

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022222\  
 Data File : VD072048.D  
 Acq On : 22 Feb 2022 10:53  
 Operator : VA/SY  
 Sample : VD0222SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 23 05:28:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 19 04:05:38 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 437874   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 750566   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 676799   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 305860   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 254622   | 56.059   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.120% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 241353   | 53.074   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.140% |
| 50) Toluene-d8              | 10.338 | 98    | 901604   | 53.464   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 106.920% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 297225   | 47.982   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.960%  |

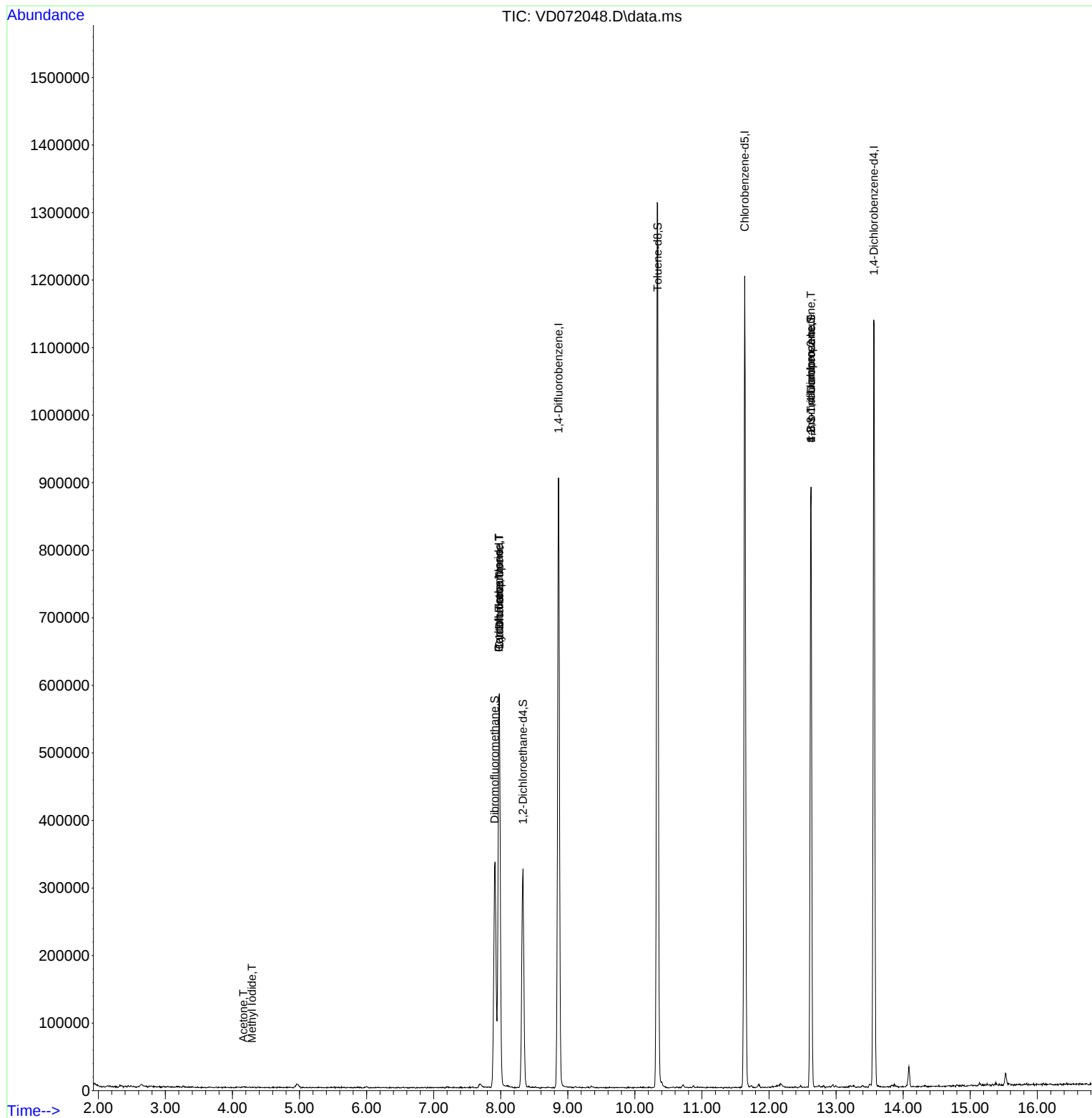
| Target Compounds              |        |     |        |           | Qvalue |     |
|-------------------------------|--------|-----|--------|-----------|--------|-----|
| 5) Bromomethane               | 2.779  | 94  | 1214   | Below Cal | #      | 77  |
| 10) Methyl Iodide             | 4.291  | 142 | 519    | 3.022     | ug/l # | 91  |
| 16) Acetone                   | 4.162  | 43  | 2564   | 2.612     | ug/l # | 45  |
| 18) Methyl Acetate            | 4.803  | 43  | 82     | Below Cal | #      | 52  |
| 31) Cyclohexane               | 7.979  | 56  | 10431  | 1.300     | ug/l # | 24  |
| 36) 1,1-Dichloropropene       | 7.979  | 75  | 34059  | 4.944     | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.973  | 117 | 45458  | 6.439     | ug/l # | 16  |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75  | 151917 | 52.436    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75  | 151917 | 131.312   | ug/l # | 10  |

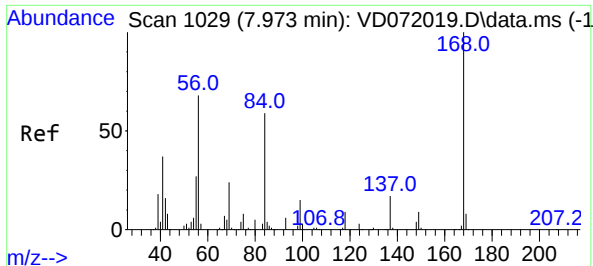
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022222\  
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Sample : VD0222SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Feb 23 05:28:47 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 19 04:05:38 2022  
Response via : Initial Calibration

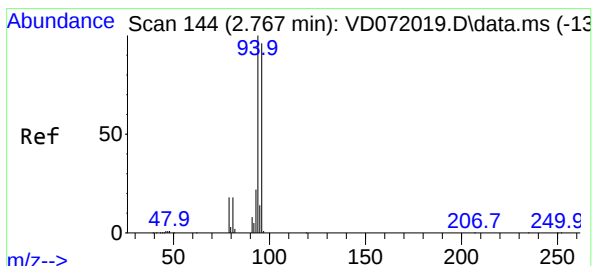
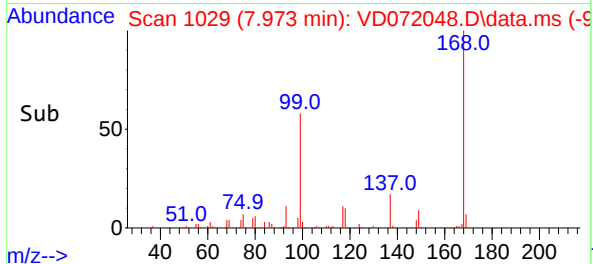
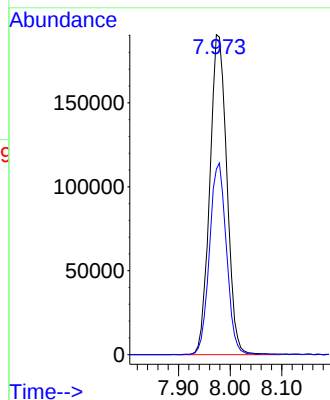
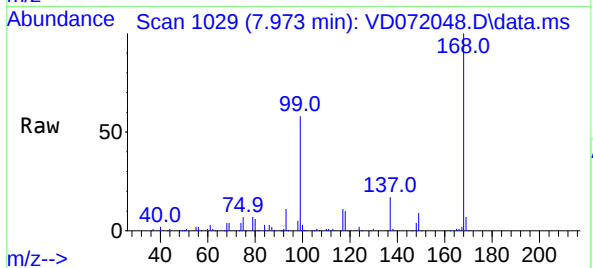




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

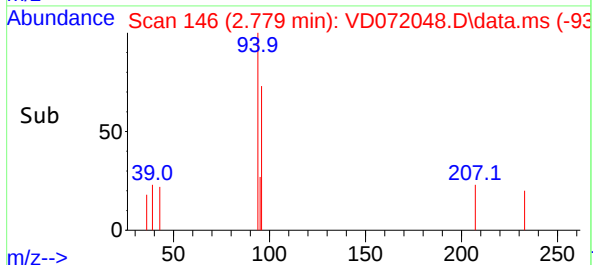
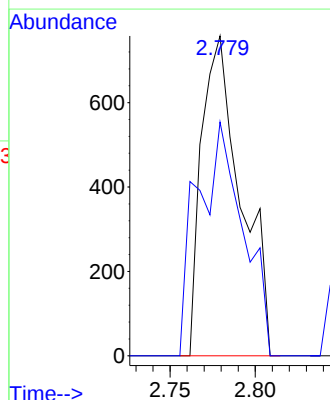
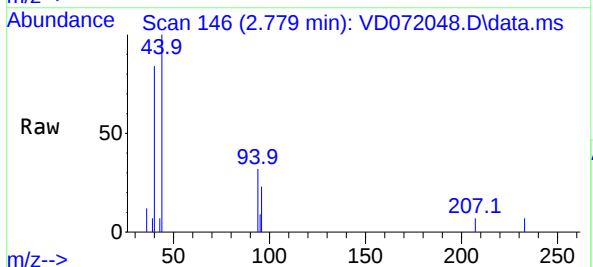
Instrument :  
MSVOA\_D  
ClientSampleId :

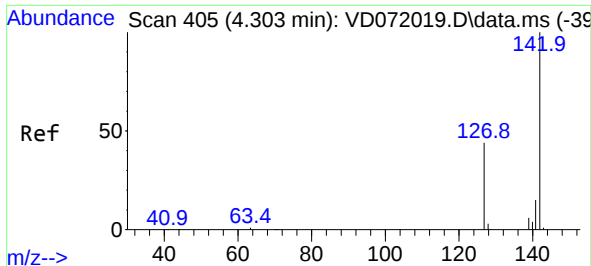
Tgt Ion:168 Resp: 437874  
Ion Ratio Lower Upper  
168 100  
99 57.9 47.1 70.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.779 min Scan# 146  
Delta R.T. 0.012 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

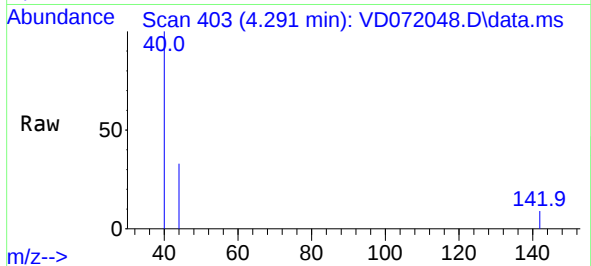
Tgt Ion: 94 Resp: 1214  
Ion Ratio Lower Upper  
94 100  
96 73.1 76.8 115.2#



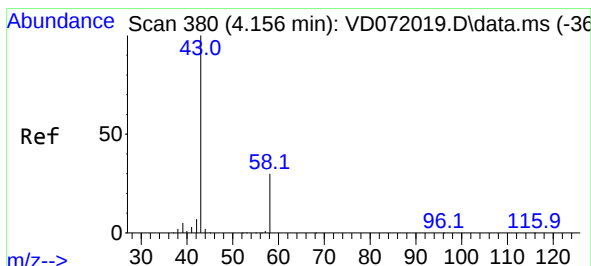
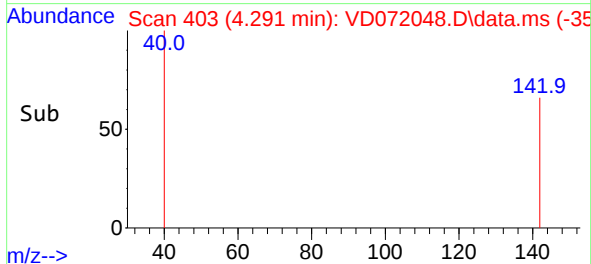
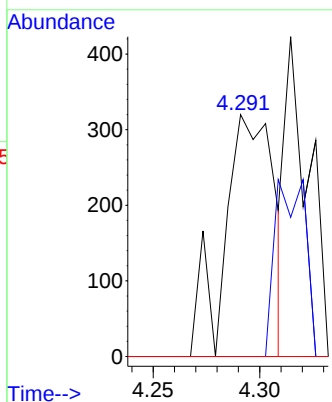


#10  
Methyl Iodide  
Concen: 3.022 ug/l  
RT: 4.291 min Scan# 40  
Delta R.T. -0.012 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

Instrument :  
MSVOA\_D  
ClientSampleId :

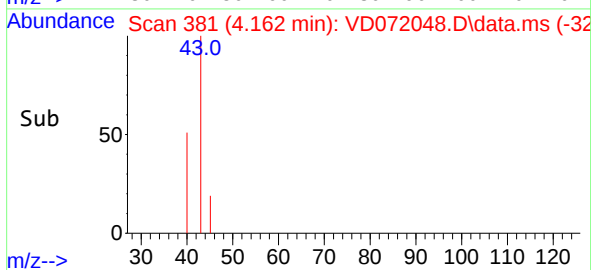
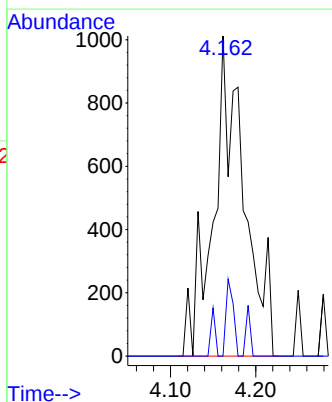
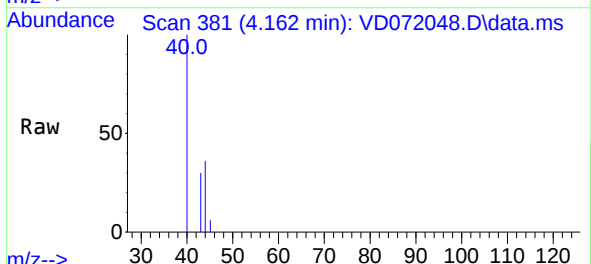


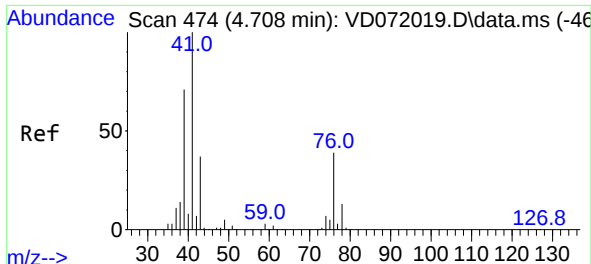
Tgt Ion:142 Resp: 519  
Ion Ratio Lower Upper  
142 100  
127 44.3 35.8 53.8  
141 0.0 11.6 17.4#



#16  
Acetone  
Concen: 2.612 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

Tgt Ion: 43 Resp: 2564  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.803 min Scan# 490

Delta R.T. 0.095 min

Lab File: VD072048.D

Acq: 22 Feb 2022 10:53

Instrument :

MSVOA\_D

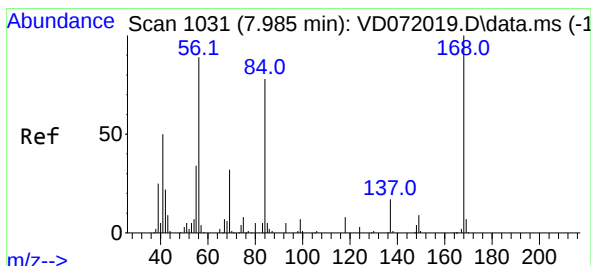
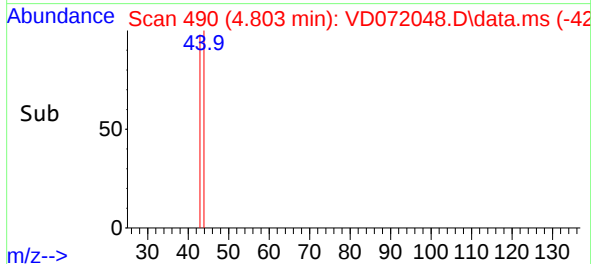
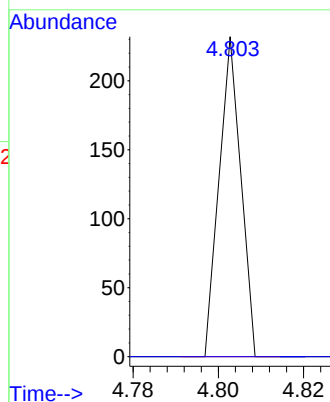
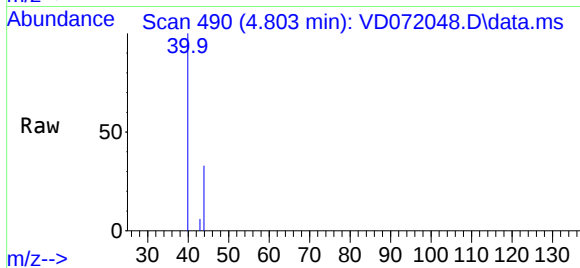
ClientSampleId :

Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072048.D

Acq: 22 Feb 2022 10:53

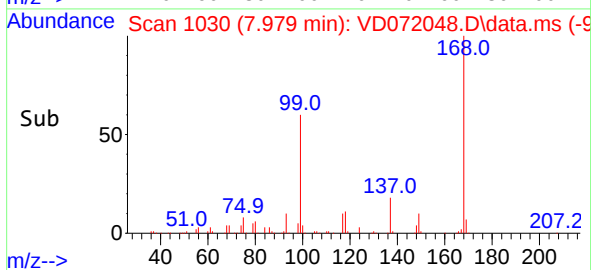
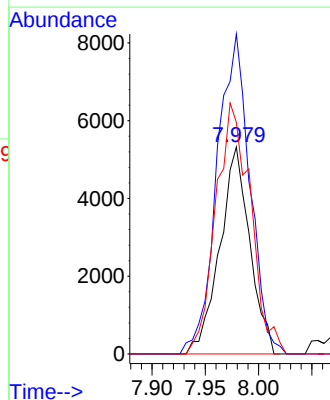
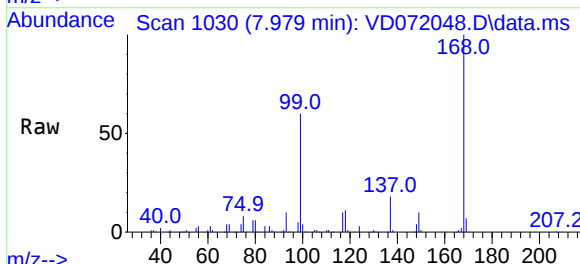
Tgt Ion: 56 Resp: 10431

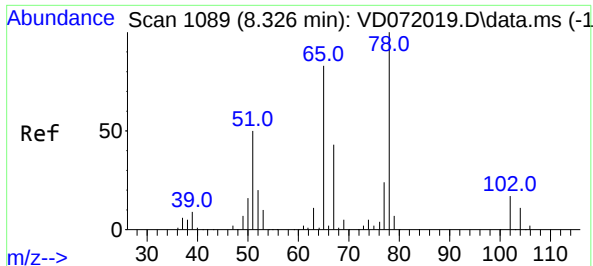
Ion Ratio Lower Upper

56 100

69 154.6 28.9 43.3#

84 111.9 70.6 105.8#

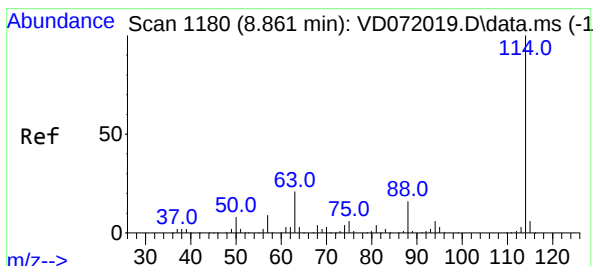
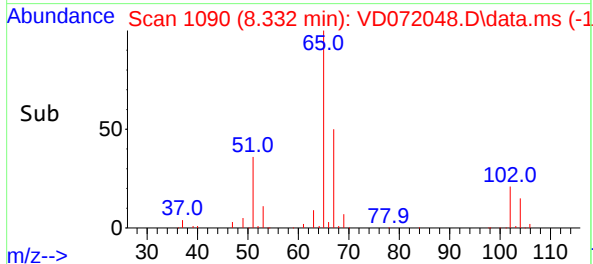
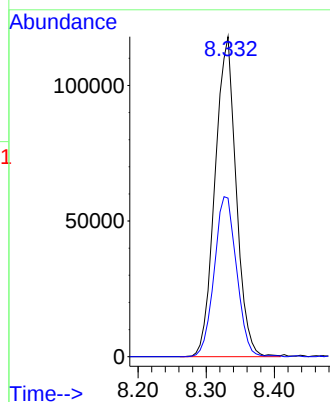
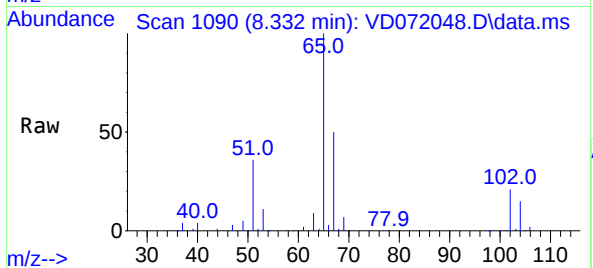




#33  
1,2-Dichloroethane-d4  
Concen: 56.059 ug/l  
RT: 8.332 min Scan# 1089  
Delta R.T. 0.006 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

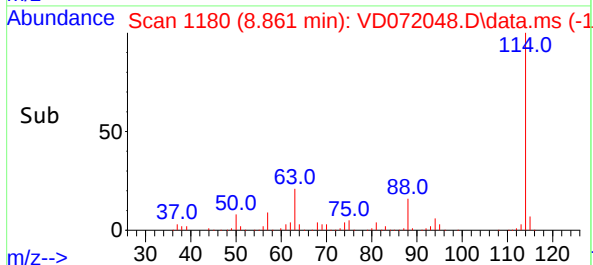
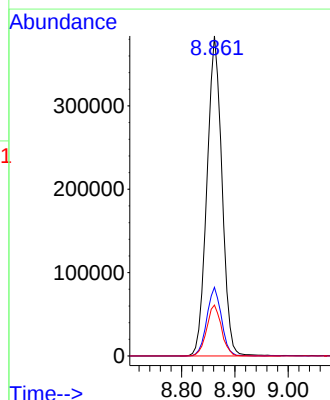
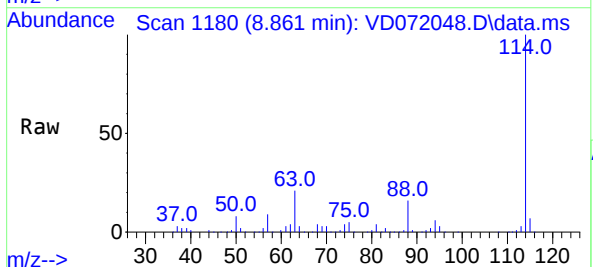
Instrument :  
MSVOA\_D  
ClientSampleId :

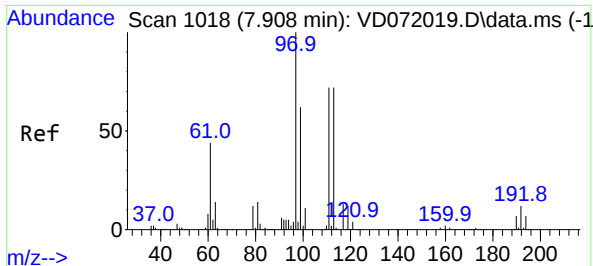
Tgt Ion: 65 Resp: 254622  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 105.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

Tgt Ion: 114 Resp: 750566  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 42.2  
88 15.9 0.0 31.2

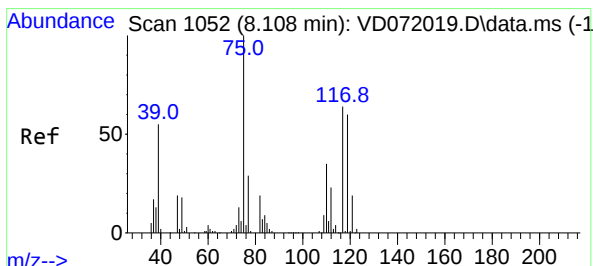
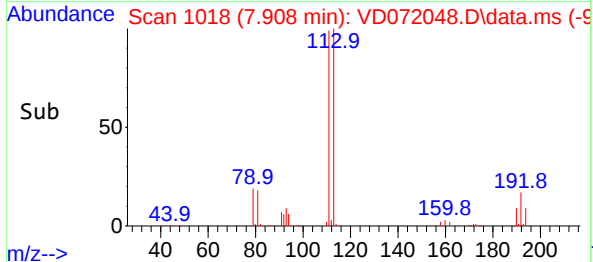
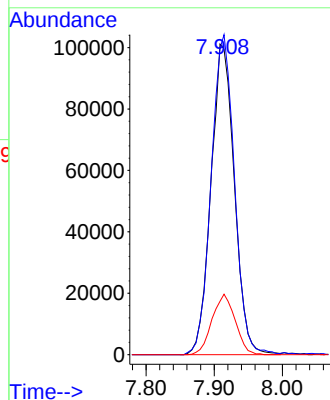
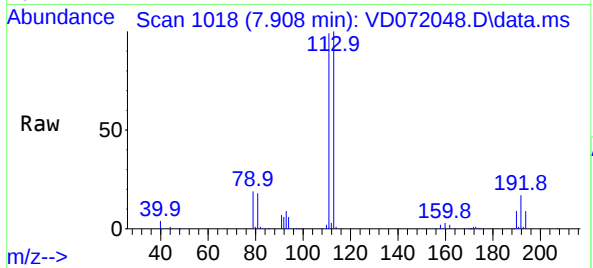




#35  
Dibromofluoromethane  
Concen: 53.074 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

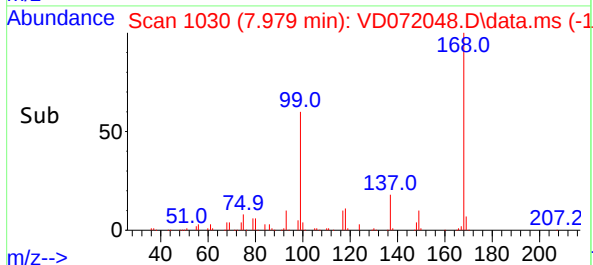
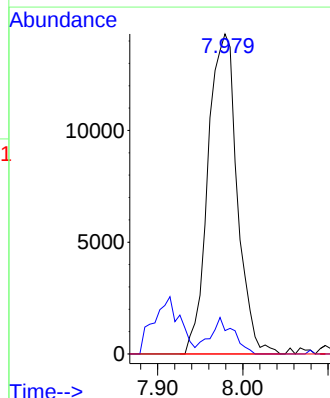
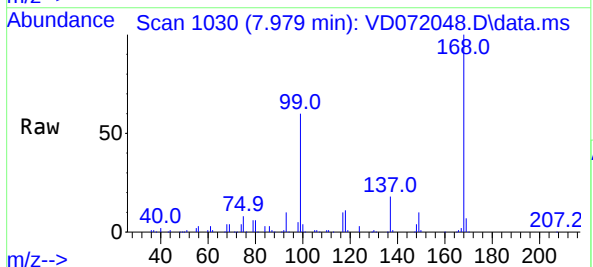
Instrument :  
MSVOA\_D  
ClientSampleId :

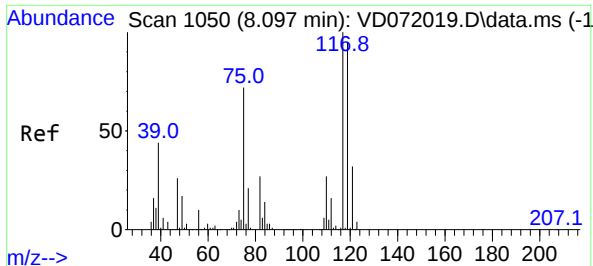
Tgt Ion:113 Resp: 241353  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.0 124.4  
192 19.3 15.3 22.9



#36  
1,1-Dichloropropene  
Concen: 4.944 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.129 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

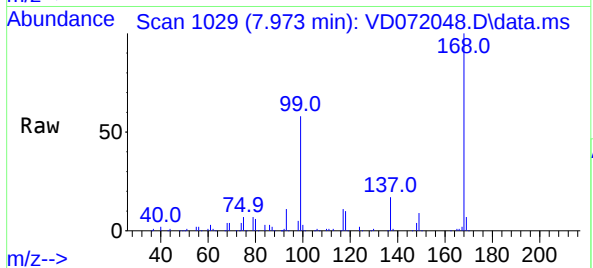
Tgt Ion: 75 Resp: 34059  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.7 53.1#  
77 0.0 24.8 37.2#



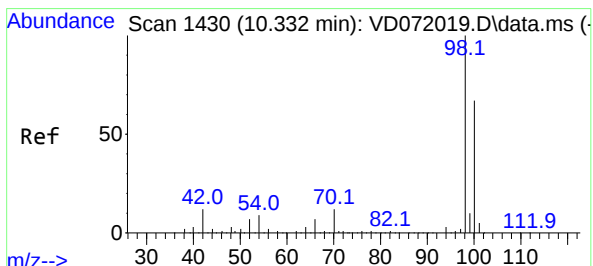
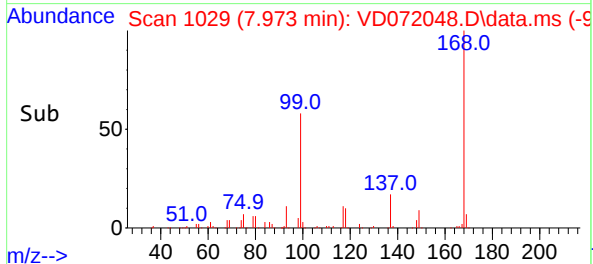
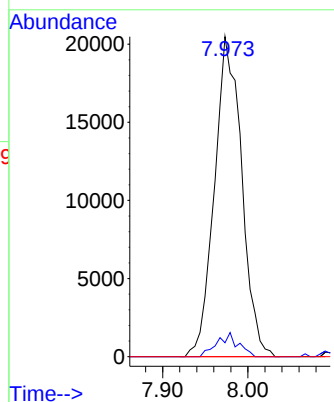


#38  
Carbon Tetrachloride  
Concen: 6.439 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.123 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

Instrument :  
MSVOA\_D  
ClientSampleId :

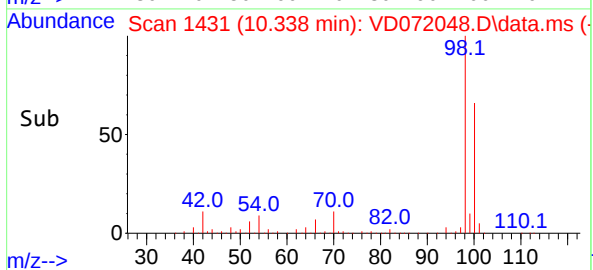
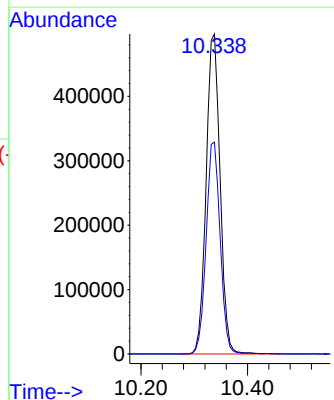
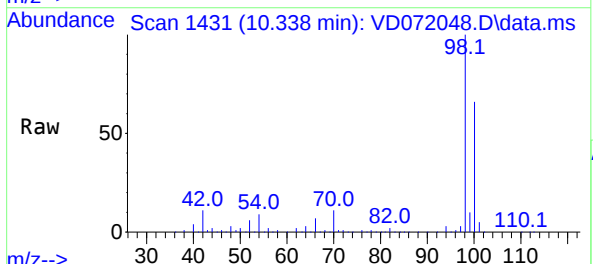


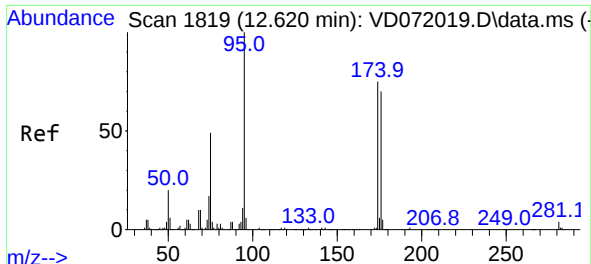
Tgt Ion:117 Resp: 45458  
Ion Ratio Lower Upper  
117 100  
119 4.4 75.8 113.8#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 53.464 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

Tgt Ion: 98 Resp: 901604  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.8 80.6



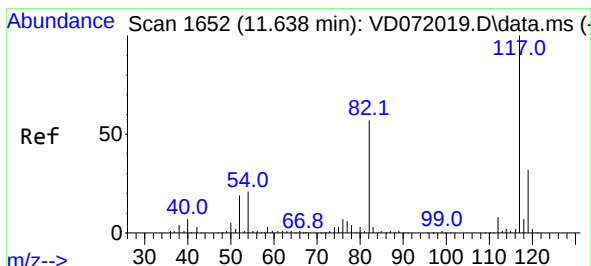
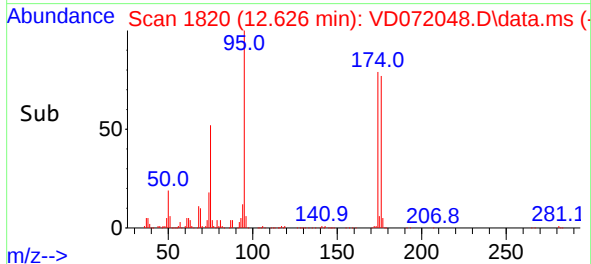
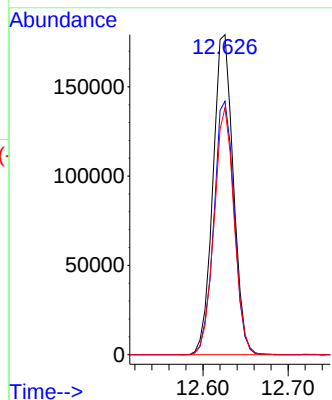
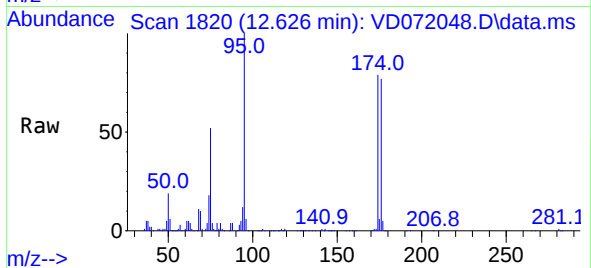


#62  
 4-Bromofluorobenzene  
 Concen: 47.982 ug/l  
 RT: 12.626 min Scan# 1819  
 Delta R.T. 0.006 min  
 Lab File: VD072048.D  
 Acq: 22 Feb 2022 10:53

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion: 95 Resp: 297225

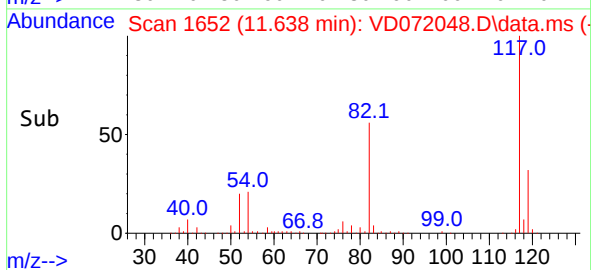
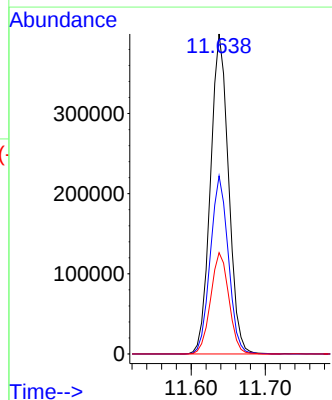
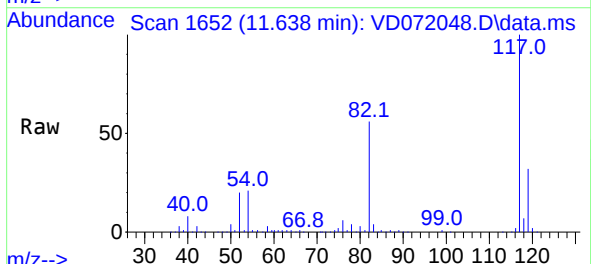
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 79.3  | 0.0   | 155.0 |
| 176 | 76.0  | 0.0   | 148.8 |

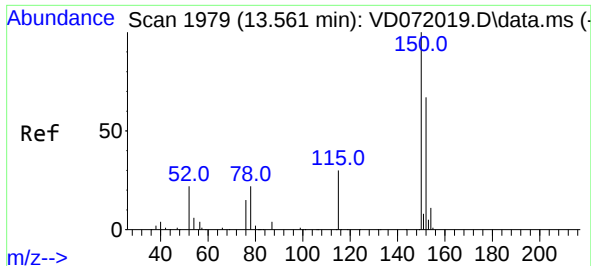


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.638 min Scan# 1652  
 Delta R.T. 0.000 min  
 Lab File: VD072048.D  
 Acq: 22 Feb 2022 10:53

Tgt Ion: 117 Resp: 676799

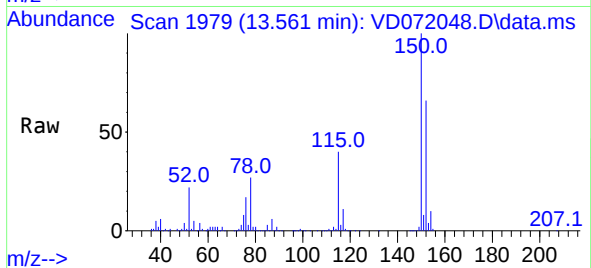
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 55.6  | 45.4  | 68.0  |
| 119 | 31.6  | 25.4  | 38.2  |



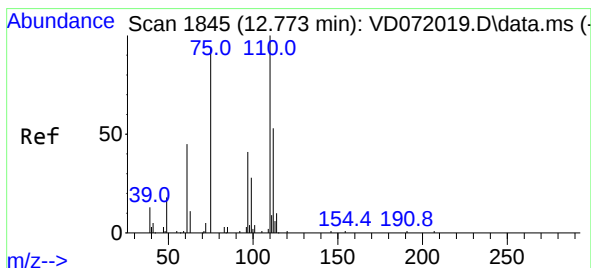
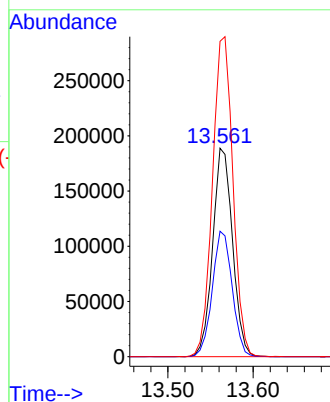
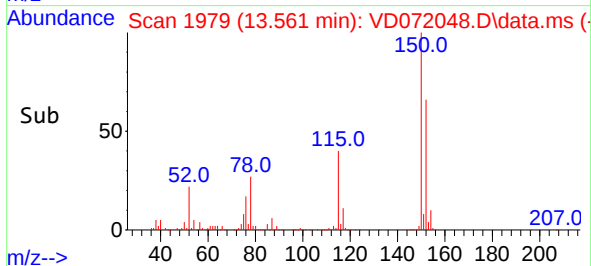


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

Instrument :  
MSVOA\_D  
ClientSampleId :

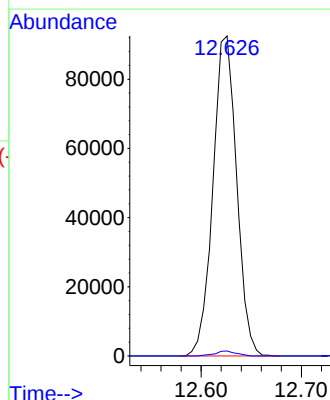
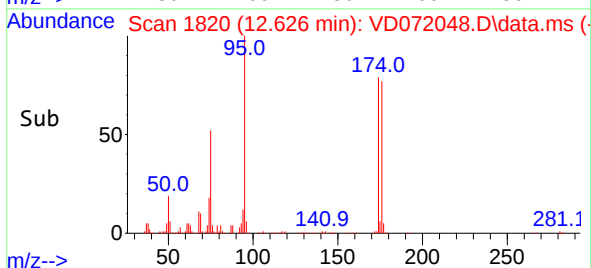
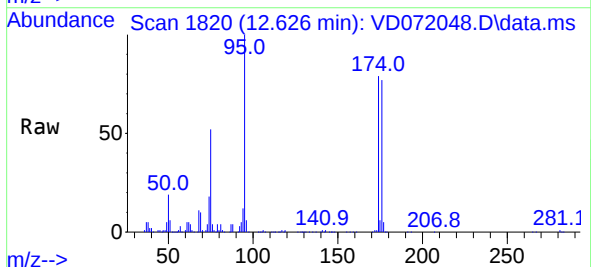


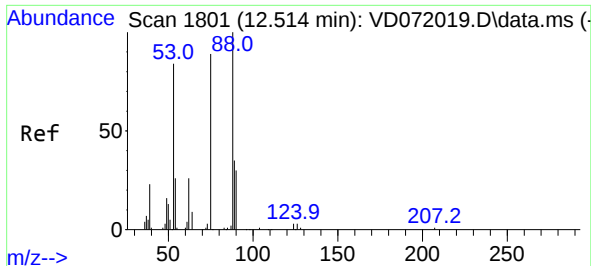
Tgt Ion:152 Resp: 305860  
Ion Ratio Lower Upper  
152 100  
115 60.2 29.9 89.7  
150 157.7 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 52.436 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD072048.D  
Acq: 22 Feb 2022 10:53

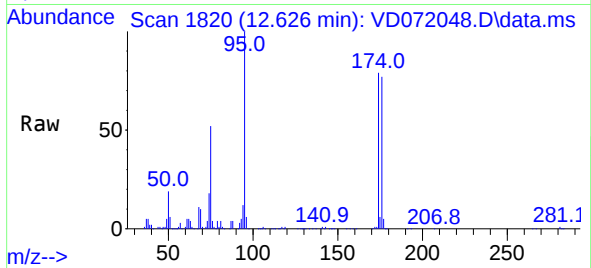
Tgt Ion: 75 Resp: 151917  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 131.312 ug/l  
 RT: 12.626 min Scan# 11  
 Delta R.T. 0.112 min  
 Lab File: VD072048.D  
 Acq: 22 Feb 2022 10:53

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 75 Resp: 151917  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 80.2 120.4#  
 89 0.0 36.4 54.6#

