

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
 Data File : VD073255.D  
 Acq On : 22 May 2022 05:05  
 Operator : VA/SY  
 Sample : N2920-08  
 Misc : 4.43G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P024-SS001-1218-01

Quant Time: May 23 01:12:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

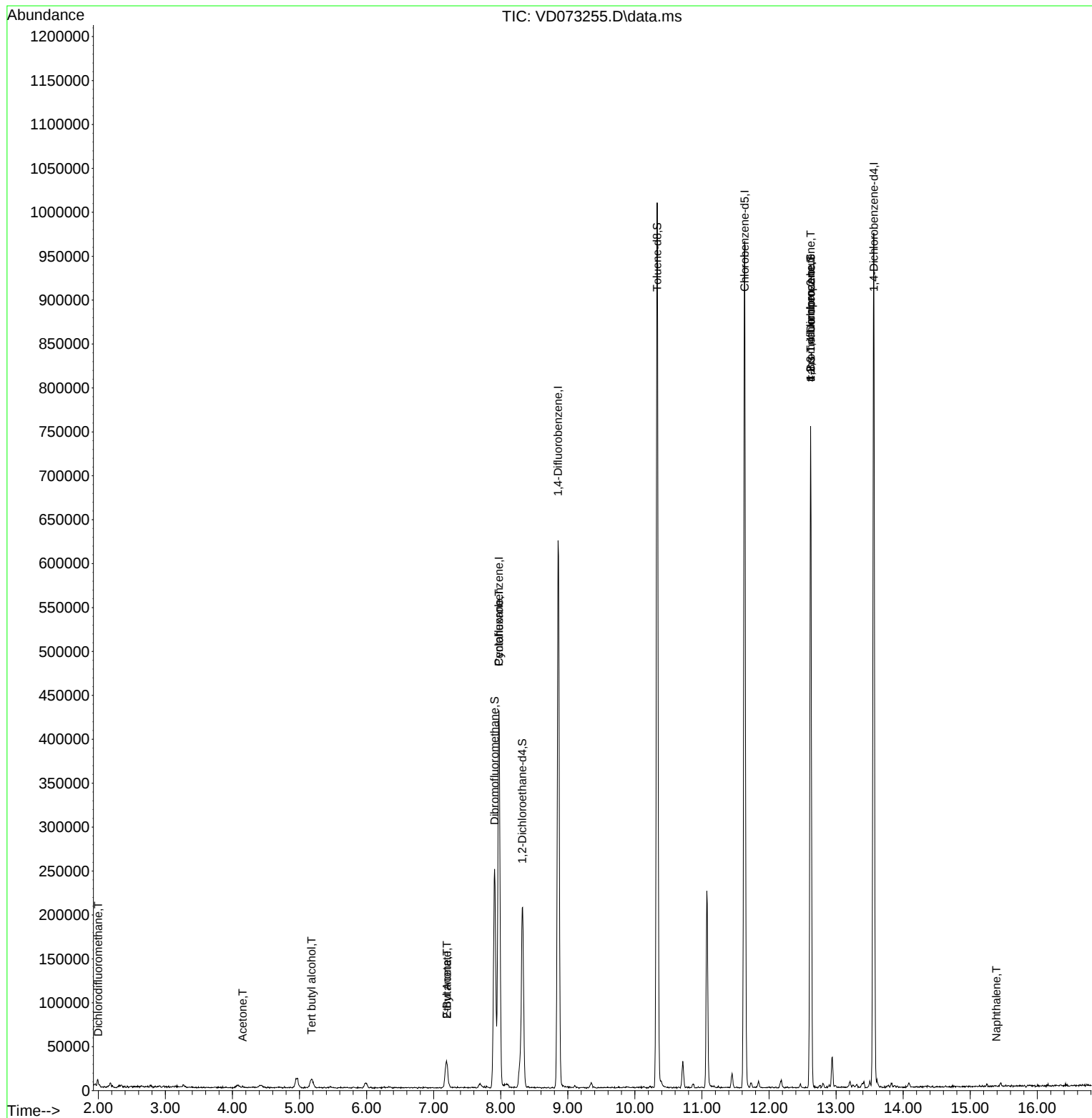
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 314618   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.856  | 114   | 533678   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 559977   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 250390   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.320  | 65    | 164398   | 47.282    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 94.560%  |
| 35) Dibromofluoromethane      | 7.909  | 113   | 180436   | 51.238    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 102.480% |
| 50) Toluene-d8                | 10.332 | 98    | 668320   | 51.483    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 102.960% |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 242479   | 53.226    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 106.460% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.997  | 85    | 5574     | 1.773     | ug/l   | 98       |
| 5) Bromomethane               | 2.785  | 94    | 1381     | Below Cal | #      | 67       |
| 11) Tert butyl alcohol        | 5.179  | 59    | 9463     | 17.542    | ug/l # | 74       |
| 16) Acetone                   | 4.150  | 43    | 2485     | 4.126     | ug/l # | 79       |
| 20) Methylene Chloride        | 4.944  | 84    | 5212     | Below Cal | #      | 73       |
| 25) 2-Butanone                | 7.197  | 43    | 2385     | 2.707     | ug/l # | 52       |
| 31) Cyclohexane               | 7.973  | 56    | 9850     | 1.621     | ug/l # | 1        |
| 37) Ethyl Acetate             | 7.197  | 43    | 2385     | 1.140     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 121999   | 49.659    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 121999   | 119.215   | ug/l # | 7        |
| 95) Naphthalene               | 15.390 | 128   | 734      | 3.625     | ug/l # | 78       |
| -----                         |        |       |          |           |        |          |

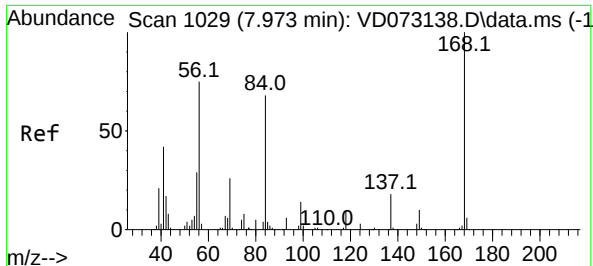
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
P024-SS001-1218-01

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Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration

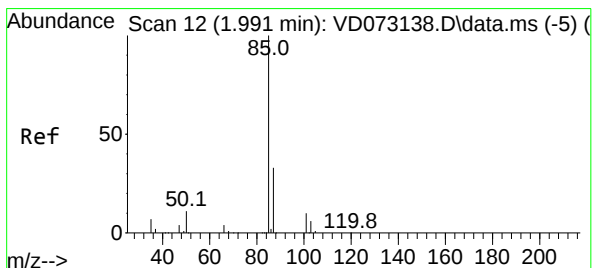
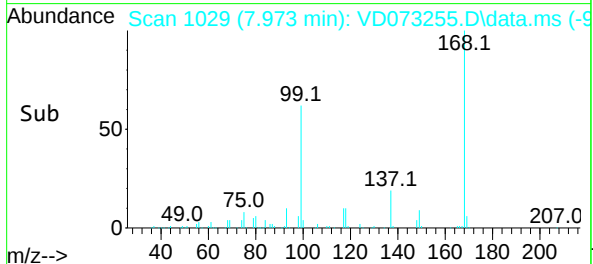
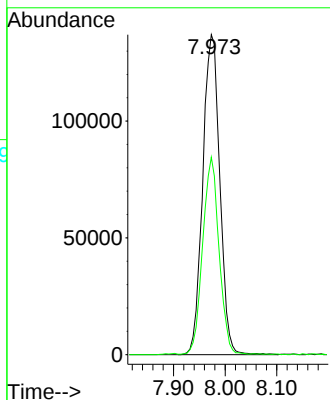
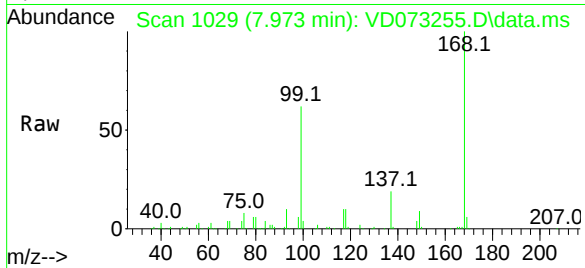




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

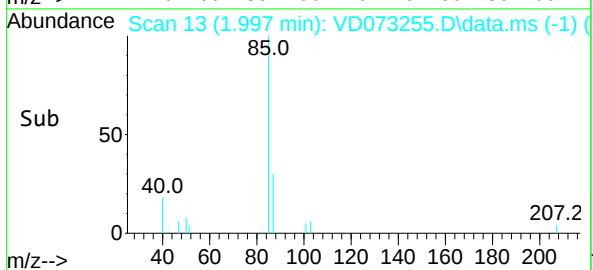
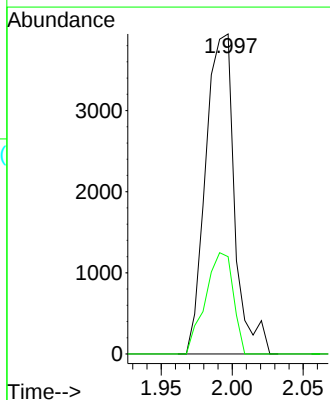
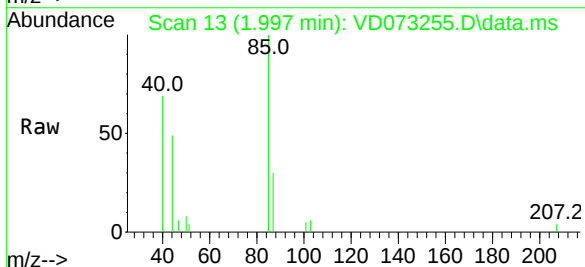
Instrument :  
MSVOA\_D  
ClientSampleId :  
P024-SS001-1218-01

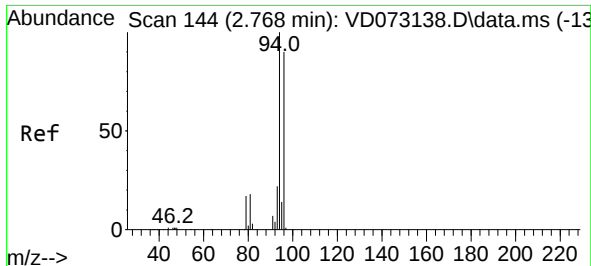
Tgt Ion:168 Resp: 314618  
Ion Ratio Lower Upper  
168 100  
99 61.5 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 1.773 ug/l  
RT: 1.997 min Scan# 13  
Delta R.T. 0.006 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

Tgt Ion: 85 Resp: 5574  
Ion Ratio Lower Upper  
85 100  
87 30.4 15.7 47.0

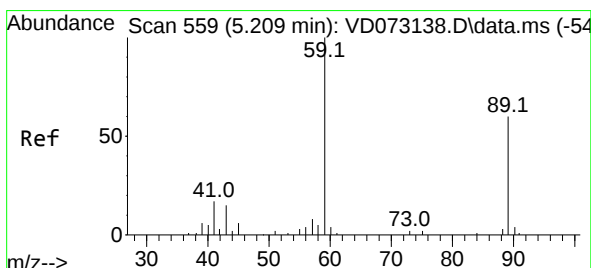
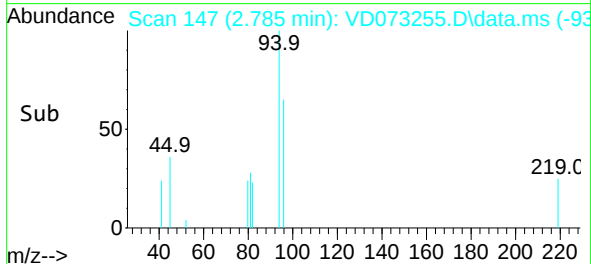
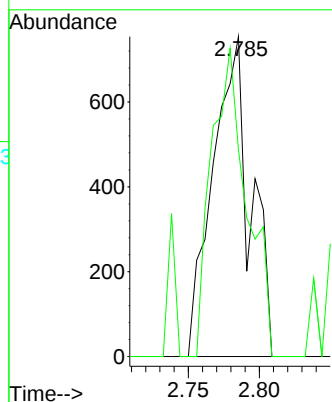
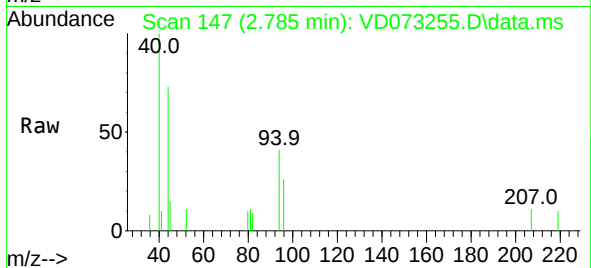




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.785 min Scan# 14  
Delta R.T. 0.017 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

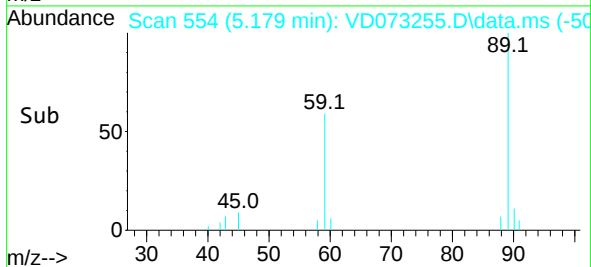
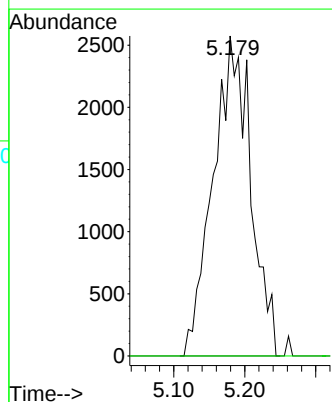
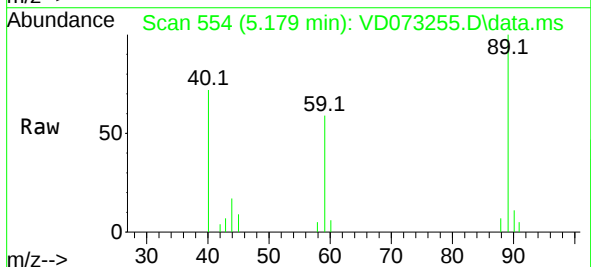
Instrument :  
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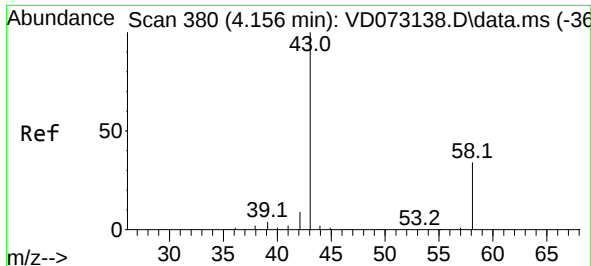
Tgt Ion: 94 Resp: 1381  
Ion Ratio Lower Upper  
94 100  
96 64.7 77.6 116.4#



#11  
Tert butyl alcohol  
Concen: 17.542 ug/l  
RT: 5.179 min Scan# 554  
Delta R.T. -0.030 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

Tgt Ion: 59 Resp: 9463  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#

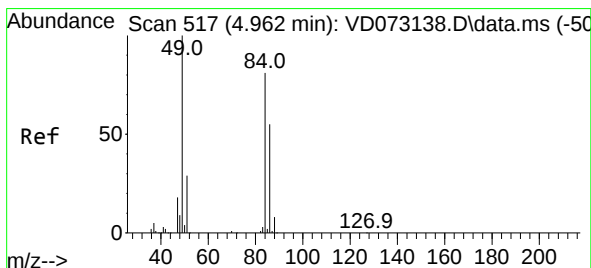
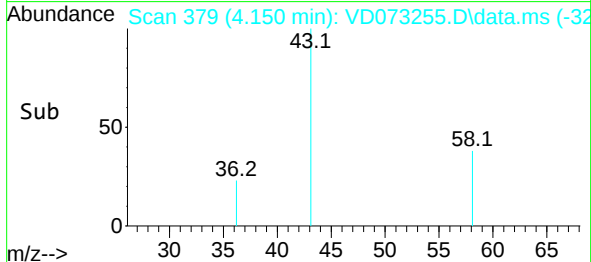
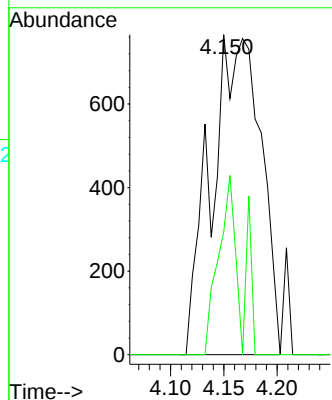
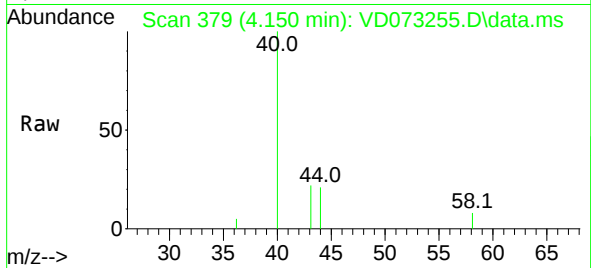




#16  
Acetone  
Concen: 4.126 ug/l  
RT: 4.150 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

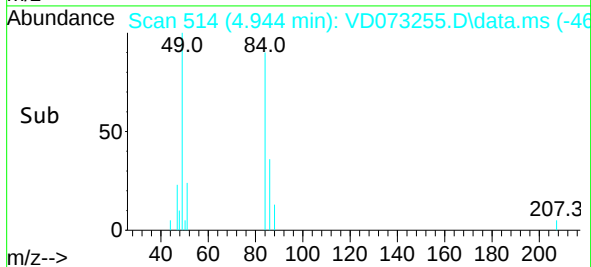
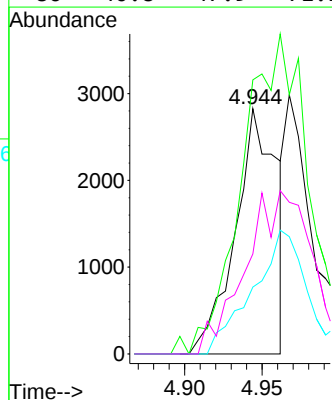
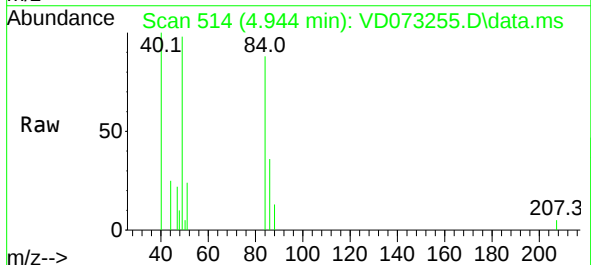
Instrument :  
MSVOA\_D  
ClientSampleId :  
P024-SS001-1218-01

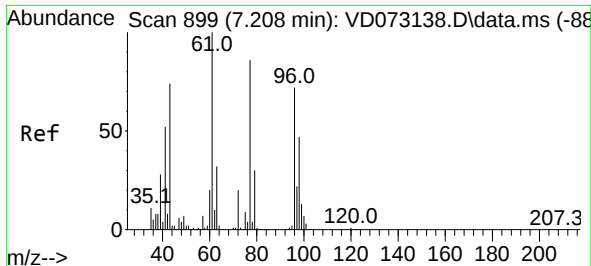
Tgt Ion: 43 Resp: 2485  
Ion Ratio Lower Upper  
43 100  
58 38.4 22.1 33.1#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.944 min Scan# 514  
Delta R.T. -0.018 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

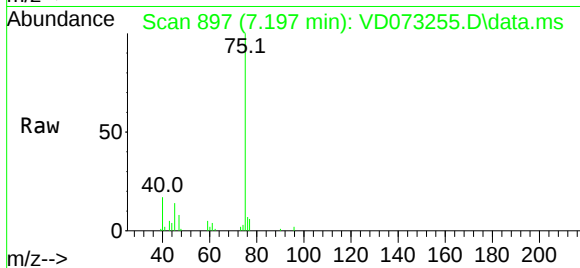
Tgt Ion: 84 Resp: 5212  
Ion Ratio Lower Upper  
84 100  
49 104.6 112.8 169.2#  
51 27.3 32.6 48.8#  
86 40.8 47.9 71.9#



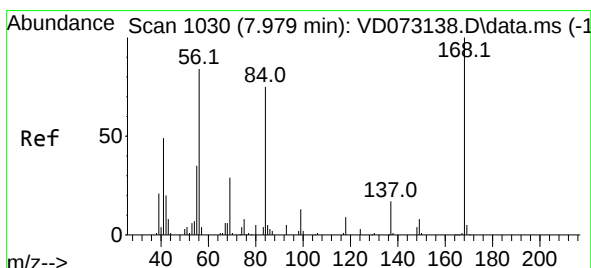
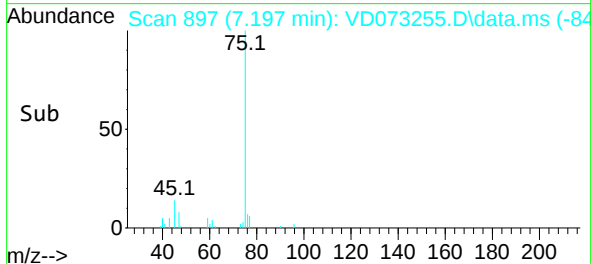
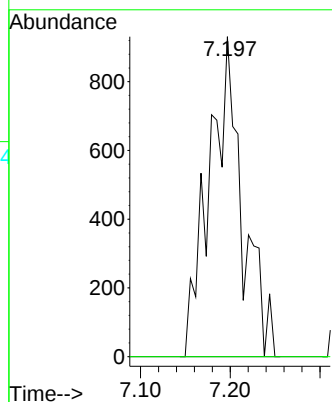


#25  
2-Butanone  
Concen: 2.707 ug/l  
RT: 7.197 min Scan# 899  
Delta R.T. -0.011 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
P024-SS001-1218-01

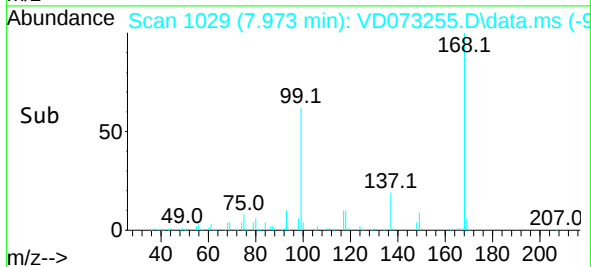
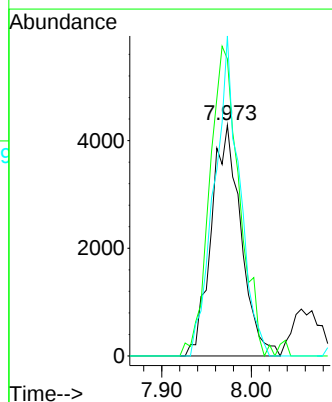
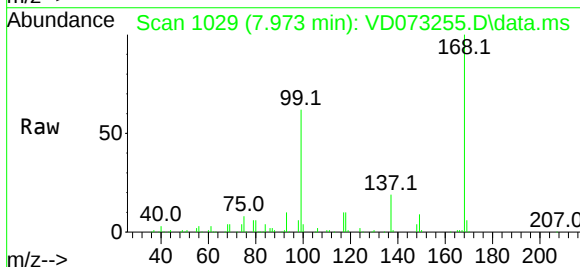


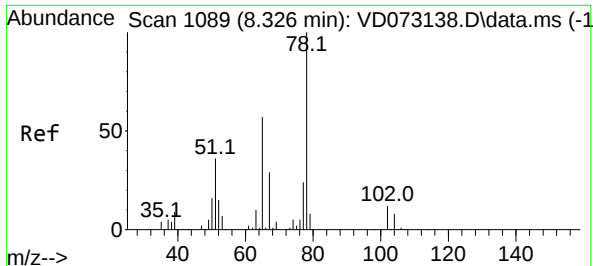
Tgt Ion: 43 Resp: 2385  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.6 27.8#



#31  
Cyclohexane  
Concen: 1.621 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

Tgt Ion: 56 Resp: 9850  
Ion Ratio Lower Upper  
56 100  
69 128.6 25.4 38.2#  
84 138.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.282 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073255.D

Acq: 22 May 2022 05:05

Instrument :

MSVOA\_D

ClientSampleId :

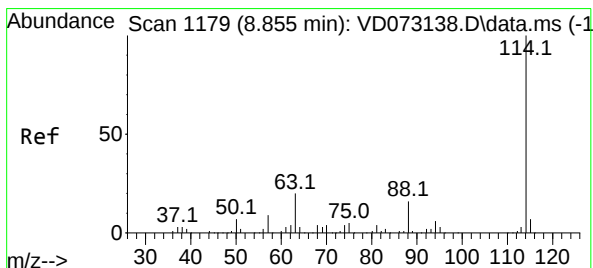
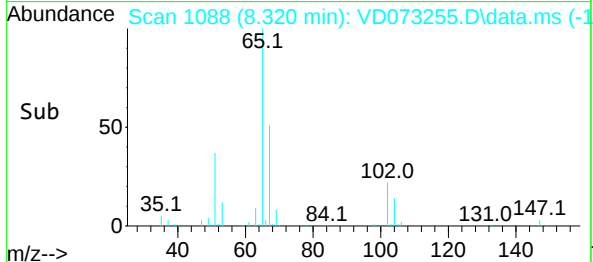
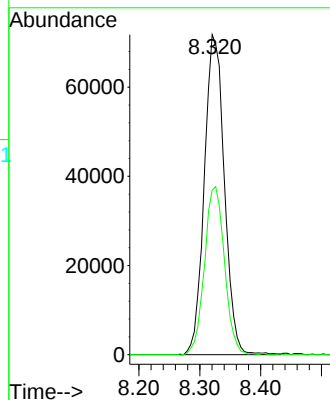
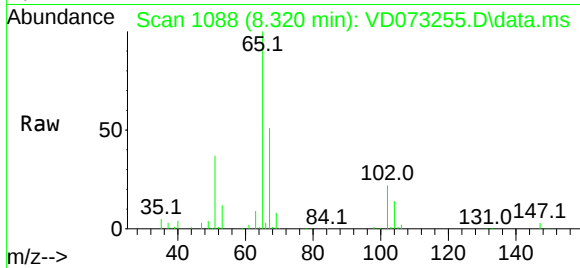
P024-SS001-1218-01

Tgt Ion: 65 Resp: 164398

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073255.D

Acq: 22 May 2022 05:05

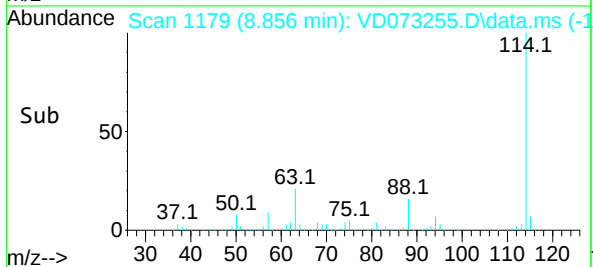
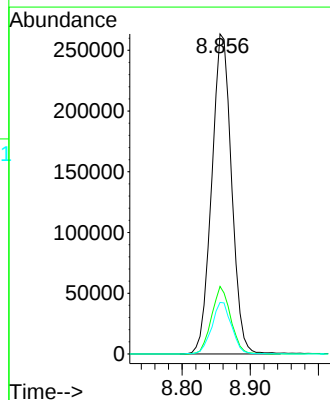
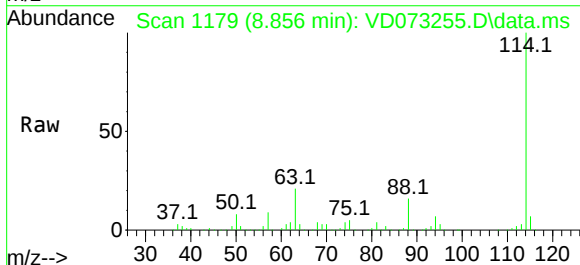
Tgt Ion: 114 Resp: 533678

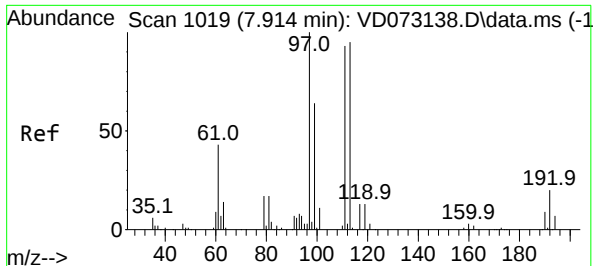
Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.6

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.238 ug/l

RT: 7.909 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD073255.D

Acq: 22 May 2022 05:05

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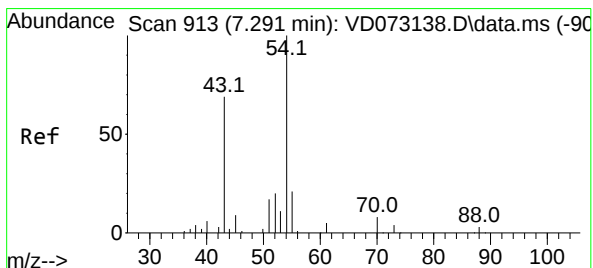
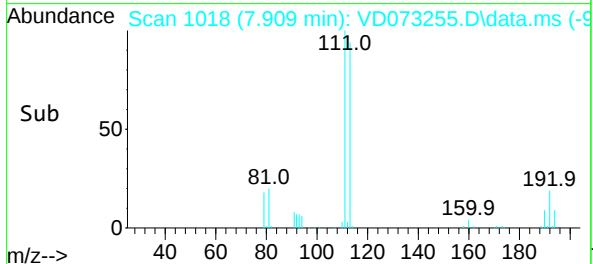
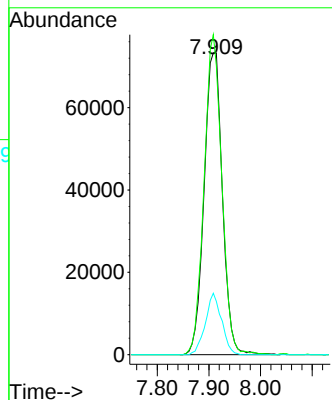
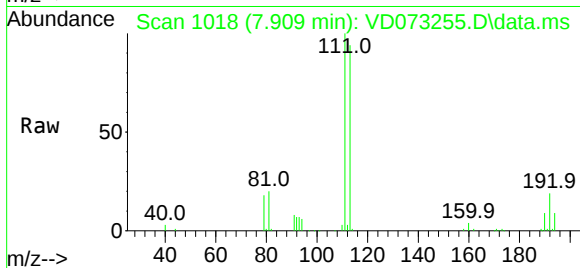
Tgt Ion:113 Resp: 180436

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.0 14.6 21.8



#37

Ethyl Acetate

Concen: 1.140 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073255.D

Acq: 22 May 2022 05:05

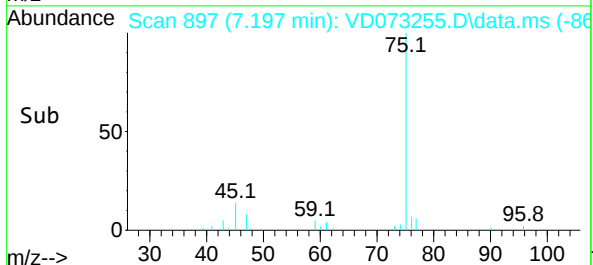
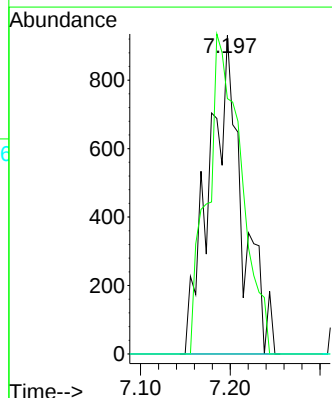
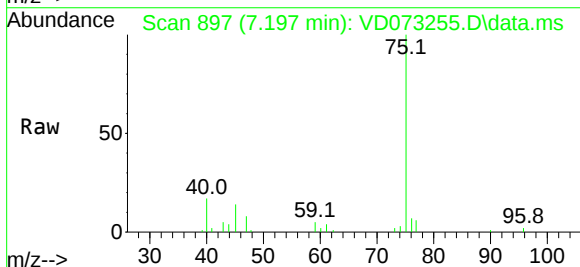
Tgt Ion: 43 Resp: 2385

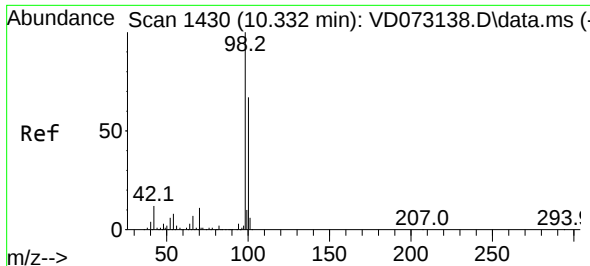
Ion Ratio Lower Upper

43 100

61 103.1 9.8 14.8#

70 0.0 6.9 10.3#

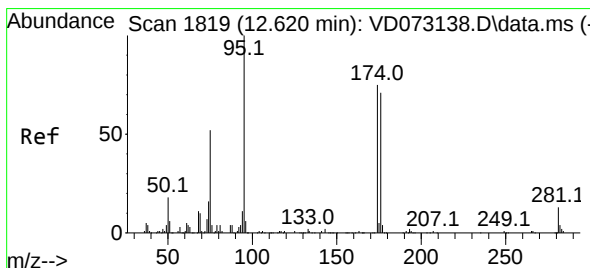
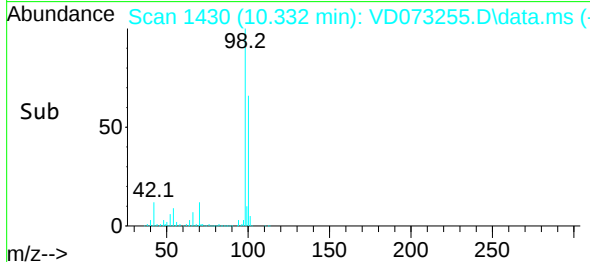
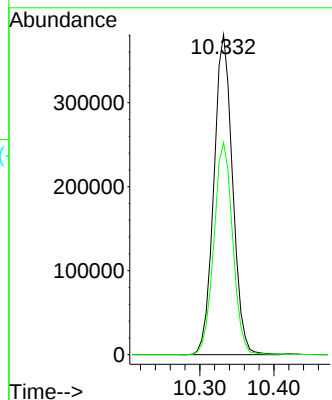
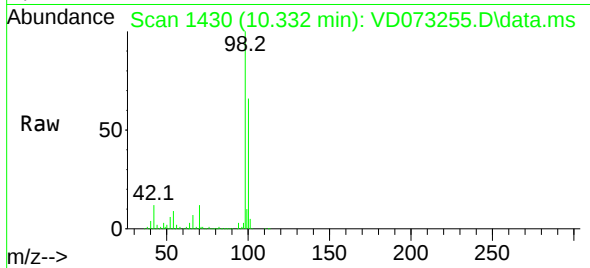




#50  
Toluene-d8  
Concen: 51.483 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

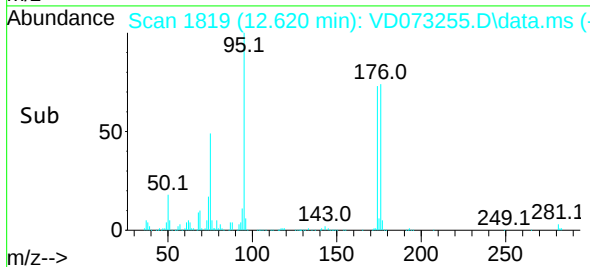
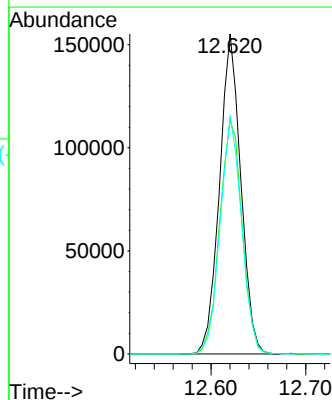
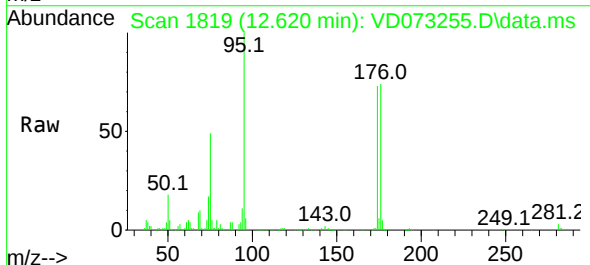
Instrument :  
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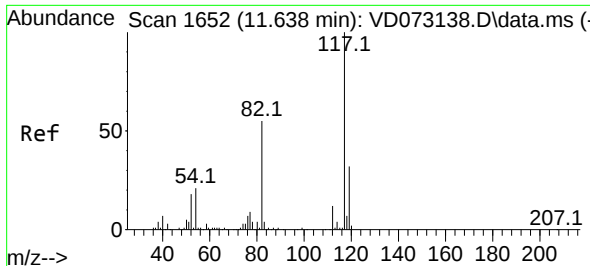
Tgt Ion: 98 Resp: 668320  
Ion Ratio Lower Upper  
98 100  
100 66.8 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 53.226 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

Tgt Ion: 95 Resp: 242479  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 152.8  
176 74.7 0.0 145.4

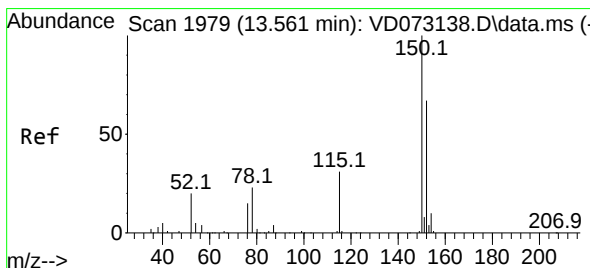
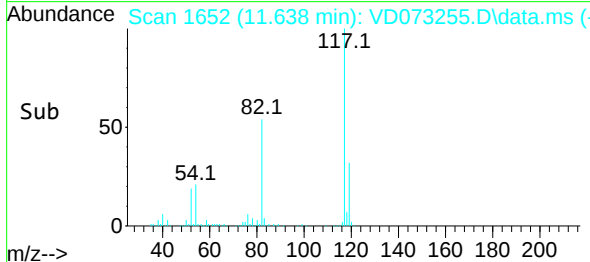
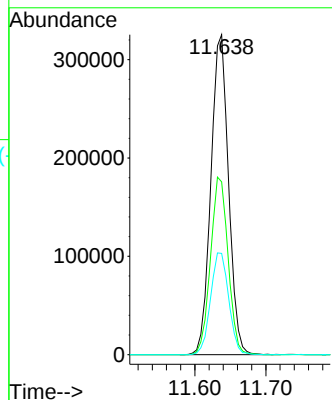
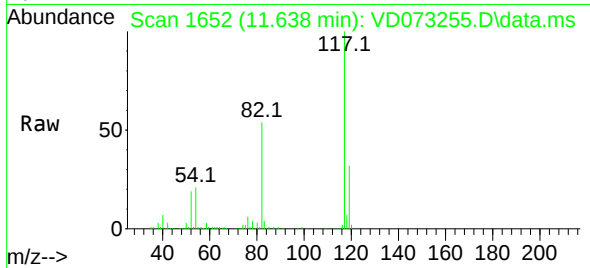




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

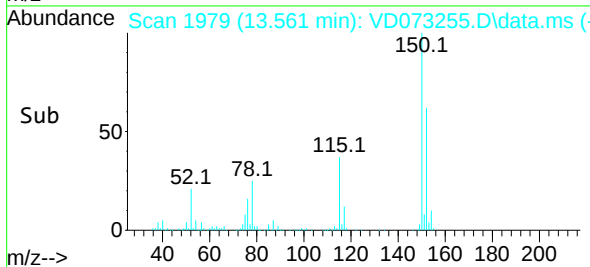
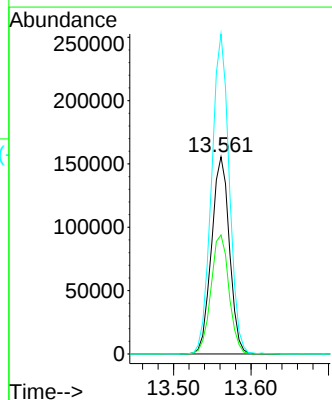
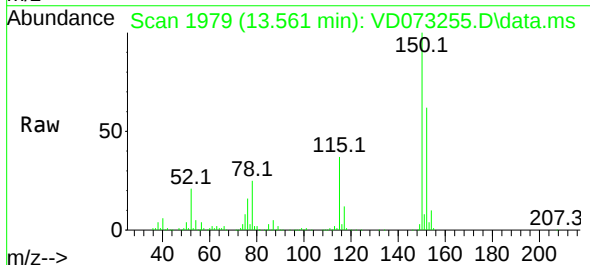
Instrument :  
MSVOA\_D  
ClientSampleId :  
P024-SS001-1218-01

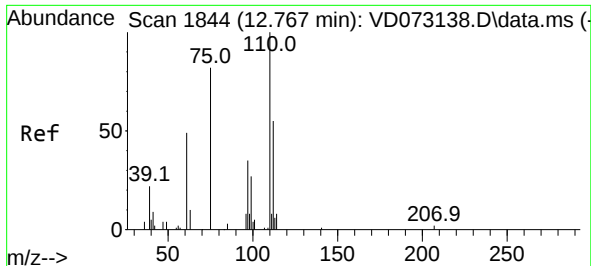
Tgt Ion:117 Resp: 559977  
Ion Ratio Lower Upper  
117 100  
82 54.0 45.3 67.9  
119 31.6 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

Tgt Ion:152 Resp: 250390  
Ion Ratio Lower Upper  
152 100  
115 60.9 31.3 93.8  
150 160.3 0.0 348.6

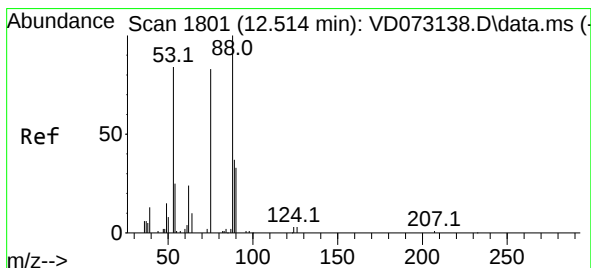
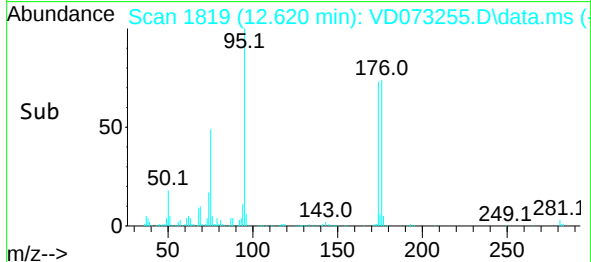
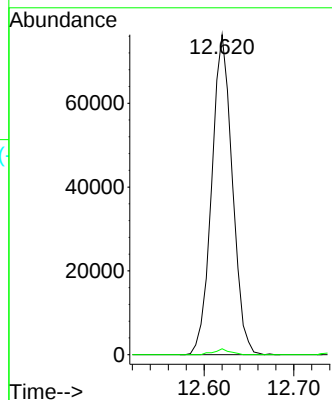
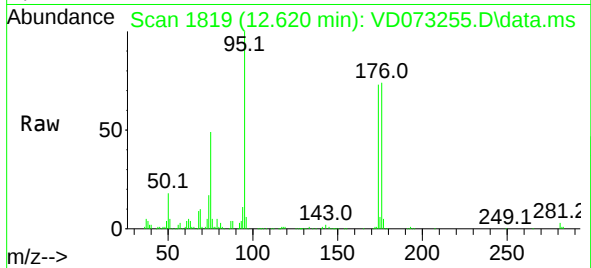




#76  
1,2,3-Trichloropropane  
Concen: 49.659 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

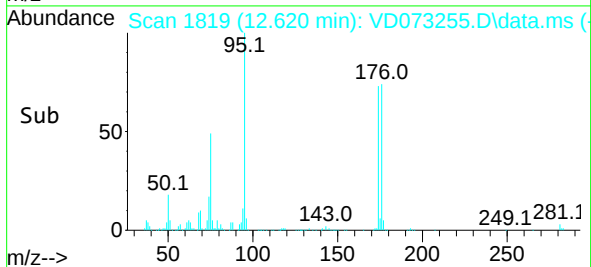
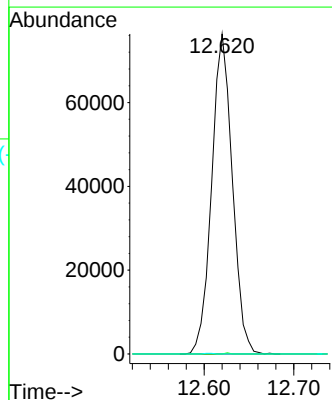
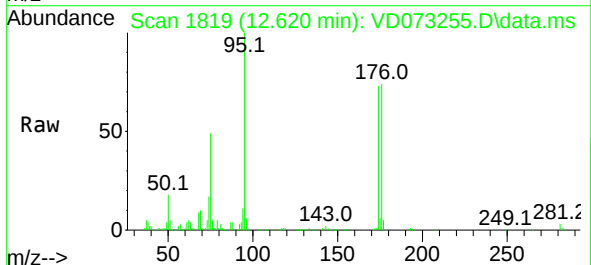
Instrument :  
MSVOA\_D  
ClientSampleId :  
P024-SS001-1218-01

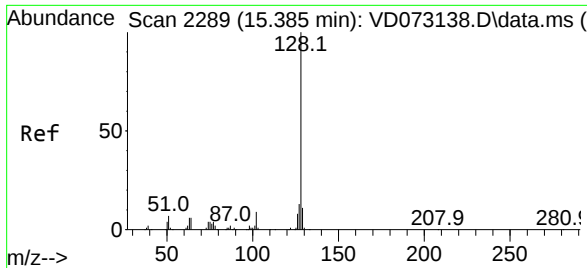
Tgt Ion: 75 Resp: 121999  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 119.215 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073255.D  
Acq: 22 May 2022 05:05

Tgt Ion: 75 Resp: 121999  
Ion Ratio Lower Upper  
75 100  
53 0.1 86.5 129.7#  
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 3.625 ug/l

RT: 15.390 min Scan# 21

Delta R.T. 0.005 min

Lab File: VD073255.D

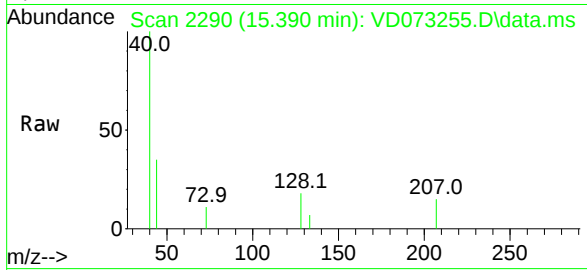
Acq: 22 May 2022 05:05

Instrument :

MSVOA\_D

ClientSampleId :

P024-SS001-1218-01



Tgt Ion:128 Resp: 734

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 7.5 8.4 12.6#

