

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041323\  
 Data File : VD075667.D  
 Acq On : 13 Apr 2023 18:33  
 Operator : KP/SY  
 Sample : 02307-01  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PL-02-041223

Quant Time: Apr 14 01:36:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 Response via : Initial Calibration

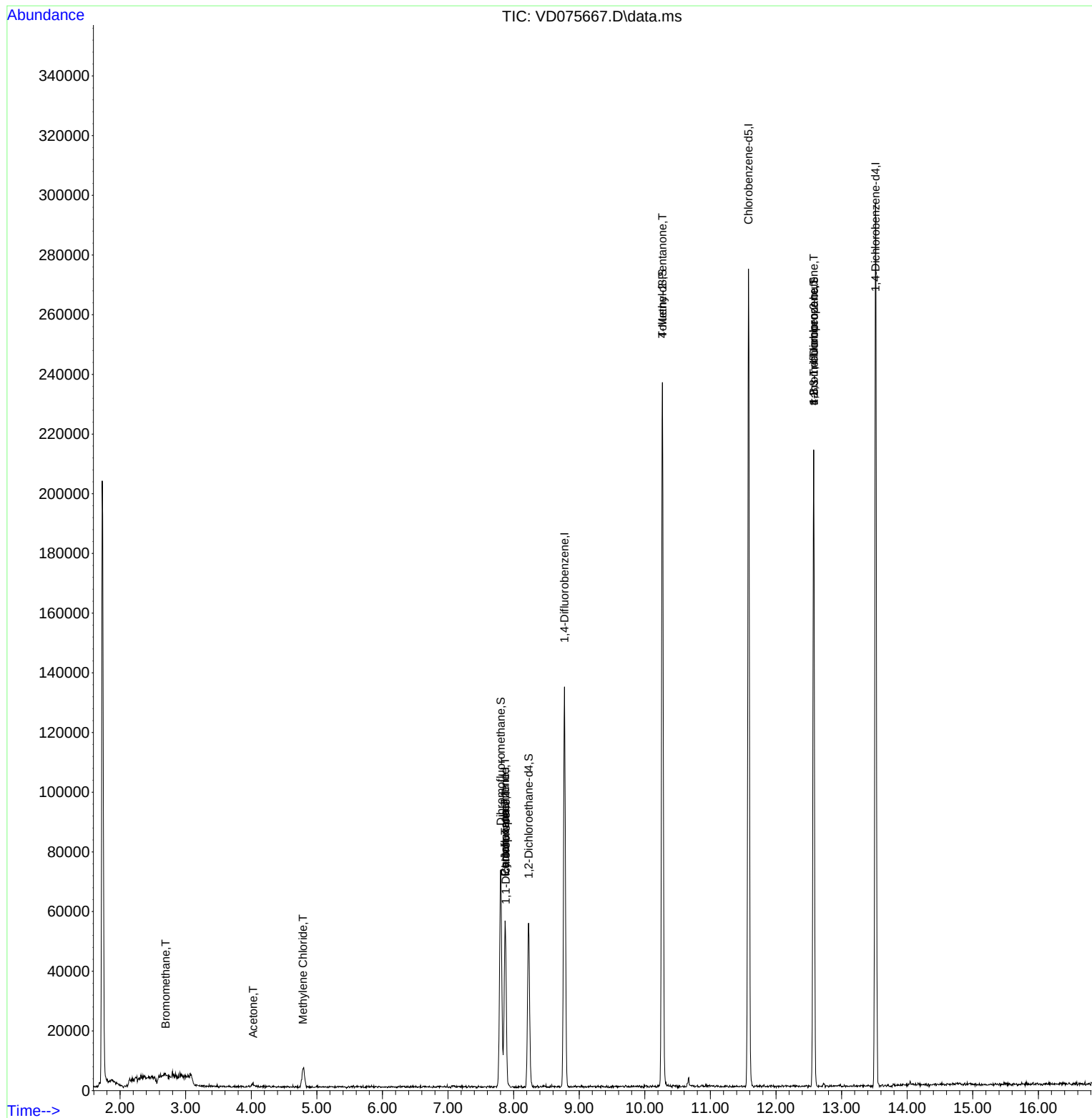
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.869     | 168   | 45243    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775     | 114   | 128585   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 170264   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 86541    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.228     | 65    | 41915    | 97.603   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 195.200%# |          |
| 35) Dibromofluoromethane      | 7.805     | 113   | 53281    | 61.606   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 123.220%  |          |
| 50) Toluene-d8                | 10.269    | 98    | 178673   | 51.589   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 103.180%  |          |
| 62) 4-Bromofluorobenzene      | 12.575    | 95    | 68451    | 74.358   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 148.720%# |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          | Qvalue      |          |
| 5) Bromomethane               | 2.693     | 94    | 1460     | 1.856    | ug/l        | 81       |
| 16) Acetone                   | 4.028     | 43    | 1630     | 20.718   | ug/l #      | 1        |
| 20) Methylene Chloride        | 4.787     | 84    | 5865     | 5.535    | ug/l #      | 64       |
| 31) Cyclohexane               | 7.869     | 56    | 690      | 1.024    | ug/l #      | 1        |
| 36) 1,1-Dichloropropene       | 7.881     | 75    | 3619     | 3.033    | ug/l #      | 42       |
| 38) Carbon Tetrachloride      | 7.869     | 117   | 4372     | 4.161    | ug/l #      | 13       |
| 51) 4-Methyl-2-Pentanone      | 10.269    | 43    | 529      | 1.498    | ug/l #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575    | 75    | 33467    | 47.422   | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575    | 75    | 33467    | 102.782  | ug/l #      | 5        |
| -----                         |           |       |          |          |             |          |

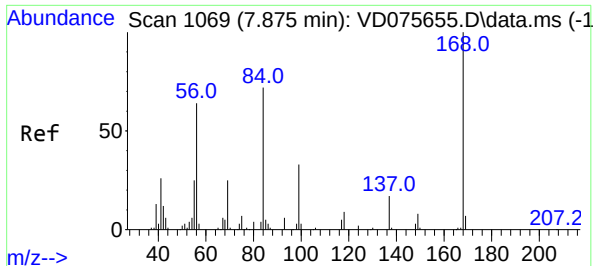
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
PL-02-041223

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Quant Title : SW846 8260  
QLast Update : Thu Apr 13 14:16:29 2023  
Response via : Initial Calibration

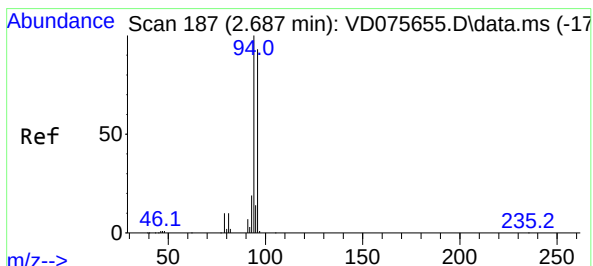
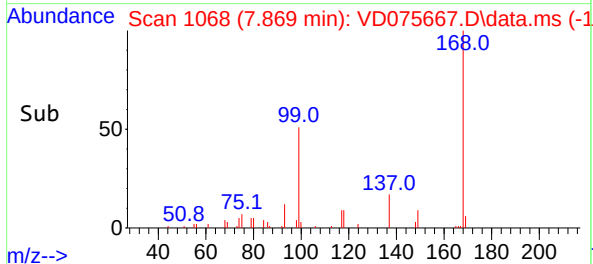
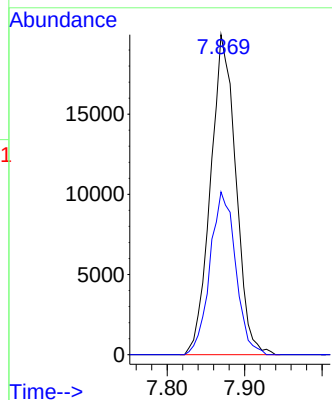
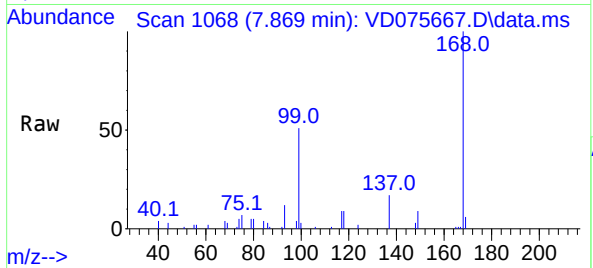




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.869 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

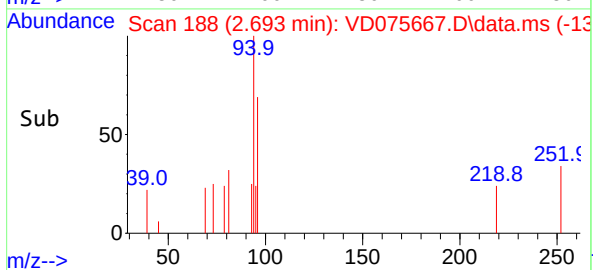
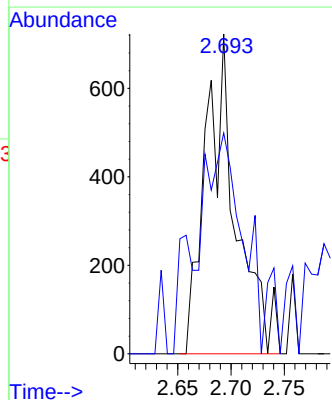
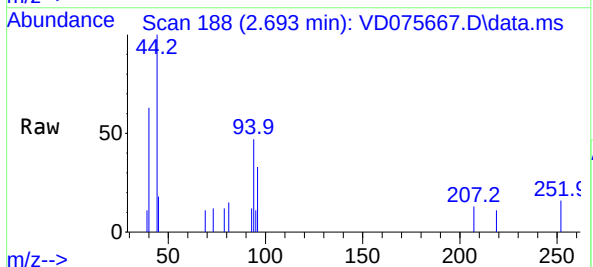
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-041223

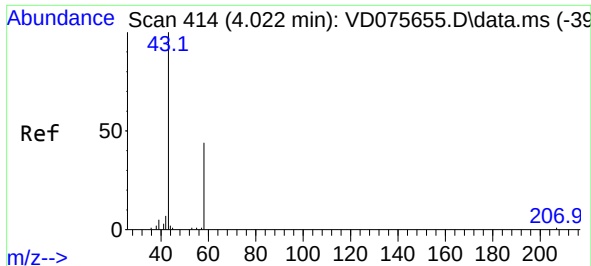
Tgt Ion:168 Resp: 45243  
Ion Ratio Lower Upper  
168 100  
99 50.9 43.8 65.6



#5  
Bromomethane  
Concen: 1.856 ug/l  
RT: 2.693 min Scan# 188  
Delta R.T. 0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Tgt Ion: 94 Resp: 1460  
Ion Ratio Lower Upper  
94 100  
96 78.4 77.5 116.3

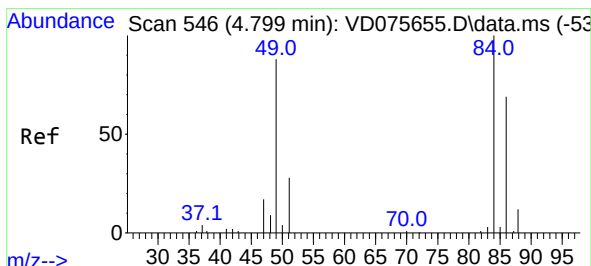
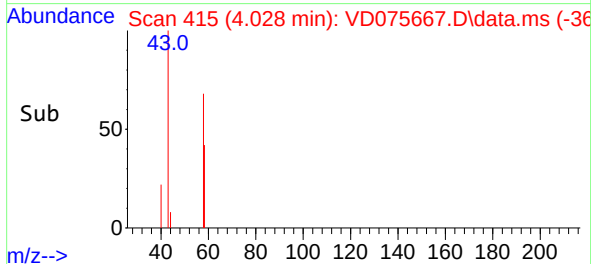
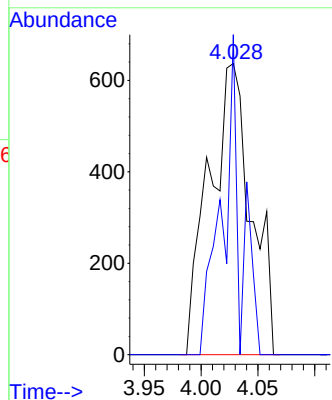
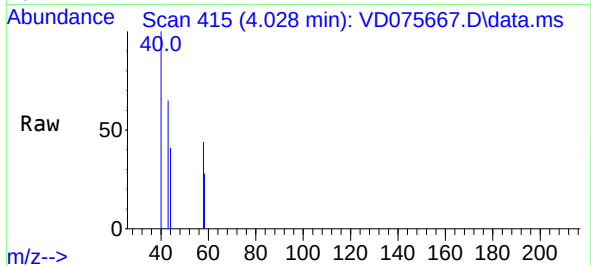




#16  
Acetone  
Concen: 20.718 ug/l  
RT: 4.028 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

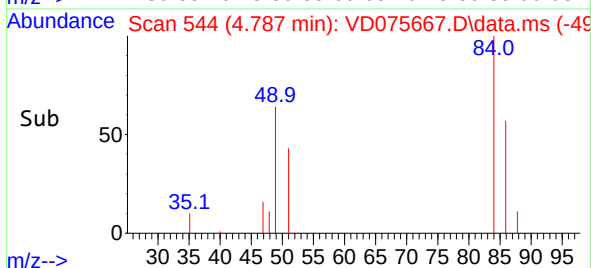
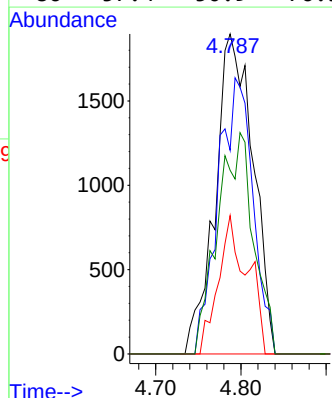
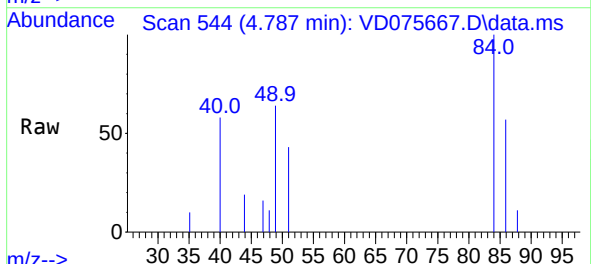
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-041223

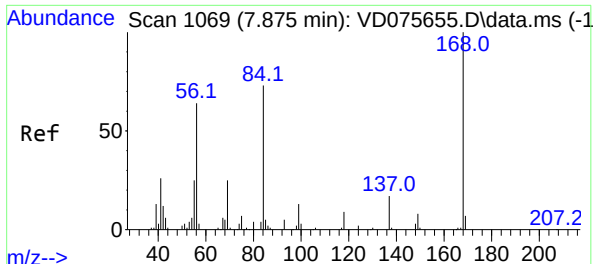
Tgt Ion: 43 Resp: 1630  
Ion Ratio Lower Upper  
43 100  
58 109.9 24.4 36.6#



#20  
Methylene Chloride  
Concen: 5.535 ug/l  
RT: 4.787 min Scan# 544  
Delta R.T. -0.012 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Tgt Ion: 84 Resp: 5865  
Ion Ratio Lower Upper  
84 100  
49 63.6 106.4 159.6#  
51 43.2 32.4 48.6  
86 57.4 50.9 76.3

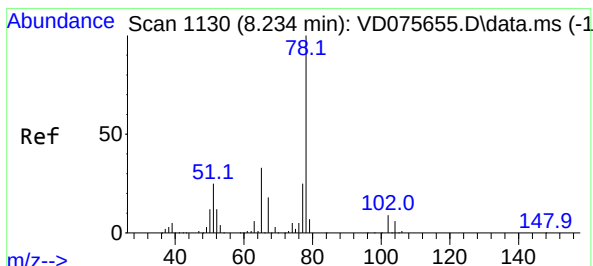
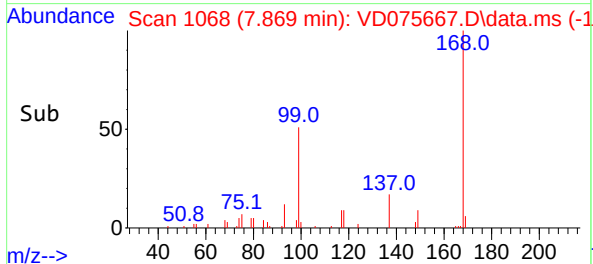
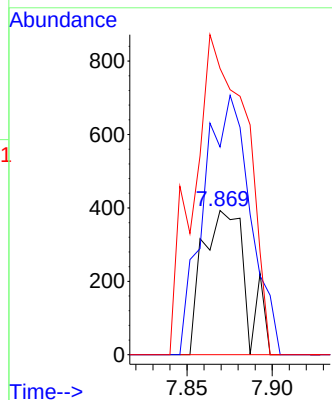
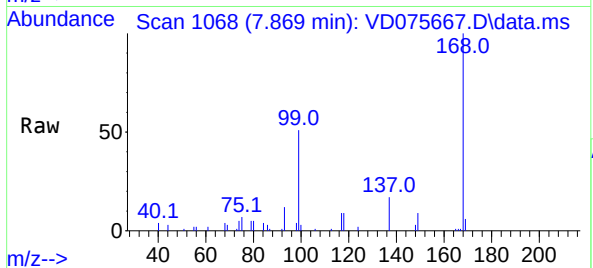




#31  
Cyclohexane  
Concen: 1.024 ug/l  
RT: 7.869 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

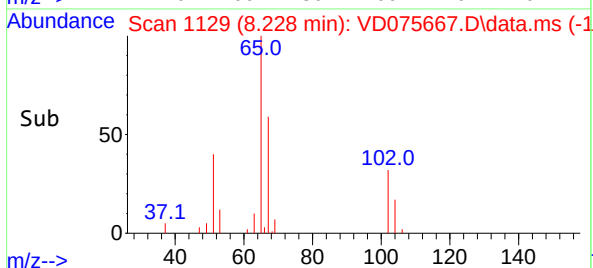
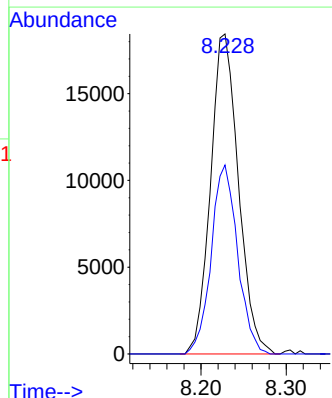
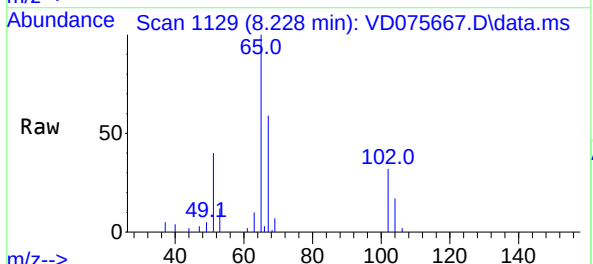
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-041223

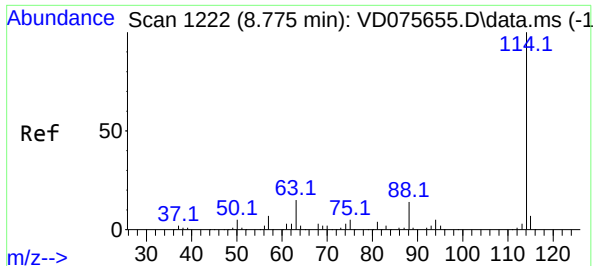
Tgt Ion: 56 Resp: 690  
Ion Ratio Lower Upper  
56 100  
69 144.0 25.5 38.3#  
84 198.5 69.6 104.4#



#33  
1,2-Dichloroethane-d4  
Concen: 97.603 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Tgt Ion: 65 Resp: 41915  
Ion Ratio Lower Upper  
65 100  
67 55.8 0.0 102.2

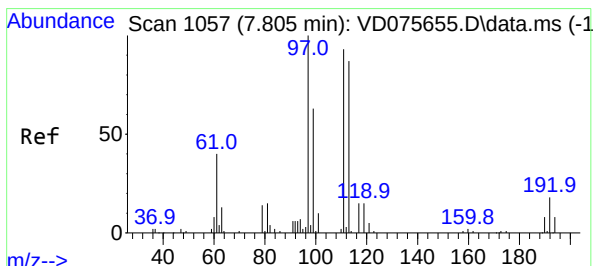
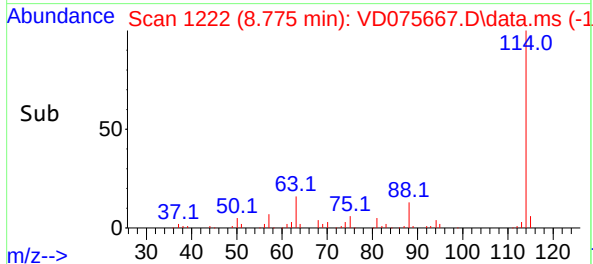
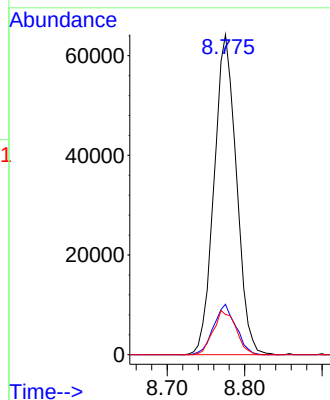
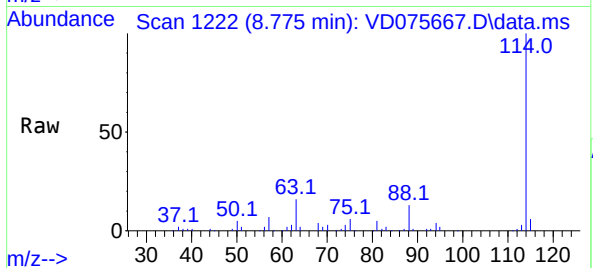




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

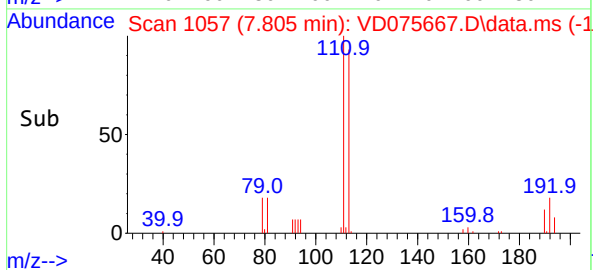
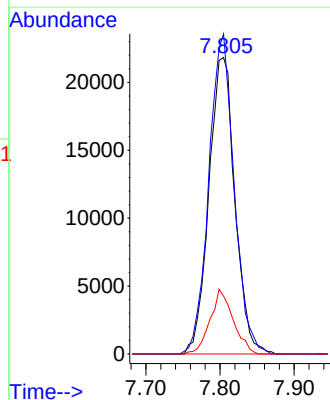
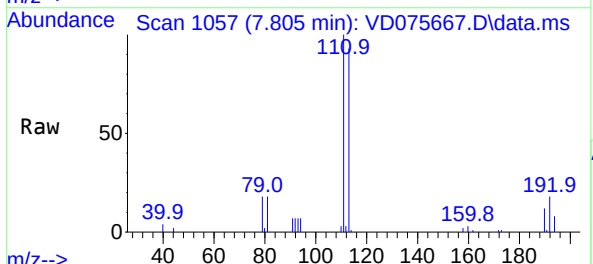
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-041223

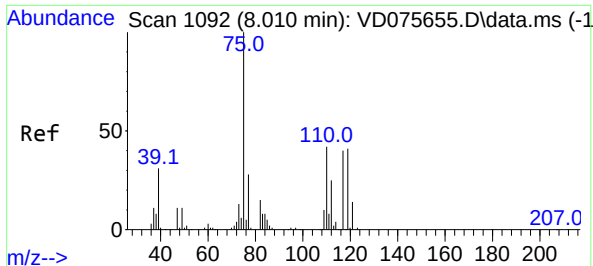
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 128585      |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 15.7  | 0.0 41.6    |
| 88          | 12.6  | 0.0 30.6    |



#35  
Dibromofluoromethane  
Concen: 61.606 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 53281       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 104.9 | 81.4 122.0  |
| 192         | 19.3  | 15.2 22.8   |





#36

1,1-Dichloropropene

Concen: 3.033 ug/l

RT: 7.881 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VD075667.D

Acq: 13 Apr 2023 18:33

Instrument :

MSVOA\_D

ClientSampleId :

PL-02-041223

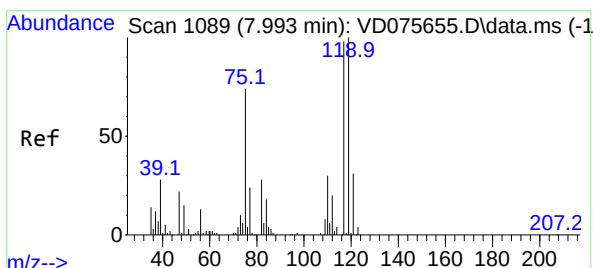
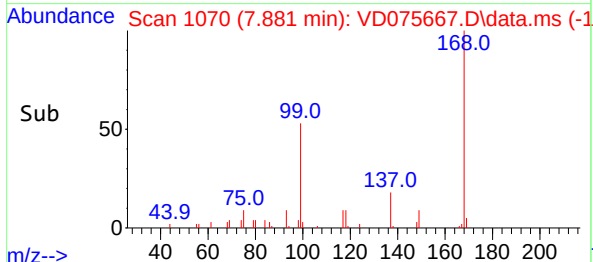
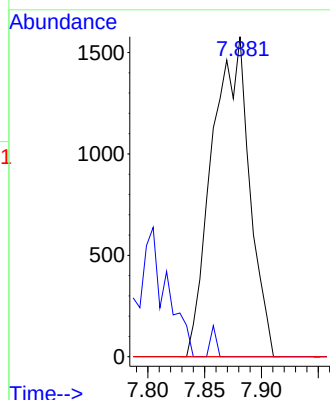
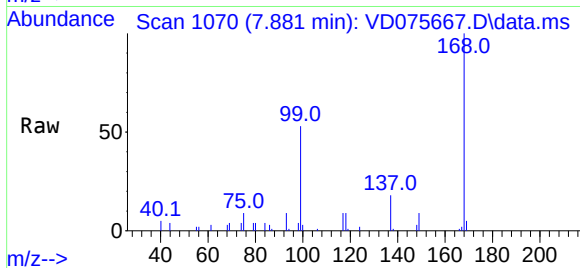
Tgt Ion: 75 Resp: 3619

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.161 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD075667.D

Acq: 13 Apr 2023 18:33

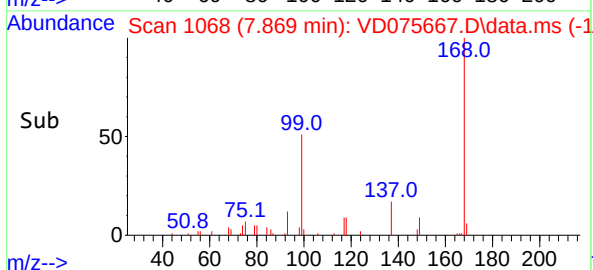
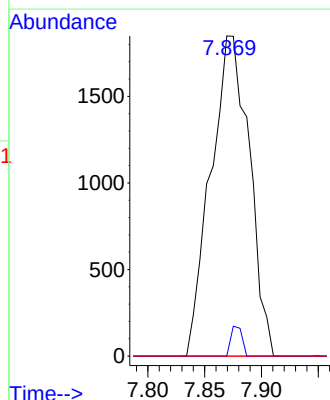
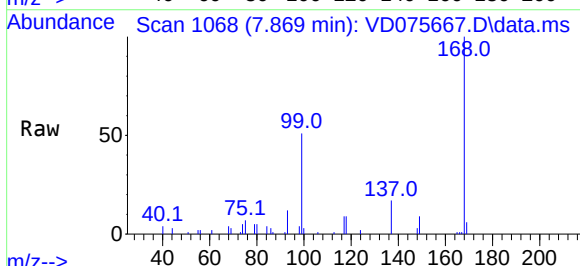
Tgt Ion: 117 Resp: 4372

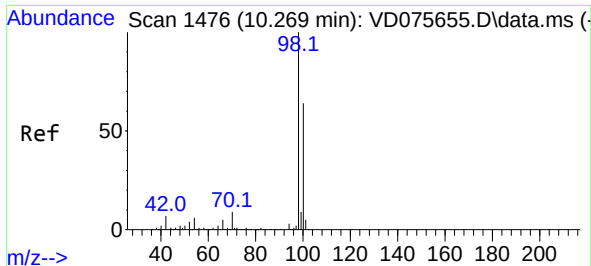
Ion Ratio Lower Upper

117 100

119 0.0 74.7 112.1#

121 0.0 25.9 38.9#

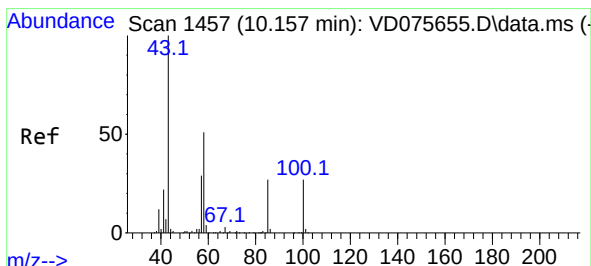
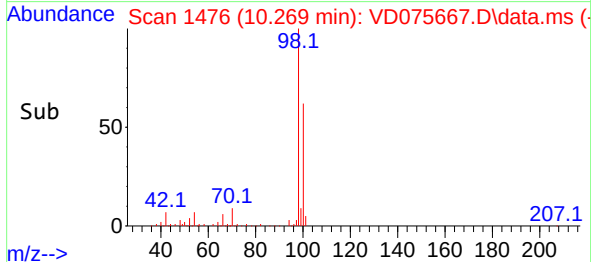
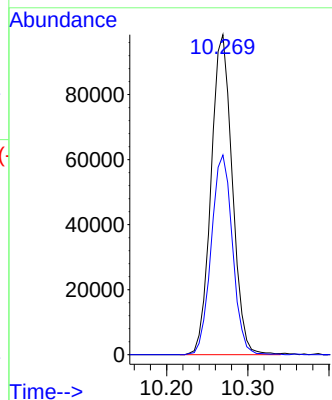
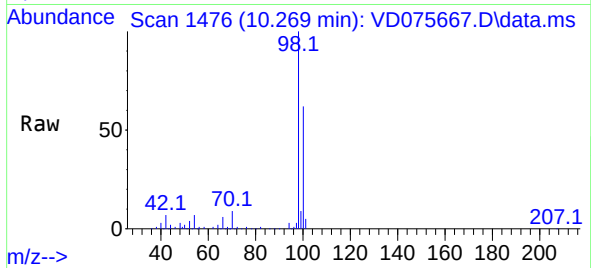




#50  
Toluene-d8  
Concen: 51.589 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

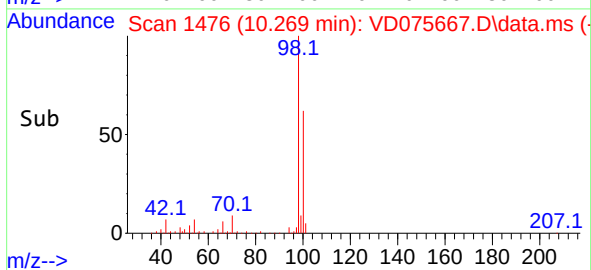
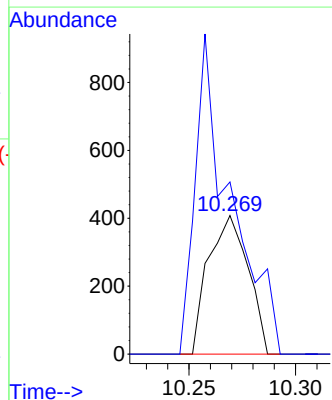
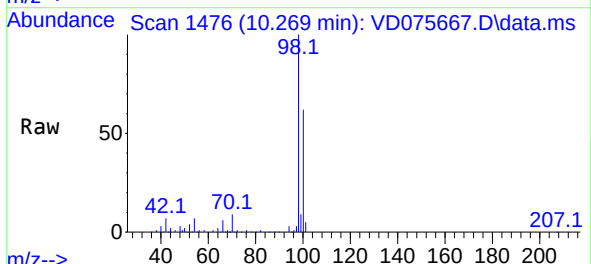
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-041223

Tgt Ion: 98 Resp: 178673  
Ion Ratio Lower Upper  
98 100  
100 62.5 52.1 78.1

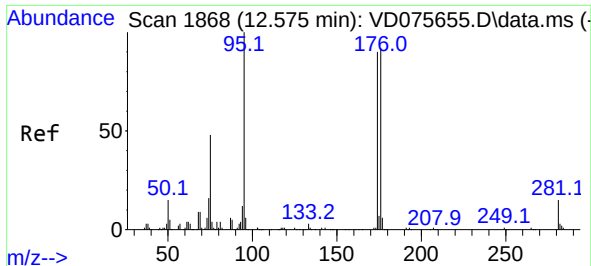


#51  
4-Methyl-2-Pentanone  
Concen: 1.498 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.112 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Tgt Ion: 43 Resp: 529  
Ion Ratio Lower Upper  
43 100  
58 206.6 29.5 44.3#



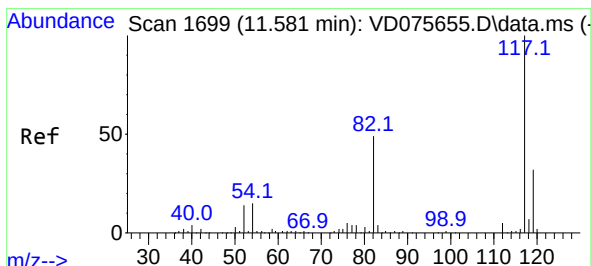
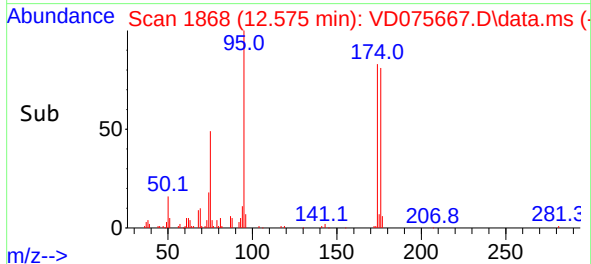
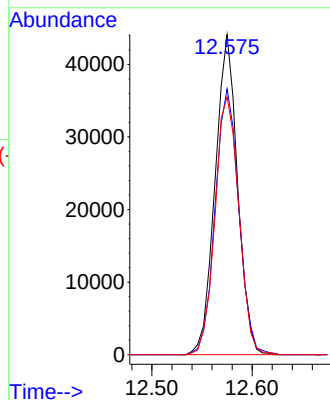
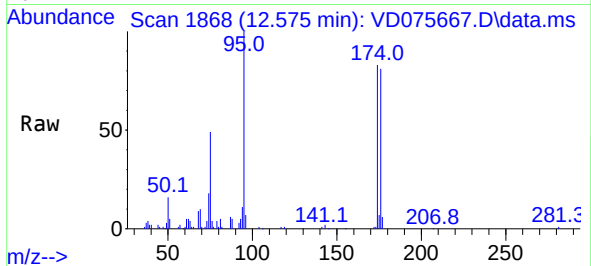




#62  
4-Bromofluorobenzene  
Concen: 74.358 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

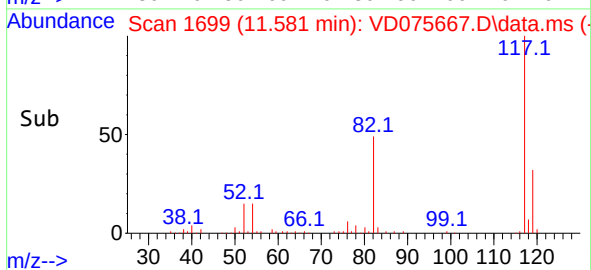
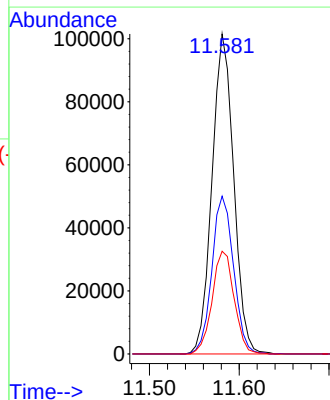
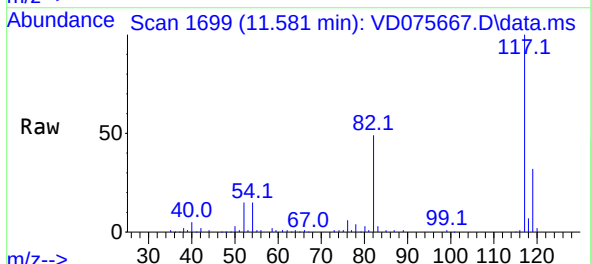
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MSVOA\_D  
ClientSampleId :  
PL-02-041223

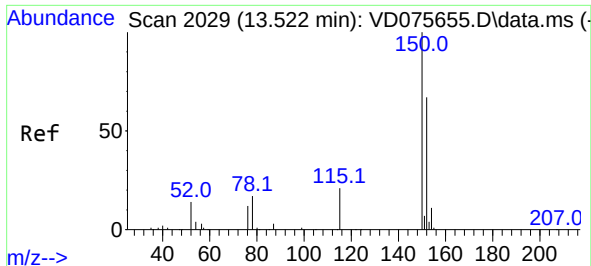
Tgt Ion: 95 Resp: 68451  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 164.0  
176 85.5 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

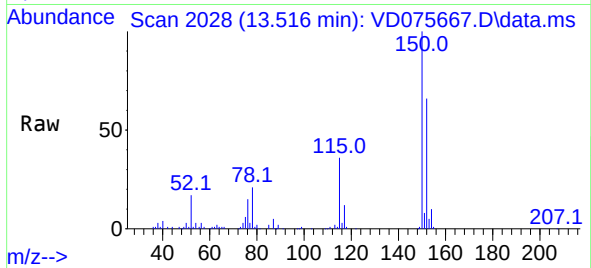
Tgt Ion: 117 Resp: 170264  
Ion Ratio Lower Upper  
117 100  
82 49.3 44.0 66.0  
119 32.1 25.1 37.7



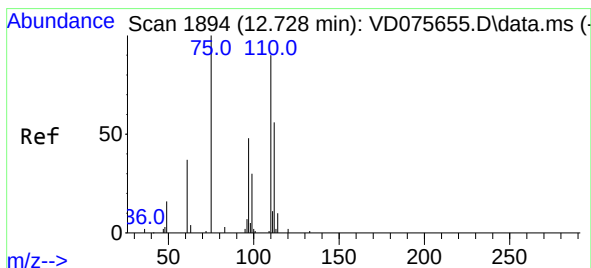
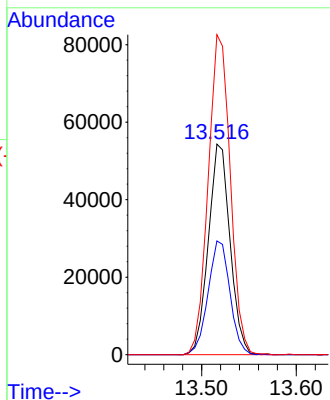
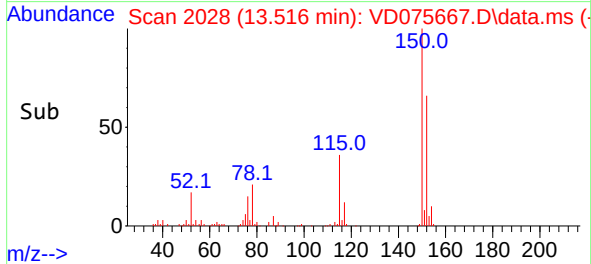


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-041223

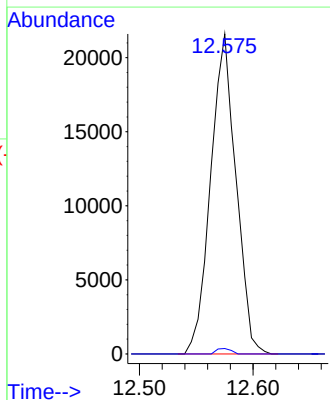
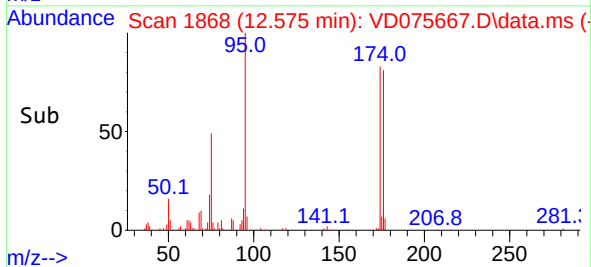
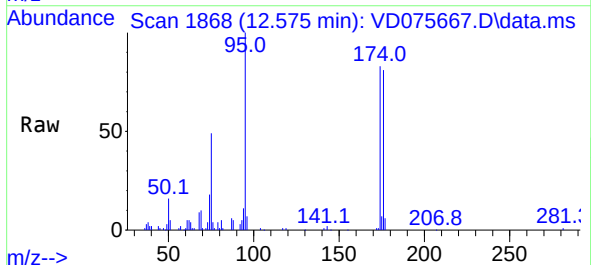


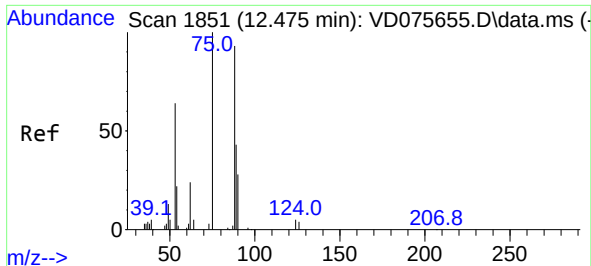
Tgt Ion:152 Resp: 86541  
Ion Ratio Lower Upper  
152 100  
115 54.6 30.1 90.3  
150 155.0 0.0 364.8



#76  
1,2,3-Trichloropropane  
Concen: 47.422 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

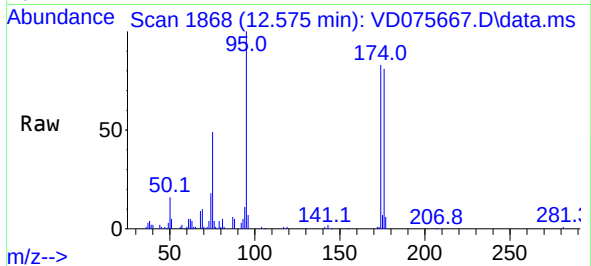
Tgt Ion: 75 Resp: 33467  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 102.782 ug/l  
 RT: 12.575 min Scan# 11  
 Delta R.T. 0.100 min  
 Lab File: VD075667.D  
 Acq: 13 Apr 2023 18:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PL-02-041223



Tgt Ion: 75 Resp: 33467  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 40.2 60.4#

