

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061322\  
 Data File : VD073543.D  
 Acq On : 13 Jun 2022 13:45  
 Operator : VA/SY  
 Sample : N3282-01  
 Misc : 4.72G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 125

Quant Time: Jun 13 15:33:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 2022  
 Response via : Initial Calibration

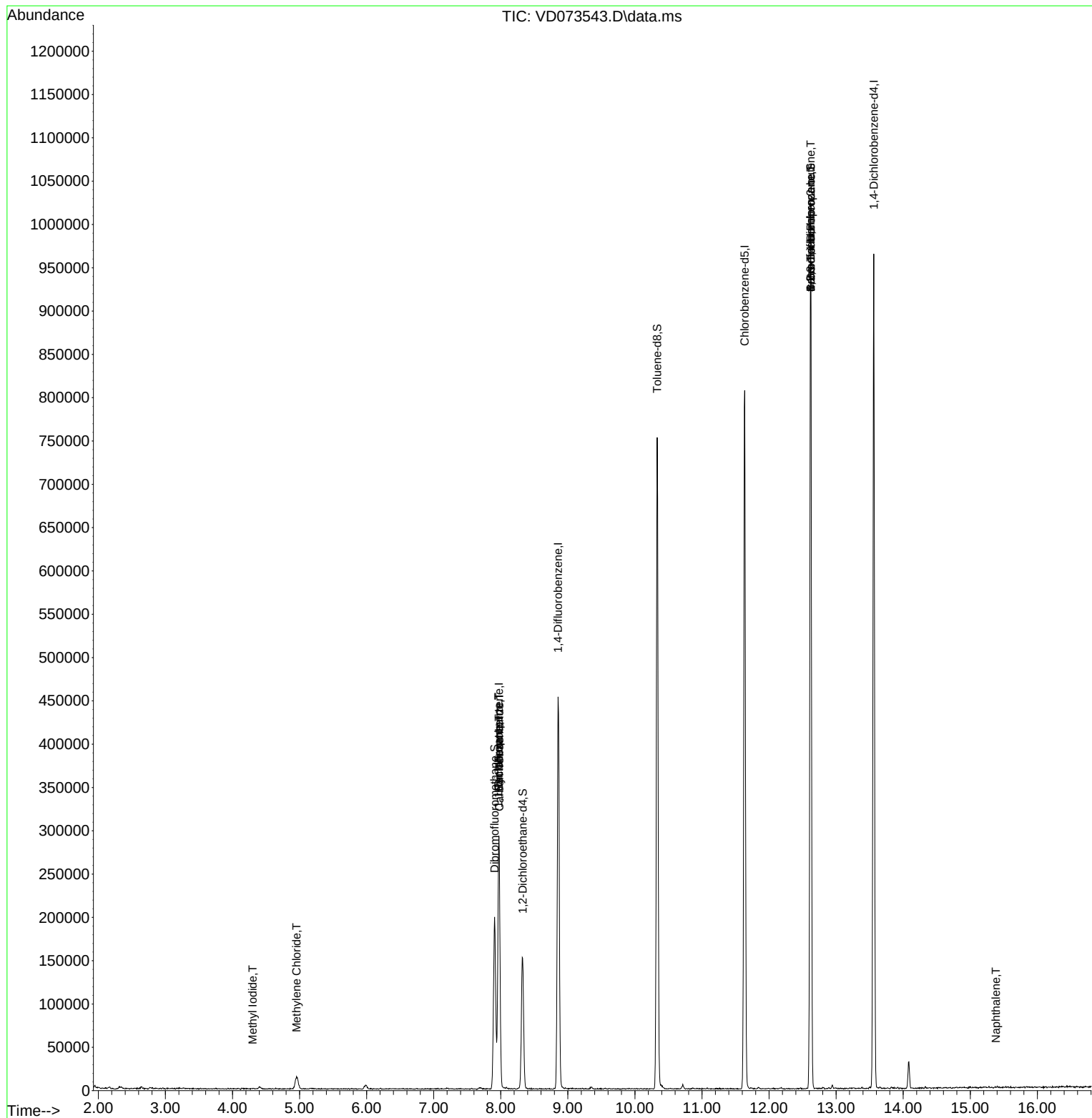
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 210804   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855  | 114   | 404306   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 474012   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 251591   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 127761   | 56.476    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 112.960% |          |
| 35) Dibromofluoromethane      | 7.908  | 113   | 138398   | 53.233    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 106.460% |          |
| 50) Toluene-d8                | 10.332 | 98    | 509807   | 51.864    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 103.720% |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 245637   | 68.836    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 137.680% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.303  | 142   | 357      | 4.299     | ug/l #     | 60       |
| 11) Tert butyl alcohol        | 5.191  | 59    | 179      | Below Cal | #          | 74       |
| 20) Methylene Chloride        | 4.956  | 84    | 11839    | 1.580     | ug/l #     | 83       |
| 31) Cyclohexane               | 7.973  | 56    | 5804     | 1.523     | ug/l #     | 19       |
| 36) 1,1-Dichloropropene       | 7.967  | 75    | 17249    | 4.417     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 22979    | 5.625     | ug/l #     | 18       |
| 71) Bromoform                 | 12.620 | 173   | 2179     | 1.077     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 127174   | 52.033    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 127174   | 122.130   | ug/l #     | 7        |
| 95) Naphthalene               | 15.384 | 128   | 496      | 4.254     | ug/l #     | 85       |
| -----                         |        |       |          |           |            |          |

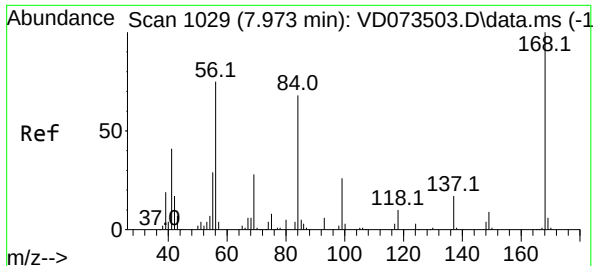
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061322\  
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Sample : N3282-01  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
125

Quant Time: Jun 13 15:33:13 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 09 12:33:32 2022  
Response via : Initial Calibration

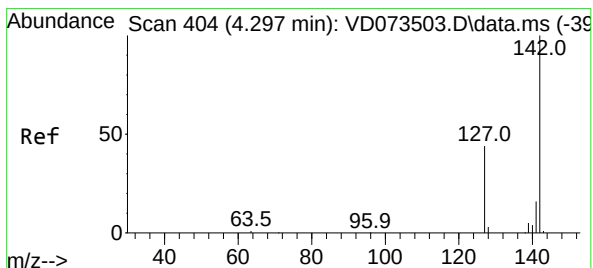
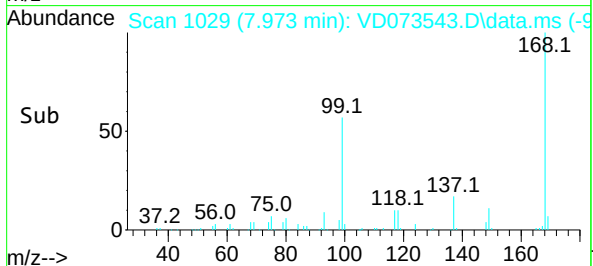
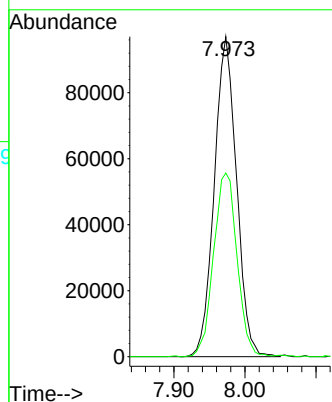
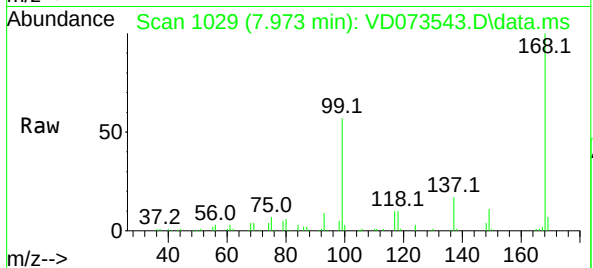




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

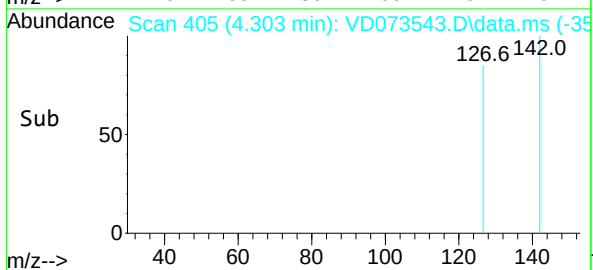
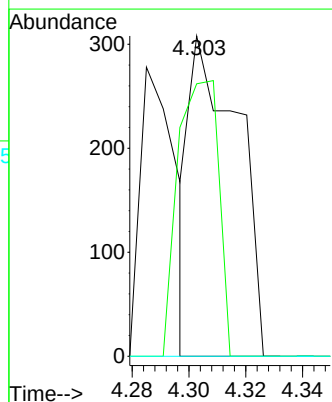
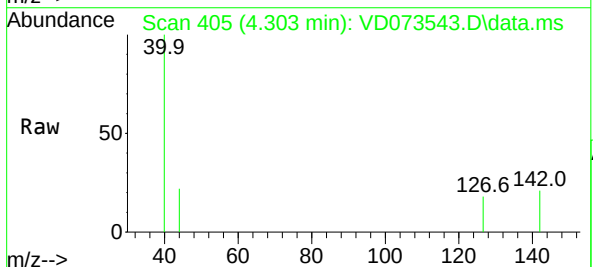
Instrument :  
MSVOA\_D  
ClientSampleId :  
125

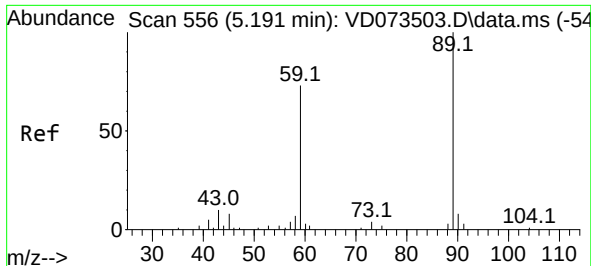
Tgt Ion:168 Resp: 210804  
Ion Ratio Lower Upper  
168 100  
99 57.4 49.8 74.6



#10  
Methyl Iodide  
Concen: 4.299 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

Tgt Ion:142 Resp: 357  
Ion Ratio Lower Upper  
142 100  
127 73.9 37.3 55.9#  
141 0.0 11.7 17.5#

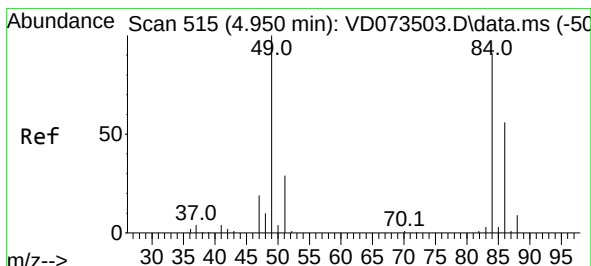
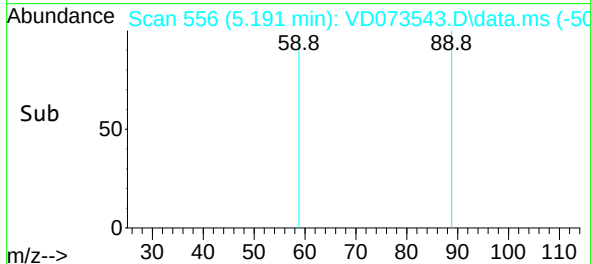
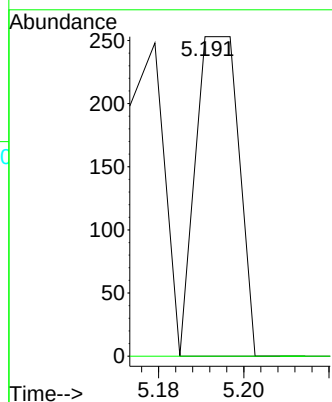
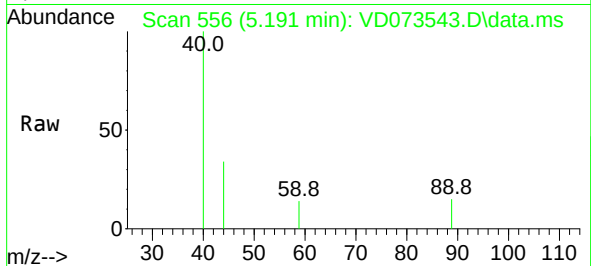




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.191 min Scan# 515  
Delta R.T. -0.000 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

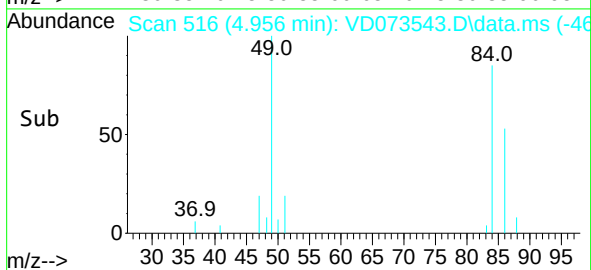
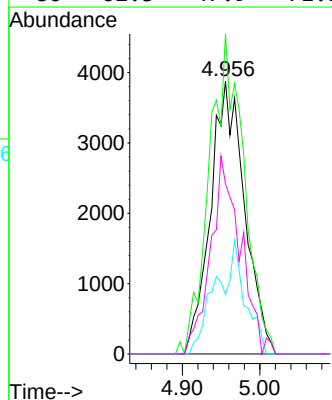
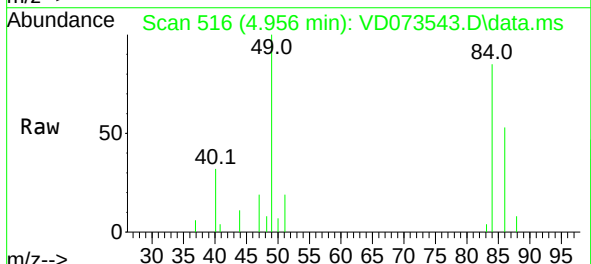
Instrument :  
MSVOA\_D  
ClientSampleId :  
125

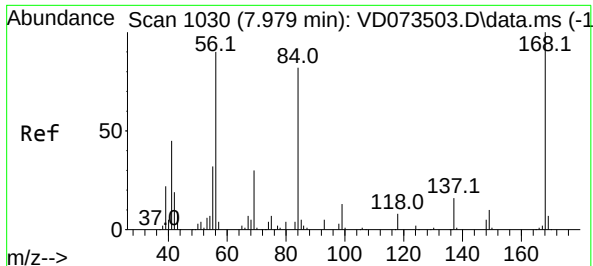
Tgt Ion: 59 Resp: 179  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#20  
Methylene Chloride  
Concen: 1.580 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

Tgt Ion: 84 Resp: 11839  
Ion Ratio Lower Upper  
84 100  
49 117.3 112.8 169.2  
51 21.8 32.6 48.8#  
86 62.3 47.9 71.9





#31

Cyclohexane

Concen: 1.523 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073543.D

Acq: 13 Jun 2022 13:45

Instrument :

MSVOA\_D

ClientSampleId :

125

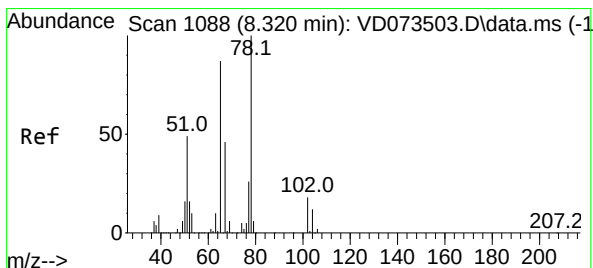
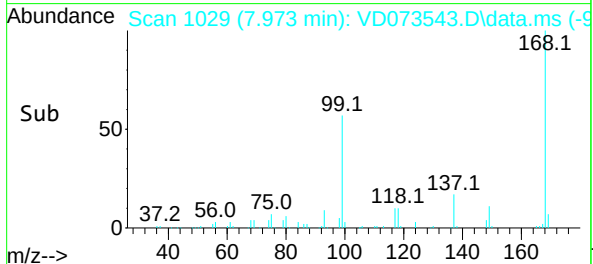
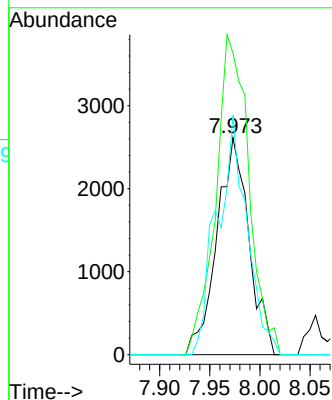
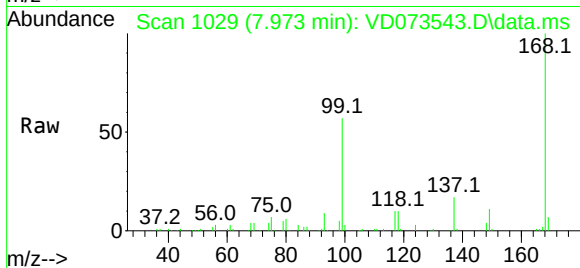
Tgt Ion: 56 Resp: 5804

Ion Ratio Lower Upper

56 100

69 139.0 25.4 38.2#

84 110.2 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 56.476 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD073543.D

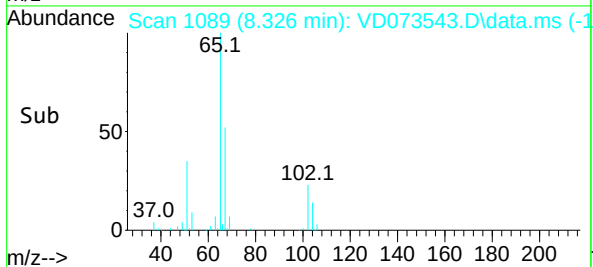
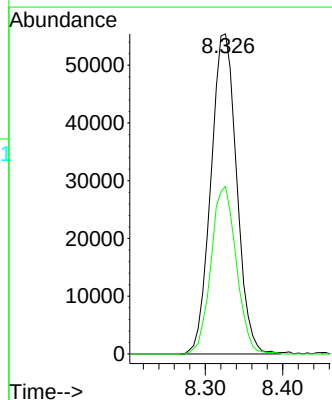
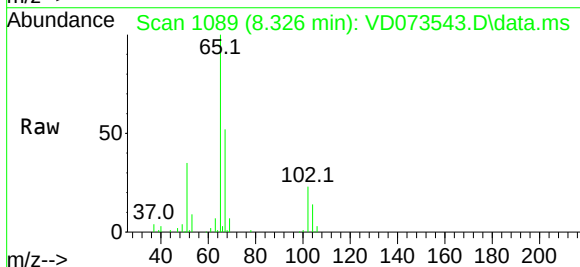
Acq: 13 Jun 2022 13:45

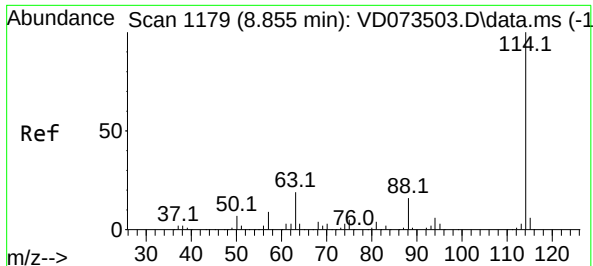
Tgt Ion: 65 Resp: 127761

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.4

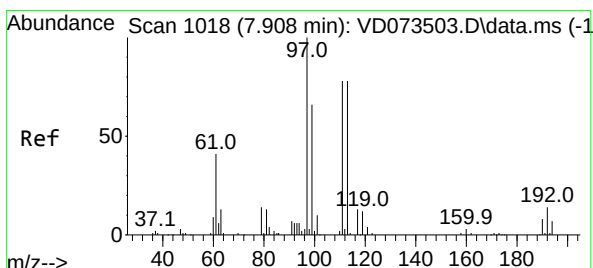
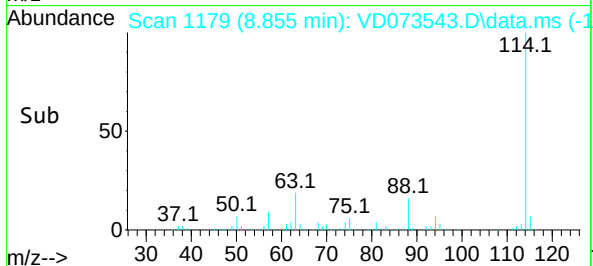
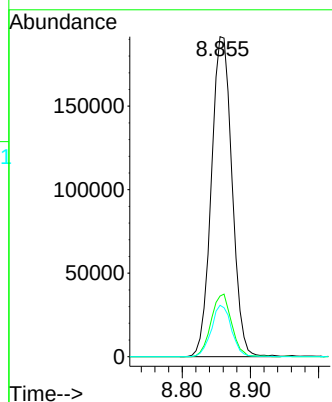
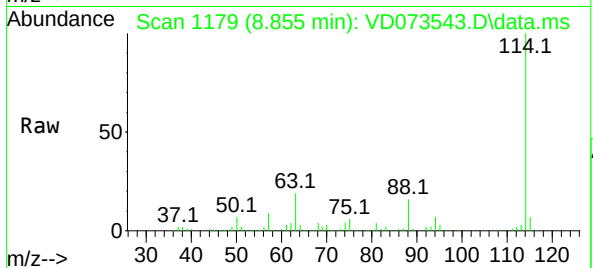




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

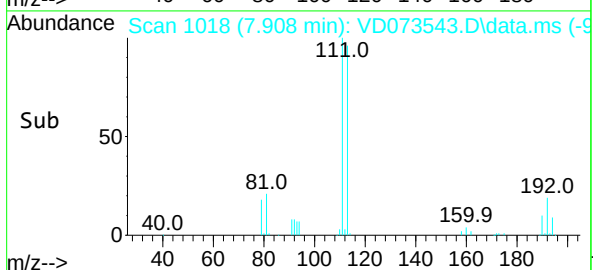
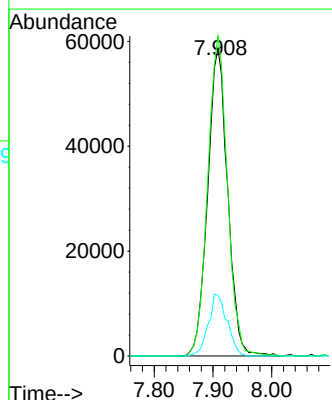
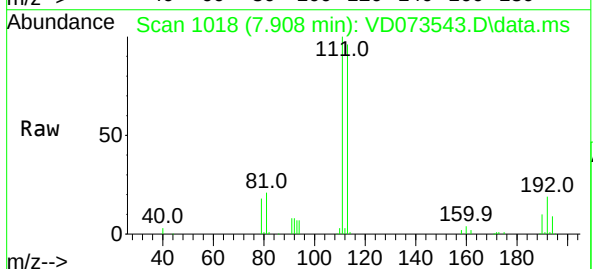
Instrument :  
MSVOA\_D  
ClientSampleId :  
125

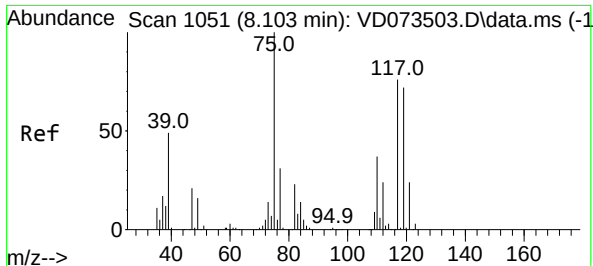
Tgt Ion:114 Resp: 404306  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 46.6  
88 16.0 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 53.233 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

Tgt Ion:113 Resp: 138398  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.8 125.6  
192 18.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.417 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073543.D

Acq: 13 Jun 2022 13:45

Instrument :

MSVOA\_D

ClientSampleId :

125

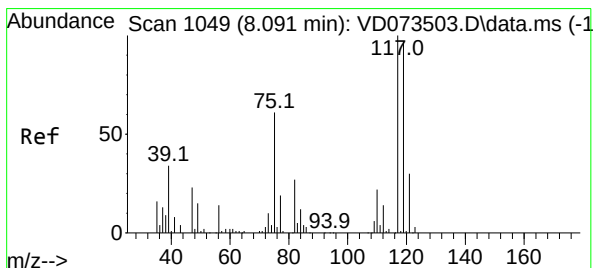
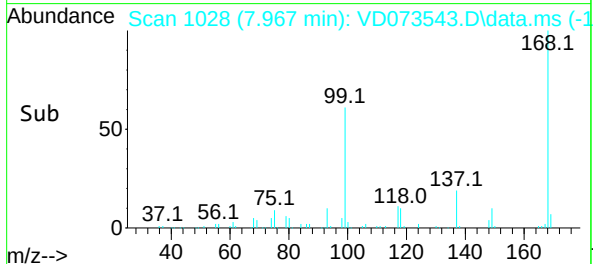
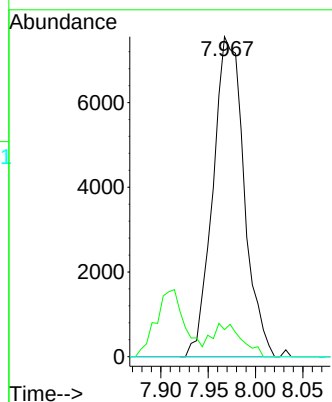
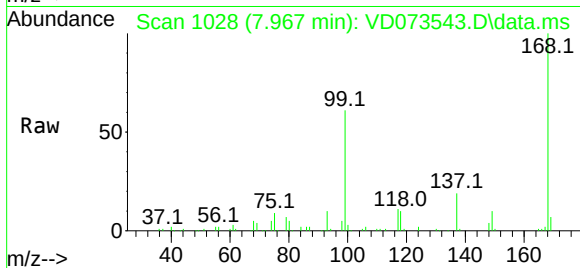
Tgt Ion: 75 Resp: 17249

Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.625 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD073543.D

Acq: 13 Jun 2022 13:45

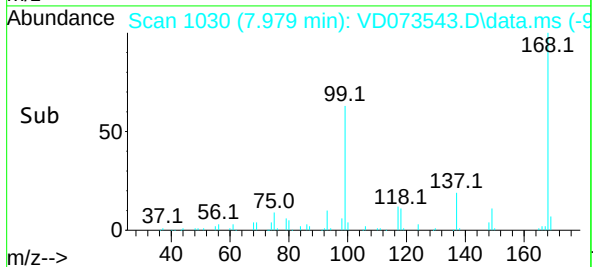
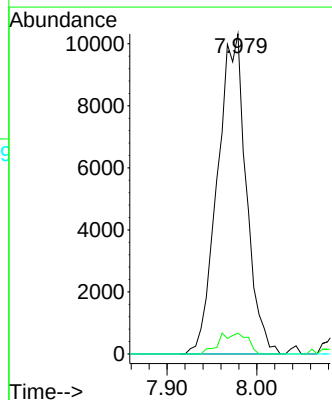
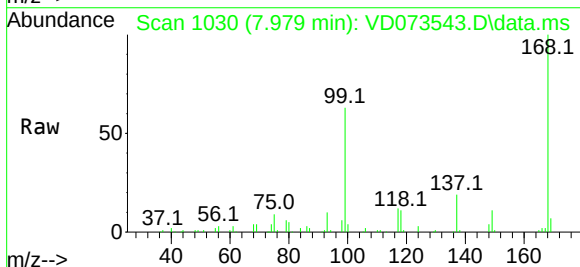
Tgt Ion: 117 Resp: 22979

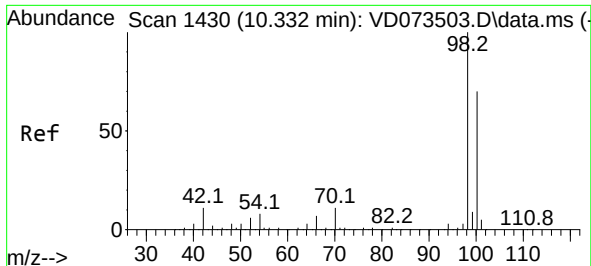
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

121 0.0 24.5 36.7#

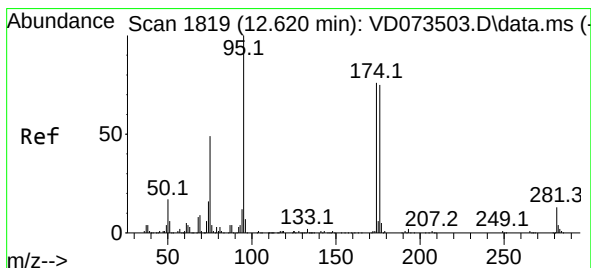
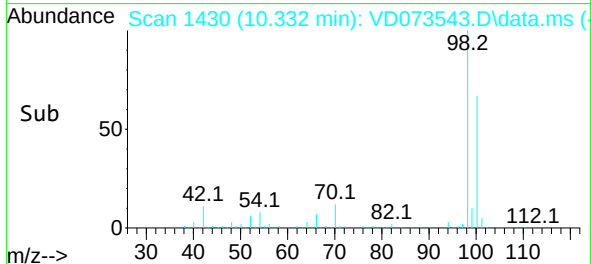
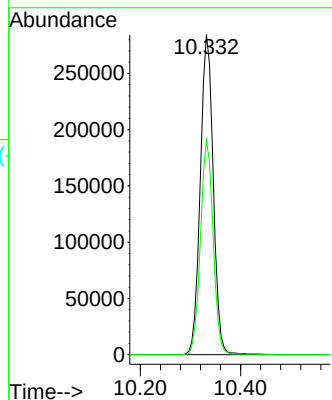
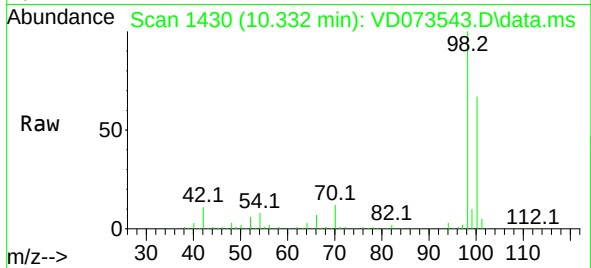




#50  
Toluene-d8  
Concen: 51.864 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

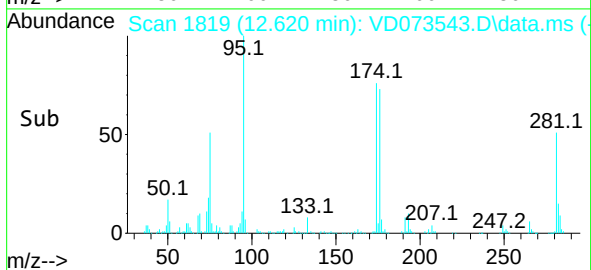
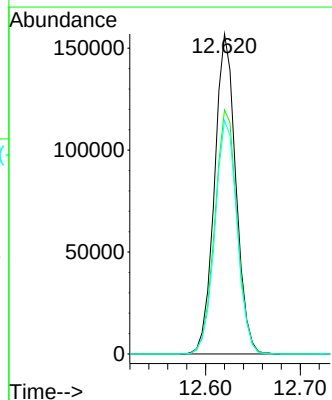
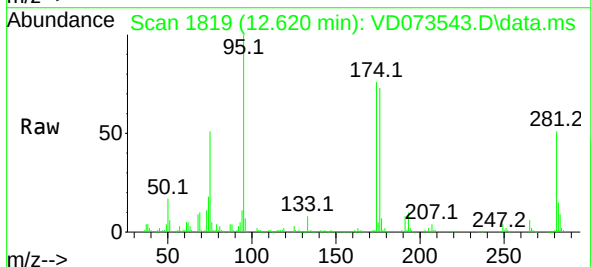
Instrument :  
MSVOA\_D  
ClientSampleId :  
125

Tgt Ion: 98 Resp: 509807  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.4 78.6

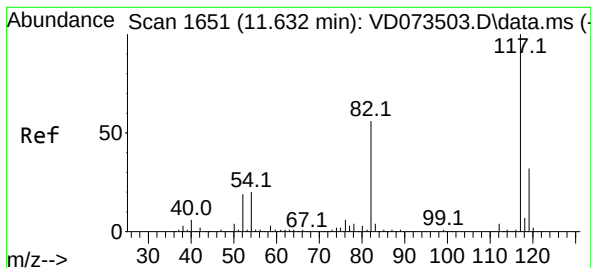


#62  
4-Bromofluorobenzene  
Concen: 68.836 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

Tgt Ion: 95 Resp: 245637  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 152.8  
176 75.7 0.0 145.4



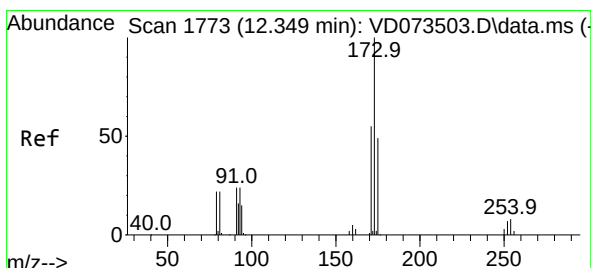
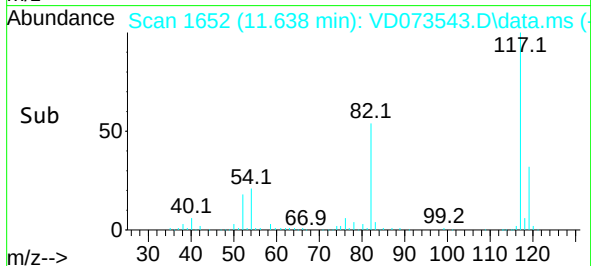
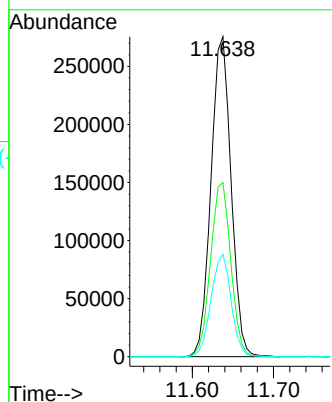
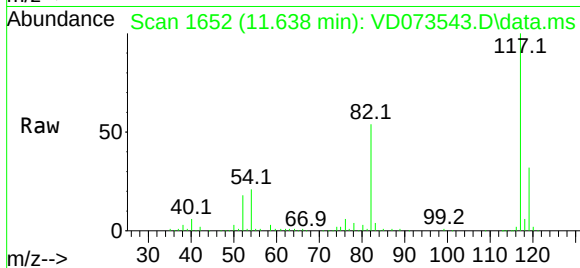




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1125  
Delta R.T. 0.006 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

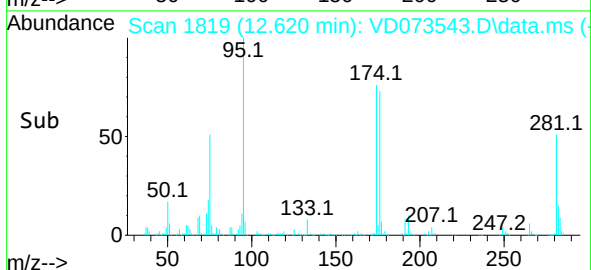
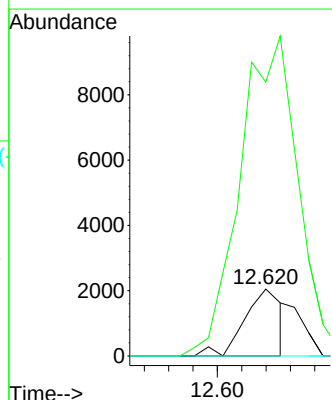
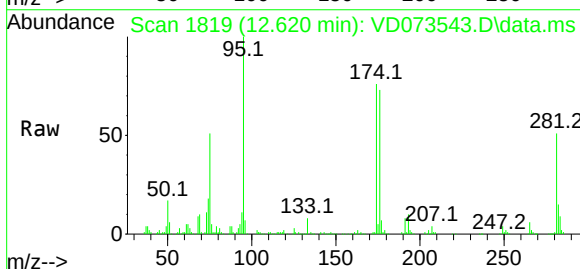
Instrument :  
MSVOA\_D  
ClientSampleId :  
125

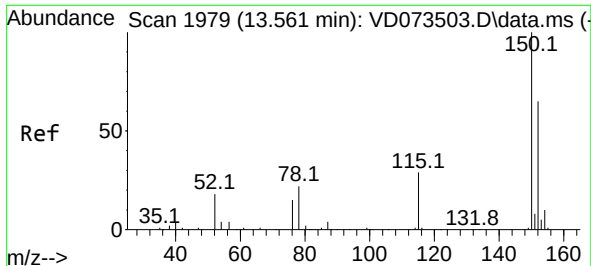
Tgt Ion:117 Resp: 474012  
Ion Ratio Lower Upper  
117 100  
82 54.4 45.3 67.9  
119 32.1 26.6 40.0



#71  
Bromoform  
Concen: 1.077 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.271 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

Tgt Ion:173 Resp: 2179  
Ion Ratio Lower Upper  
173 100  
175 408.5 23.9 71.8#  
254 0.0 0.0 0.0

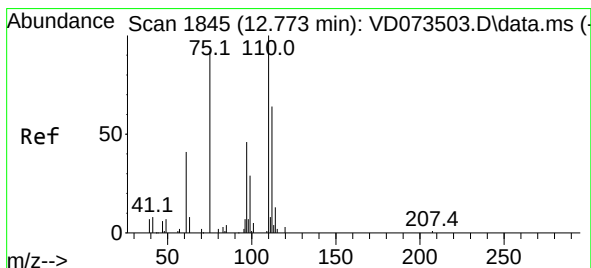
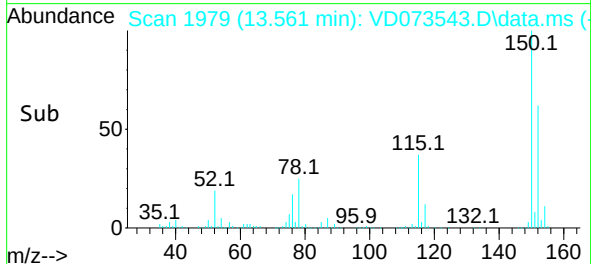
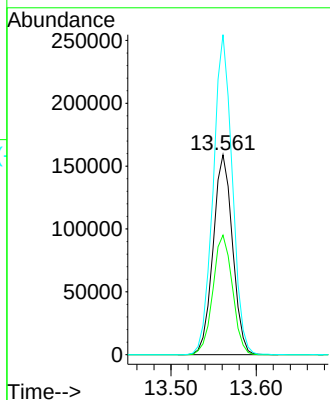
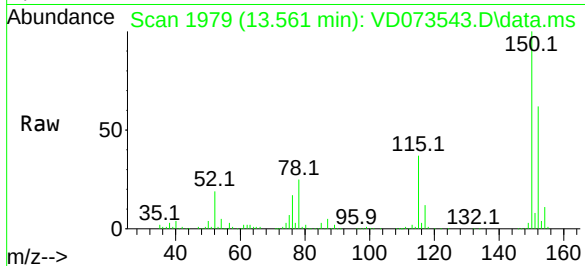




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD073543.D  
 Acq: 13 Jun 2022 13:45

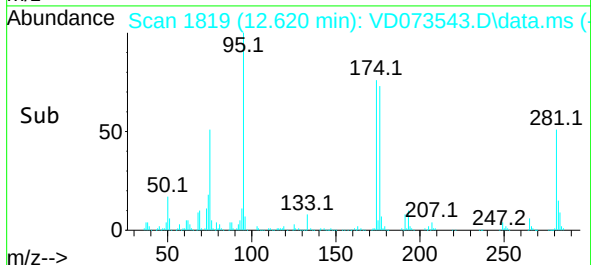
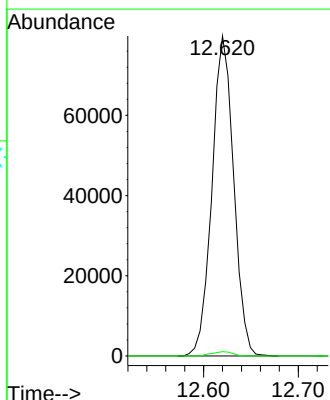
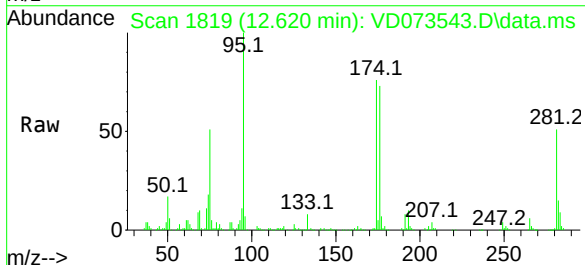
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 125

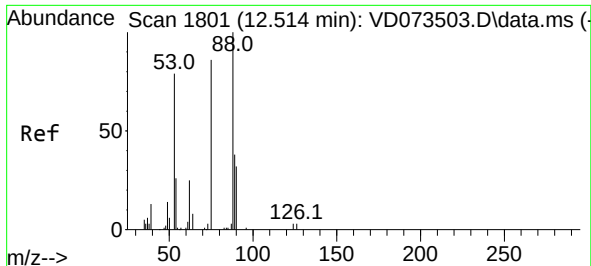
Tgt Ion:152 Resp: 251591  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 31.3 93.8  
 150 157.5 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 52.033 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.153 min  
 Lab File: VD073543.D  
 Acq: 13 Jun 2022 13:45

Tgt Ion: 75 Resp: 127174  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#

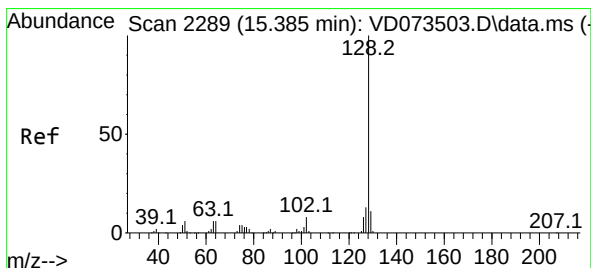
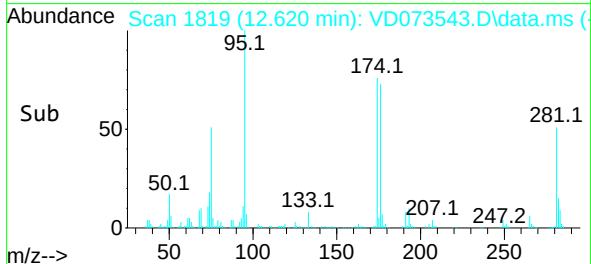
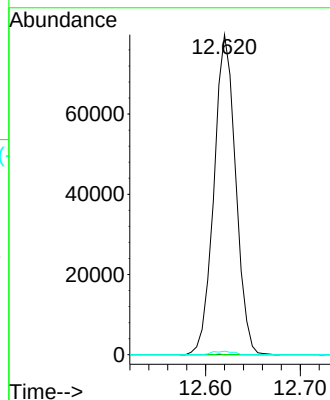
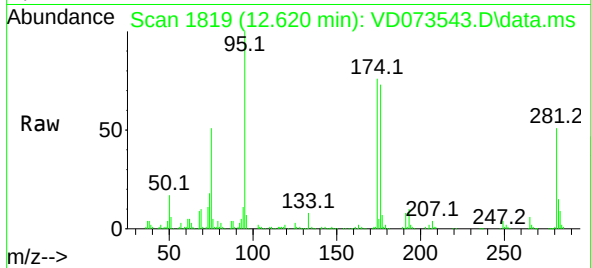




#81  
trans-1,4-Dichloro-2-butene  
Concen: 122.130 ug/l  
RT: 12.620 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
125

Tgt Ion: 75 Resp: 127174  
Ion Ratio Lower Upper  
75 100  
53 0.1 86.5 129.7#  
89 1.0 33.9 50.9#



#95  
Naphthalene  
Concen: 4.254 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. -0.001 min  
Lab File: VD073543.D  
Acq: 13 Jun 2022 13:45

Tgt Ion: 128 Resp: 496  
Ion Ratio Lower Upper  
128 100  
127 11.1 10.3 15.5  
129 0.0 8.4 12.6#

