert-butylbenzene          | 12.99 | 119  | 714340   | 21.893  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 812351   | 21.669  | ug/l   | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 971394   | 21.374  | ug/l   | 99       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 842671   | 21.775  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 429390   | 21.762  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 414409   | 21.739  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 696248   | 20.945  | ug/l   | 100      |
| 86) Hexachloroethane           | 13.88 | 117  | 141263   | 21.544  | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 412226   | 21.955  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 31111    | 22.011  | ug/l   | 99       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 195895   | 21.176  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 143395   | 23.630  | ug/l   | 98       |
| 91) Naphthalene                | 15.13 | 128  | 377522   | 20.209  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 188697   | 22.134  | ug/l   | 98       |

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Sample : VSTDCCC020  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Manual Integrations  
APPROVED

MMDadoda  
12/10/2018 12:50:23 PM

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Nov 27 00:48:33 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

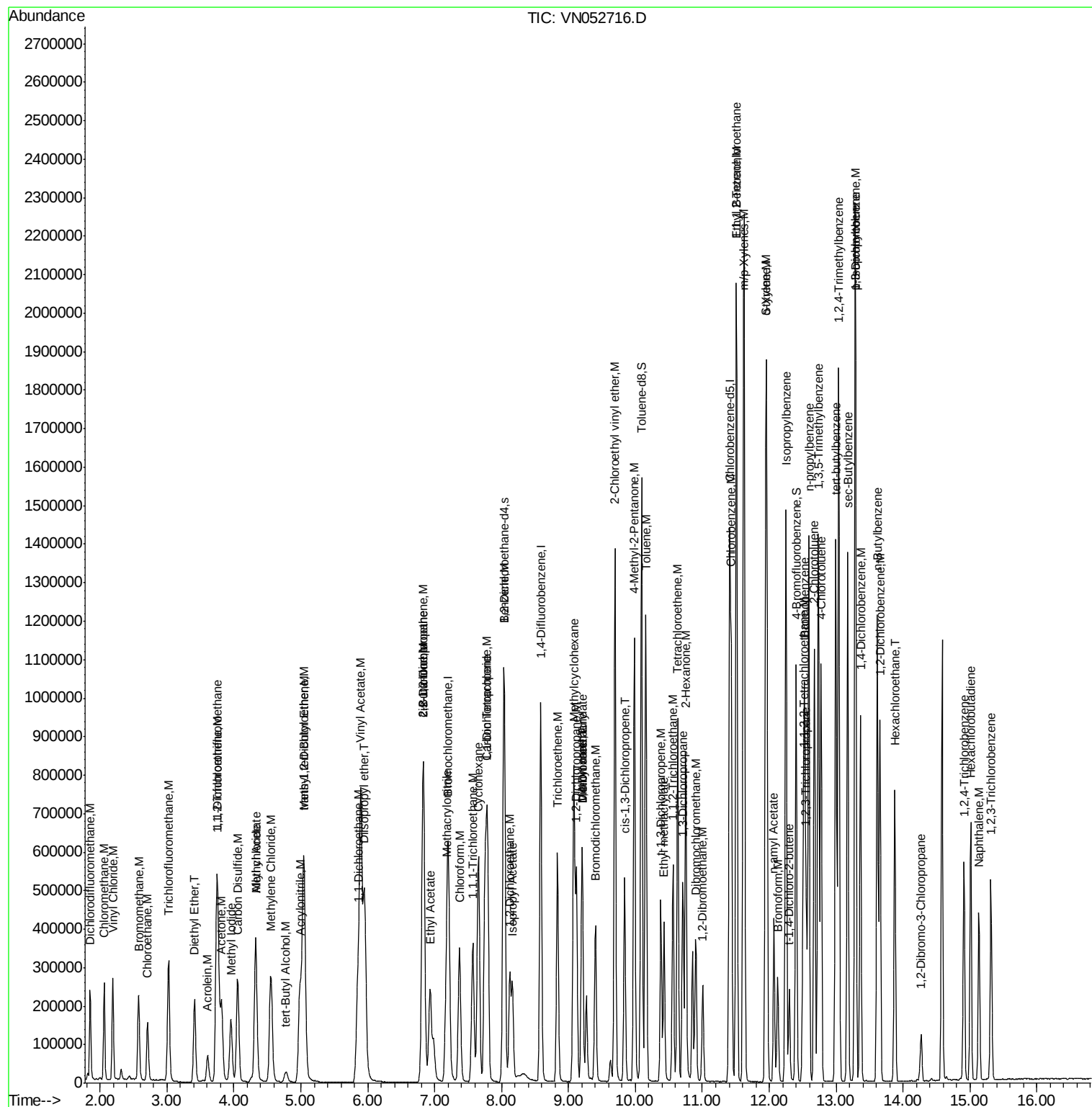
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Data File : VN052716.D  
Acq On : 7 Dec 2018 10:17  
Operator : MD\SY  
Sample : VSTDCCC020  
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ALS Vial : 2 Sample Multiplier: 28

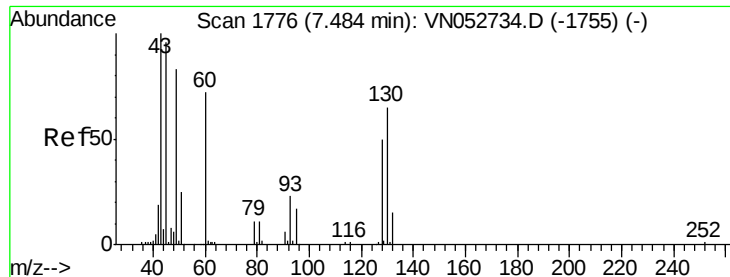
Instrument :  
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VSTDCCC020

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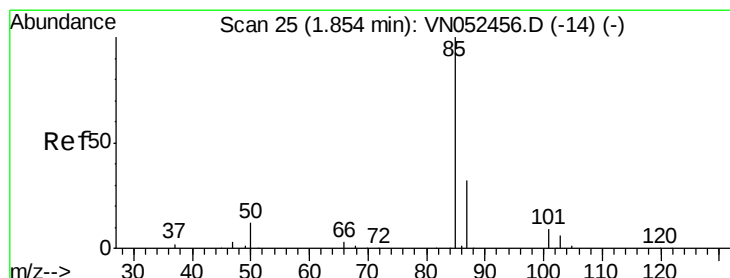
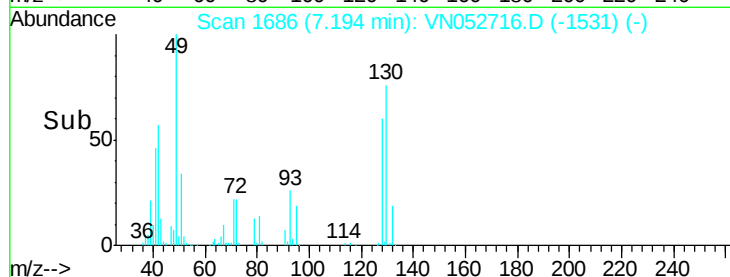
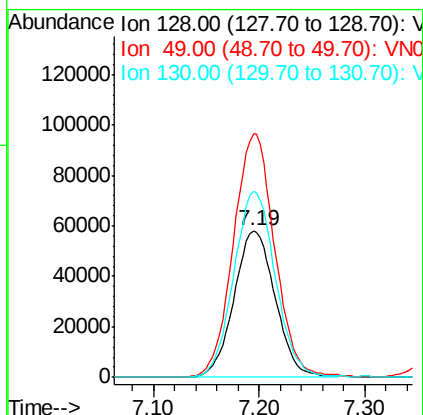
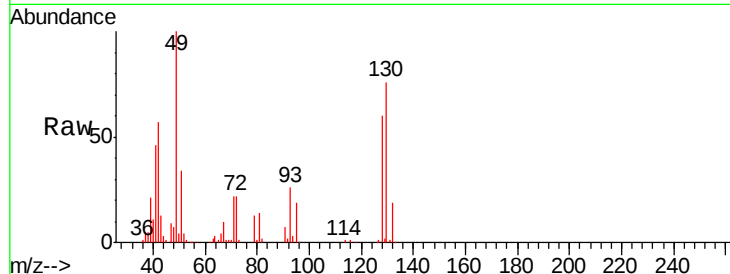
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Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.19 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 157636 |       |       |
| 49      | 166.9 | 0.0    | 431.8 |       |
| 130     | 128.3 | 0.0    | 317.0 |       |

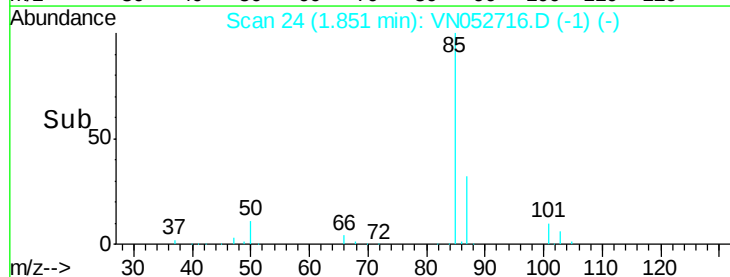
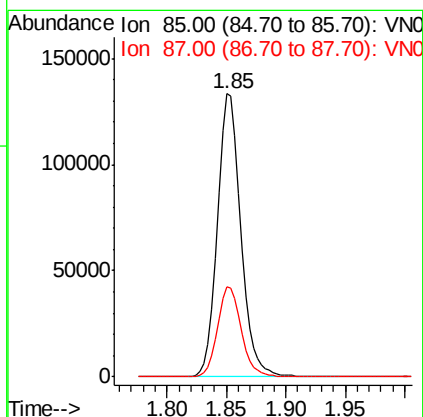
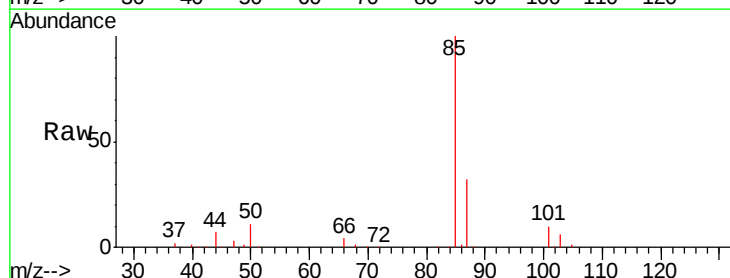
Manual Integrations  
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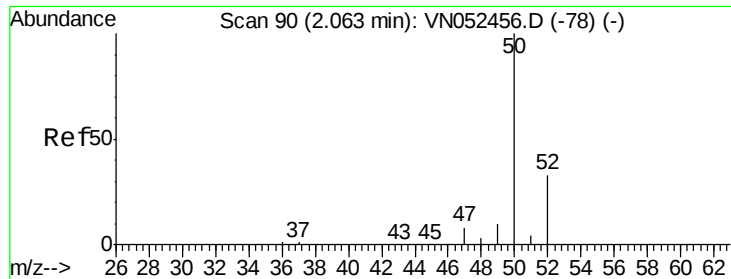
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12/10/2018 12:50:23 PM



#2  
Dichlorodifluoromethane  
Concen: 20.315 ug/l  
RT: 1.85 min Scan# 24  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 85      | 100   | 182388 |       |       |
| 87      | 31.6  | 16.1   | 48.3  |       |





#3

Chloromethane

Concen: 19.435 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 231410

Ion Ratio Lower Upper

50 100

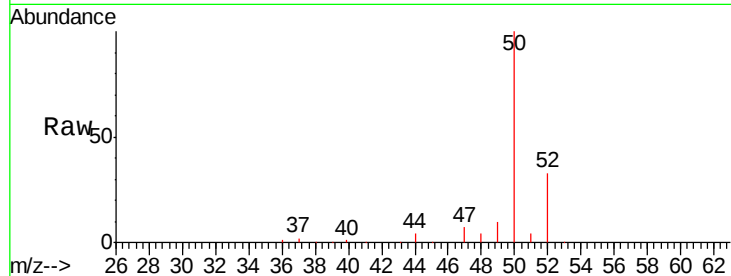
52 33.0 26.5 39.7

Manual Integrations

APPROVED

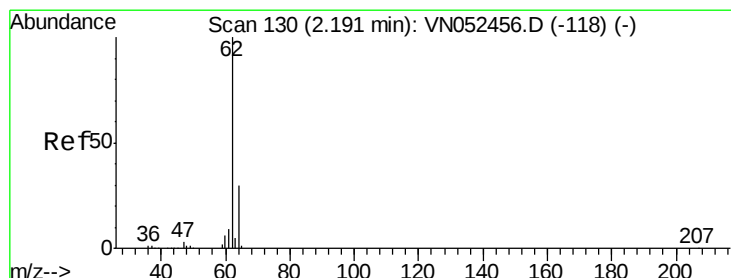
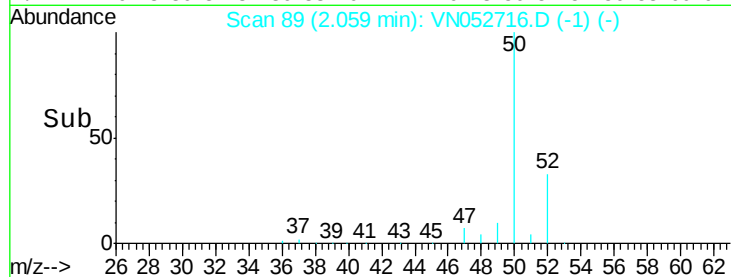
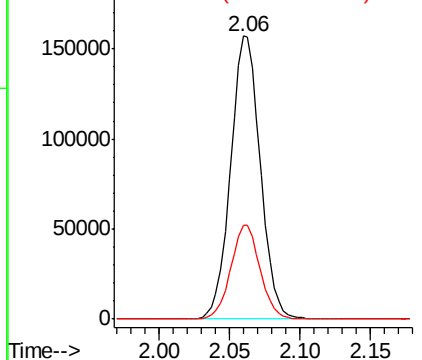
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12/10/2018 12:50:23 PM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.180 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052716.D

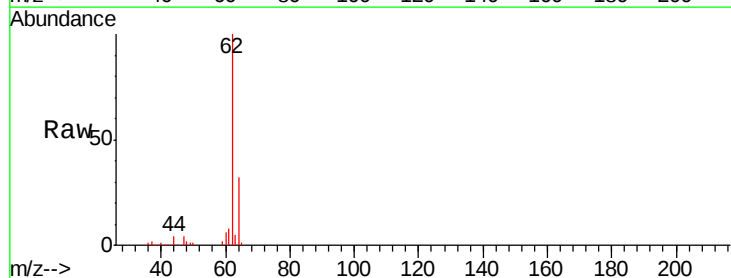
Acq: 7 Dec 2018 10:17

Tgt Ion: 62 Resp: 242505

Ion Ratio Lower Upper

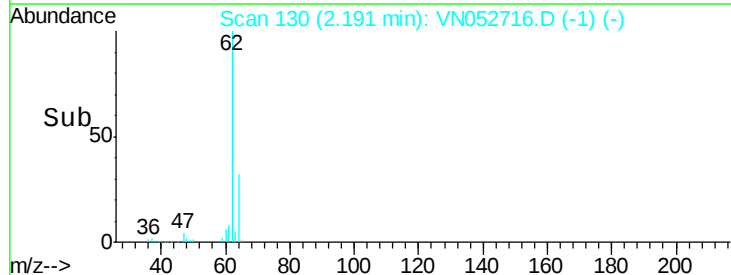
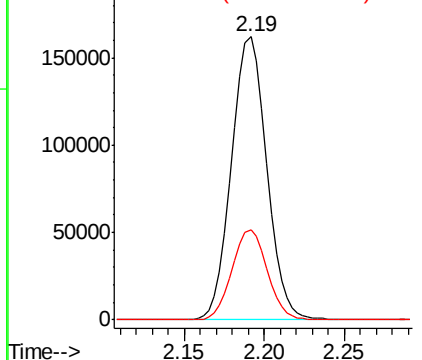
62 100

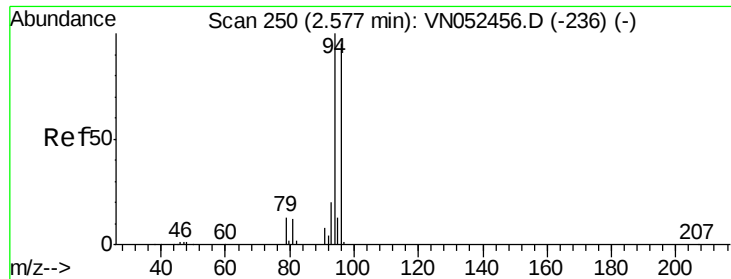
64 32.1 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.835 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 94 Resp: 149614

Ion Ratio Lower Upper

94 100

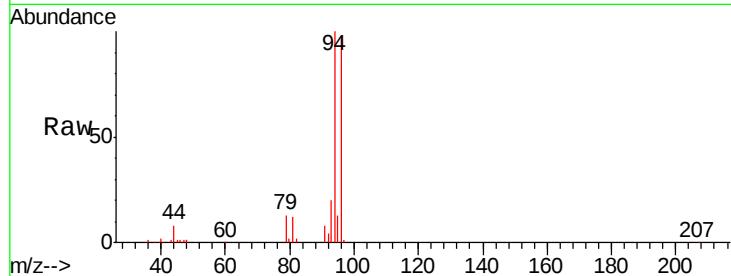
96 96.8 76.2 114.2

Manual Integrations

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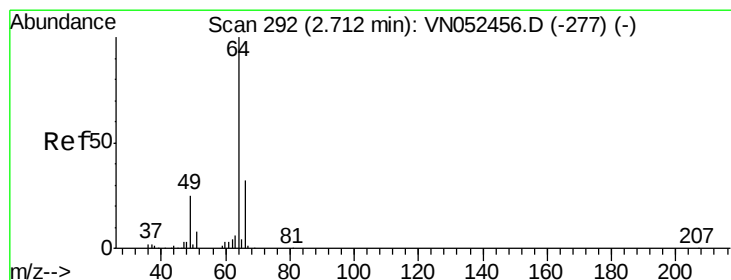
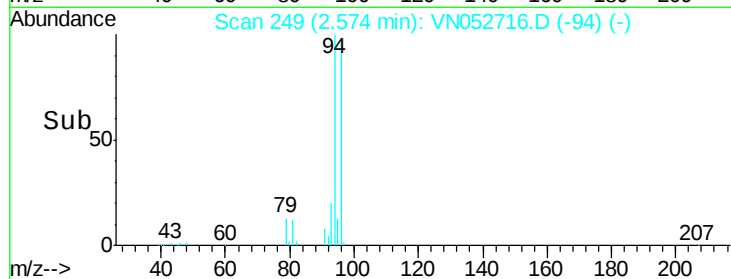
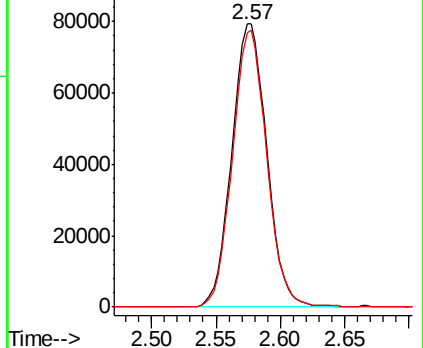
MMDadoda

12/10/2018 12:50:23 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.162 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052716.D

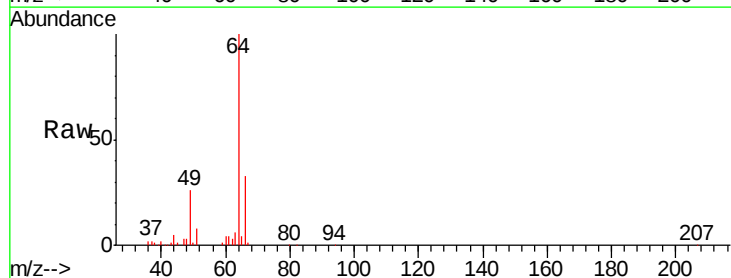
Acq: 7 Dec 2018 10:17

Tgt Ion: 64 Resp: 144091

Ion Ratio Lower Upper

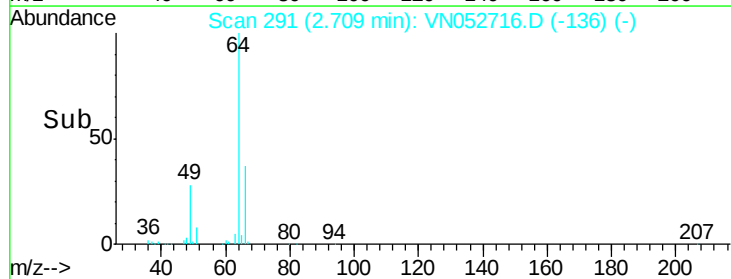
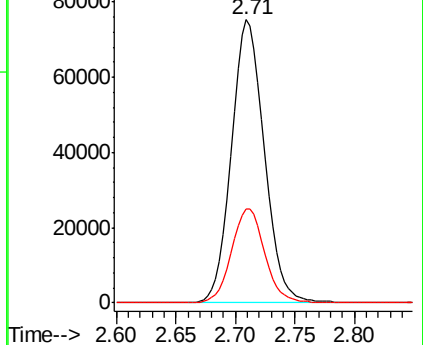
64 100

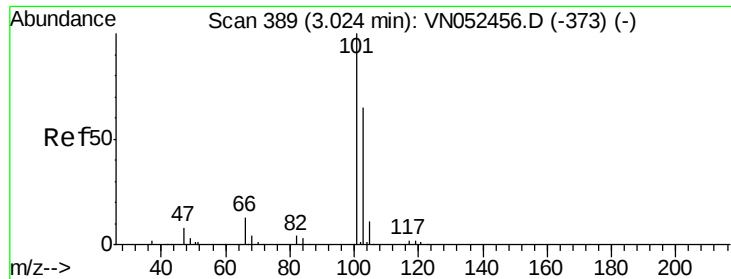
66 33.0 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

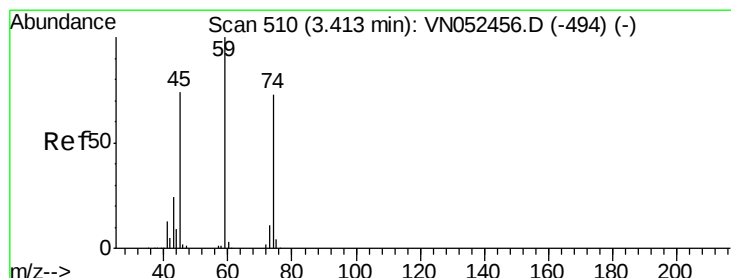
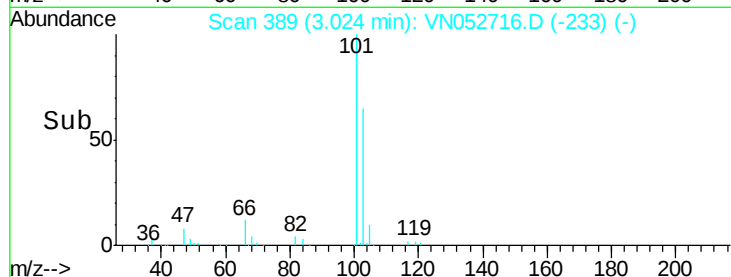
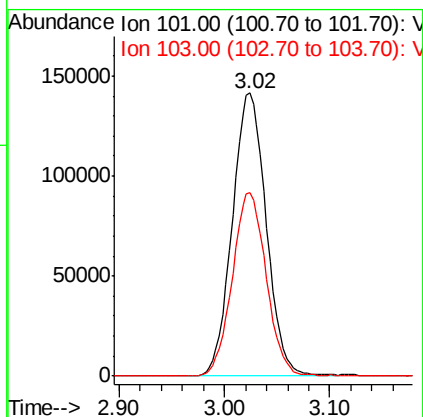
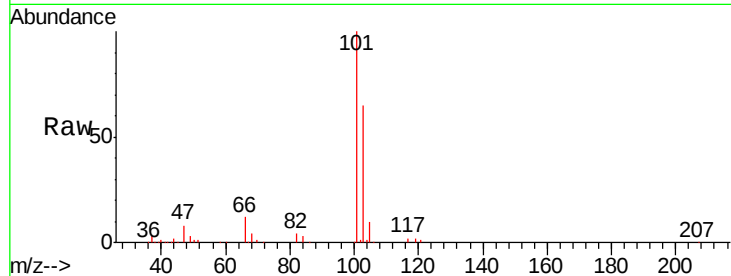
Trichlorofluoromethane  
Concen: 21.299 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.6  | 52.1  | 78.1  |

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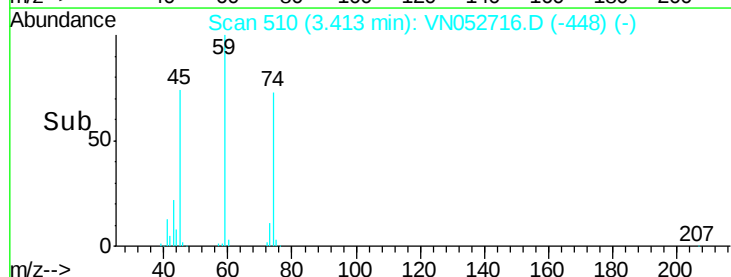
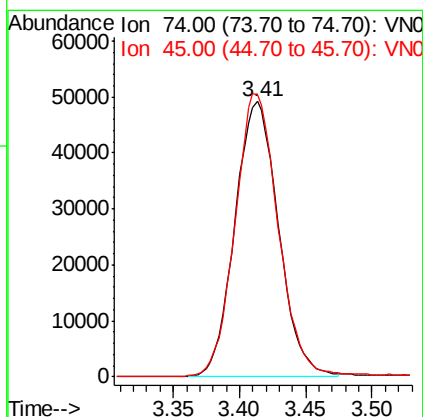
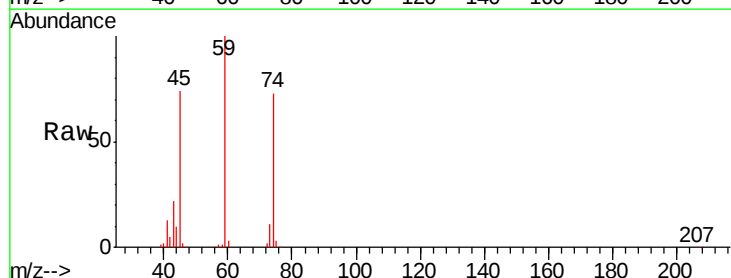
MMDadoda  
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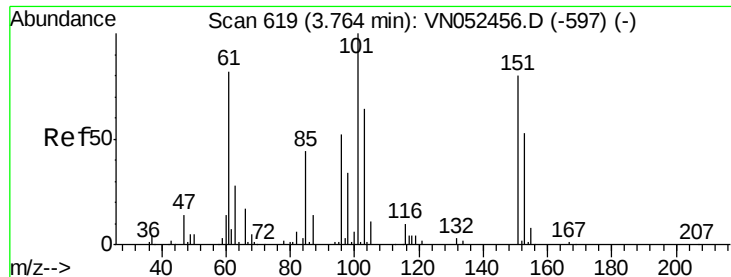


#8

Diethyl Ether  
Concen: 20.549 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 101.7 | 20.6  | 185.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.510 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

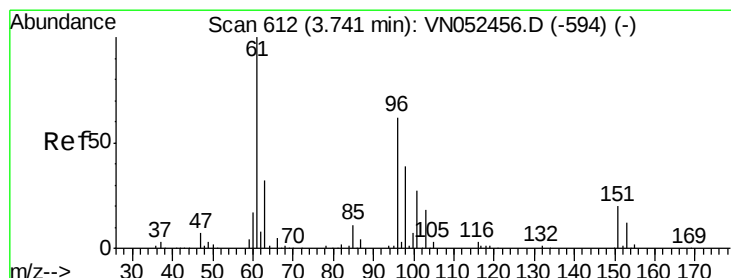
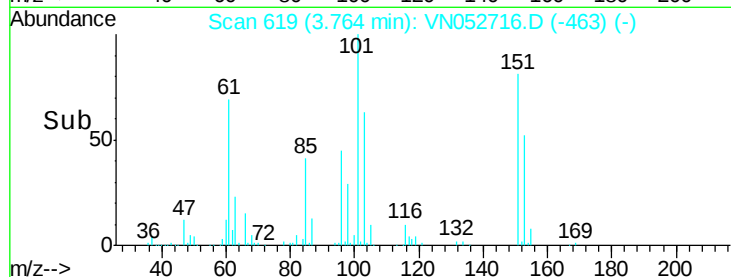
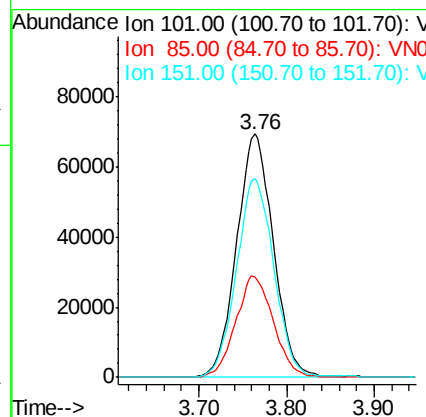
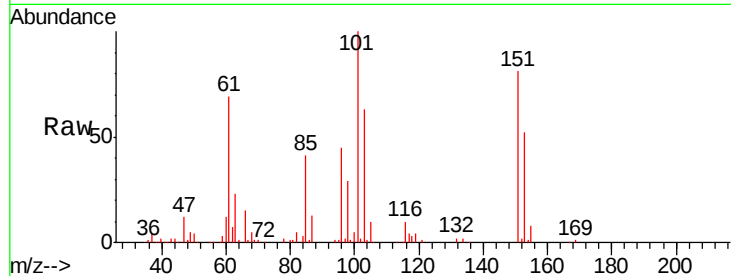
ClientSampleId :

VSTDCCC020

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 101  | Resp: | 202236 |
| Ion Ratio |      | Lower | Upper  |
| 101       | 100  |       |        |
| 85        | 42.6 | 0.0   | 82.6   |
| 151       | 83.0 | 0.0   | 158.4  |

Manual Integrations  
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#10

1,1-Dichloroethene

Concen: 20.827 ug/l

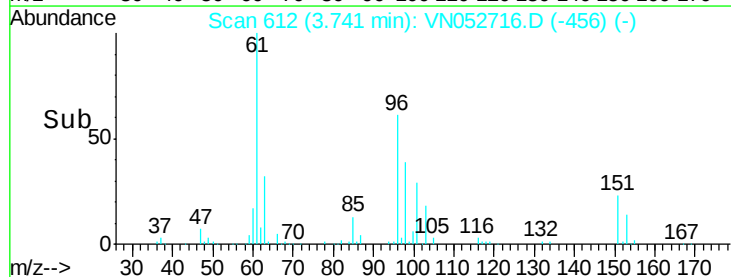
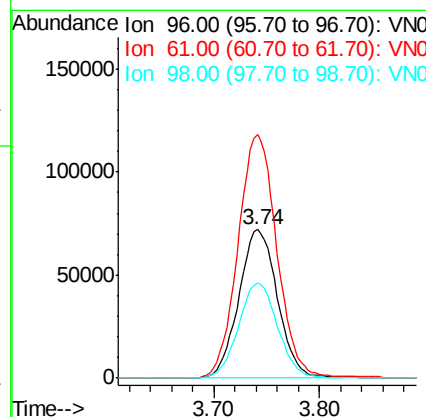
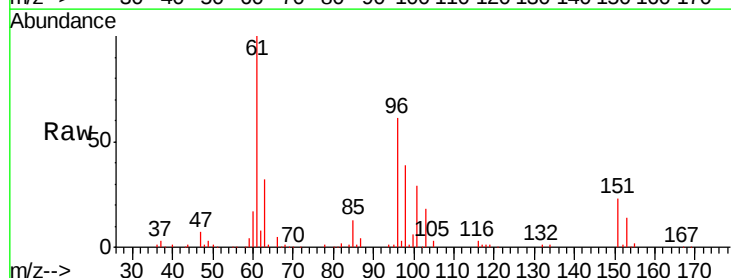
RT: 3.74 min Scan# 612

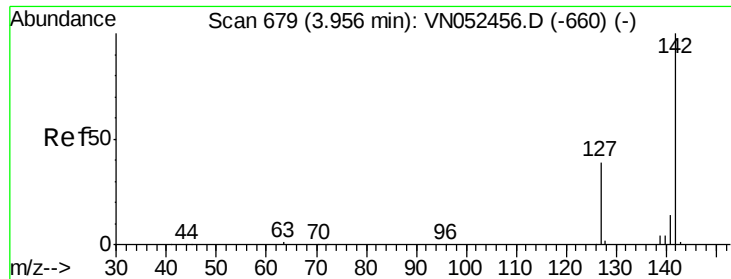
Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 184108 |
| Ion Ratio |       | Lower | Upper  |
| 96        | 100   |       |        |
| 61        | 163.8 | 129.4 | 194.2  |
| 98        | 63.7  | 50.4  | 75.6   |





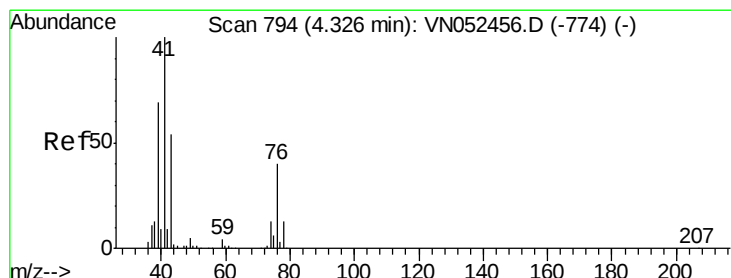
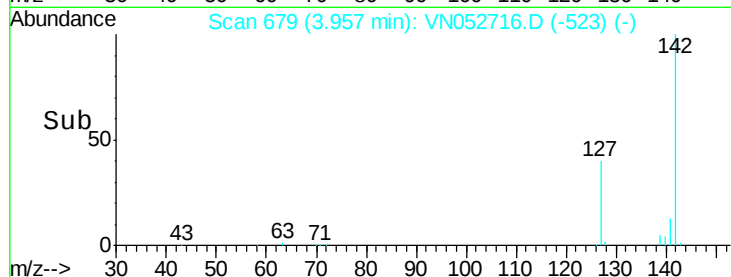
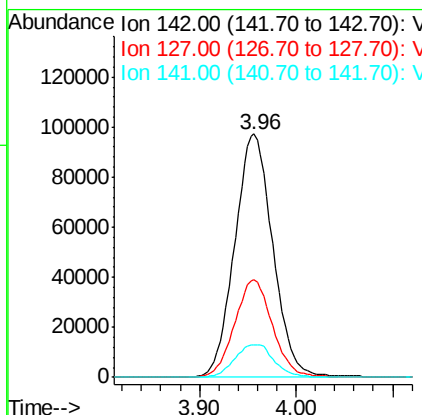
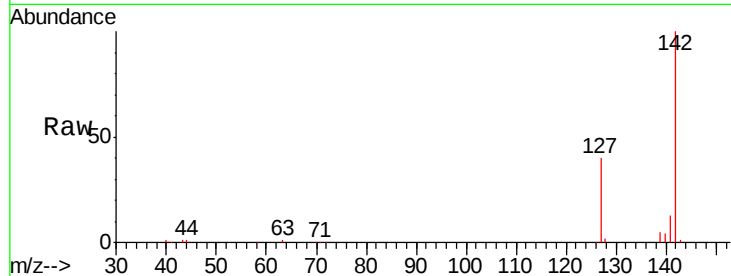
#11  
Methyl Iodide  
Concen: 21.697 ug/l  
RT: 3.96 min Scan# 679  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 39.8  | 19.4  | 58.1  |
| 141     | 13.4  | 7.2   | 21.6  |

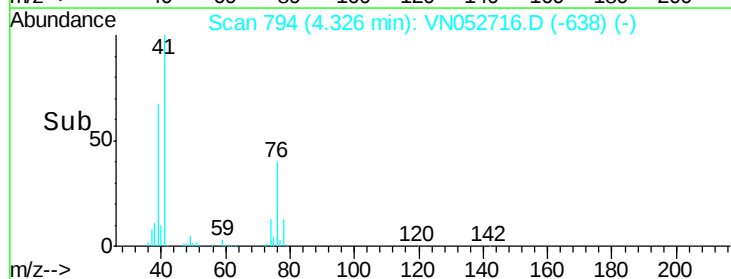
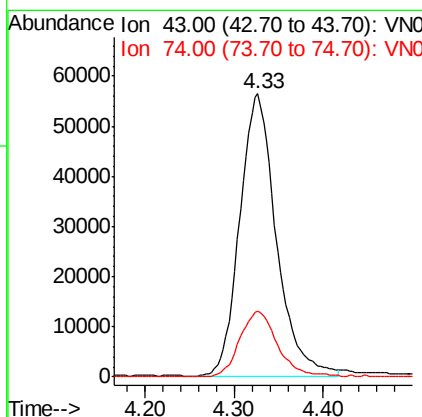
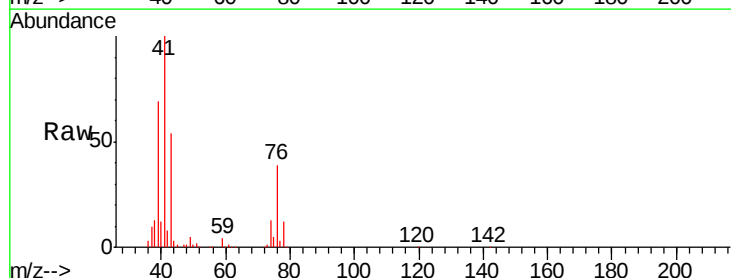
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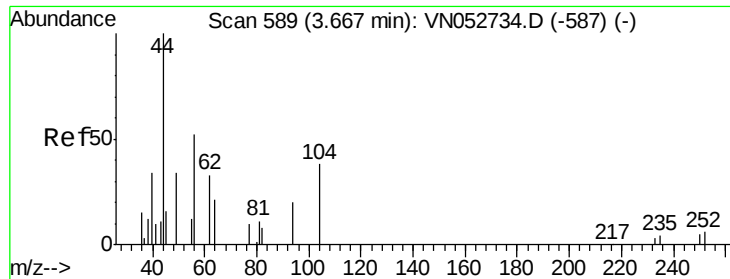
MMDadoda  
12/10/2018 12:50:23 PM



#12  
Methyl Acetate  
Concen: 21.384 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.5  | 18.9  | 28.3  |





#13

Acrolein

Concen: 95.815 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 56 Resp: 84536

Ion Ratio Lower Upper

56 100

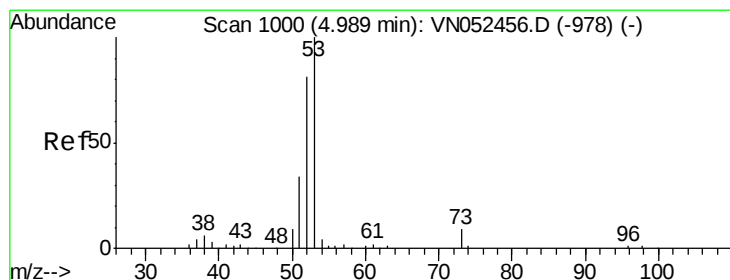
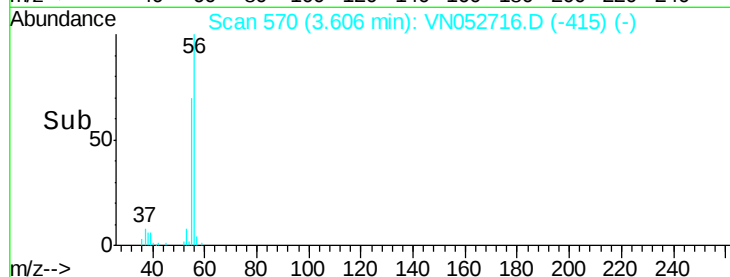
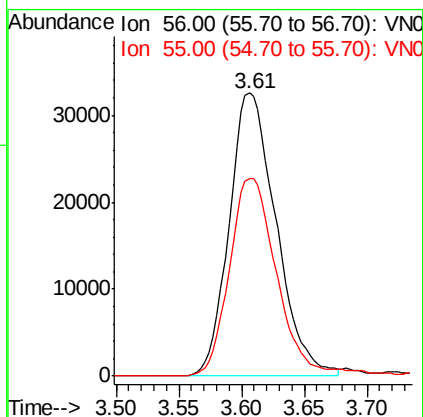
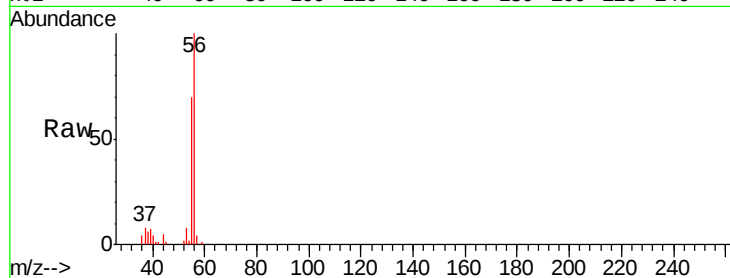
55 69.6 56.7 85.1

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#14

Acrylonitrile

Concen: 102.238 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

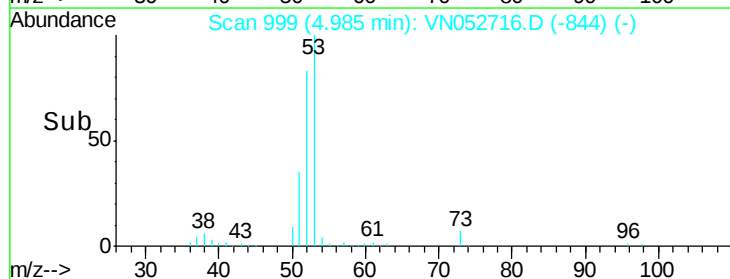
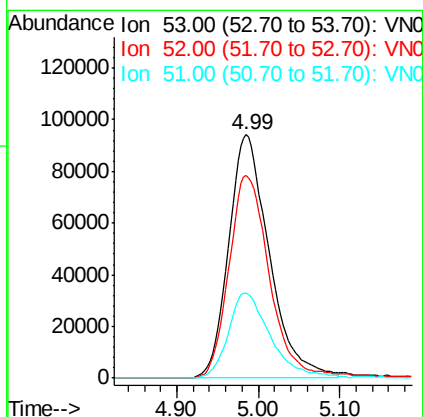
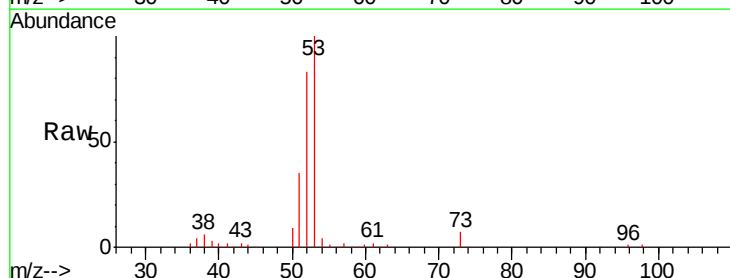
Tgt Ion: 53 Resp: 327191

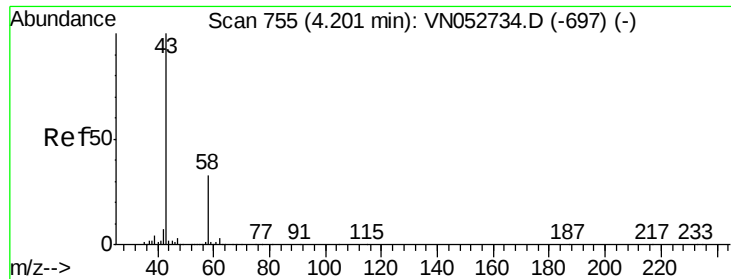
Ion Ratio Lower Upper

53 100

52 82.0 39.9 119.7

51 36.3 17.6 52.9





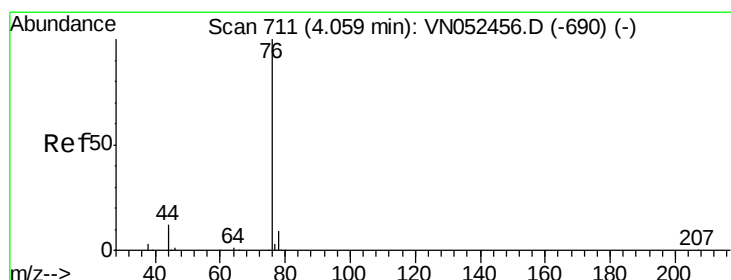
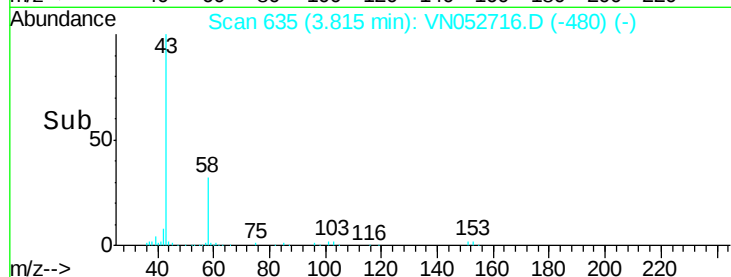
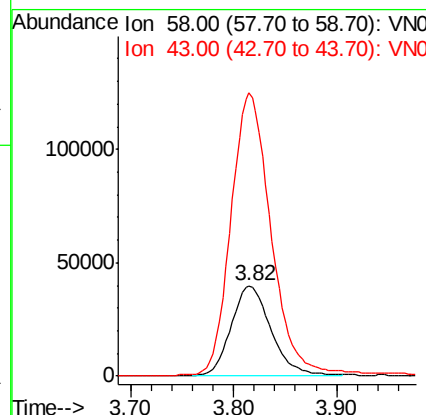
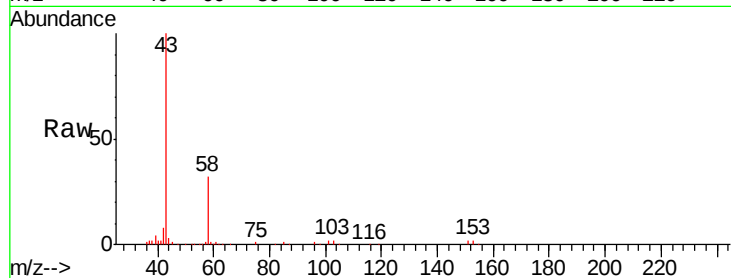
#15  
Acetone  
Concen: 130.653 ug/l  
RT: 3.82 min Scan# 635  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 58      | 100   |       |       |
| 43      | 312.7 | 243.6 | 365.4 |

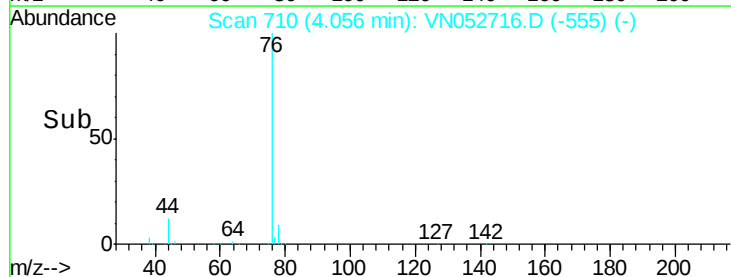
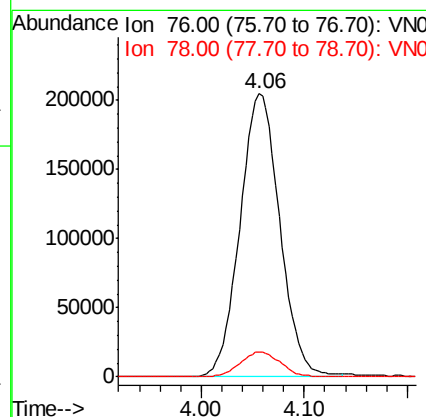
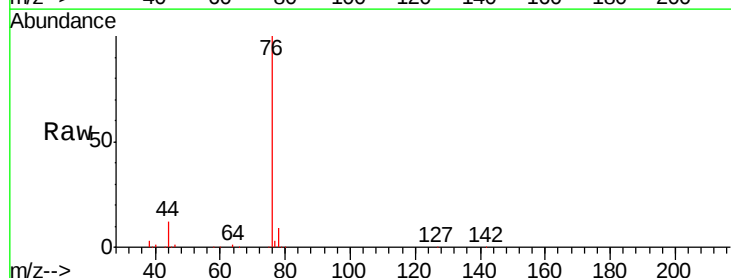
Manual Integrations  
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#16  
Carbon Disulfide  
Concen: 19.640 ug/l  
RT: 4.06 min Scan# 710  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.3   | 10.9  |





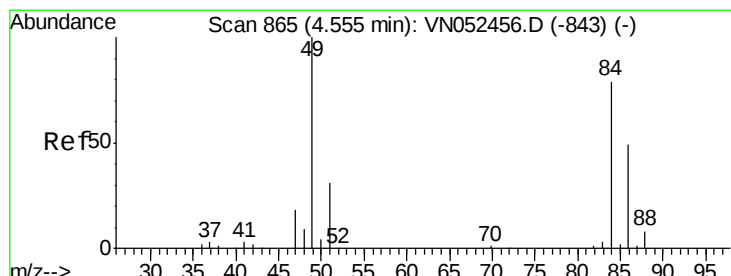
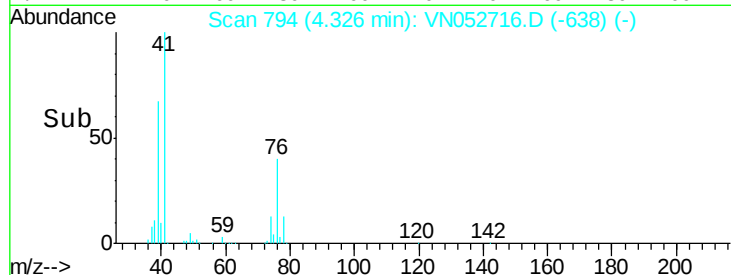
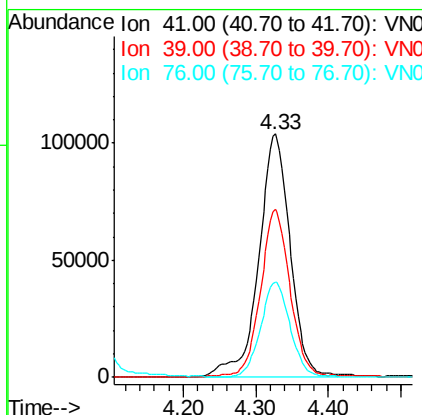
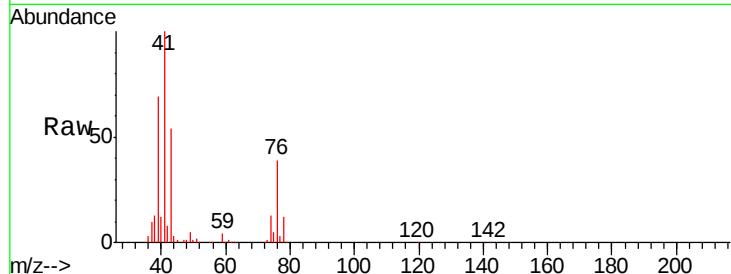
#17  
 Allyl chloride  
 Concen: 20.367 ug/l  
 RT: 4.33 min Scan# 794  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 69.1  | 32.8  | 98.3  |
| 76      | 38.9  | 18.6  | 55.8  |

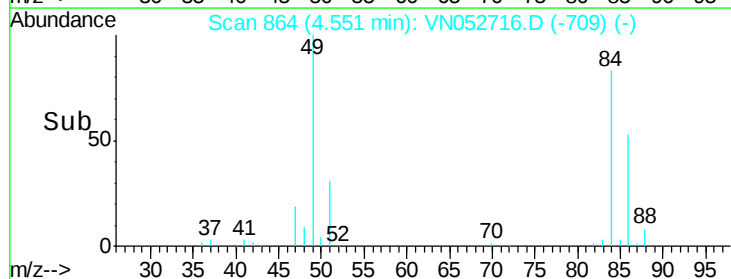
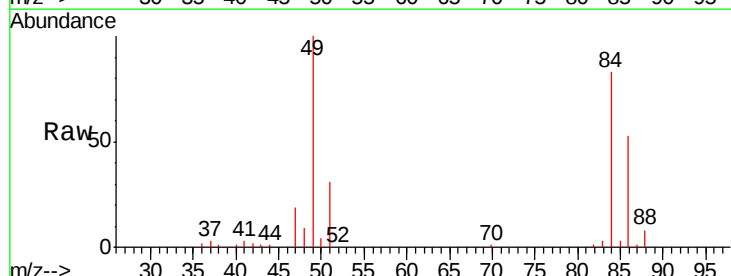
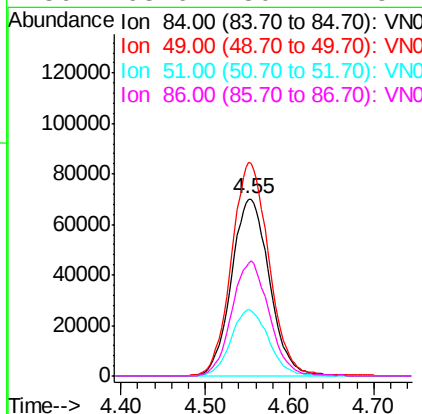
Manual Integrations  
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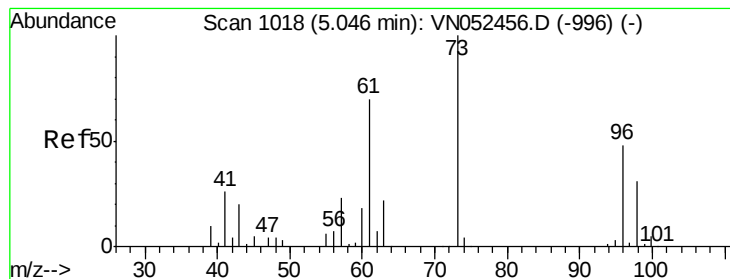
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#18  
 Methylene Chloride  
 Concen: 21.457 ug/l  
 RT: 4.55 min Scan# 864  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 120.6 | 101.4 | 152.0 |
| 51      | 37.7  | 31.7  | 47.5  |
| 86      | 63.6  | 50.1  | 75.1  |





#19

trans-1,2-Dichloroethene

Concen: 20.935 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

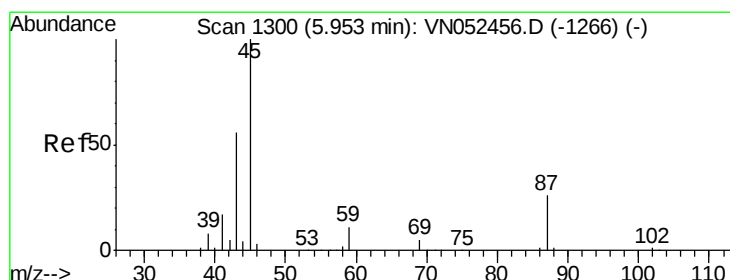
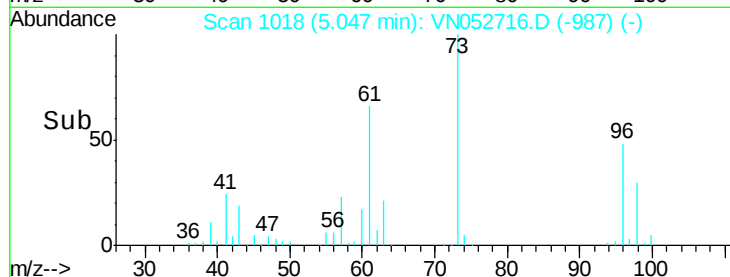
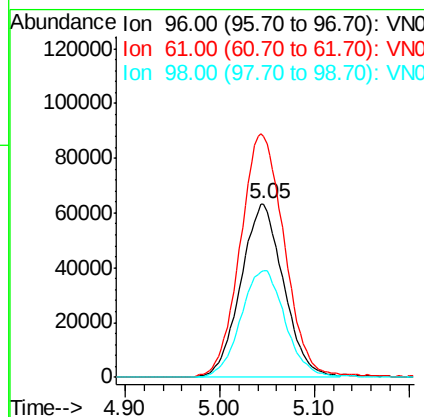
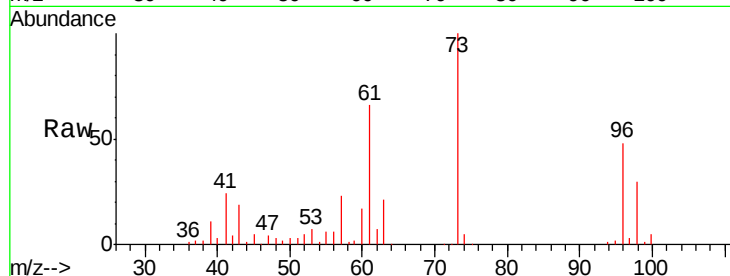
ClientSampleId :

VSTDCCC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 199156 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 138.2 | 118.2 | 177.4  |
| 98       | 61.6  | 51.4  | 77.2   |

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#20

Diisopropyl ether

Concen: 20.901 ug/l

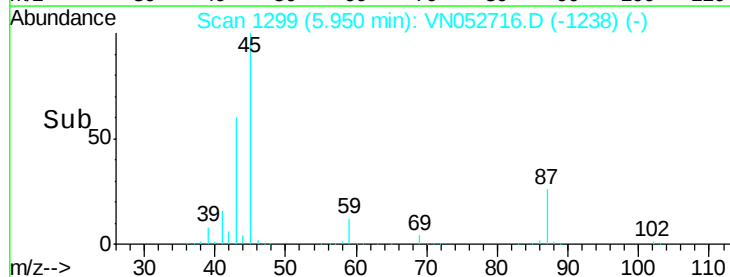
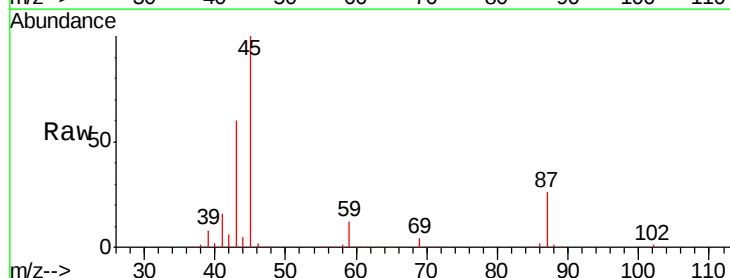
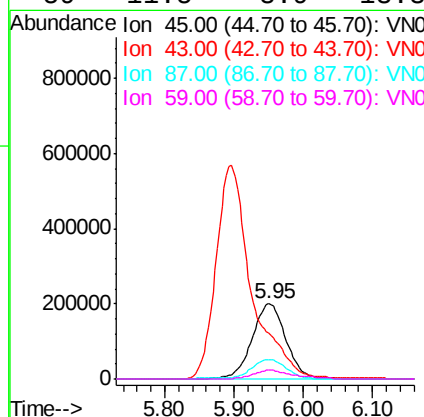
RT: 5.95 min Scan# 1299

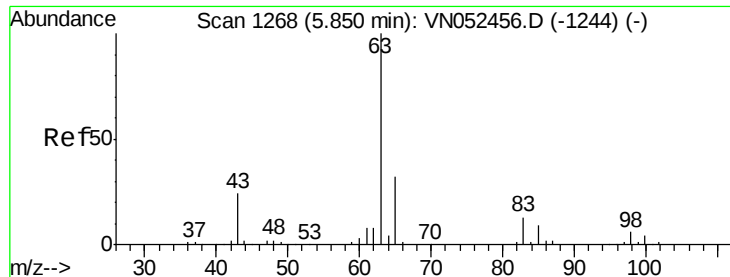
Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 677123 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 58.6  | 47.8  | 71.8   |
| 87       | 25.5  | 21.3  | 31.9   |
| 59       | 11.5  | 8.9   | 13.3   |





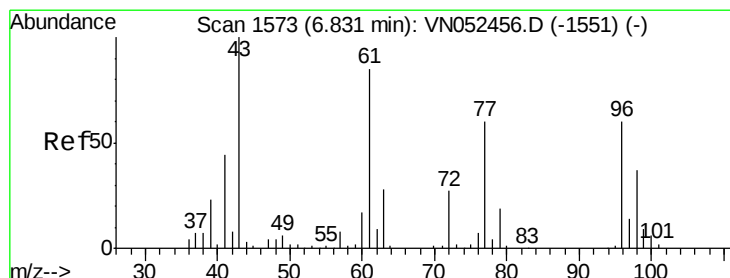
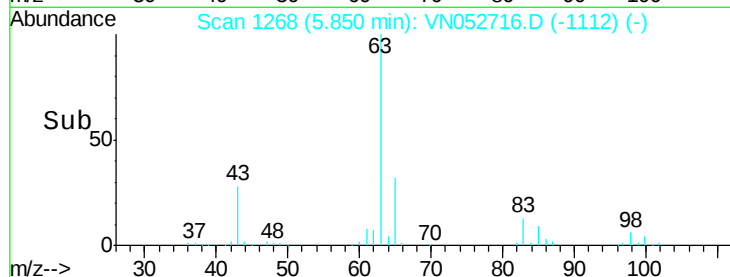
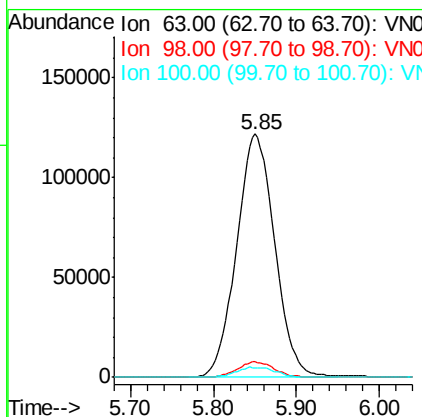
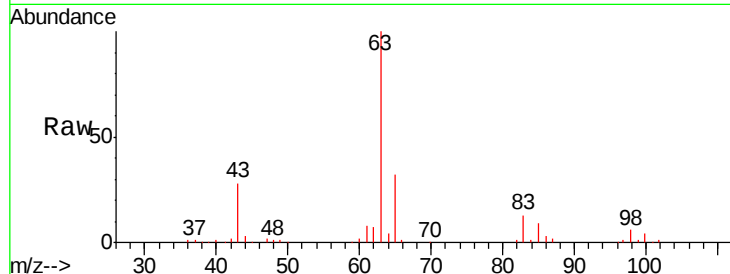
#21  
 1,1-Dichloroethane  
 Concen: 21.104 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 389681 |       |       |
| 98      | 6.3   | 3.0    | 9.2   |       |
| 100     | 3.8   | 1.8    | 5.5   |       |

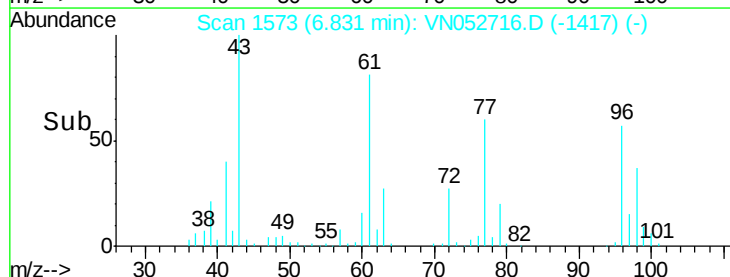
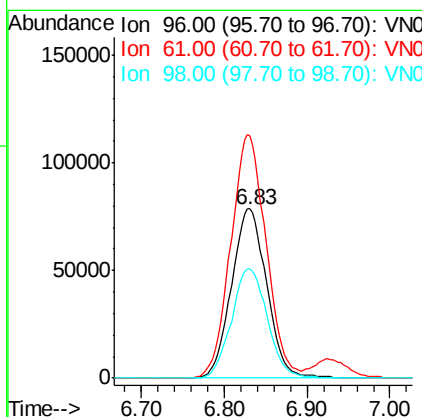
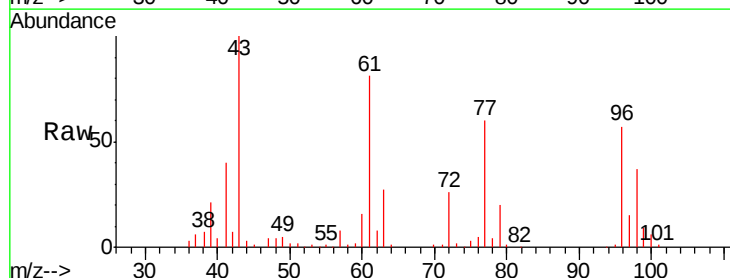
Manual Integrations  
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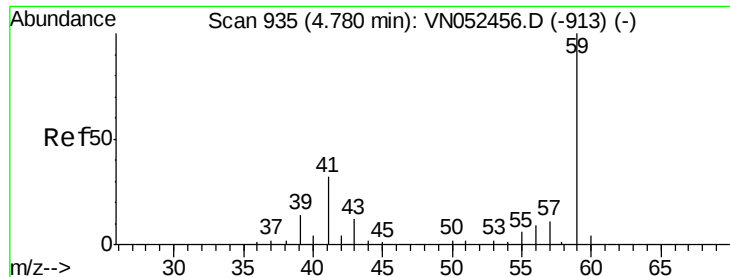
MMDadoda  
 12/10/2018 12:50:23 PM



#22  
 cis-1,2-Dichloroethene  
 Concen: 21.307 ug/l  
 RT: 6.83 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 232307 |       |       |
| 61      | 144.0 | 116.7  | 175.1 |       |
| 98      | 65.5  | 50.8   | 76.2  |       |





#23

tert-Butyl Alcohol

Concen: 102.419 ug/l m

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 59 Resp: 48759

Ion Ratio Lower Upper

59 100

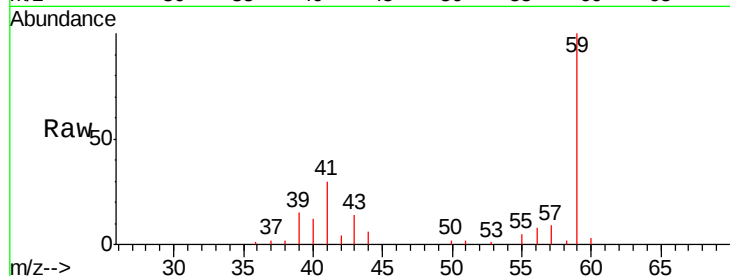
52 0.0 0.0 0.0

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Abundance Ion 59.00 (58.70 to 59.70): VN052716.D (-779) (-)

Ion 52.00 (51.70 to 52.70): VN052716.D (-779) (-)

15000

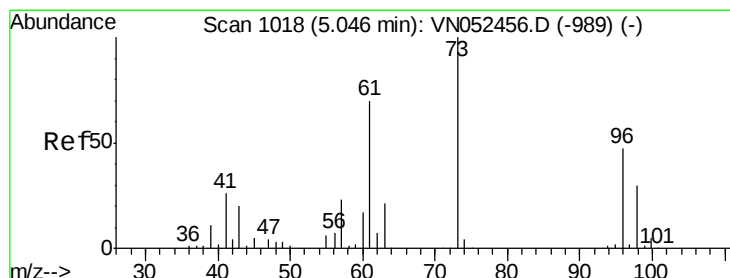
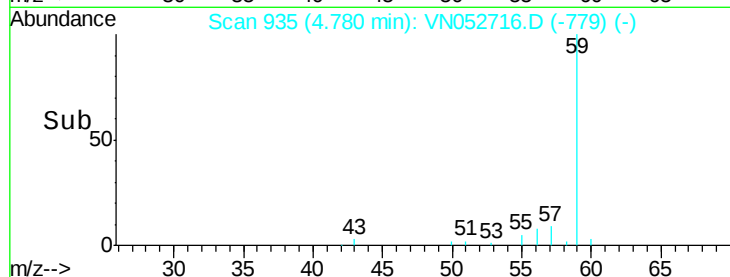
10000

5000

0

4.70 4.80 4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 21.238 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052716.D

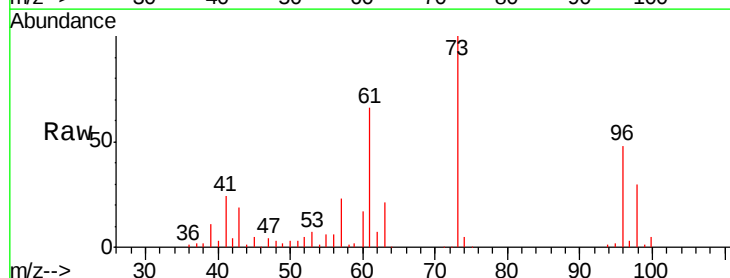
Acq: 7 Dec 2018 10:17

Tgt Ion: 73 Resp: 492524

Ion Ratio Lower Upper

73 100

43 19.2 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN052716.D (-862) (-)

Ion 43.00 (42.70 to 43.70): VN052716.D (-862) (-)

150000

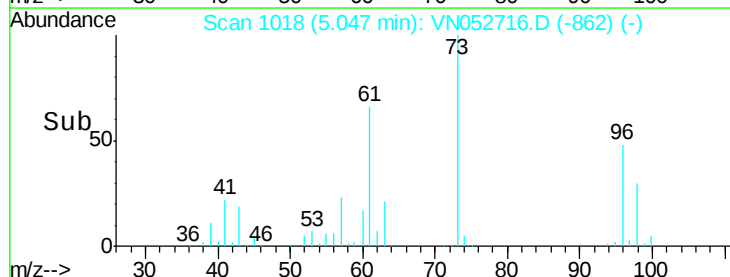
100000

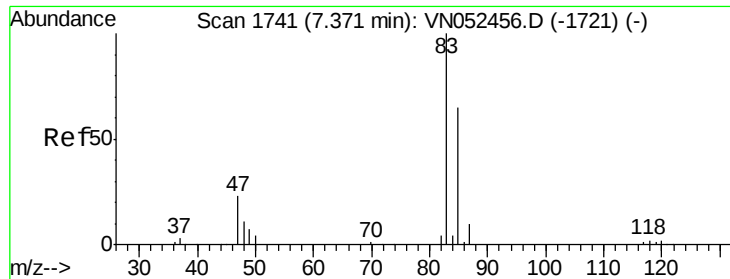
50000

0

4.90 5.00 5.10 5.20

Time-->





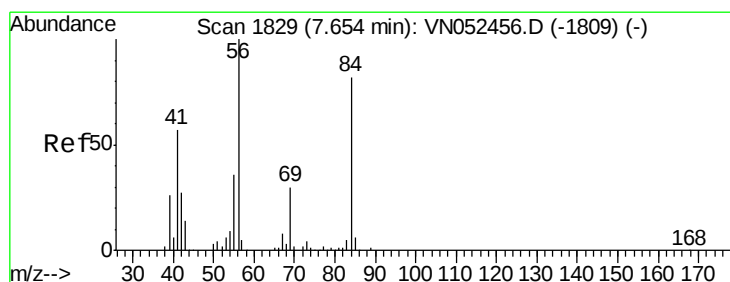
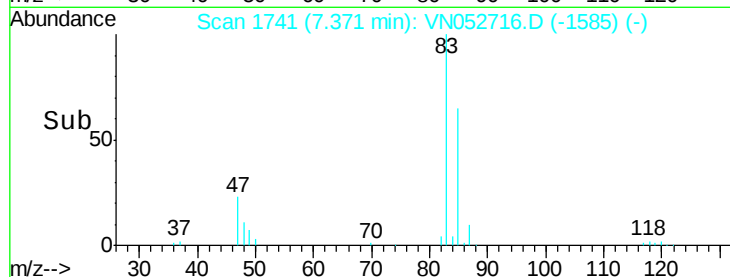
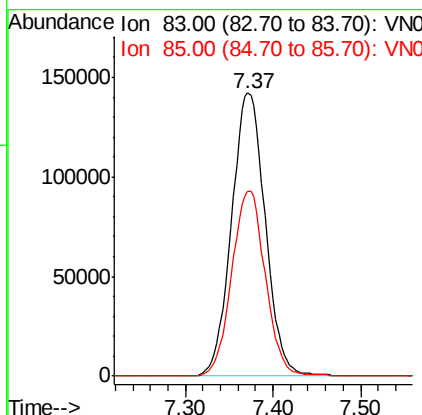
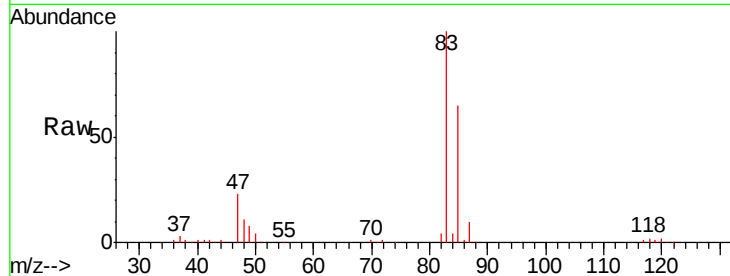
#25  
Chloroform  
Concen: 21.379 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 83 Resp: 380842  
Ion Ratio Lower Upper  
83 100  
85 65.3 51.7 77.5

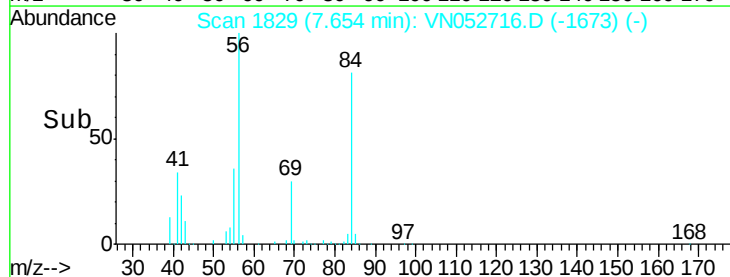
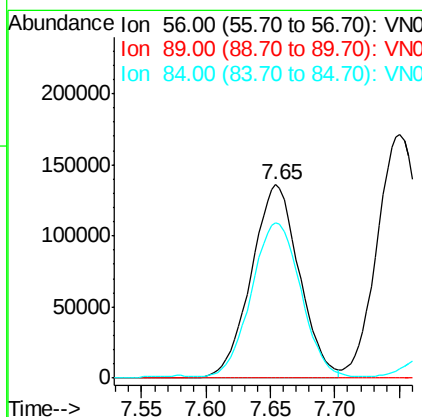
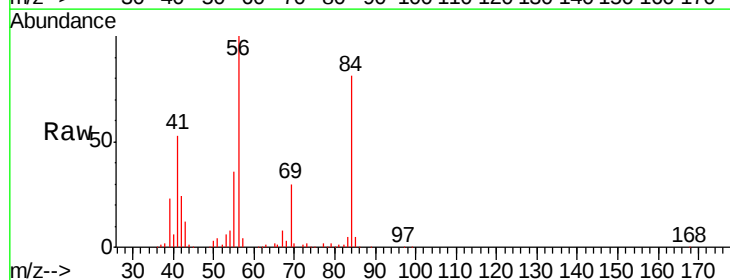
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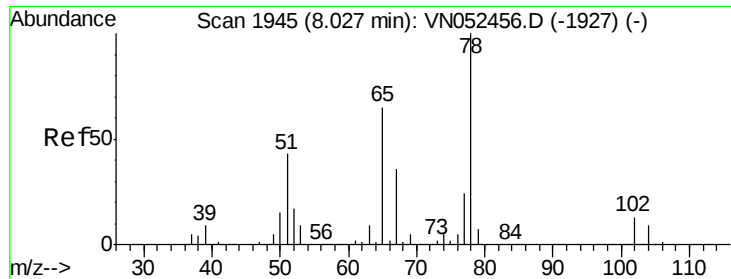
MMDadoda  
12/10/2018 12:50:23 PM



#26  
Cyclohexane  
Concen: 20.224 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Tgt Ion: 56 Resp: 352203  
Ion Ratio Lower Upper  
56 100  
89 0.2 0.5 0.7#  
84 83.7 66.2 99.2





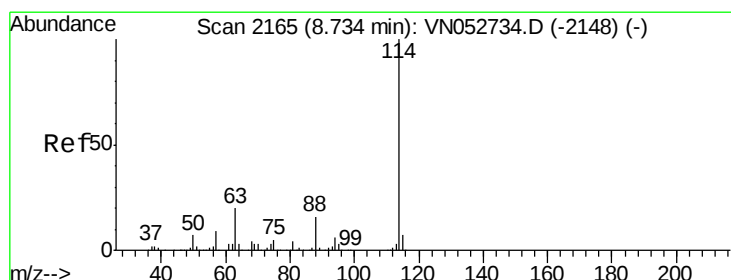
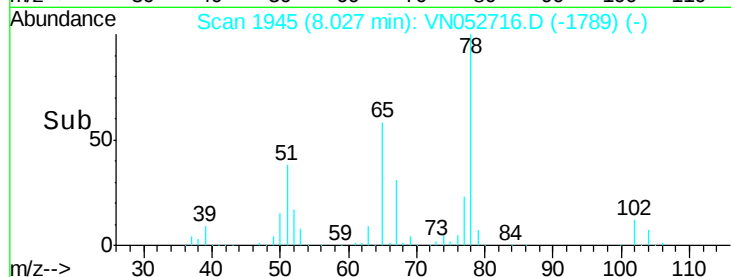
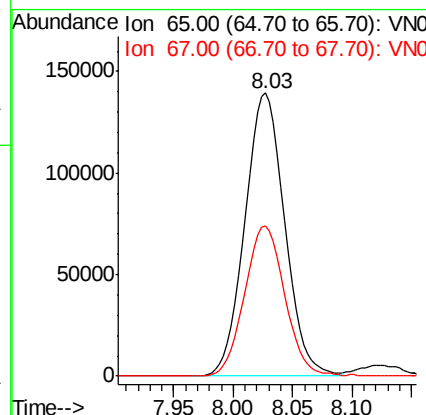
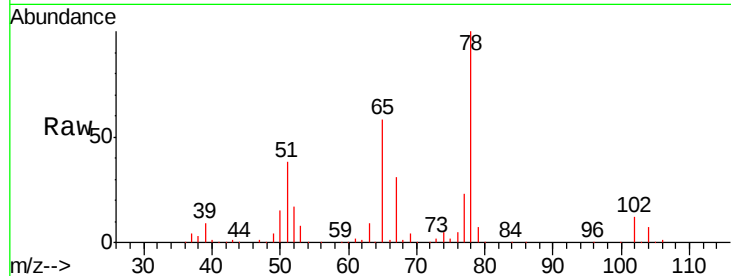
#27  
 1,2-Dichloroethane-d4  
 Concen: 20.224 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Tgt Ion: 65 Resp: 323642  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 44.6 66.8

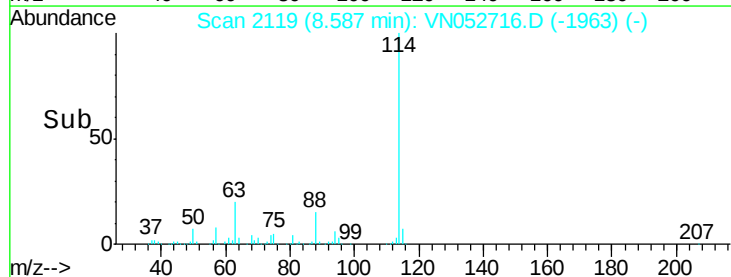
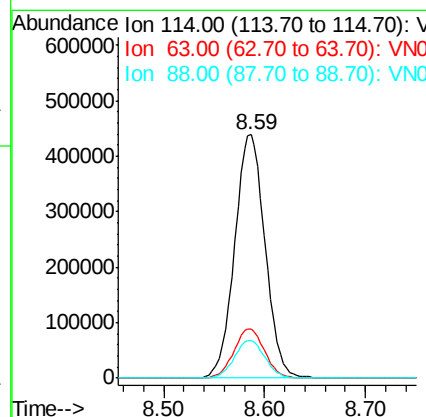
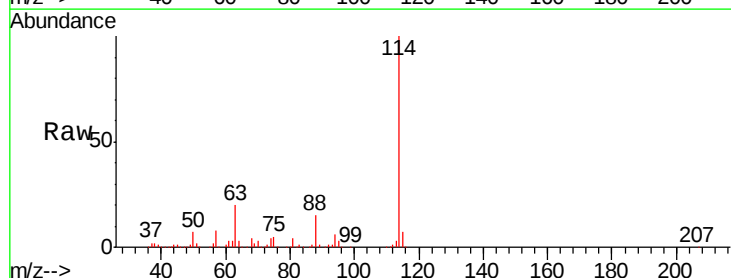
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#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Tgt Ion: 114 Resp: 918035  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 16.9 25.3  
 88 15.5 12.8 19.2





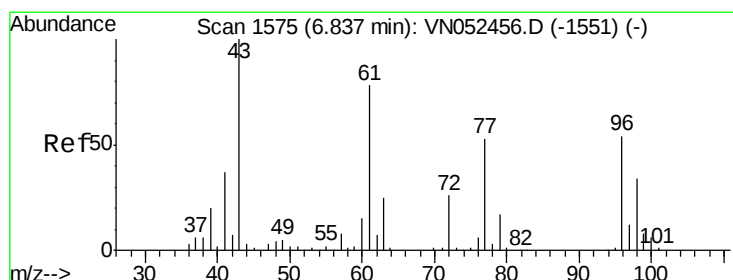
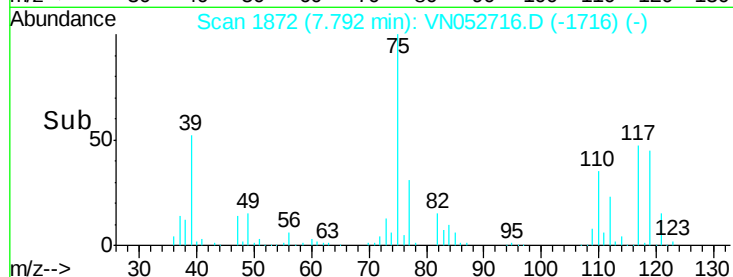
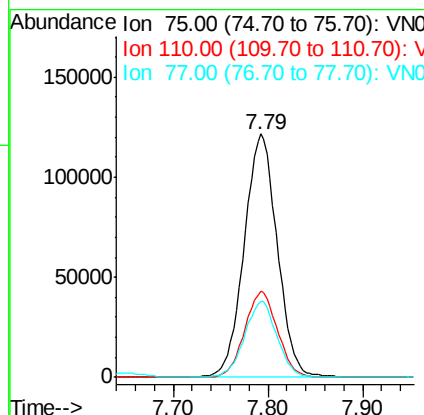
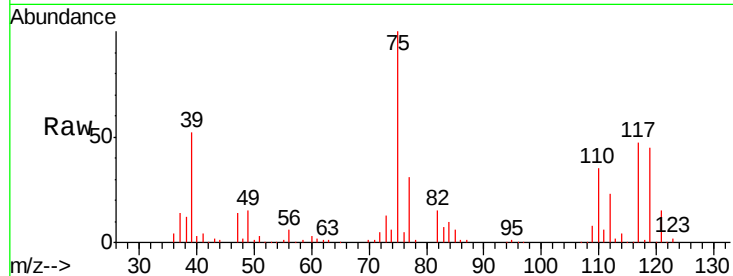
#29  
 1,1-Dichloropropene  
 Concen: 21.085 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 75      | 100   |            |            |
| 110     | 35.1  | 0.0        | 70.2       |
| 77      | 30.8  | 0.0        | 62.6       |

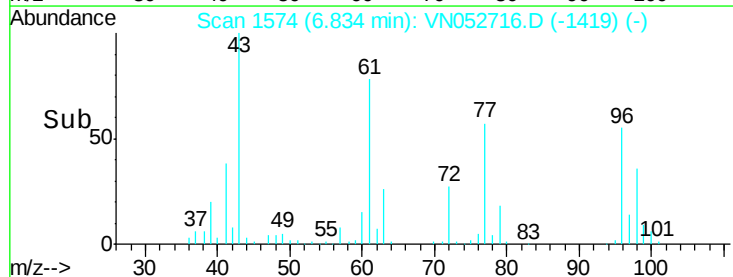
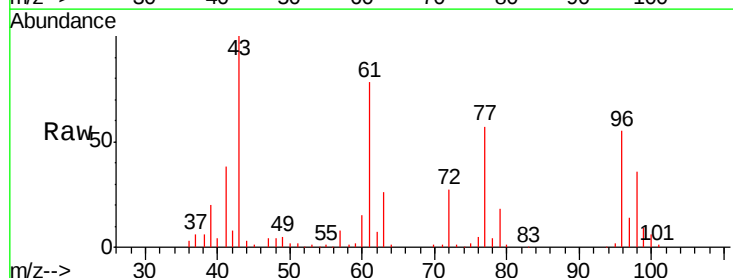
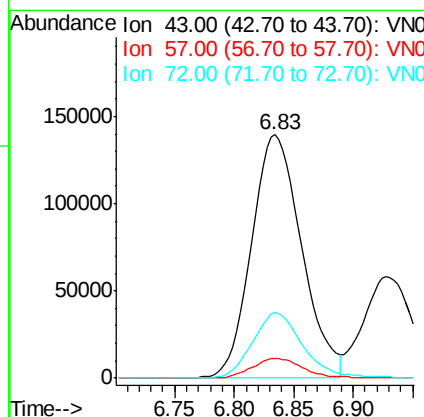
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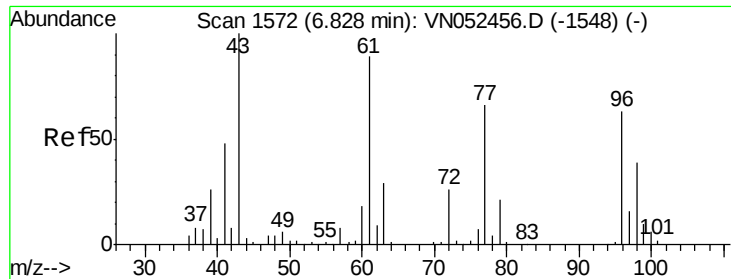
MMDadoda  
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#30  
 2-Butanone  
 Concen: 107.723 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 43      | 100   |            |            |
| 57      | 8.4   | 6.2        | 9.4        |
| 72      | 26.5  | 21.0       | 31.6       |





#31

2,2-Dichloropropane

Concen: 21.776 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 77 Resp: 281049

Ion Ratio Lower Upper

77 100

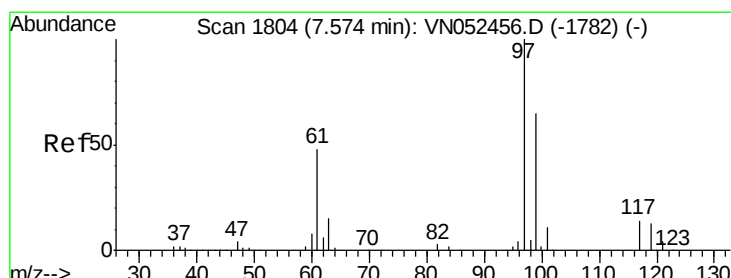
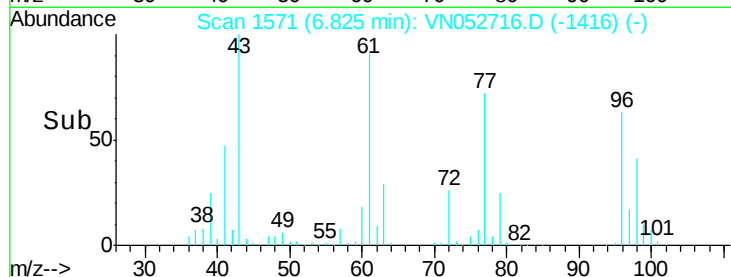
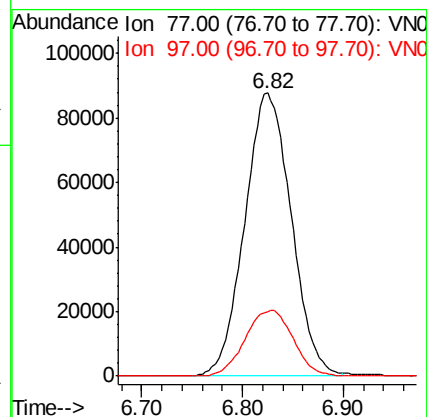
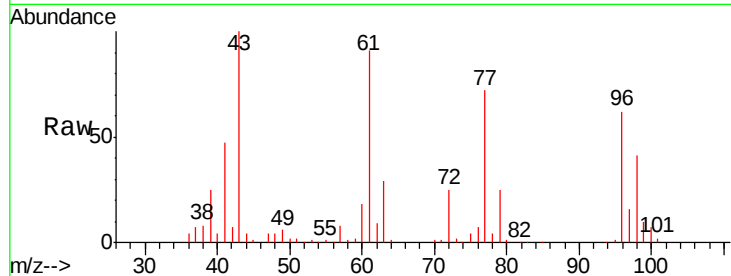
97 24.1 18.7 28.1

Manual Integrations

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MMDadoda

12/10/2018 12:50:23 PM



#32

1,1,1-Trichloroethane

Concen: 21.184 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

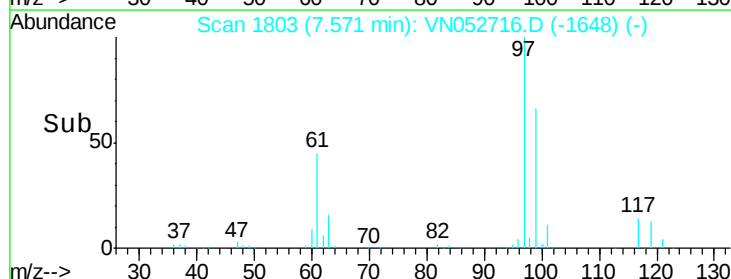
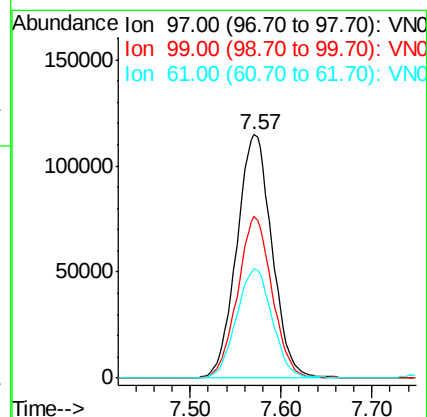
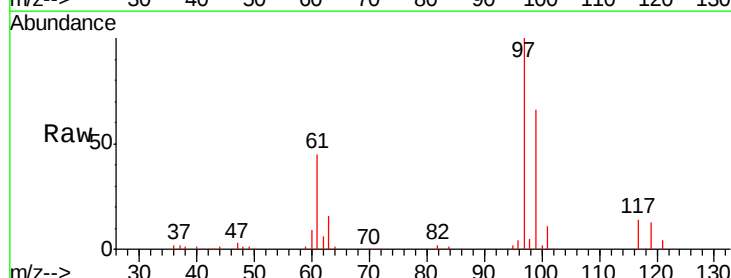
Tgt Ion: 97 Resp: 309028

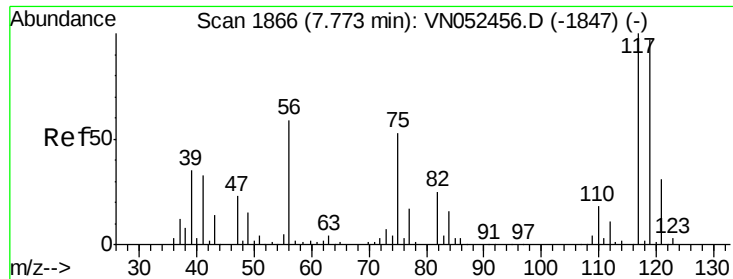
Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

61 45.3 38.1 57.1





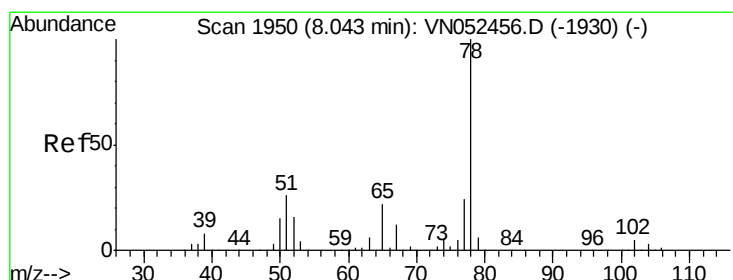
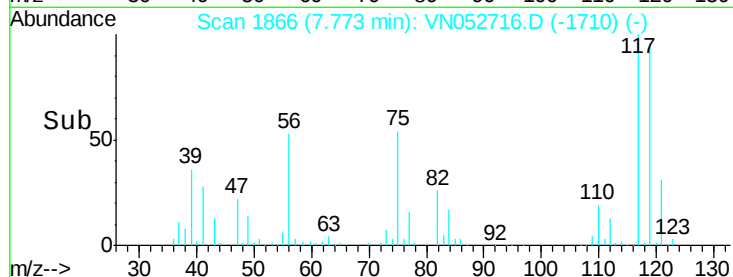
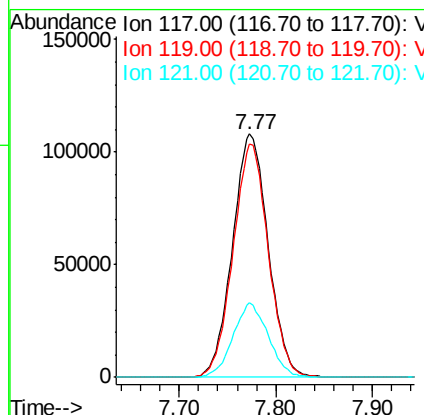
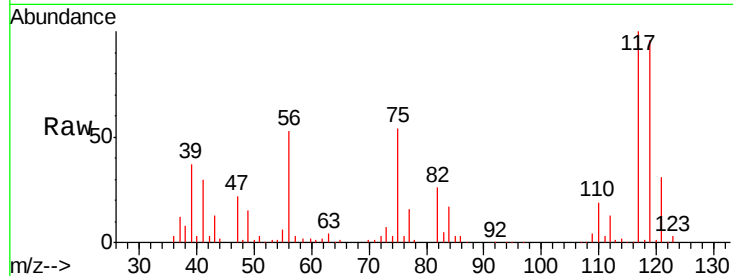
#33  
Carbon Tetrachloride  
Concen: 21.711 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 277117 |       |       |
| 119     | 95.9  | 77.3   | 115.9 |       |
| 121     | 30.6  | 24.9   | 37.3  |       |

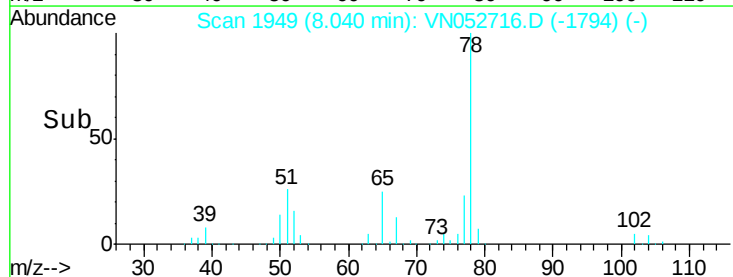
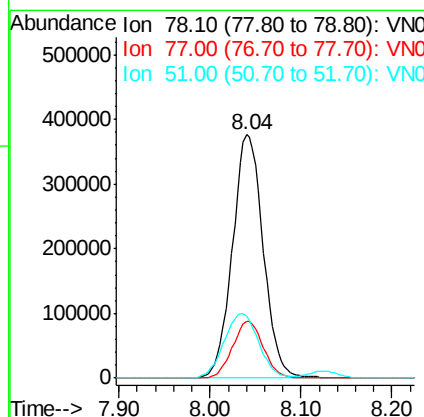
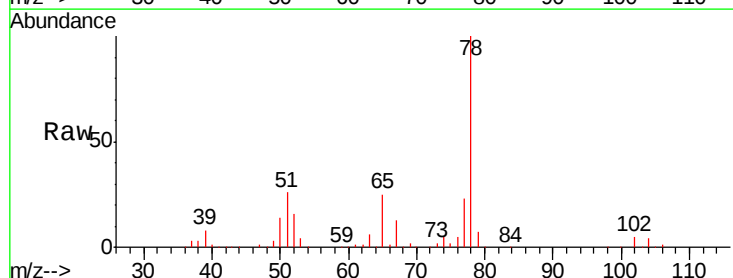
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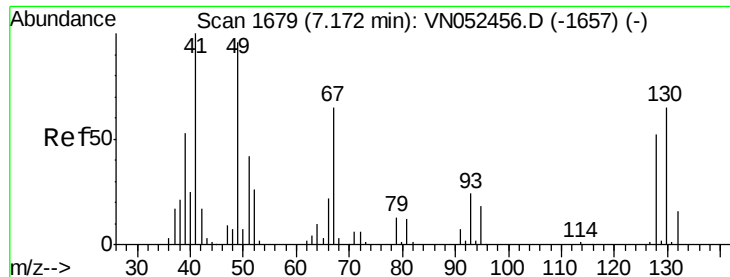
MMDadoda  
12/10/2018 12:50:23 PM



#34  
Benzene  
Concen: 20.944 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 882779 |       |       |
| 77      | 23.2  | 19.0   | 28.6  |       |
| 51      | 25.5  | 20.5   | 30.7  |       |





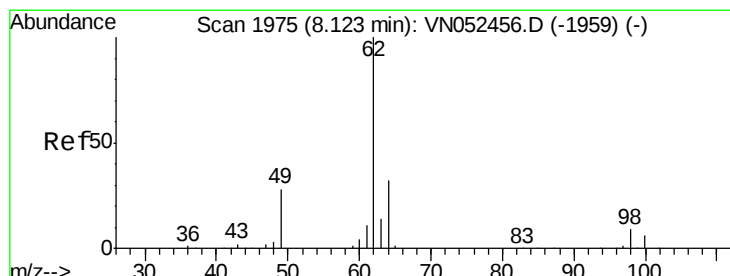
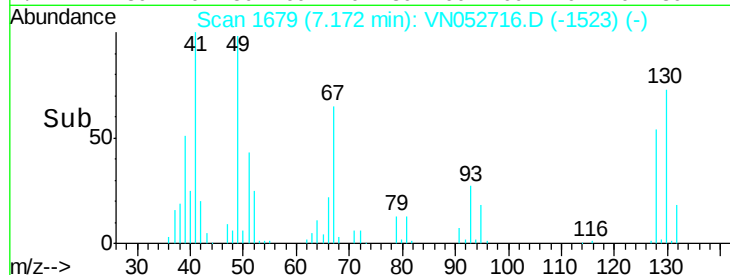
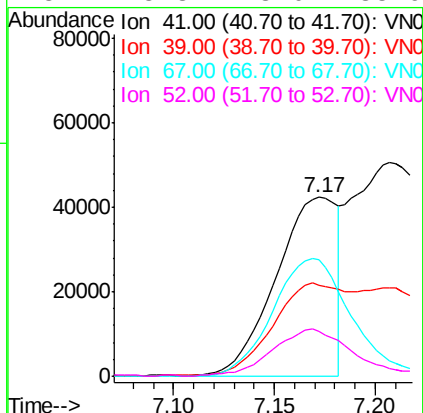
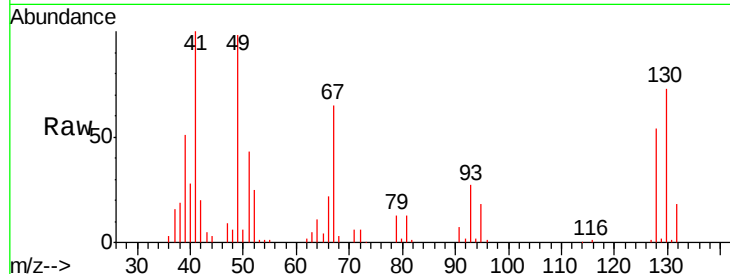
#35  
Methacrylonitrile  
Concen: 19.230 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 50.4  | 26.6  | 79.7  |
| 67      | 64.8  | 32.3  | 96.9  |
| 52      | 25.3  | 13.0  | 38.9  |

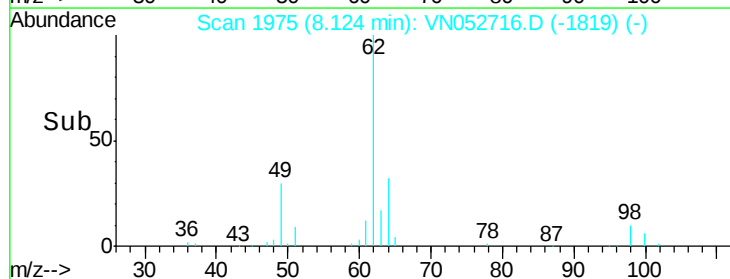
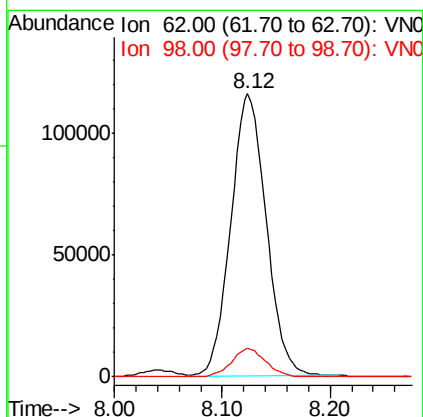
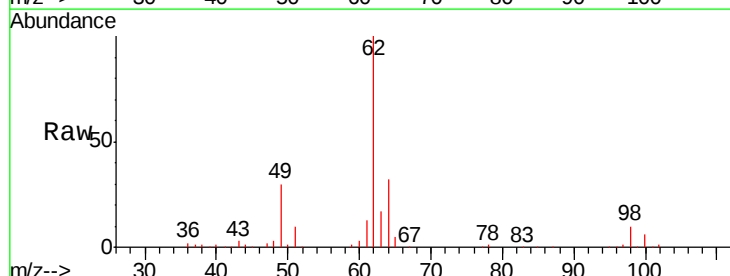
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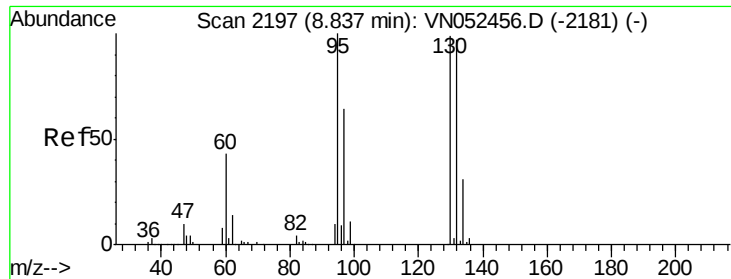
MMDadoda  
12/10/2018 12:50:23 PM



#36  
1,2-Dichloroethane  
Concen: 20.790 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.7   | 7.4   | 11.2  |





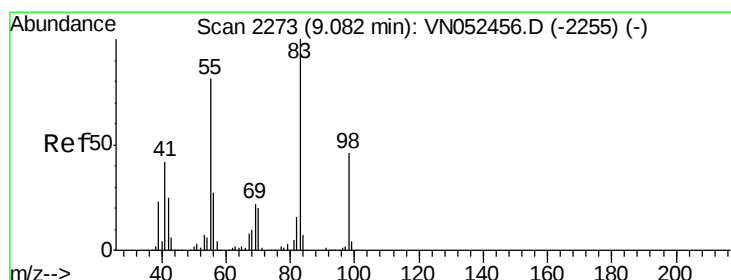
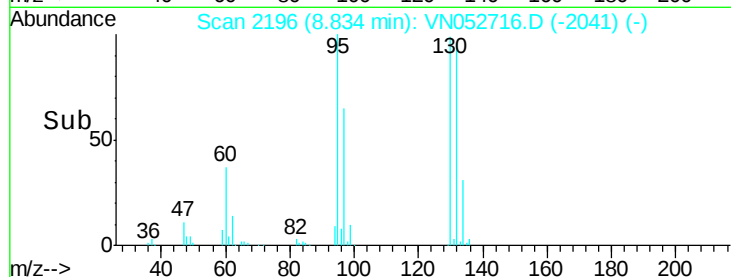
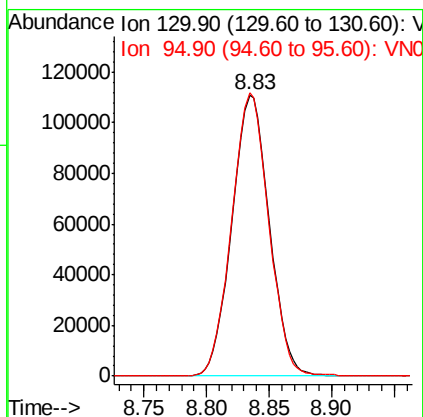
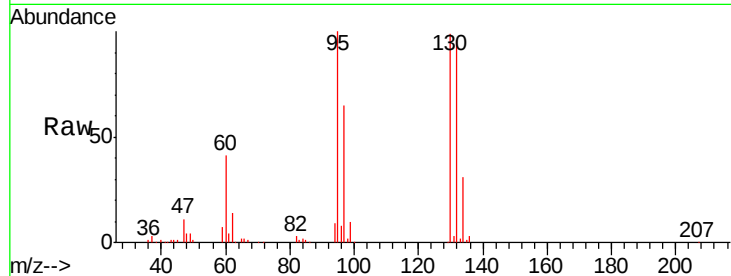
#37  
 Trichloroethene  
 Concen: 21.530 ug/l  
 RT: 8.83 min Scan# 2196  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Tgt Ion: 130 Resp: 230115  
 Ion Ratio Lower Upper  
 130 100  
 95 100.8 81.0 121.4

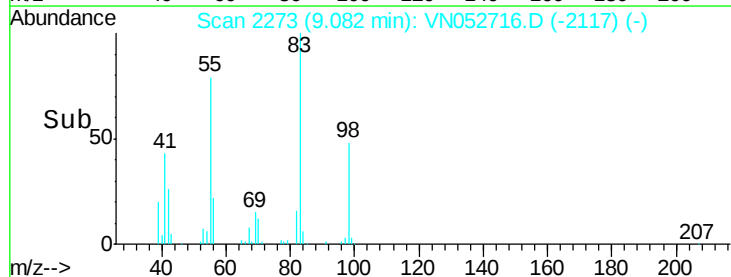
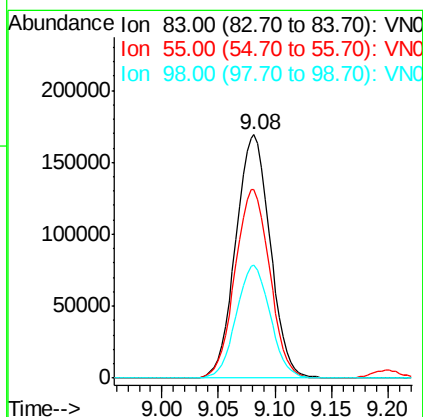
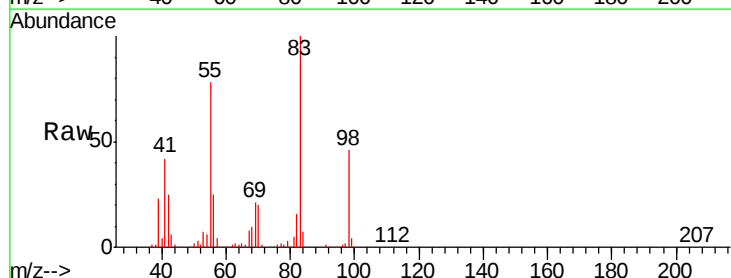
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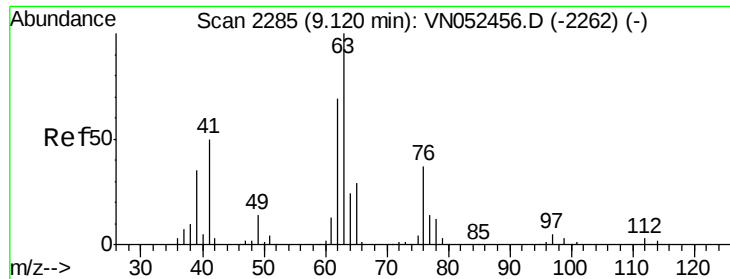
MMDadoda  
 12/10/2018 12:50:23 PM



#38  
 Methylcyclohexane  
 Concen: 20.690 ug/l  
 RT: 9.08 min Scan# 2273  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Tgt Ion: 83 Resp: 359060  
 Ion Ratio Lower Upper  
 83 100  
 55 78.0 39.8 119.4  
 98 45.9 22.9 68.5





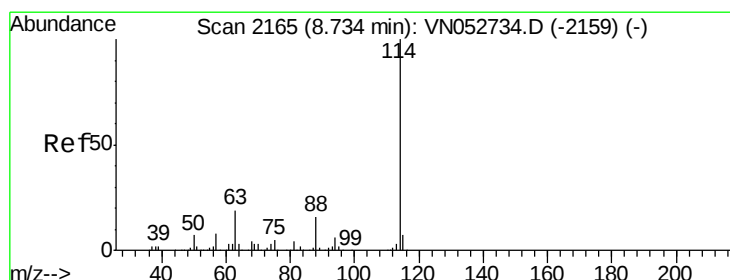
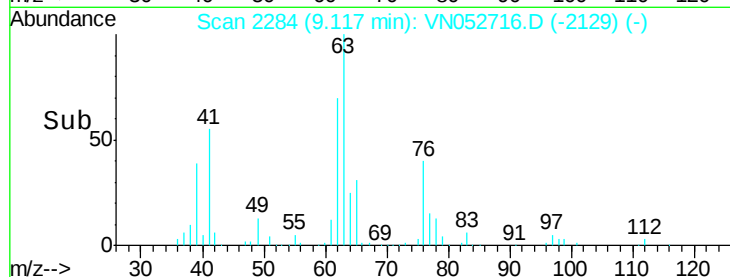
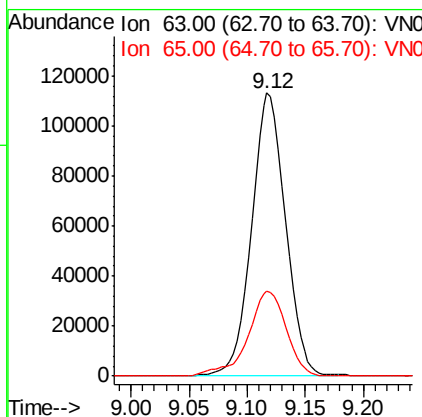
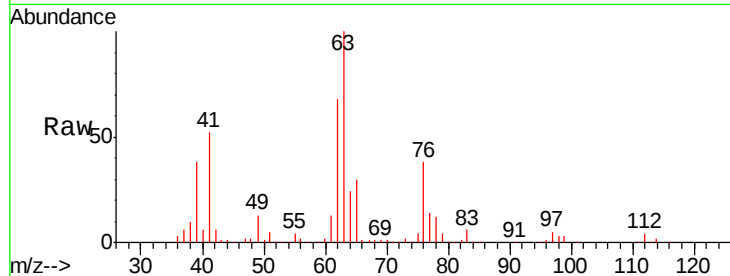
#39  
 1,2-Dichloropropane  
 Concen: 20.468 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Tgt Ion: 63 Resp: 231254  
 Ion Ratio Lower Upper  
 63 100  
 65 30.0 23.6 35.4

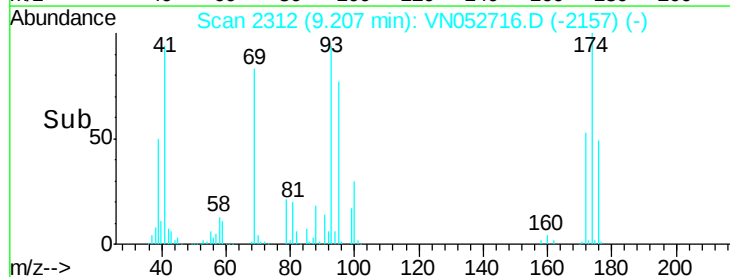
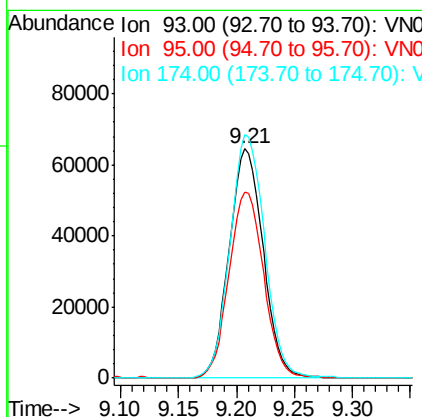
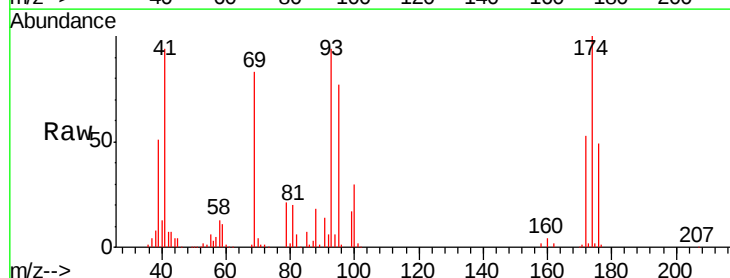
Manual Integrations  
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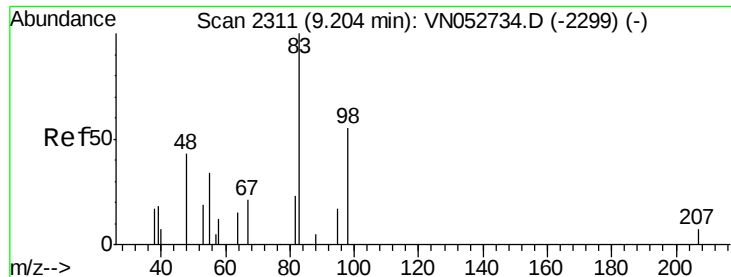
MMDadoda  
 12/10/2018 12:50:23 PM



#40  
 Dibromomethane  
 Concen: 21.522 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Tgt Ion: 93 Resp: 131406  
 Ion Ratio Lower Upper  
 93 100  
 95 82.4 0.0 168.4  
 174 108.1 0.0 210.0





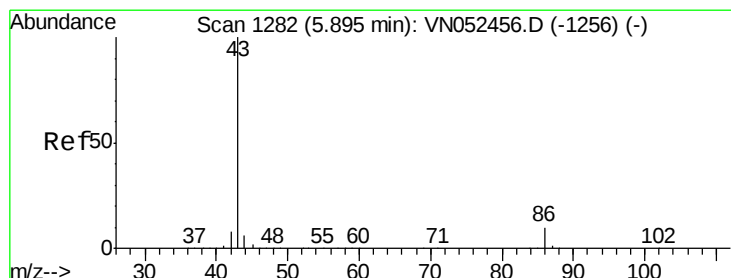
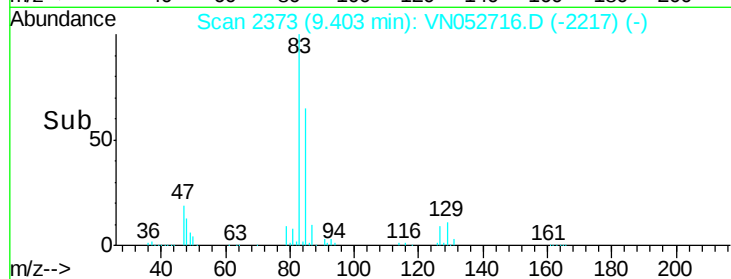
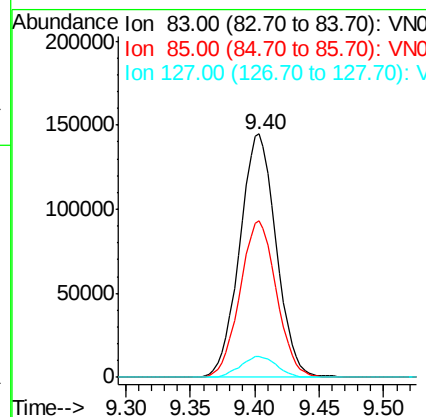
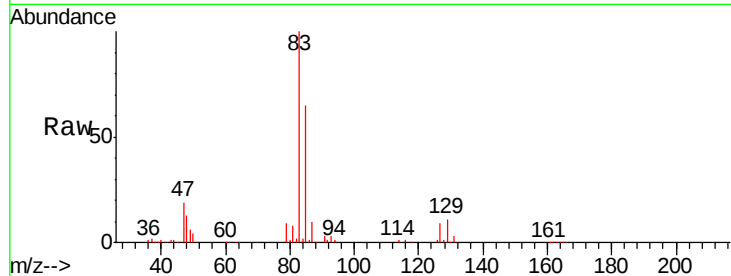
#41  
 Bromodichloromethane  
 Concen: 21.123 ug/l  
 RT: 9.40 min Scan# 2373  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 52.4  | 78.6  |
| 127     | 8.5   | 6.6   | 9.8   |

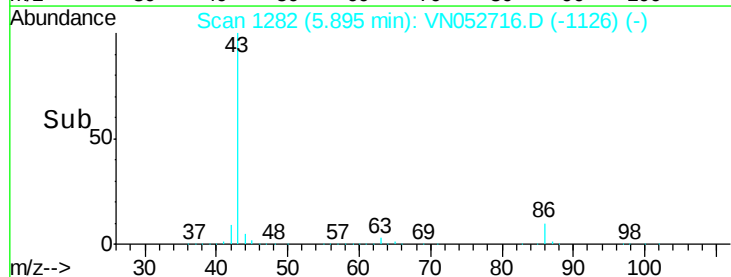
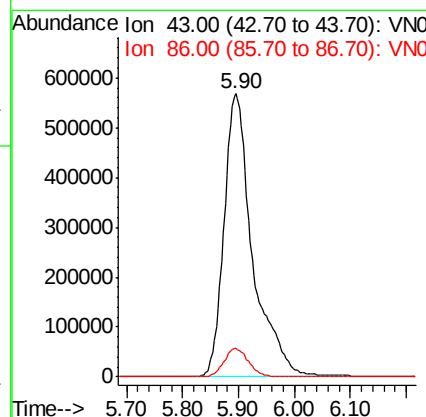
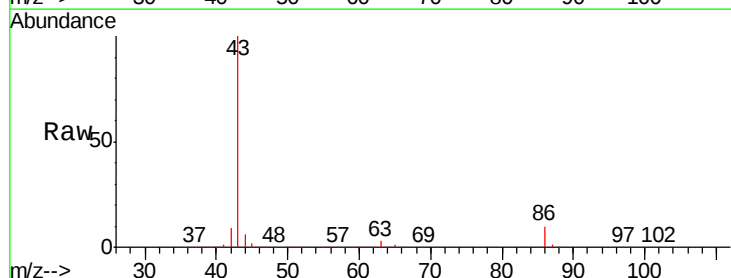
Manual Integrations  
 APPROVED

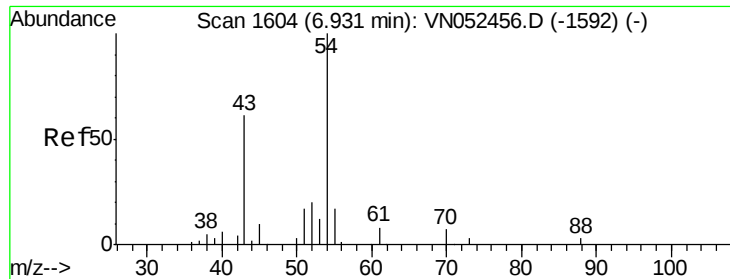
MMDadoda  
 12/10/2018 12:50:23 PM



#42  
 Vinyl Acetate  
 Concen: 99.942 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 8.5   | 6.5   | 9.7   |





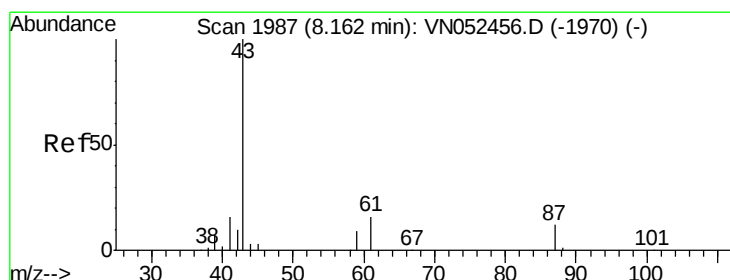
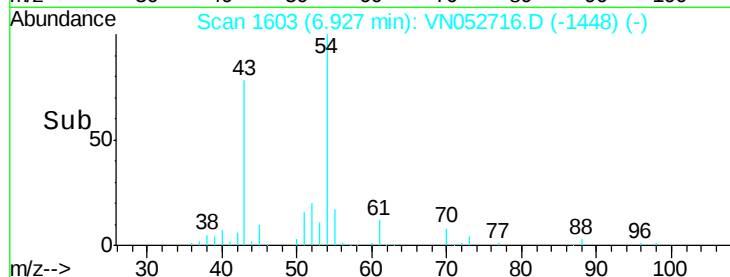
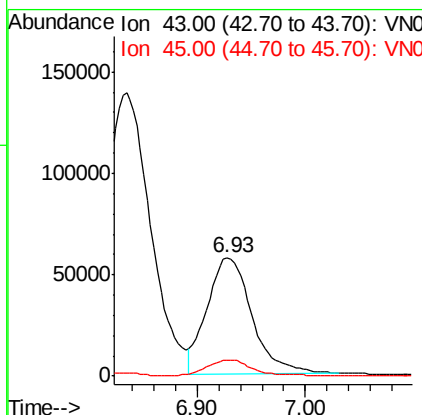
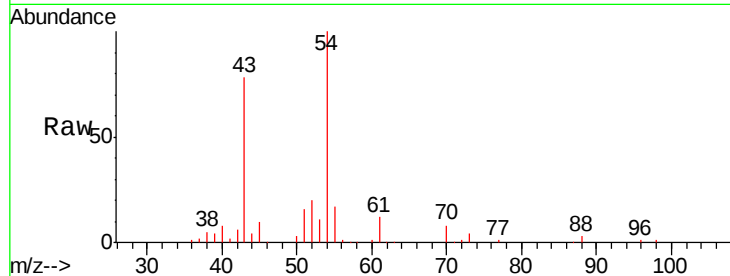
#43  
Ethyl Acetate  
Concen: 20.953 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 43 Resp: 167137  
Ion Ratio Lower Upper  
43 100  
45 12.3 1.0 1.6#

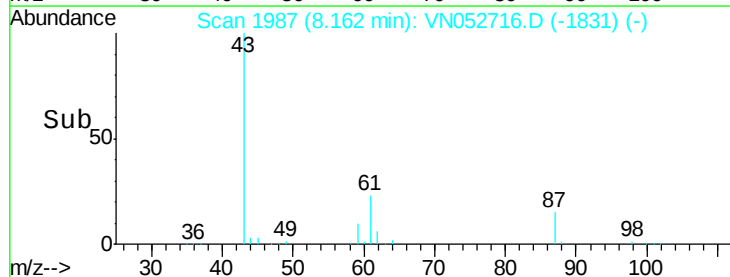
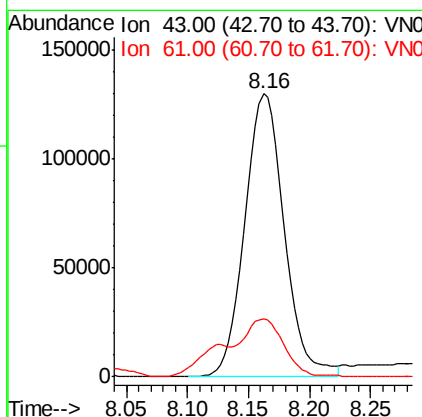
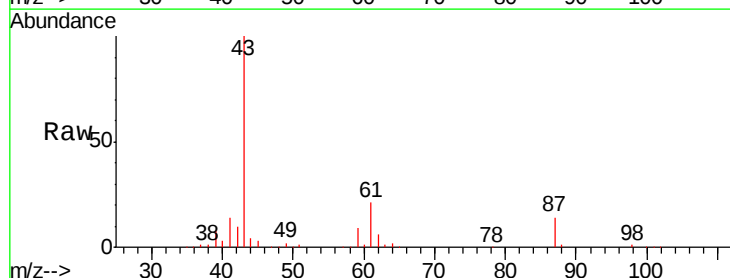
Manual Integrations  
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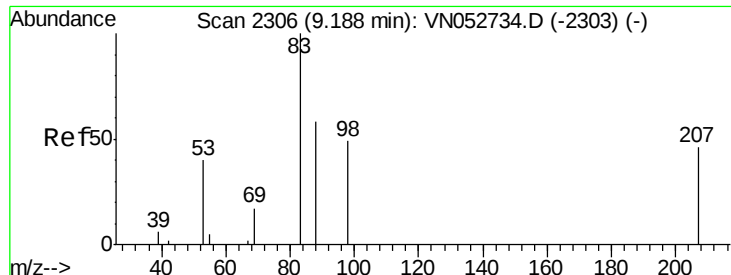
MMDadoda  
12/10/2018 12:50:23 PM



#44  
Isopropyl Acetate  
Concen: 20.683 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Tgt Ion: 43 Resp: 289350  
Ion Ratio Lower Upper  
43 100  
61 18.5 16.0 24.0





#45

1,4-Dioxane

Concen: 402.191 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

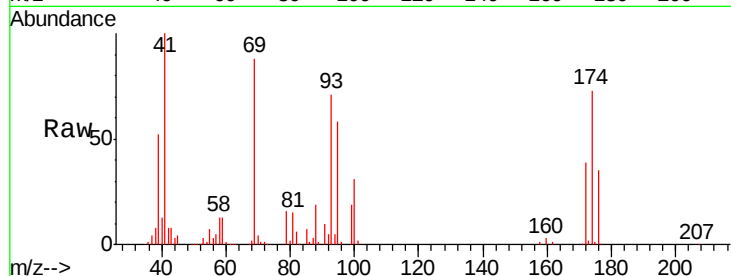
ClientSampleId :

VSTDCCC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 30781 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 37.5  | 29.5  | 44.3  |
| 58        | 71.9  | 61.5  | 92.3  |

Manual Integrations  
APPROVED

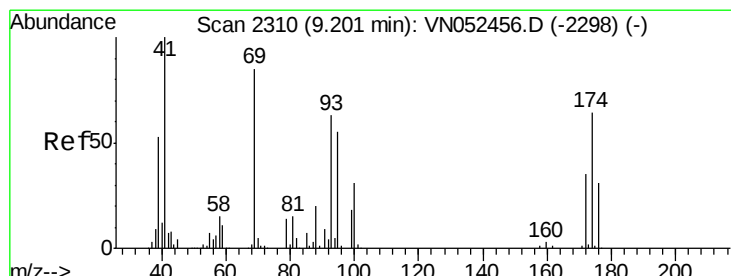
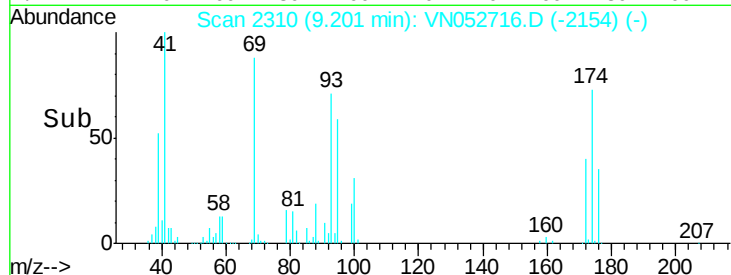
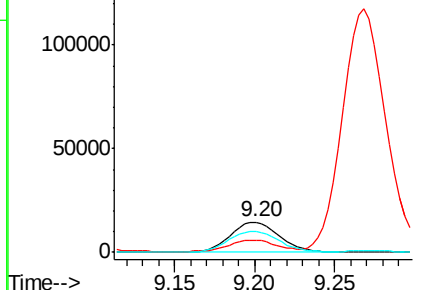
MMDadoda  
12/10/2018 12:50:23 PM



Abundance Ion 88.00 (87.70 to 88.70): VN052716.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN052716.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN052716.D (-2154) (-)



#46

Methyl methacrylate

Concen: 20.403 ug/l

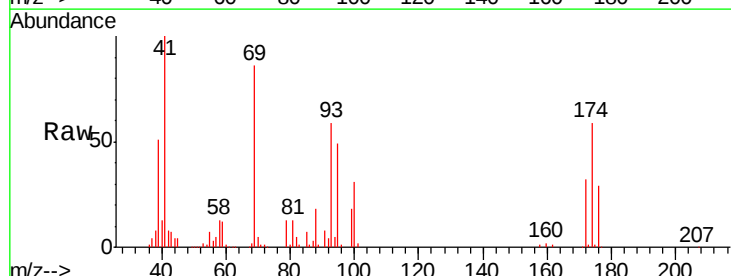
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

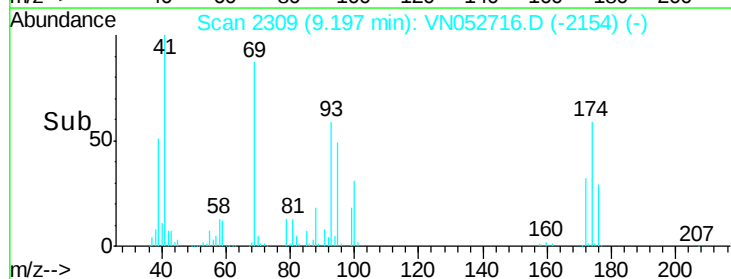
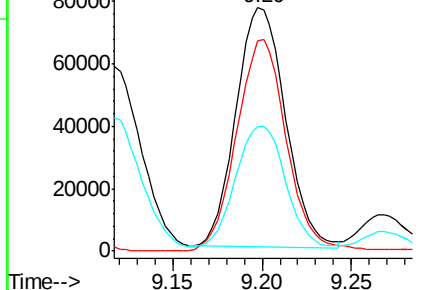
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 148199 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 87.7  | 42.5  | 127.6  |
| 39        | 50.3  | 26.3  | 78.9   |

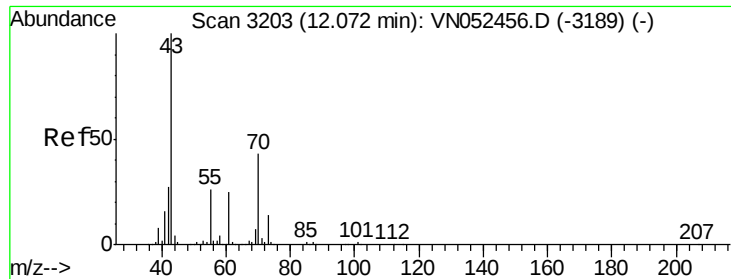


Abundance Ion 41.00 (40.70 to 41.70): VN052716.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN052716.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN052716.D (-2154) (-)





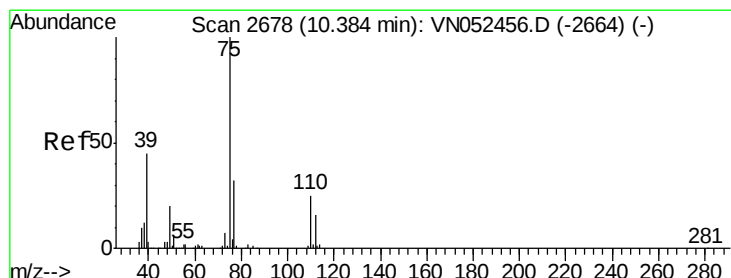
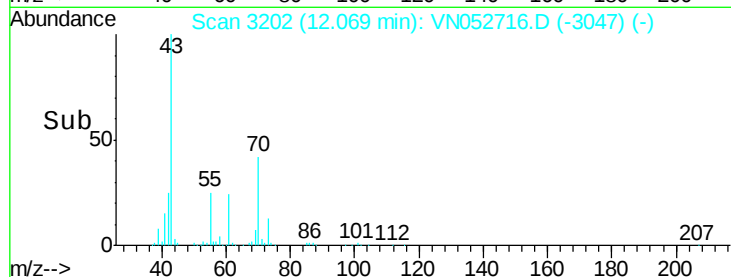
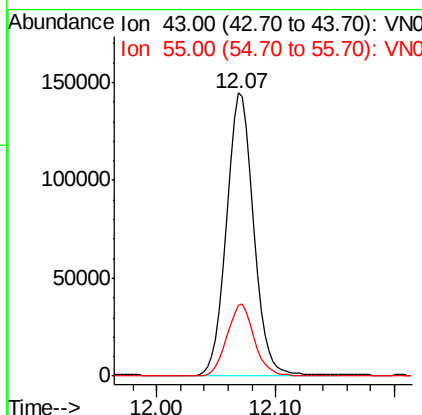
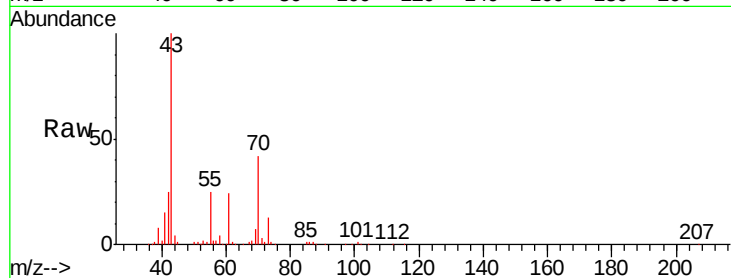
#47  
n-amy1 Acetate  
Concen: 19.700 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 43 Resp: 228513  
Ion Ratio Lower Upper  
43 100  
55 25.7 21.1 31.7

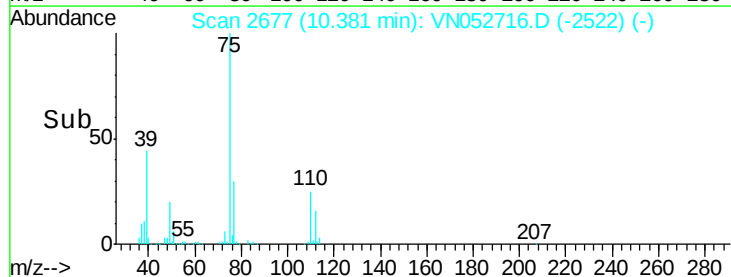
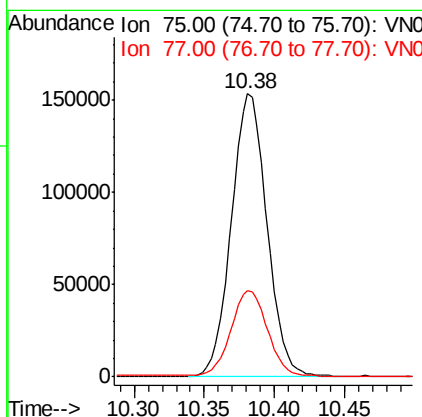
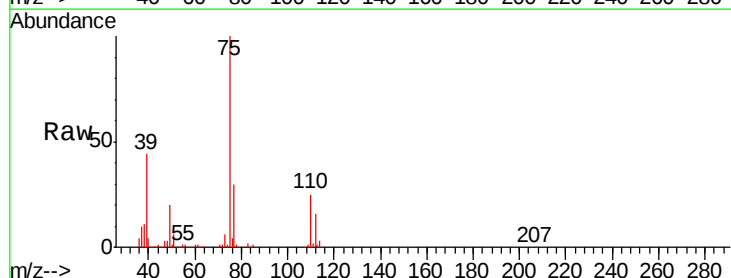
Manual Integrations  
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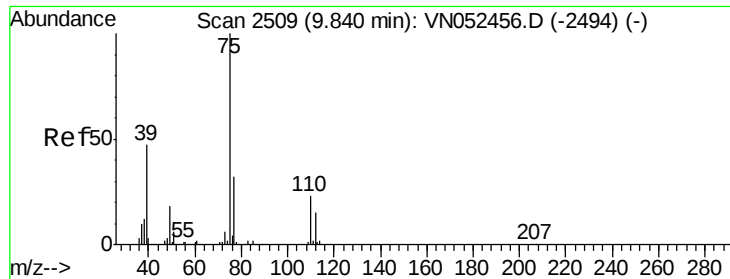
MMDadoda  
12/10/2018 12:50:23 PM



#48  
t-1,3-Dichloropropene  
Concen: 20.811 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Tgt Ion: 75 Resp: 272207  
Ion Ratio Lower Upper  
75 100  
77 30.1 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.549 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

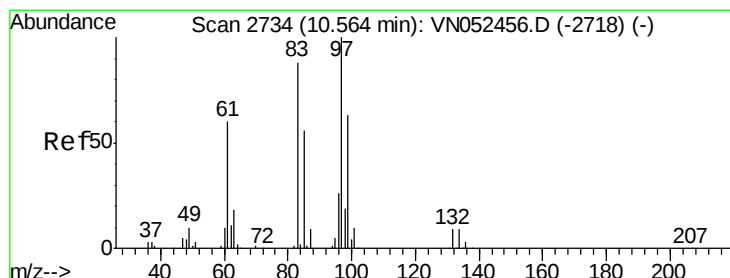
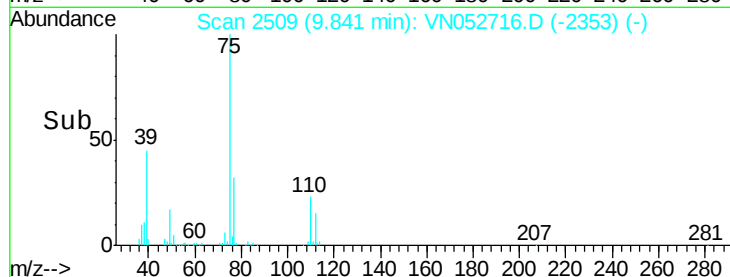
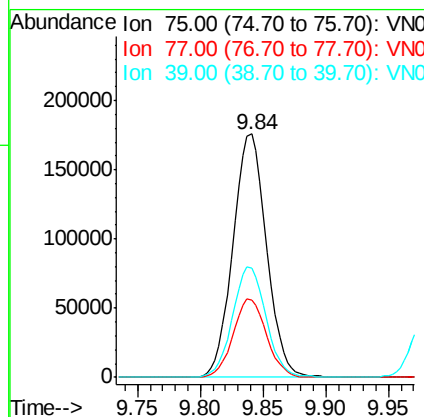
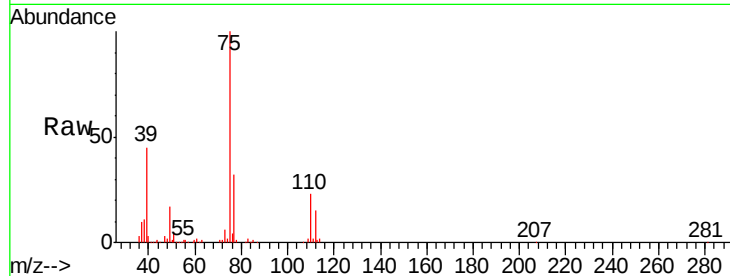
ClientSampleId :

VSTDCCC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 327456 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.8  | 25.4  | 38.0   |
| 39        | 44.7  | 37.3  | 55.9   |

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#50

1,1,2-Trichloroethane

Concen: 21.886 ug/l

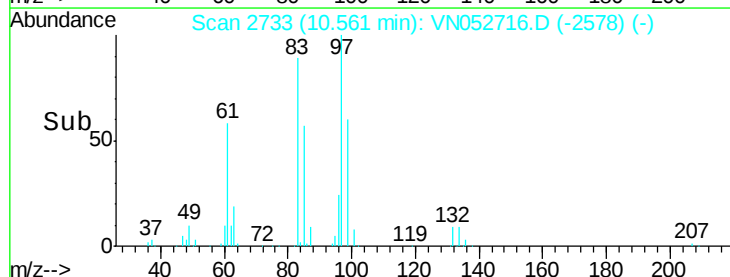
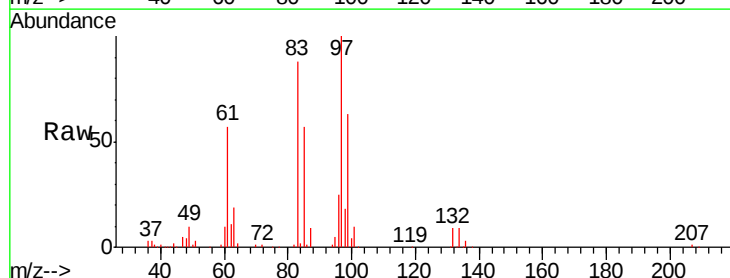
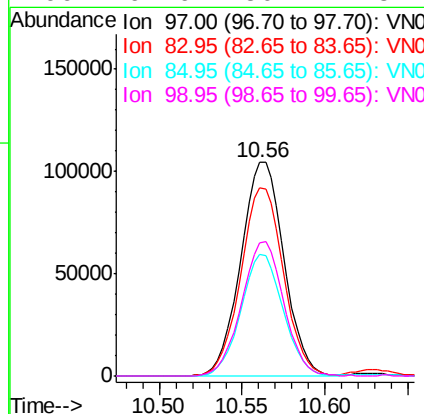
RT: 10.56 min Scan# 2733

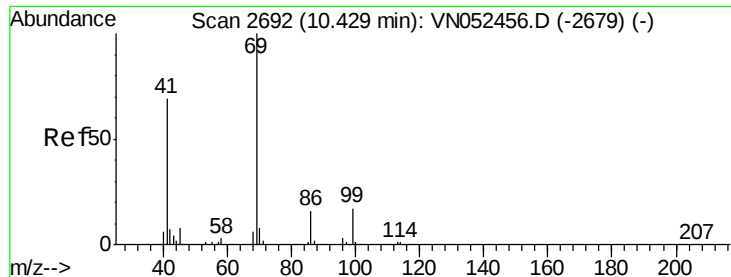
Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 189420 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 88.2  | 70.4  | 105.6  |
| 85        | 57.2  | 45.0  | 67.6   |
| 99        | 62.6  | 50.2  | 75.2   |





#51

Ethyl methacrylate

Concen: 20.393 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

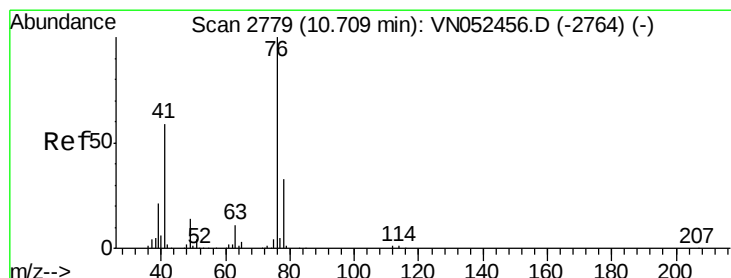
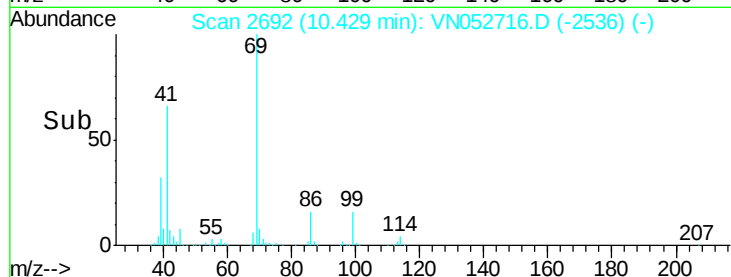
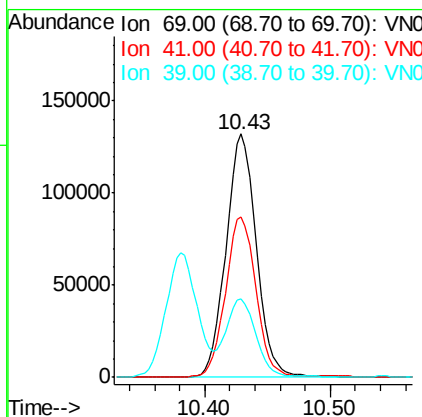
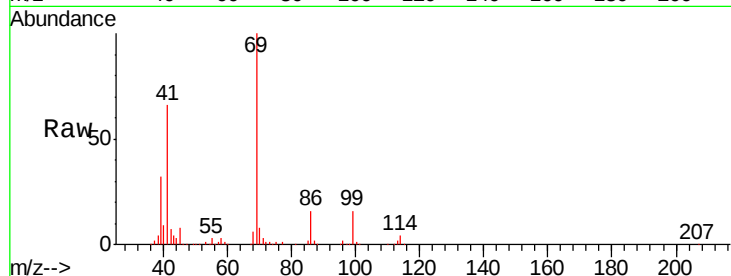
ClientSampleId :

VSTDCCC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 221673 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.5  | 34.4  | 103.3  |
| 39       | 32.2  | 16.4  | 49.2   |

Manual Integrations  
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#52

1,3-Dichloropropane

Concen: 21.125 ug/l

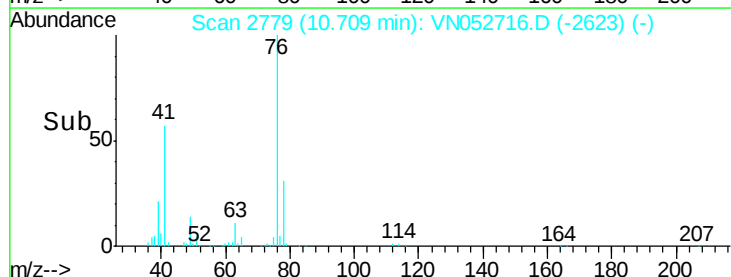
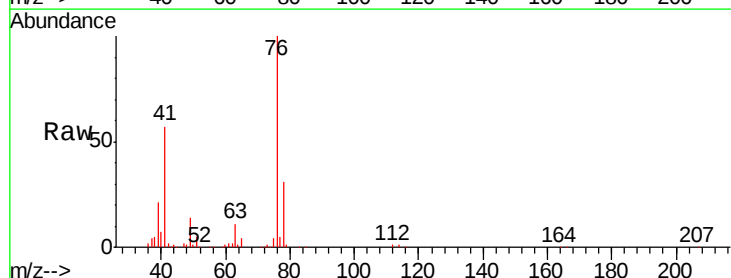
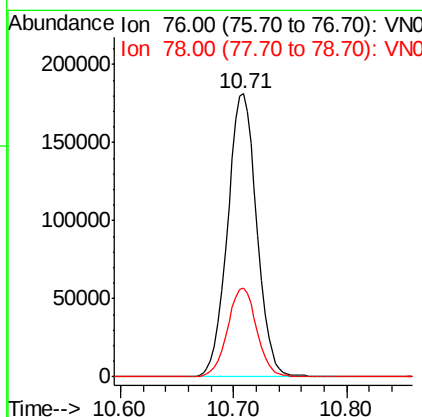
RT: 10.71 min Scan# 2779

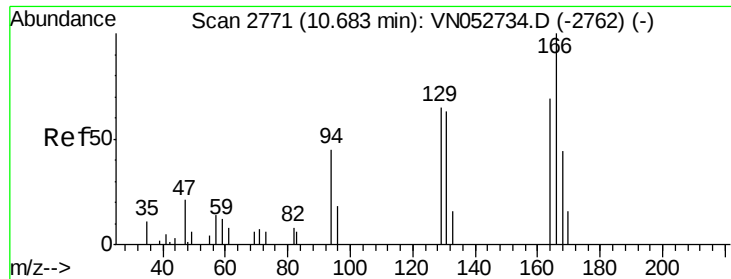
Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 325425 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 31.4  | 0.0   | 64.8   |





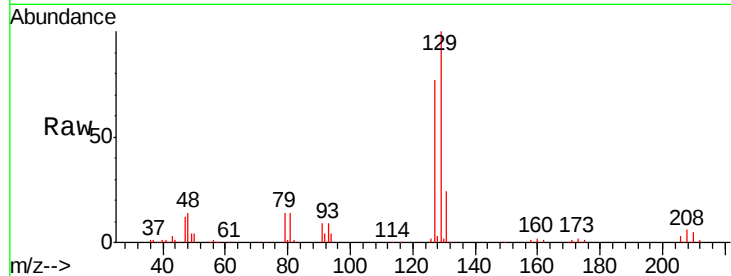
#53  
Dibromochloromethane  
Concen: 21.321 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

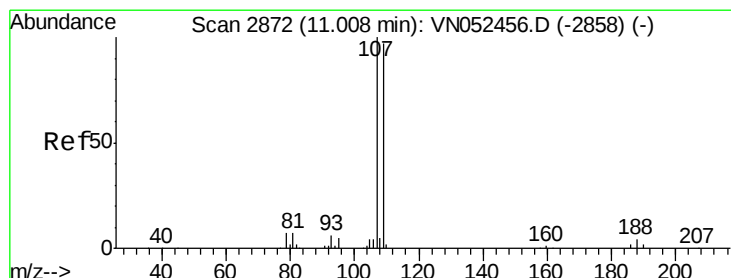
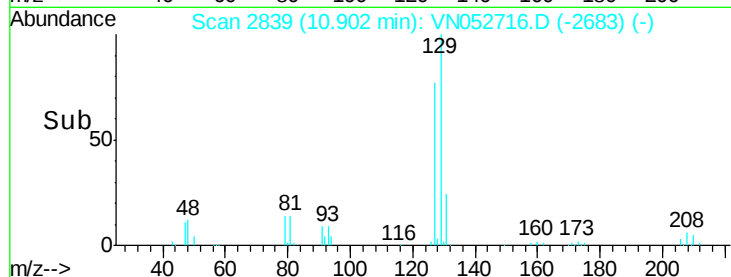
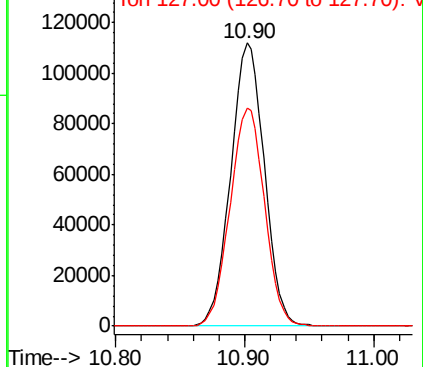
Tgt Ion:129 Resp: 203159  
Ion Ratio Lower Upper  
129 100  
127 78.8 37.6 112.8

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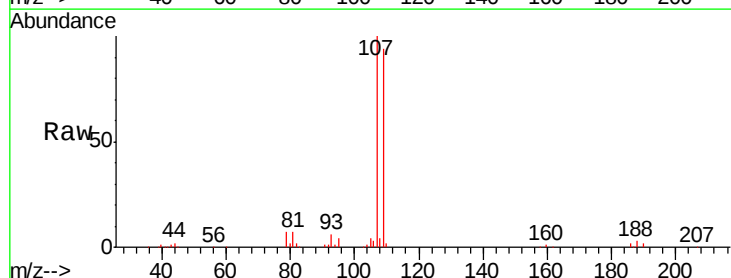


Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V

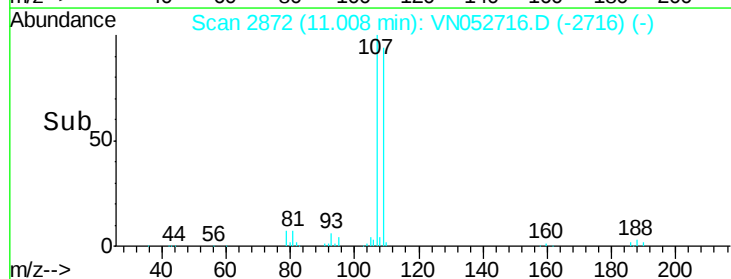
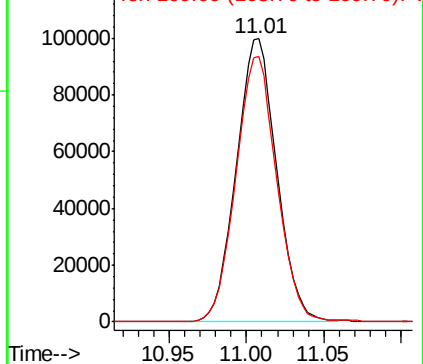


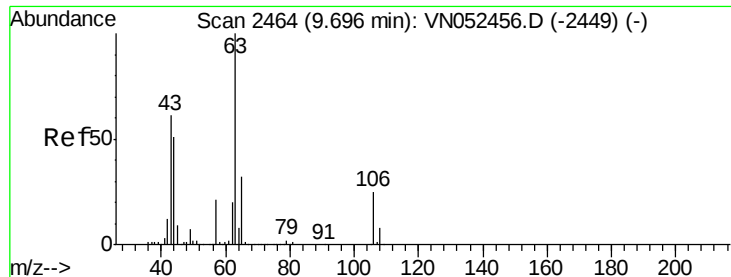
#54  
1,2-Dibromoethane  
Concen: 21.428 ug/l  
RT: 11.01 min Scan# 2872  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Tgt Ion:107 Resp: 181222  
Ion Ratio Lower Upper  
107 100  
109 94.7 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V  
Ion 109.00 (108.70 to 109.70): V





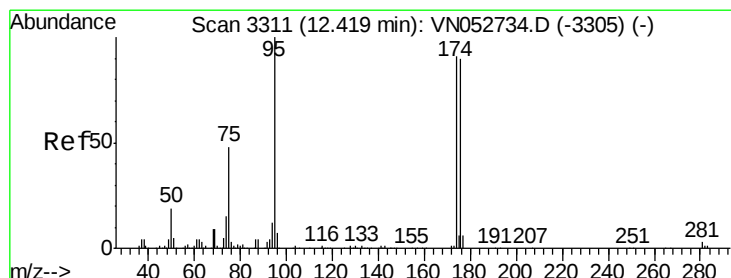
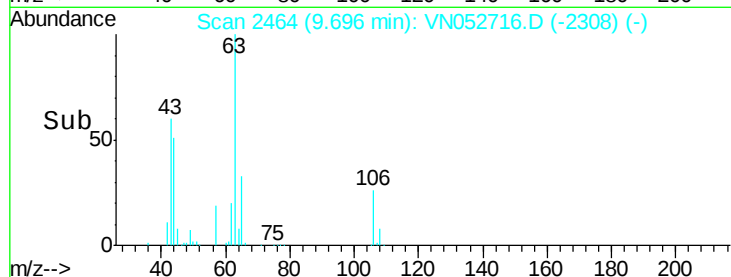
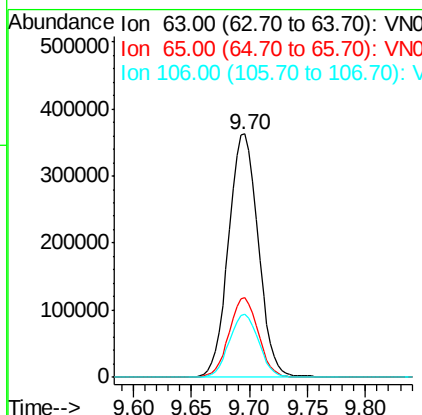
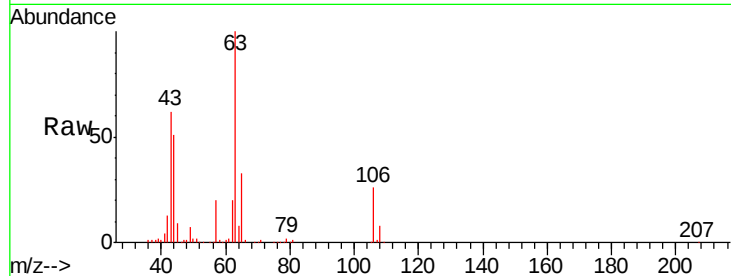
#55  
2-Chloroethyl vinyl ether  
Concen: 101.621 ug/l  
RT: 9.70 min Scan# 2464  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.2  | 25.4  | 38.2  |
| 106     | 25.7  | 20.4  | 30.6  |

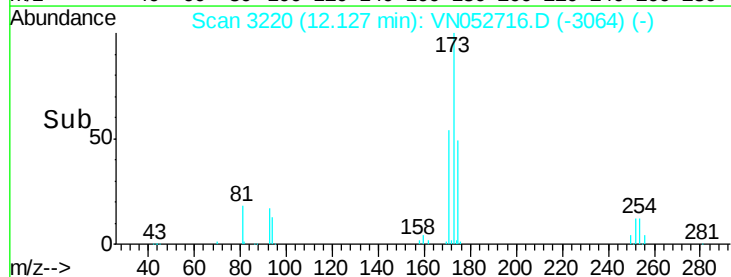
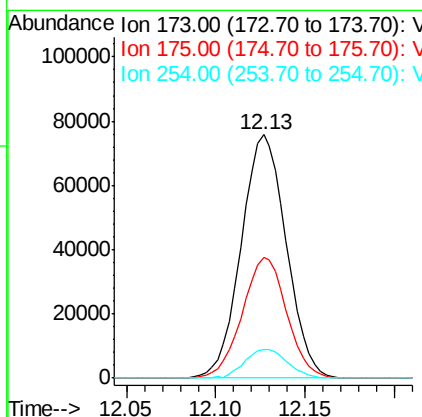
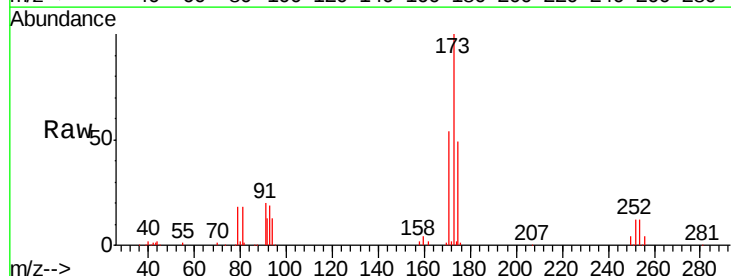
Manual Integrations  
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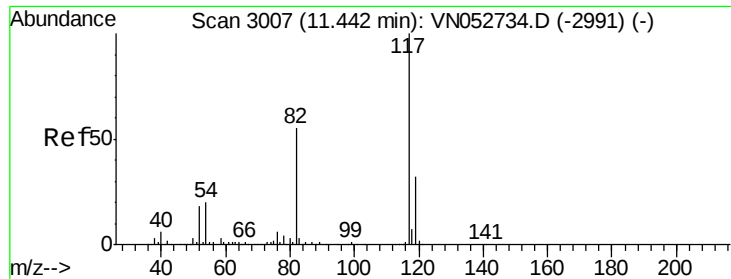
MMDadoda  
12/10/2018 12:50:23 PM



#56  
Bromoform  
Concen: 21.401 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 38.7  | 58.1  |
| 254     | 11.2  | 8.4   | 12.6  |





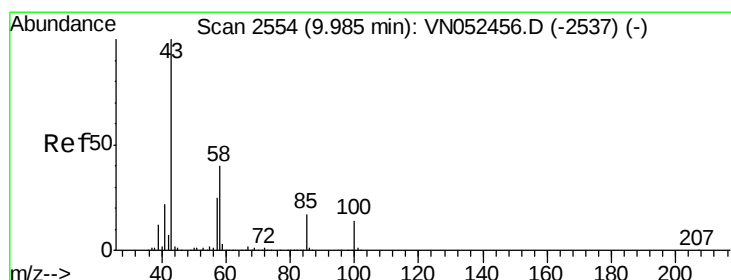
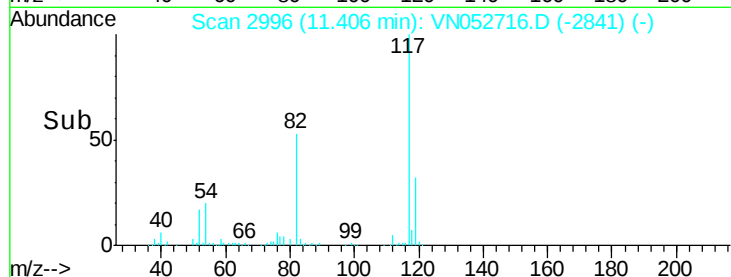
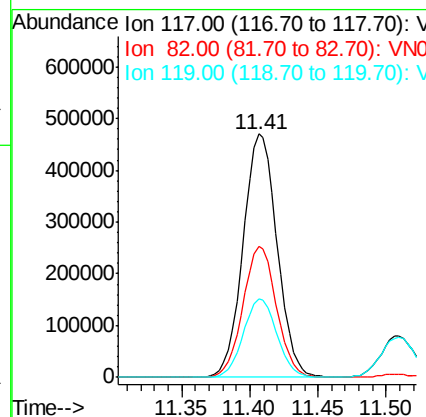
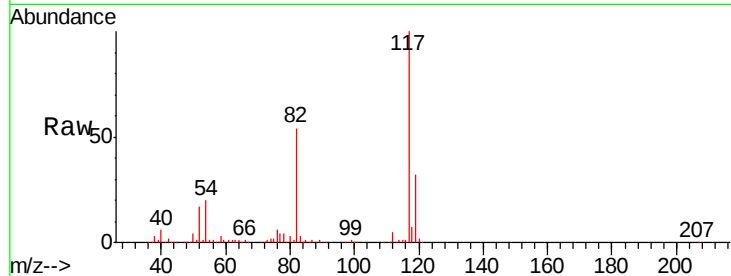
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 811468 |       |       |
| 82      | 53.4  | 44.2   | 66.2  |       |
| 119     | 32.1  | 25.4   | 38.2  |       |

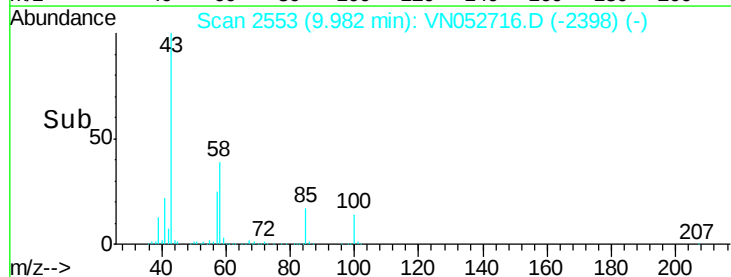
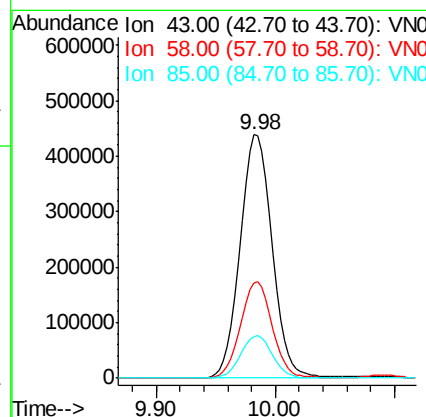
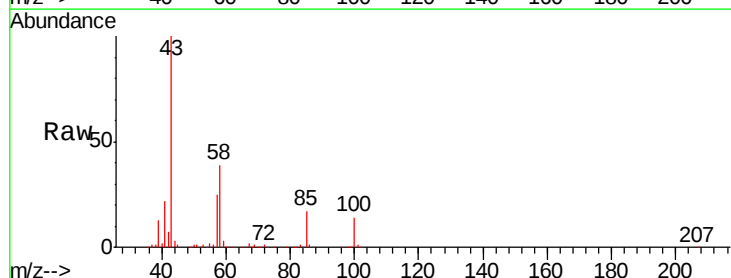
Manual Integrations  
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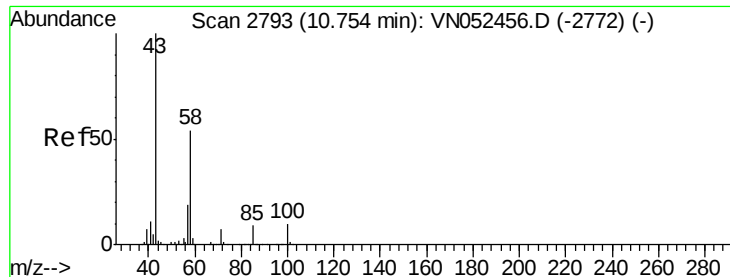
MMDadoda  
12/10/2018 12:50:23 PM



#58  
4-Methyl-2-Pentanone  
Concen: 104.054 ug/l  
RT: 9.98 min Scan# 2553  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 818592 |       |       |
| 58      | 39.3  | 31.6   | 47.4  |       |
| 85      | 17.5  | 13.3   | 19.9  |       |





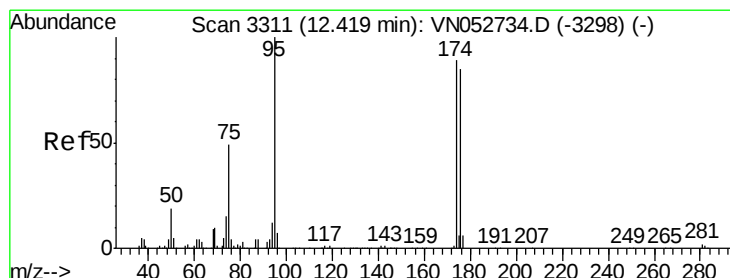
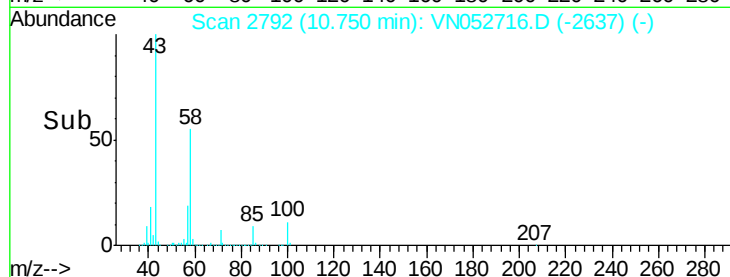
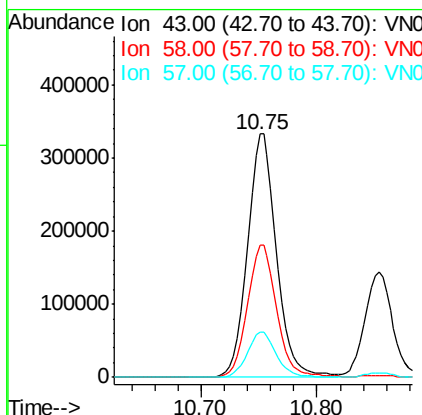
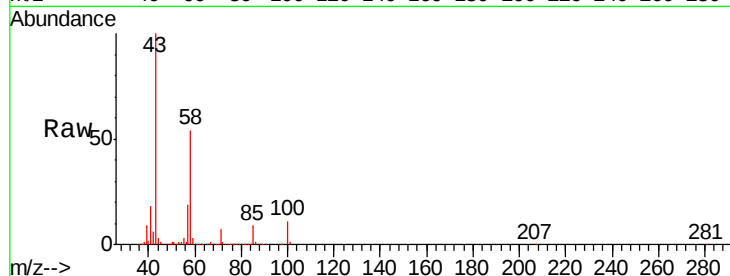
#59  
2-Hexanone  
Concen: 107.660 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 55.1  | 43.2  | 64.8  |
| 57      | 18.8  | 14.9  | 22.3  |

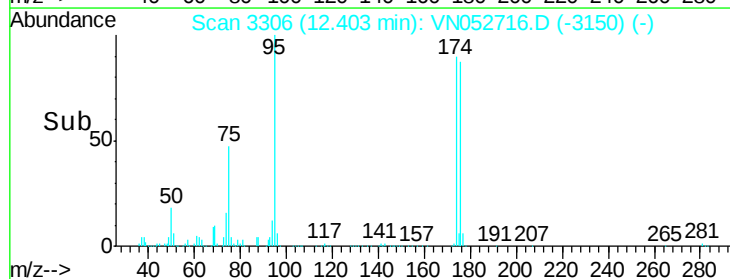
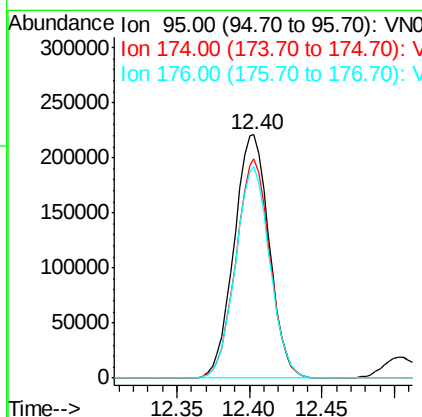
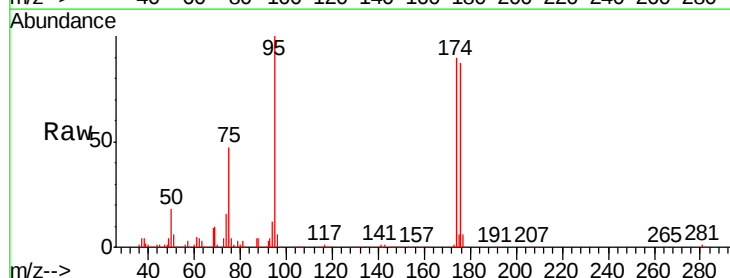
Manual Integrations  
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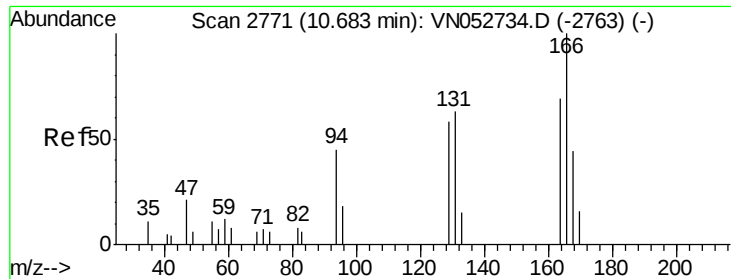
MMDadoda  
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#60  
4-Bromofluorobenzene  
Concen: 107.660 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 87.3  | 67.9  | 101.9 |
| 176     | 84.7  | 66.4  | 99.6  |





#61

Tetrachloroethene

Concen: 22.741 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 164 Resp: 227283

Ion Ratio Lower Upper

164 100

166 132.3 104.6 157.0

129 94.8 75.3 112.9

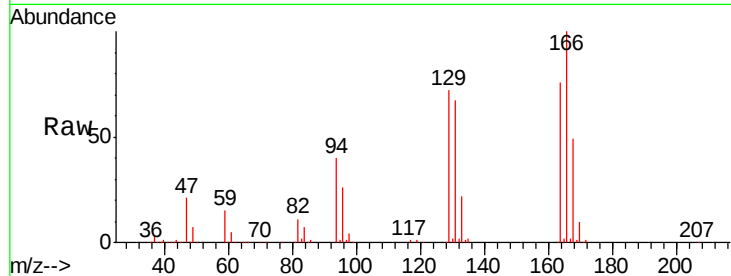
131 88.7 74.3 111.5

Manual Integrations

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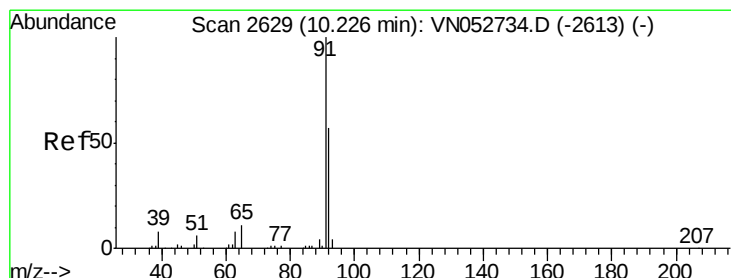
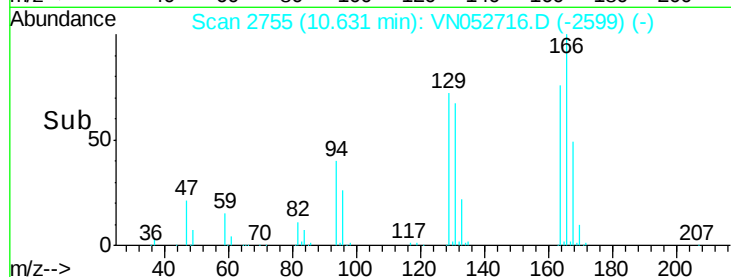
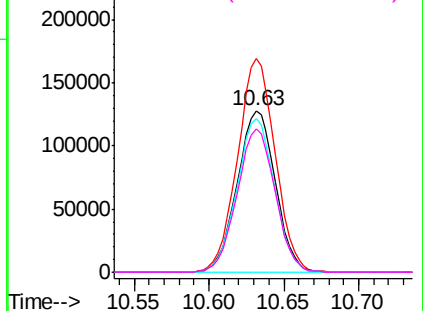


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.039 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052716.D

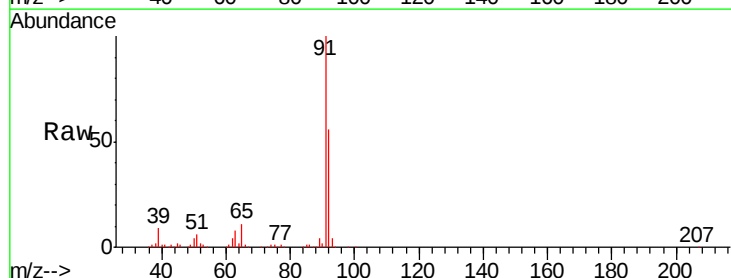
Acq: 7 Dec 2018 10:17

Tgt Ion: 91 Resp: 941161

Ion Ratio Lower Upper

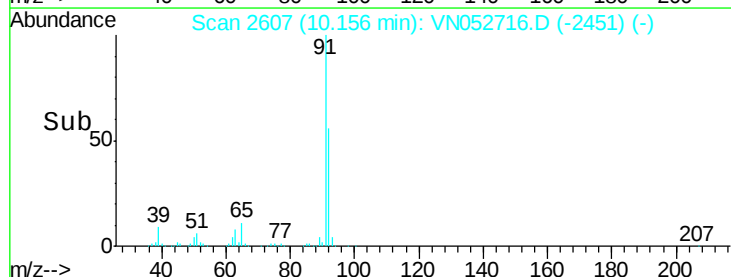
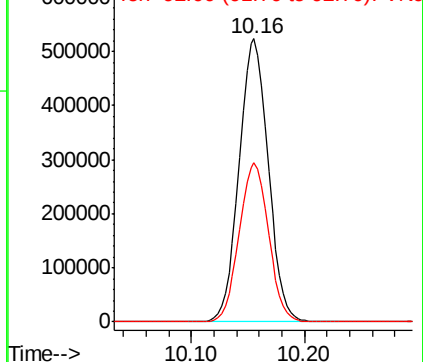
91 100

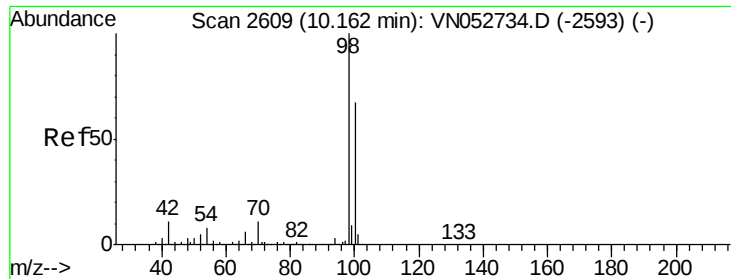
92 56.6 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 21.039 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 1116848

Ion Ratio Lower Upper

98 100

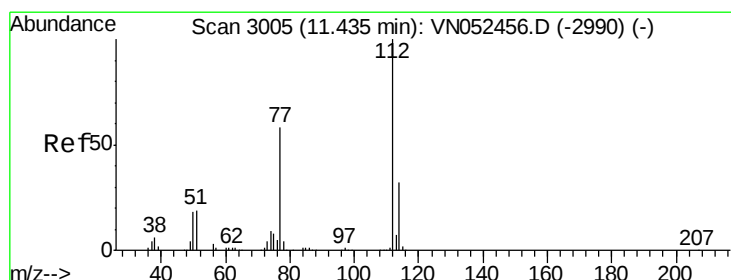
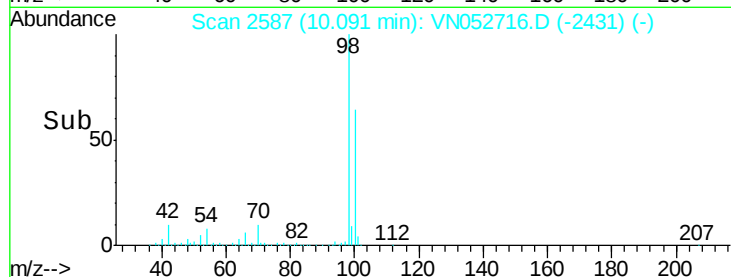
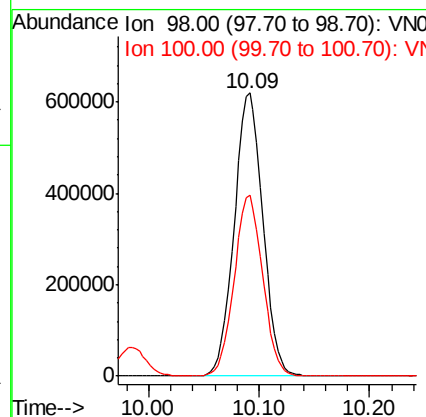
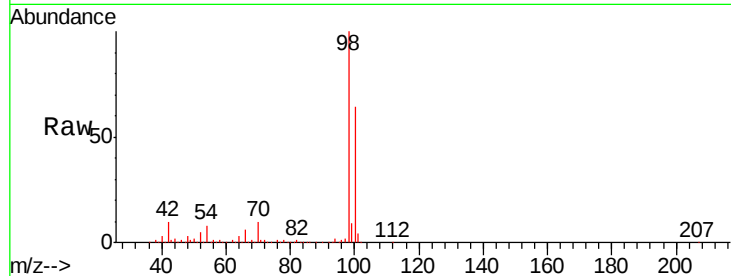
100 63.6 51.1 76.7

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#64

Chlorobenzene

Concen: 21.062 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052716.D

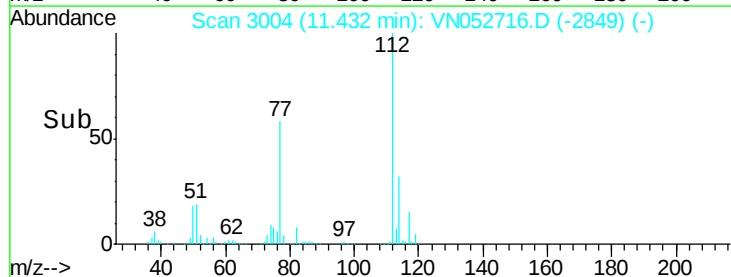
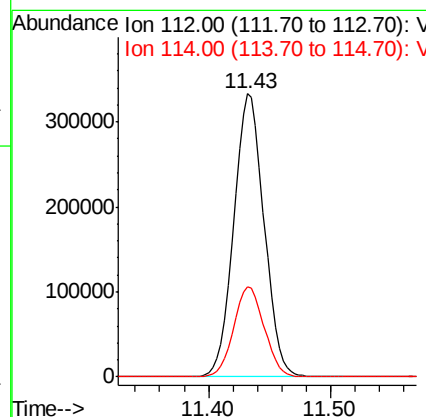
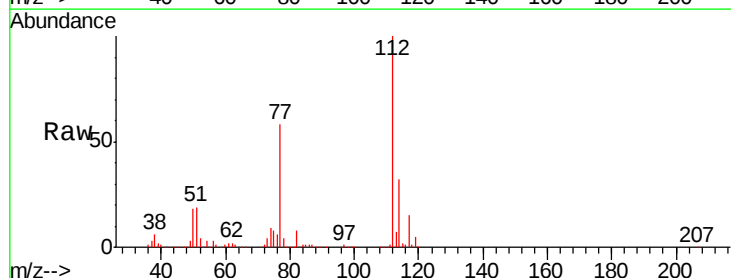
Acq: 7 Dec 2018 10:17

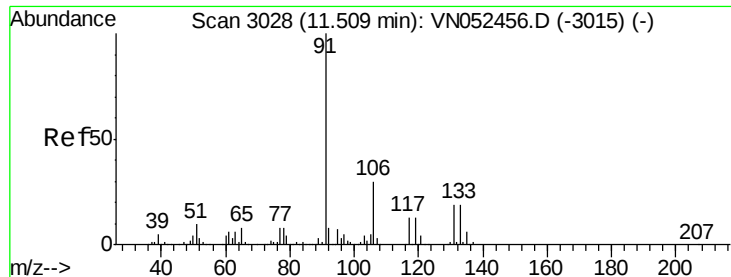
Tgt Ion: 112 Resp: 575087

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.409 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

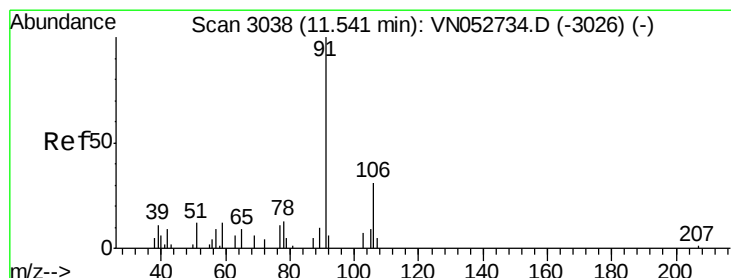
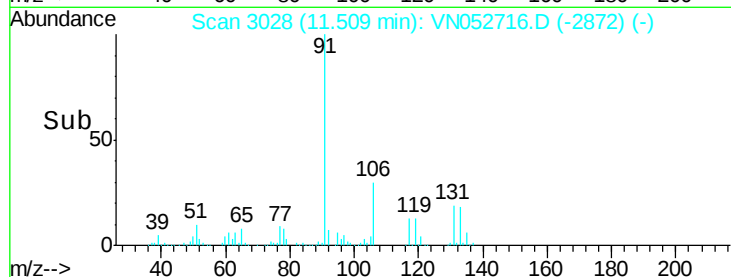
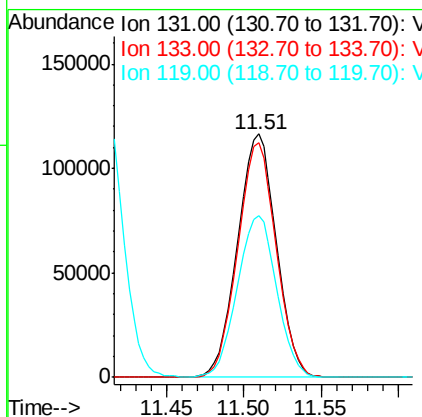
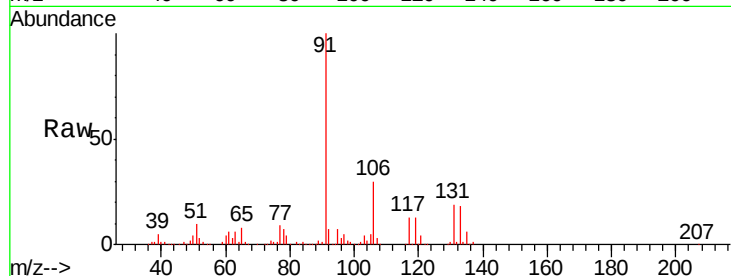
ClientSampleId :

VSTDCCC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 131   | Resp: | 202903 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 95.8  | 0.0   | 193.4  |
| 119       | 67.5  | 0.0   | 133.0  |

Manual Integrations  
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#66

Ethyl Benzene

Concen: 20.915 ug/l

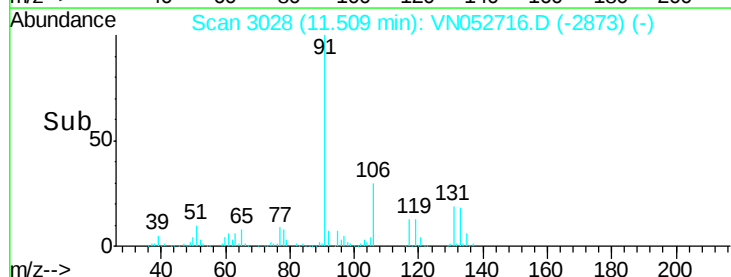
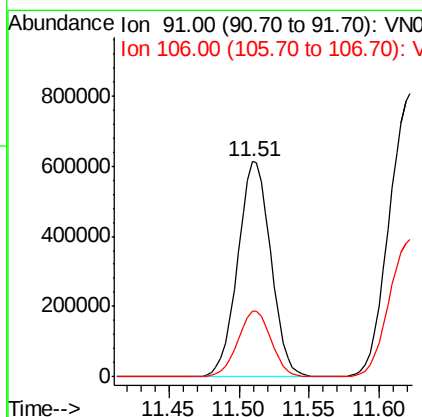
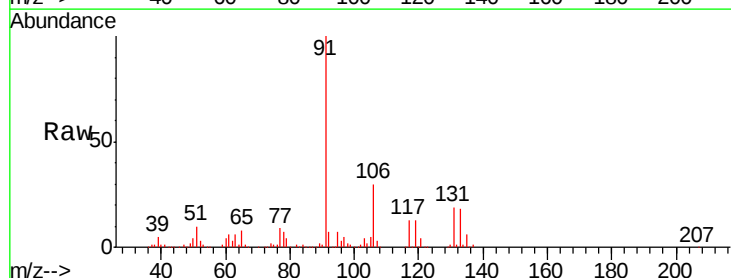
RT: 11.51 min Scan# 3028

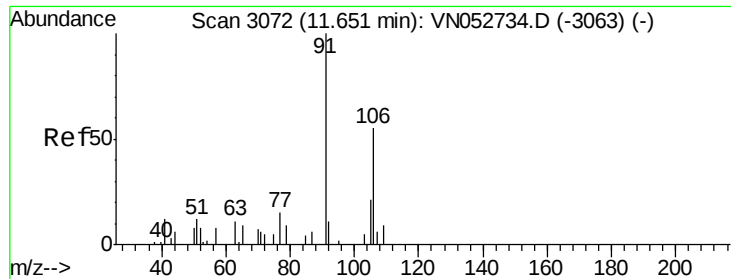
Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1008392 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 106       | 30.5  | 24.3  | 36.5    |





#67

m/p-Xylenes

Concen: 42.385 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion:106 Resp: 761323

Ion Ratio Lower Upper

106 100

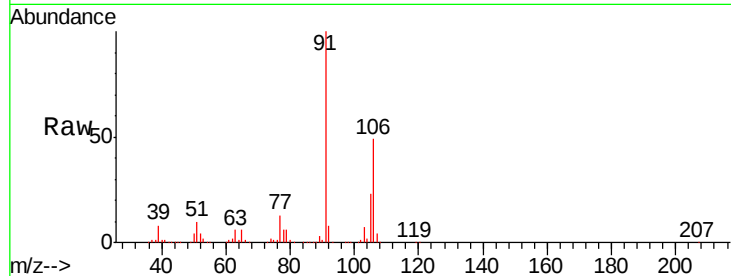
91 203.7 163.9 245.9

Manual Integrations

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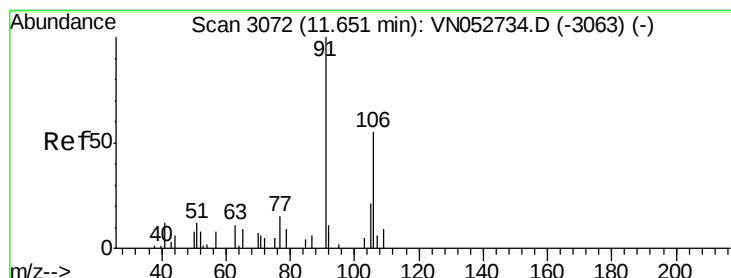
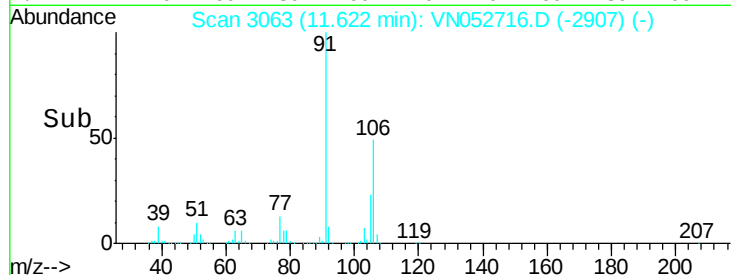
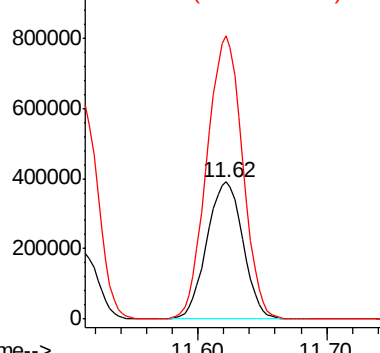
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 21.313 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052716.D

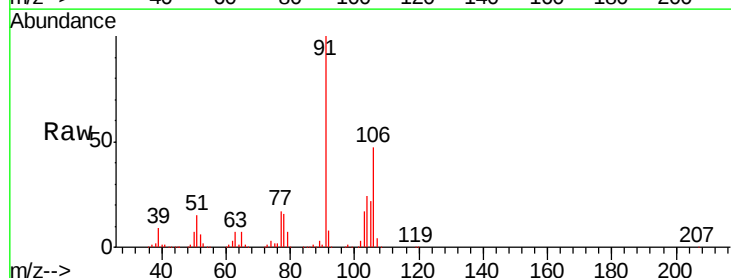
Acq: 7 Dec 2018 10:17

Tgt Ion:106 Resp: 371568

Ion Ratio Lower Upper

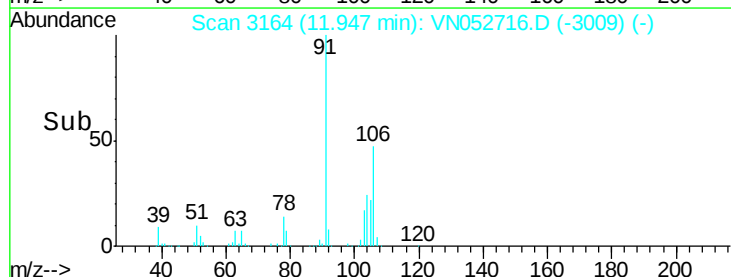
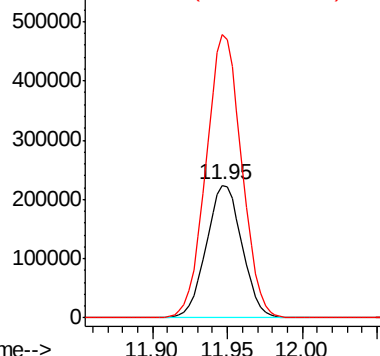
106 100

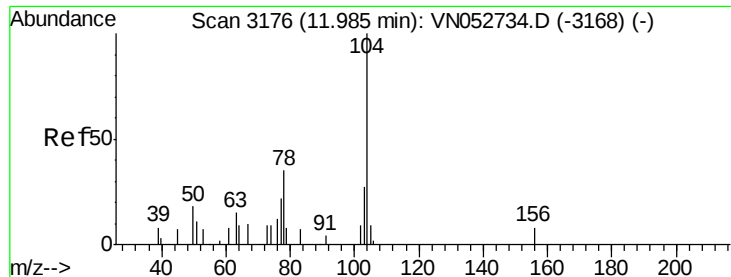
91 212.7 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





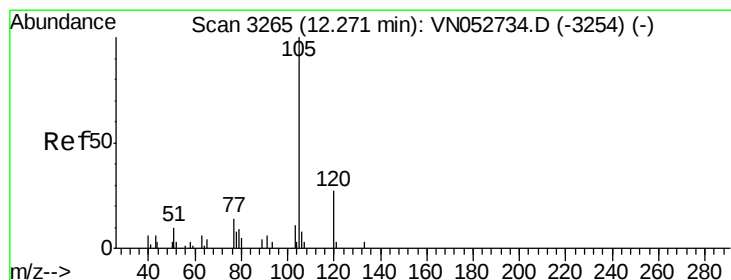
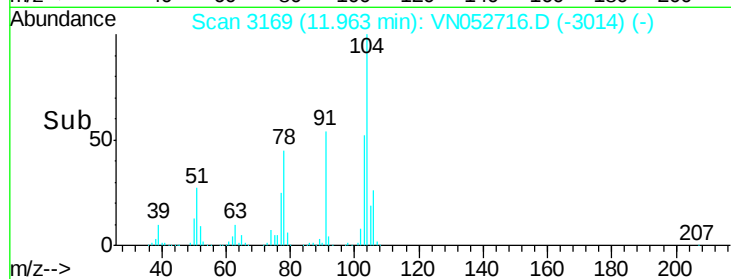
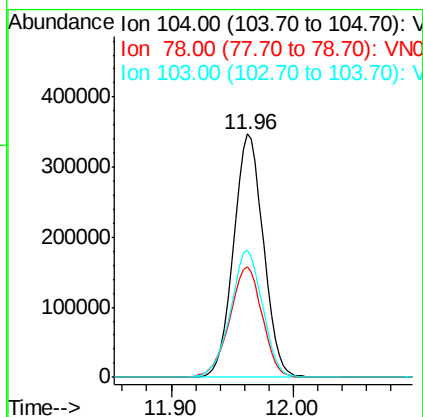
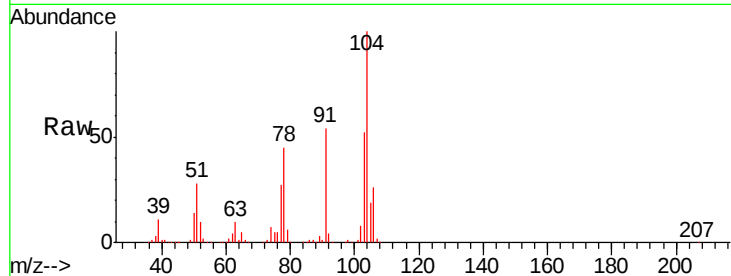
#69  
Styrene  
Concen: 20.957 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.7  | 39.3  | 58.9  |
| 103     | 56.3  | 44.6  | 66.8  |

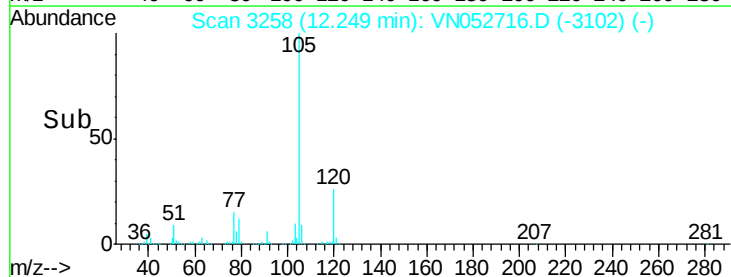
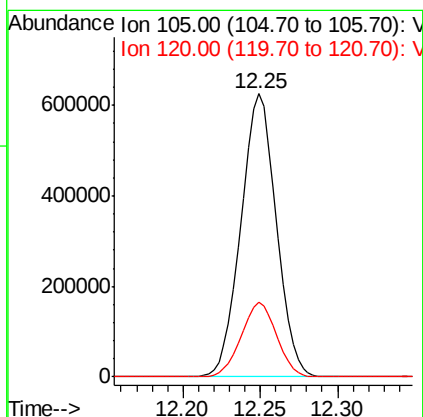
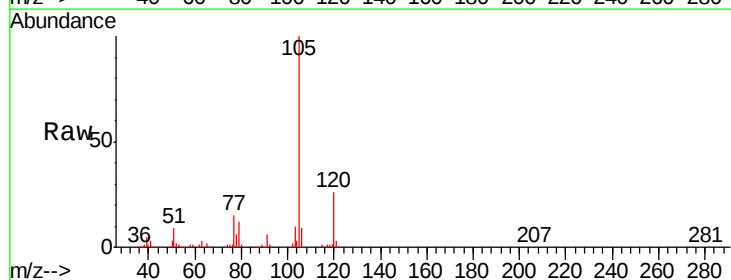
Manual Integrations  
APPROVED

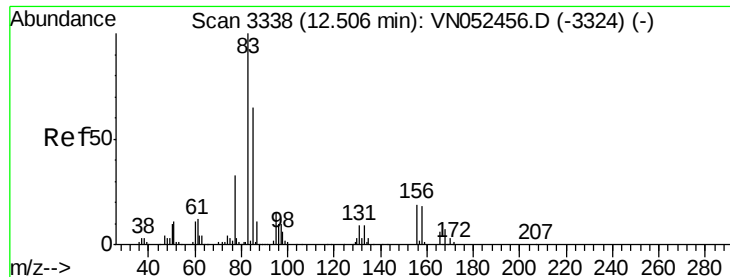
MMDadoda  
12/10/2018 12:50:23 PM



#70  
Isopropylbenzene  
Concen: 21.474 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.4  | 18.6  | 34.6  |





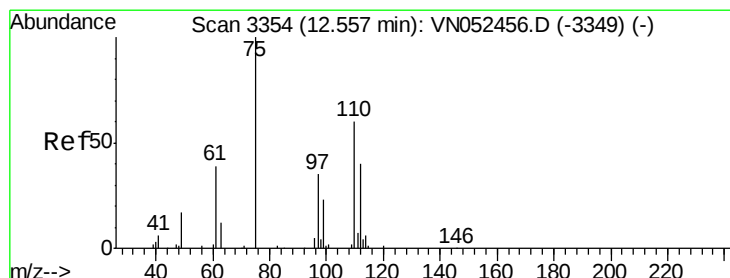
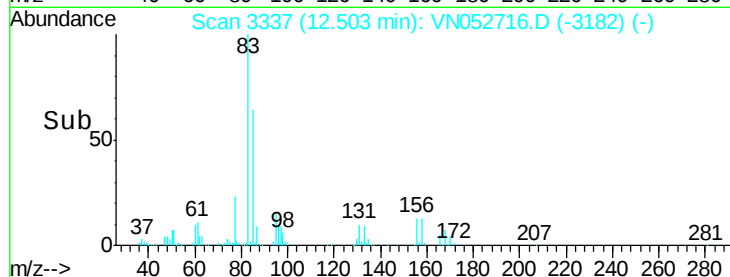
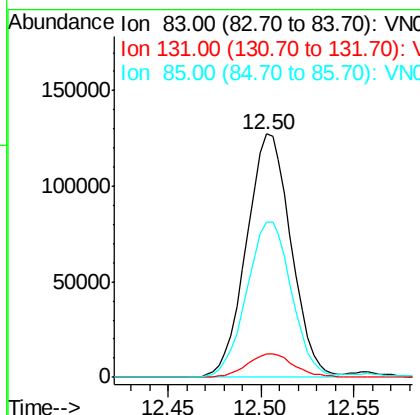
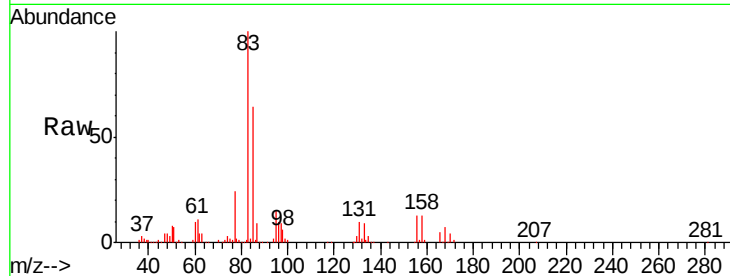
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 21.167 ug/l  
 RT: 12.50 min Scan# 3337  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 10.1  | 4.9   | 14.6  |
| 85      | 64.7  | 32.2  | 96.6  |

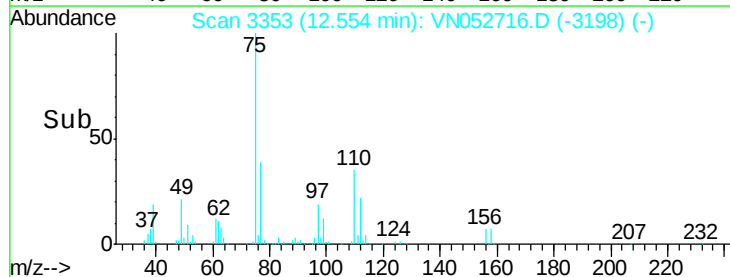
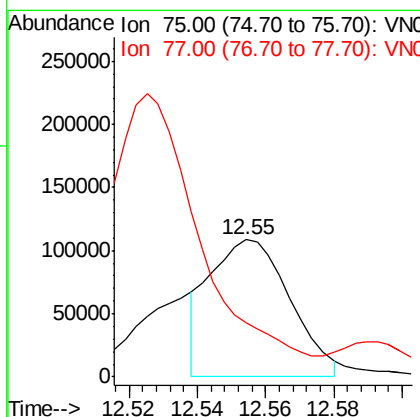
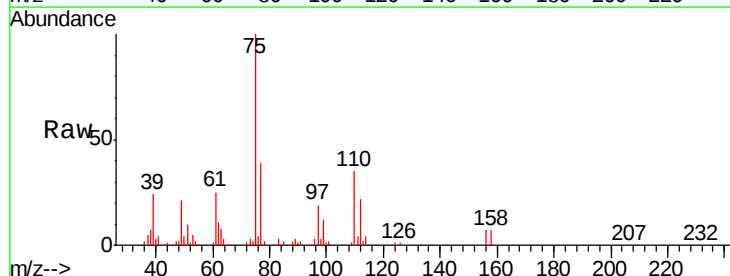
Manual Integrations  
 APPROVED

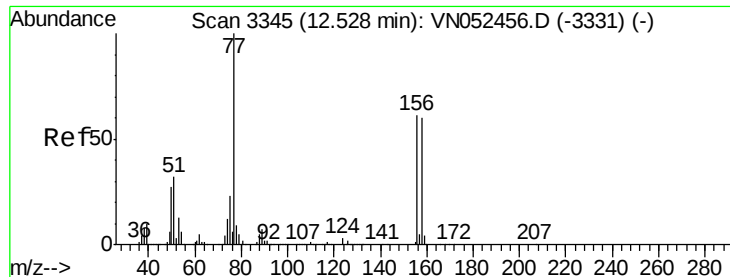
MMDadoda  
 12/10/2018 12:50:23 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 20.405 ug/l m  
 RT: 12.55 min Scan# 3353  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 250.8 | 0.0   | 514.8 |





#73

Bromobenzene

Concen: 21.441 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

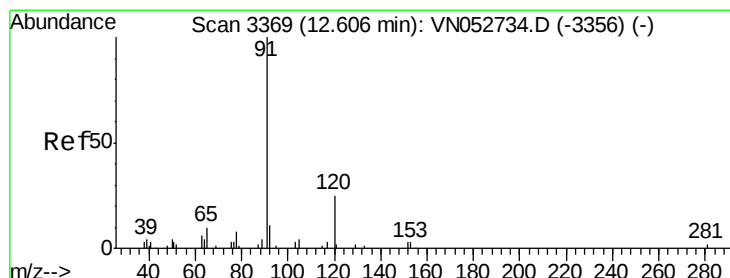
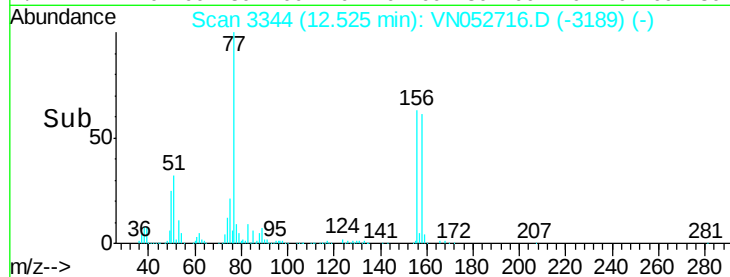
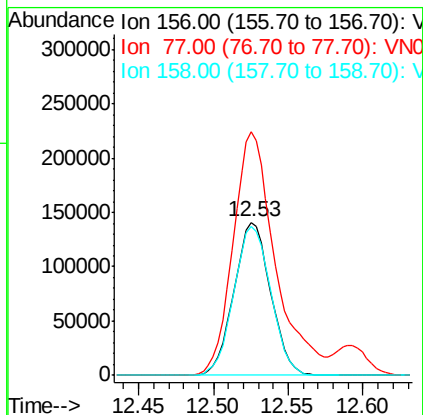
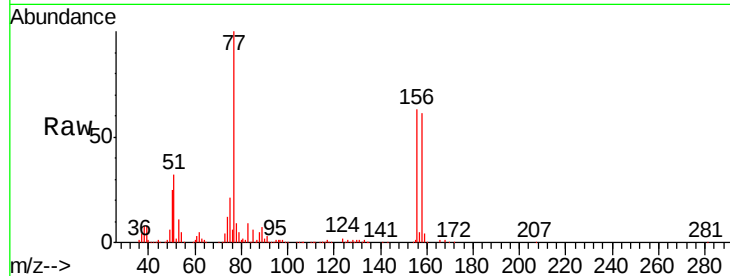
ClientSampleId :

VSTDC0020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 240535 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 184.3 | 0.0   | 382.6  |
| 158       | 98.3  | 0.0   | 196.8  |

Manual Integrations  
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#74

n-propylbenzene

Concen: 21.198 ug/l

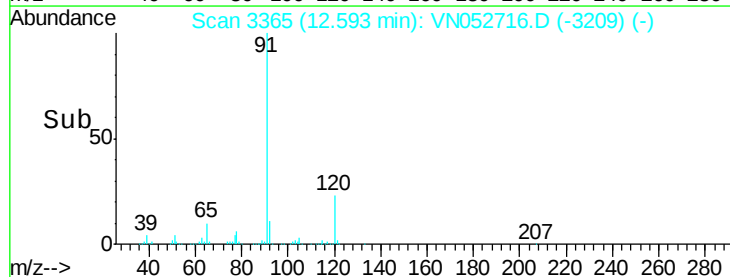
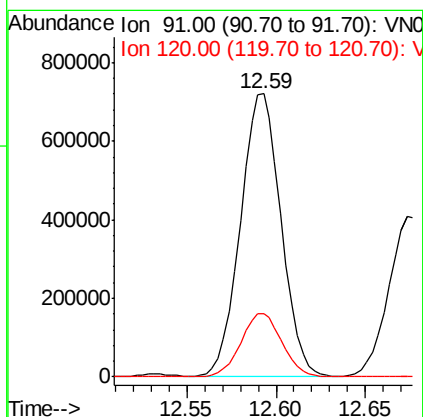
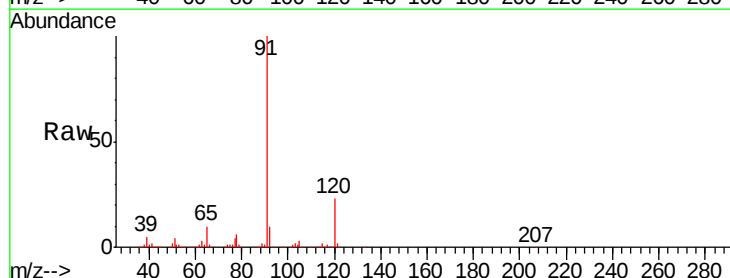
RT: 12.59 min Scan# 3365

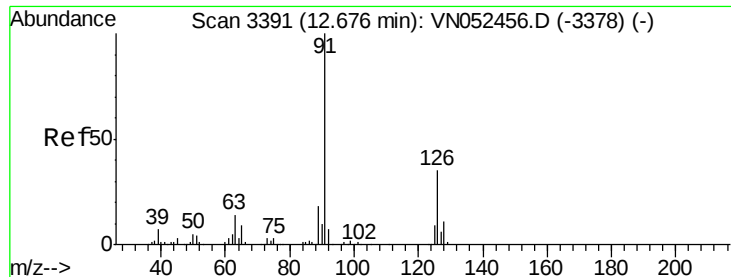
Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1145678 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.7  | 0.0   | 44.6    |





#75

2-Chlorotoluene

Concen: 21.339 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 91 Resp: 669435

Ion Ratio Lower Upper

91 100

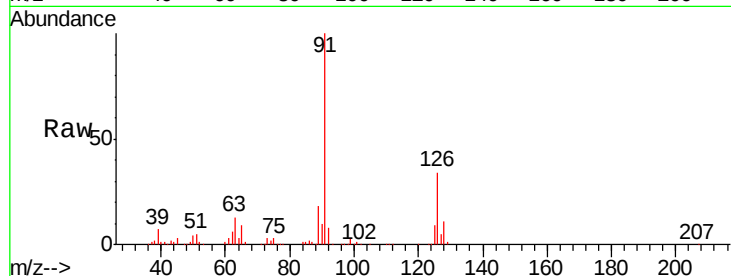
126 34.5 0.0 68.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052716.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN052716.D (-3235) (-)

600000

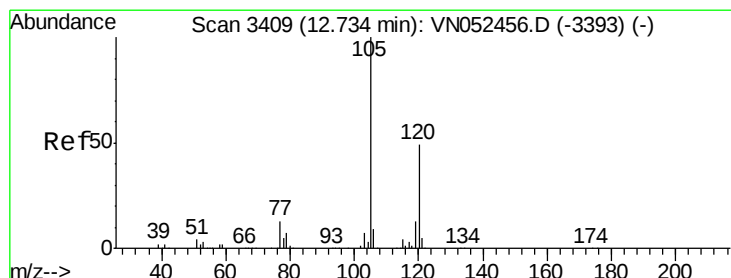
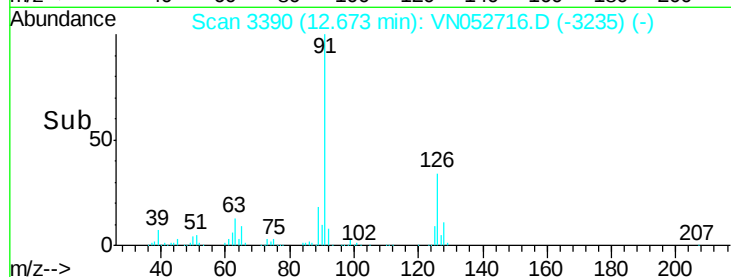
400000

200000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.543 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052716.D

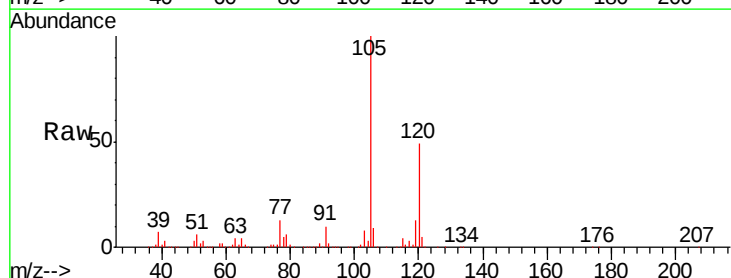
Acq: 7 Dec 2018 10:17

Tgt Ion: 105 Resp: 807135

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052716.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN052716.D (-3253) (-)

600000

500000

400000

300000

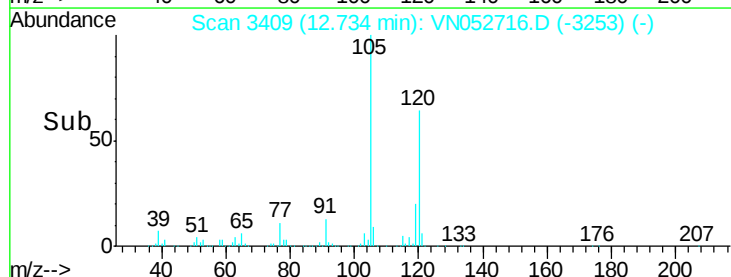
200000

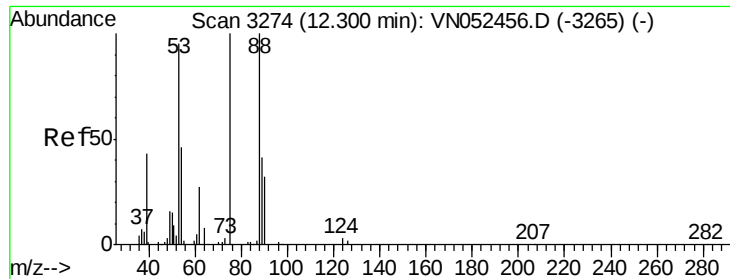
100000

0

12.65 12.70 12.75 12.80

Time-->





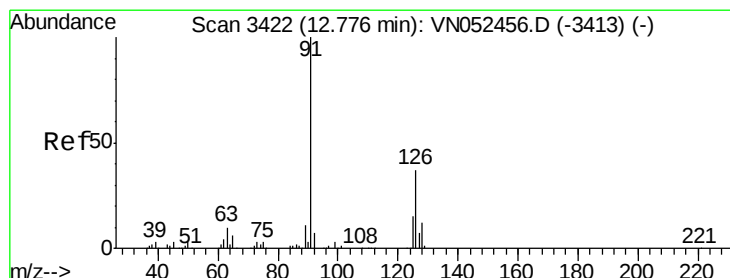
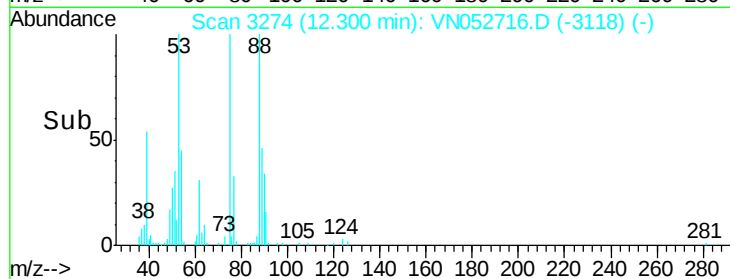
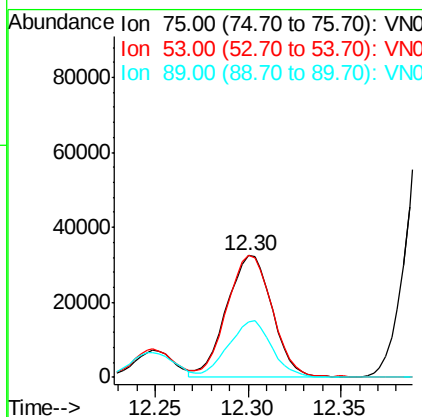
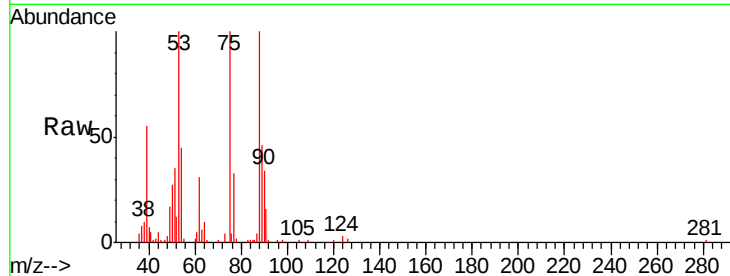
#77  
t-1,4-Dichloro-2-butene  
Concen: 20.333 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 100.1 | 48.5  | 145.6 |
| 89      | 46.5  | 21.7  | 65.1  |

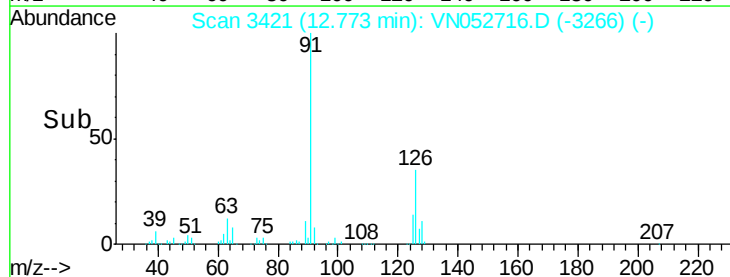
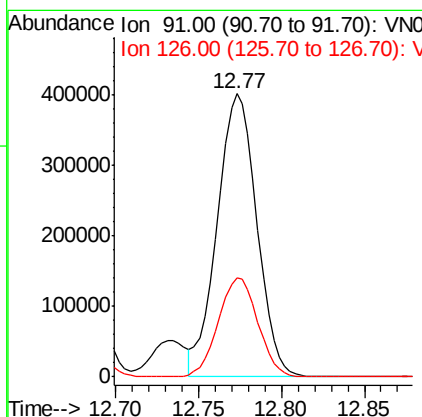
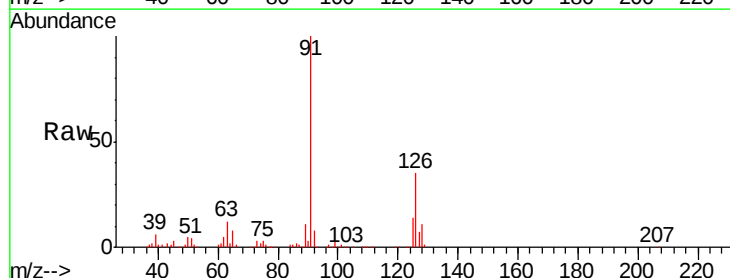
Manual Integrations  
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#78  
4-Chlorotoluene  
Concen: 21.255 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.0  | 0.0   | 68.2  |





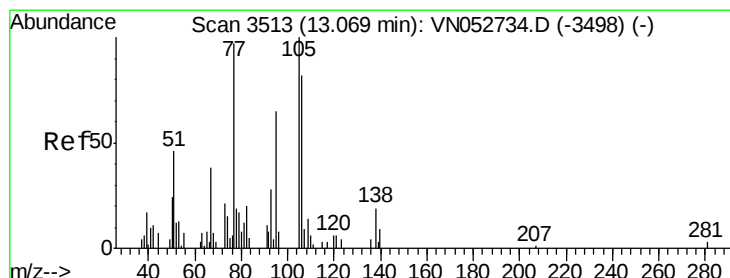
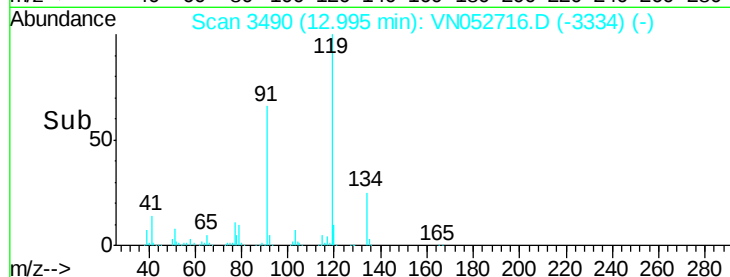
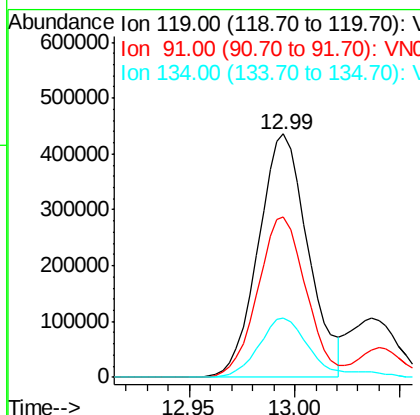
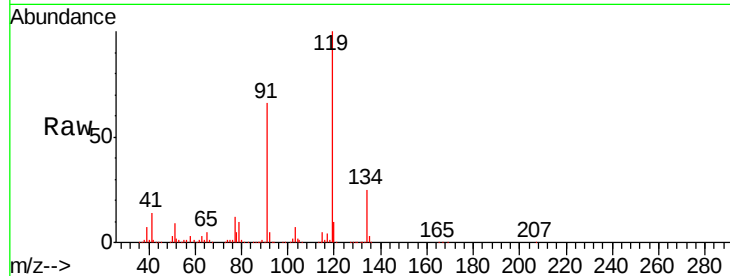
#79  
tert-butylbenzene  
Concen: 21.893 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 714340 |       |       |
| 91      | 64.5  | 0.0    | 129.8 |       |
| 134     | 24.0  | 0.0    | 52.2  |       |

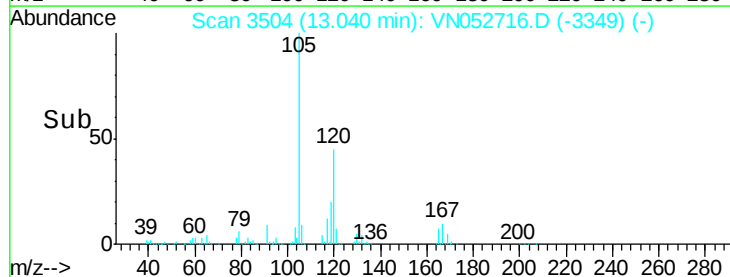
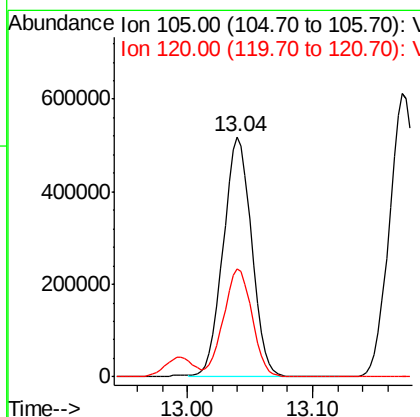
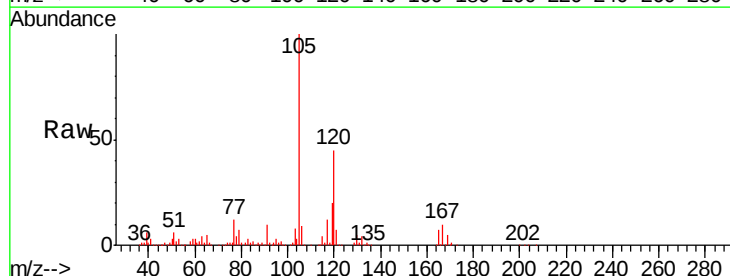
Manual Integrations  
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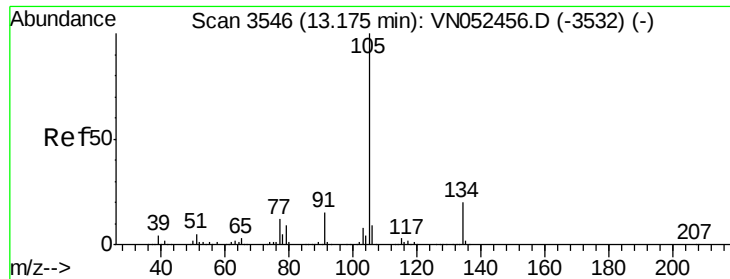
MMDadoda  
12/10/2018 12:50:23 PM



#80  
1,2,4-Trimethylbenzene  
Concen: 21.669 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. -0.00 min  
Lab File: VN052716.D  
Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 812351 |       |       |
| 120     | 45.5  | 0.0    | 91.0  |       |





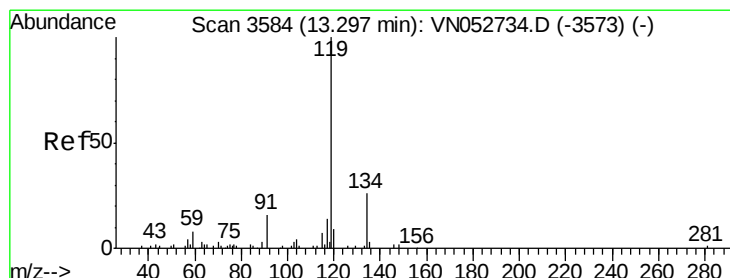
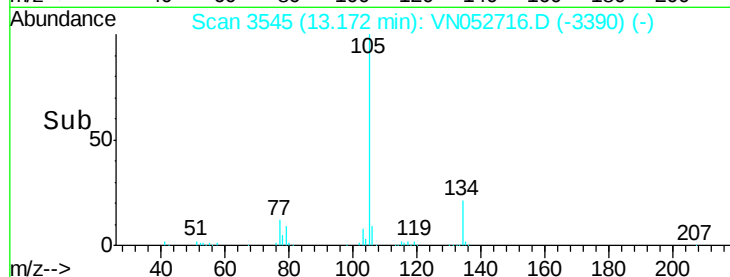
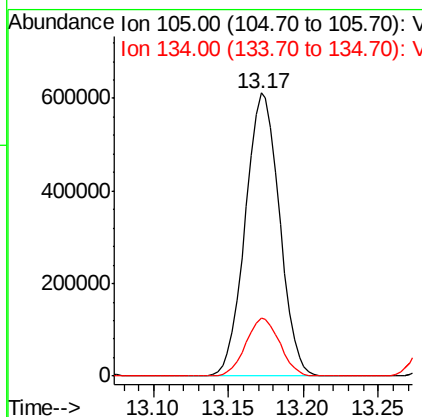
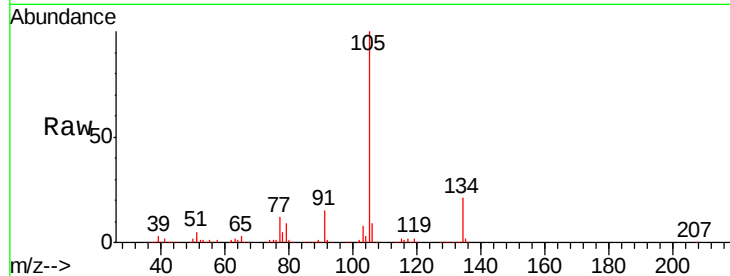
#81  
 sec-Butylbenzene  
 Concen: 21.374 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.5  | 0.0   | 40.4  |

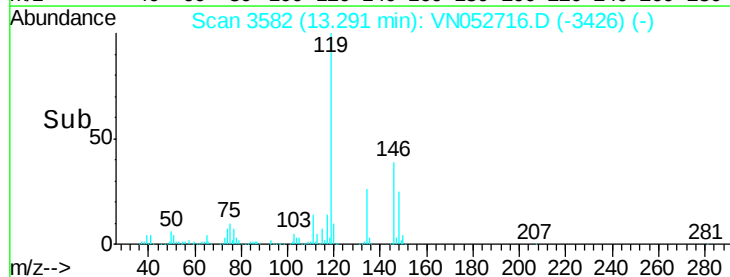
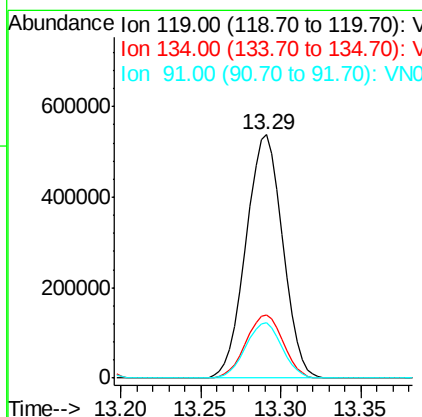
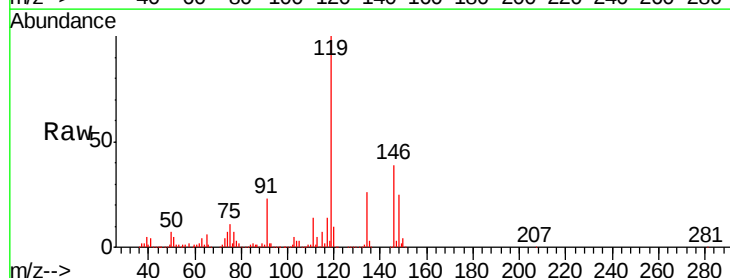
Manual Integrations  
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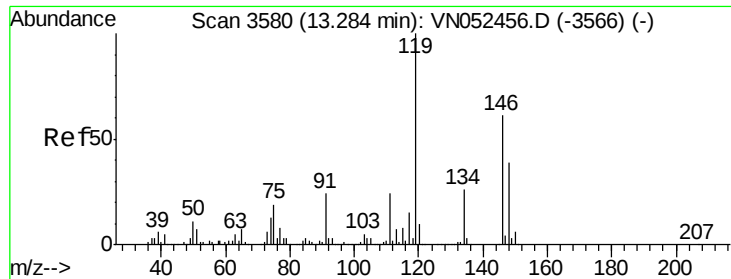
MMDadoda  
 12/10/2018 12:50:23 PM



#82  
 p-Isopropyltoluene  
 Concen: 21.775 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.5  | 0.0   | 52.6  |
| 91      | 22.6  | 0.0   | 46.2  |





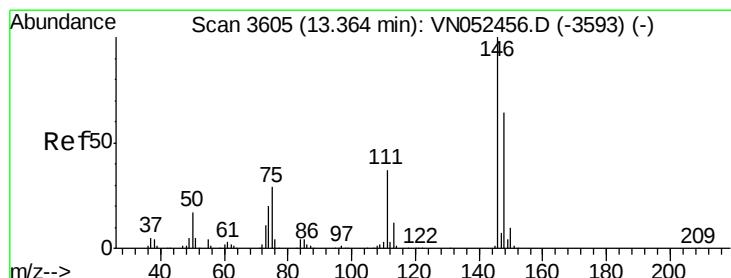
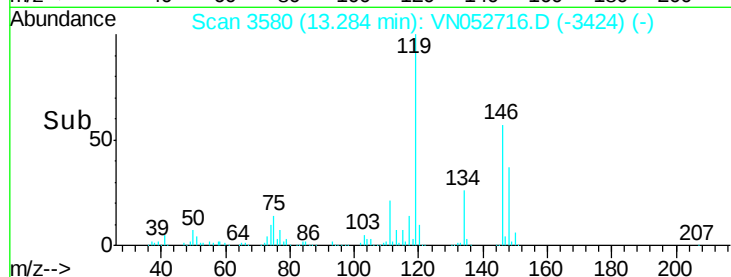
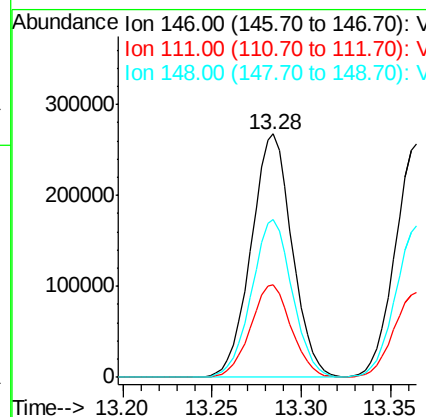
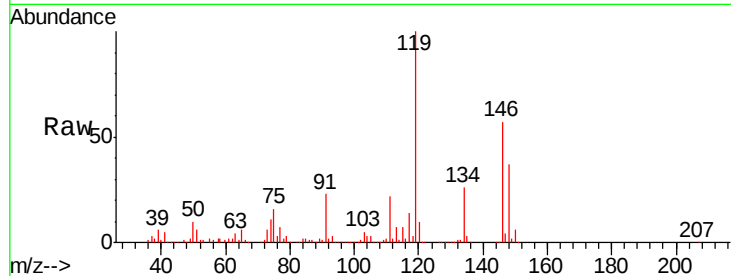
#83  
 1,3-Dichlorobenzene  
 Concen: 21.762 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 19.7  | 59.0  |
| 148     | 64.5  | 32.3  | 96.8  |

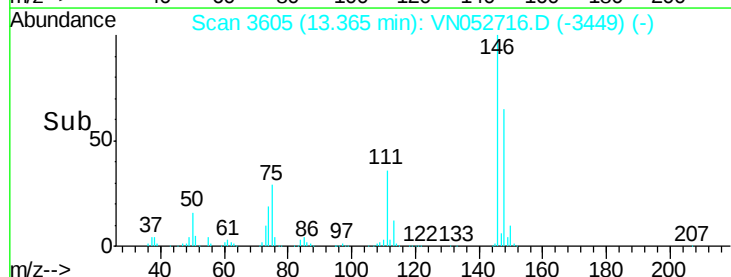
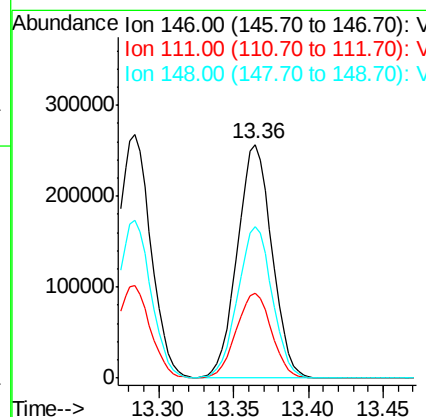
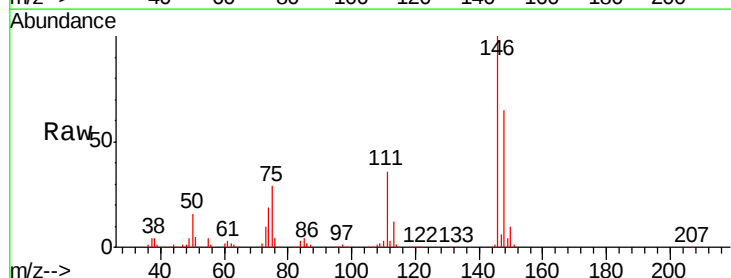
Manual Integrations  
 APPROVED

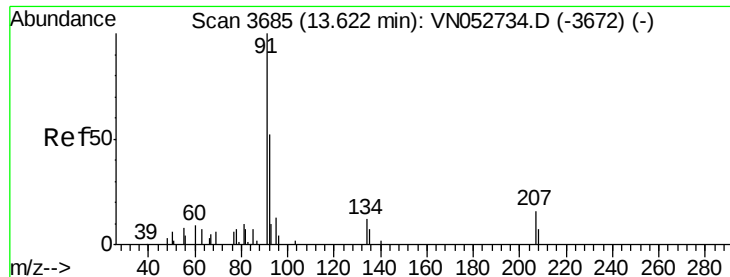
MMDadoda  
 12/10/2018 12:50:23 PM



#84  
 1,4-Dichlorobenzene  
 Concen: 21.739 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.8  | 56.3  |
| 148     | 64.5  | 32.5  | 97.4  |





#85

n-Butylbenzene

Concen: 20.945 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

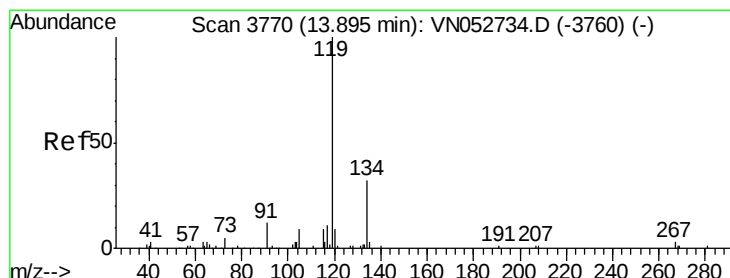
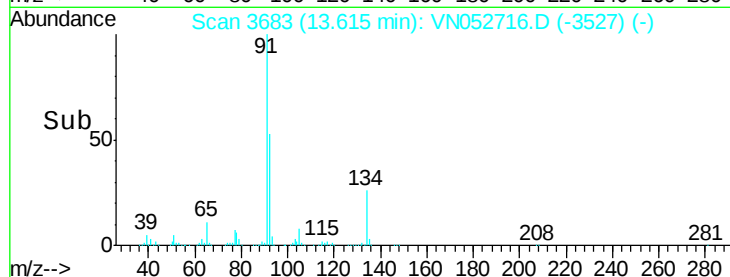
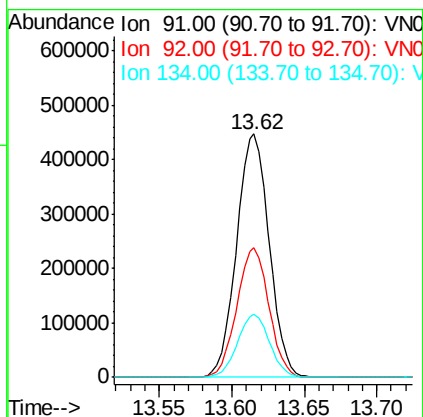
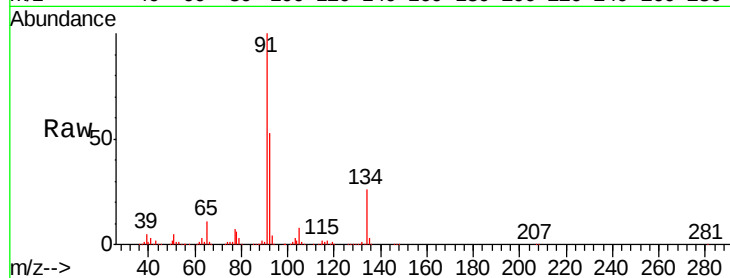
ClientSampleId :

VSTDCCC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 696248 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 52.3  | 0.0   | 104.2  |
| 134       | 25.5  | 0.0   | 50.6   |

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#86

Hexachloroethane

Concen: 21.544 ug/l

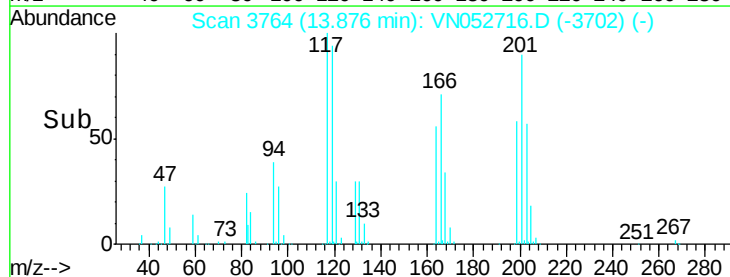
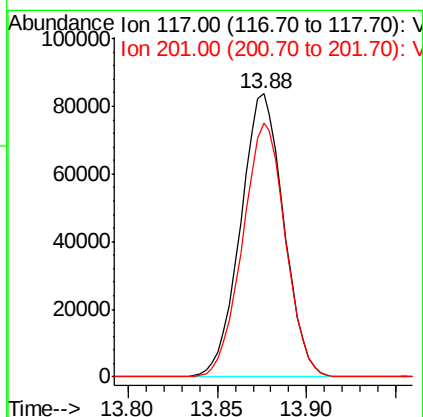
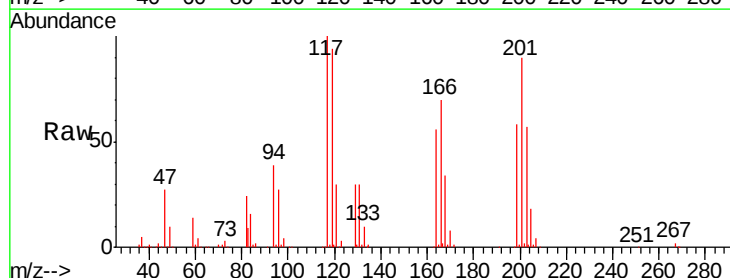
RT: 13.88 min Scan# 3764

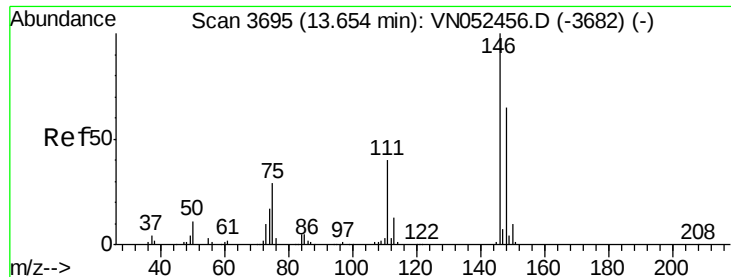
Delta R.T. 0.00 min

Lab File: VN052716.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 141263 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 201       | 88.8  | 43.8  | 131.3  |





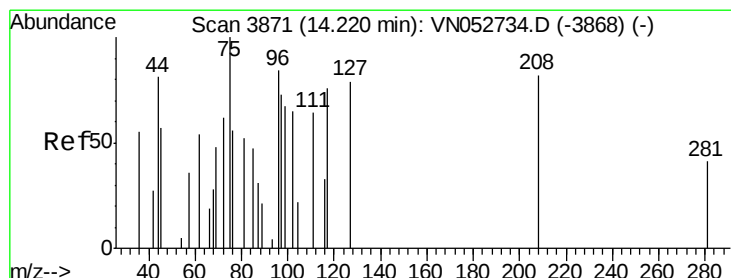
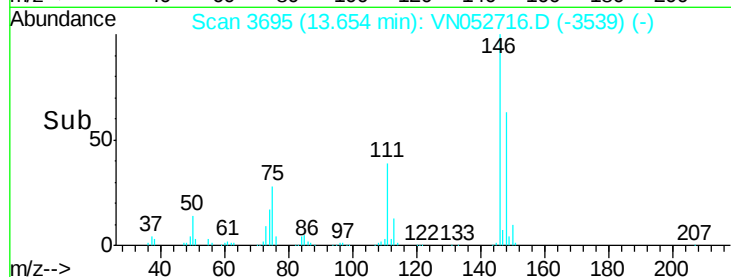
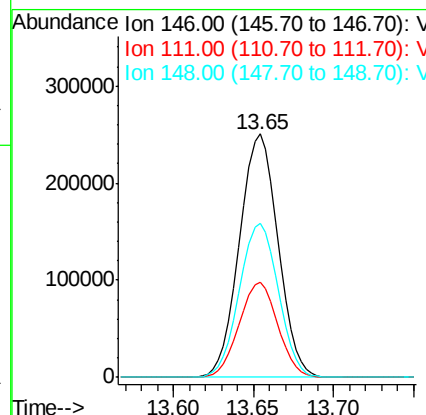
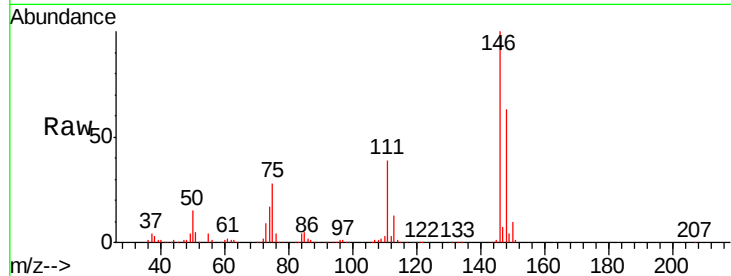
#87  
 1,2-Dichlorobenzene  
 Concen: 21.955 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 20.3  | 60.8  |
| 148     | 64.2  | 32.1  | 96.5  |

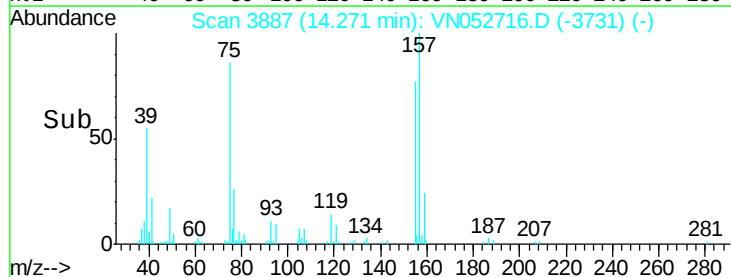
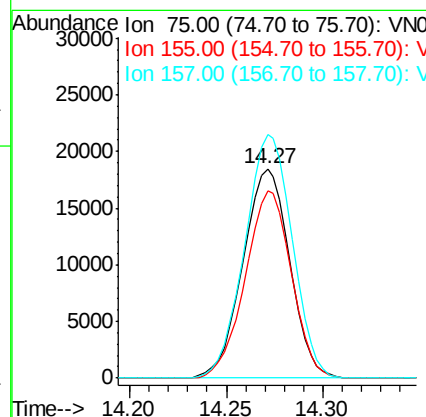
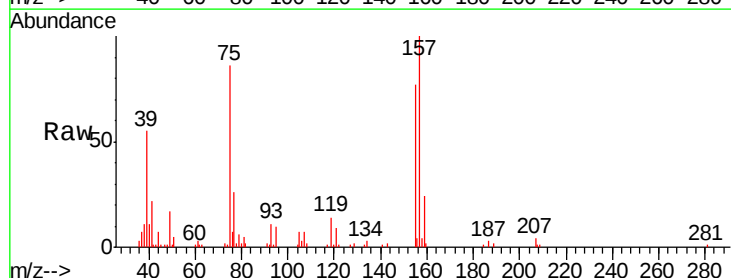
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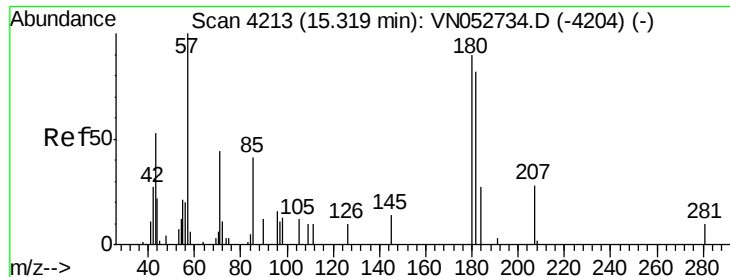
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.011 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.0  | 72.2  | 108.2 |
| 157     | 118.0 | 94.2  | 141.2 |





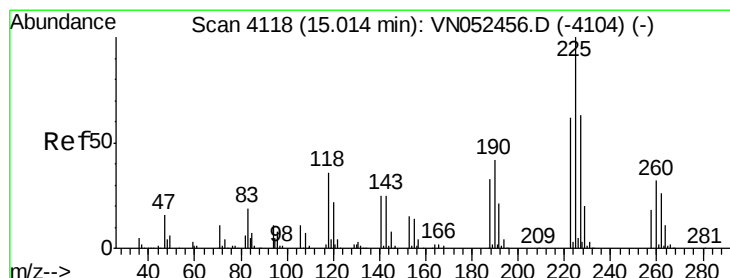
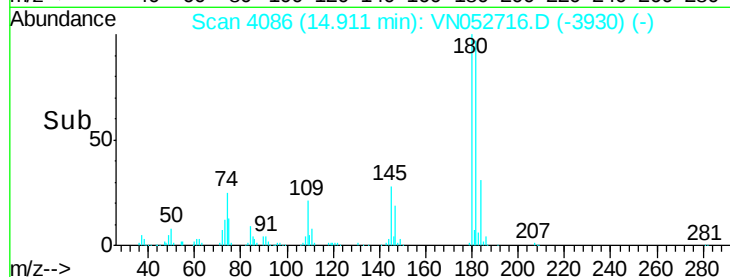
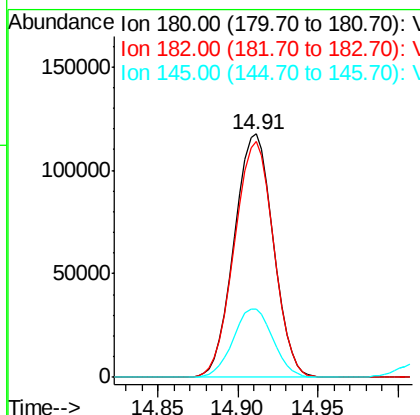
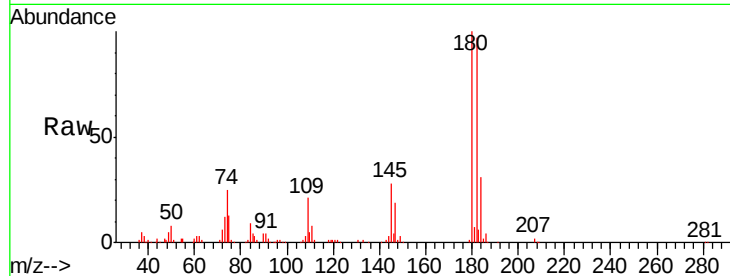
#89  
 1,2,4-Trichlorobenzene  
 Concen: 21.176 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 195895 |       |       |
| 182     | 96.9  | 76.6   | 114.8 |       |
| 145     | 28.6  | 23.6   | 35.4  |       |

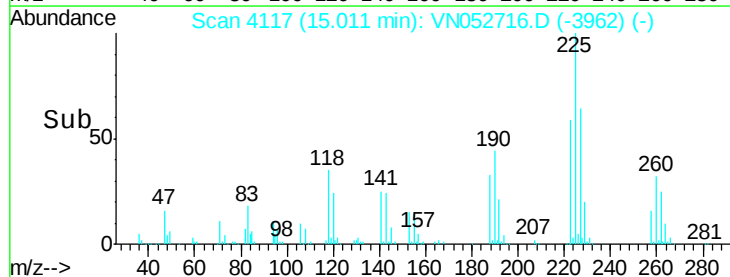
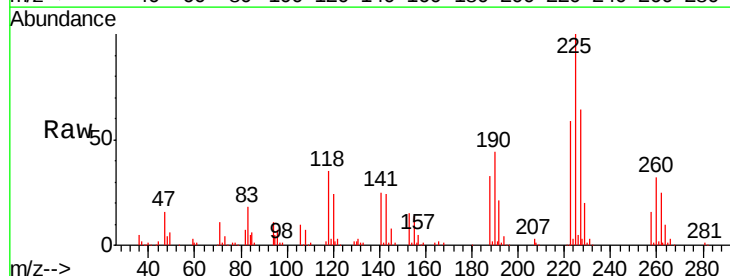
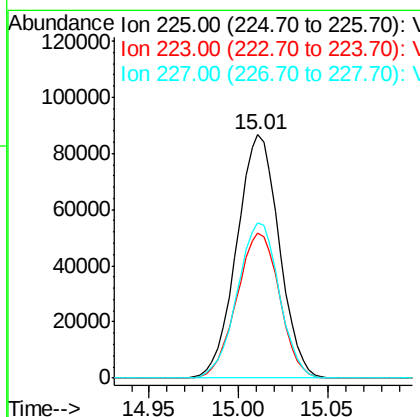
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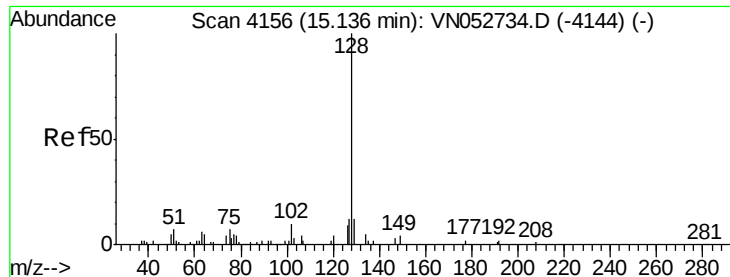
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#90  
 Hexachlorobutadiene  
 Concen: 23.630 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN052716.D  
 Acq: 7 Dec 2018 10:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 143395 |       |       |
| 223     | 60.1  | 0.0    | 125.6 |       |
| 227     | 63.3  | 0.0    | 127.8 |       |





#91

Naphthalene

Concen: 20.209 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

Instrument :

MSVOA\_N

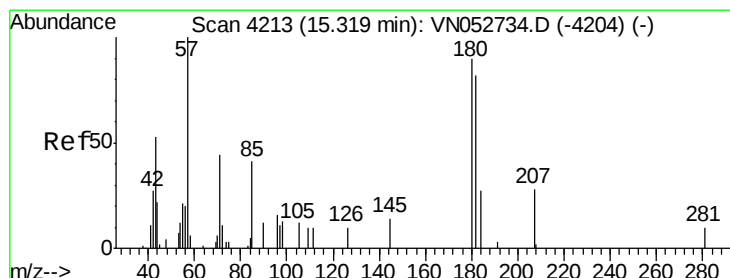
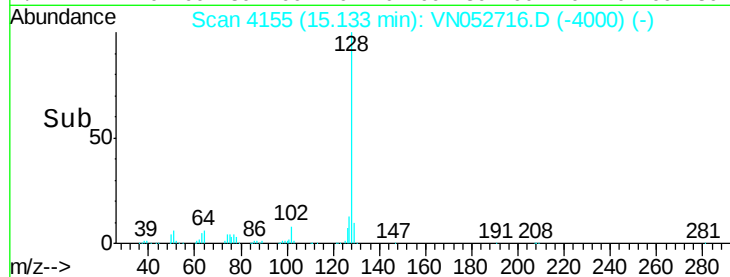
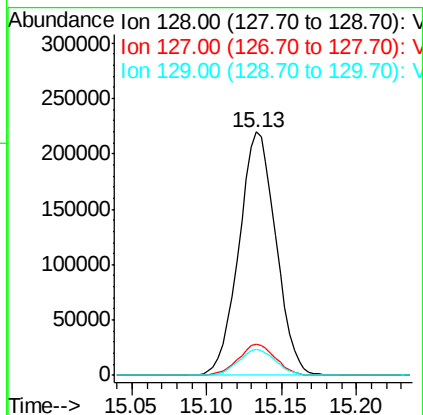
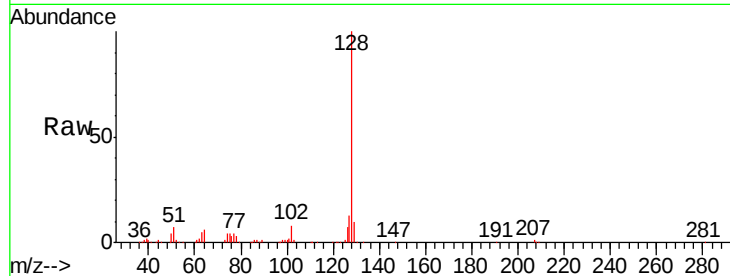
ClientSampleId :

VSTDCCC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 377522 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 9.9   | 14.9   |
| 129       | 10.7  | 8.5   | 12.7   |

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#92

1,2,3-Trichlorobenzene

Concen: 22.134 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052716.D

Acq: 7 Dec 2018 10:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 188697 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.2  | 0.0   | 196.2  |
| 145       | 30.7  | 0.0   | 62.2   |

