

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060722\  
 Data File : VD073491.D  
 Acq On : 07 Jun 2022 10:31  
 Operator : VA/SY  
 Sample : VD0607SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0607SBL01

Quant Time: Jun 07 16:33:09 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

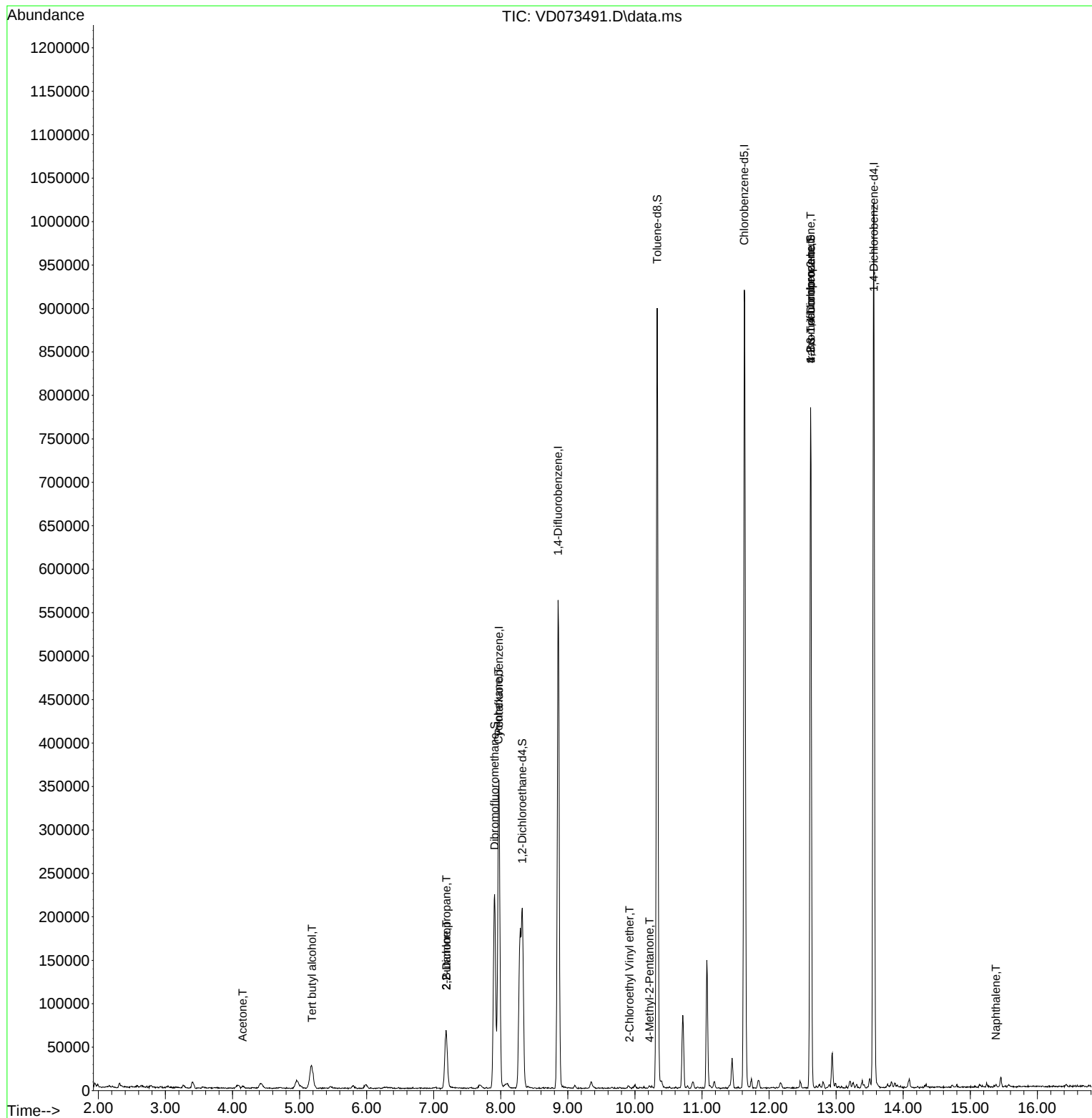
| Compound                      | R.T. QIon |       | Response | Conc         | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|--------------|------------|----------|
| -----                         |           |       |          |              |            |          |
| Internal Standards            |           |       |          |              |            |          |
| 1) Pentafluorobenzene         | 7.973     | 168   | 256399   | 50.000       | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855     | 114   | 483104   | 50.000       | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.632    | 117   | 551328   | 50.000       | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561    | 152   | 274597   | 50.000       | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |              |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.320     | 65    | 147078   | 51.906       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery     | = 103.820% |          |
| 35) Dibromofluoromethane      | 7.908     | 113   | 163621   | 51.327       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery     | = 102.660% |          |
| 50) Toluene-d8                | 10.332    | 98    | 608075   | 51.746       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery     | = 103.500% |          |
| 62) 4-Bromofluorobenzene      | 12.620    | 95    | 250215   | 60.673       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery     | = 121.340% |          |
| Target Compounds              |           |       |          |              |            |          |
|                               |           |       |          |              |            | Qvalue   |
| 5) Bromomethane               | 2.779     | 94    | 1710     | Below Cal    | 90         |          |
| 11) Tert butyl alcohol        | 5.185     | 59    | 24642    | 56.052 ug/l  | #          | 74       |
| 16) Acetone                   | 4.150     | 43    | 3344     | 6.813 ug/l   | #          | 77       |
| 20) Methylene Chloride        | 4.956     | 84    | 6569     | Below Cal    | #          | 80       |
| 25) 2-Butanone                | 7.191     | 43    | 4001     | 5.572 ug/l   | 91         |          |
| 26) 2,2-Dichloropropane       | 7.191     | 77    | 5834     | 1.222 ug/l   | #          | 61       |
| 31) Cyclohexane               | 7.967     | 56    | 7714     | 1.558 ug/l   | #          | 1        |
| 51) 4-Methyl-2-Pentanone      | 10.220    | 43    | 2116     | 1.164 ug/l   | 91         |          |
| 58) 2-Chloroethyl Vinyl ether | 9.920     | 63    | 163      | 21.730 ug/l  | #          | 48       |
| 76) 1,2,3-Trichloropropane    | 12.620    | 75    | 125610   | 46.621 ug/l  | #          | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620    | 75    | 125610   | 111.923 ug/l | #          | 7        |
| 95) Naphthalene               | 15.384    | 128   | 2767     | 3.828 ug/l   | #          | 78       |
| -----                         |           |       |          |              |            |          |

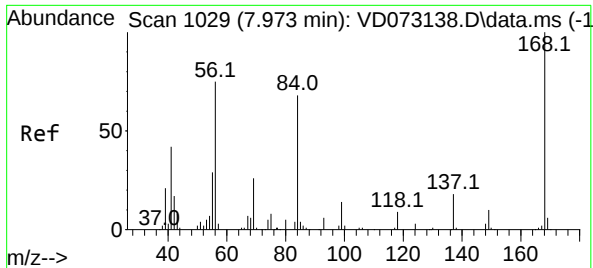
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060722\  
Data File : VD073491.D  
Acq On : 07 Jun 2022 10:31  
Operator : VA/SY  
Sample : VD0607SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

Quant Time: Jun 07 16:33:09 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

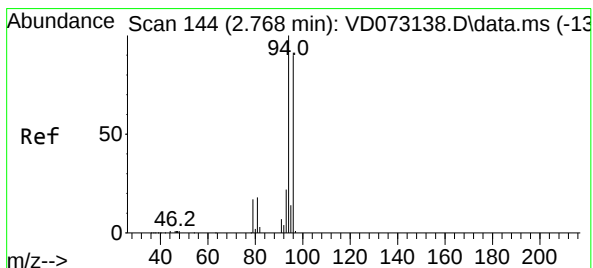
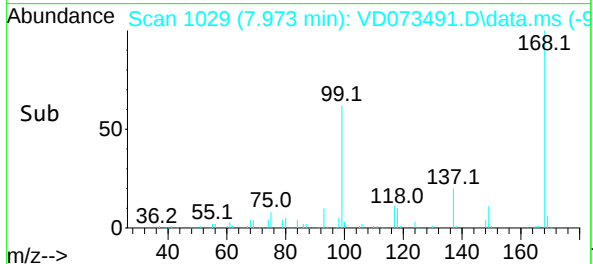
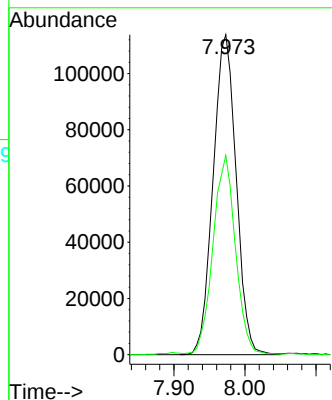
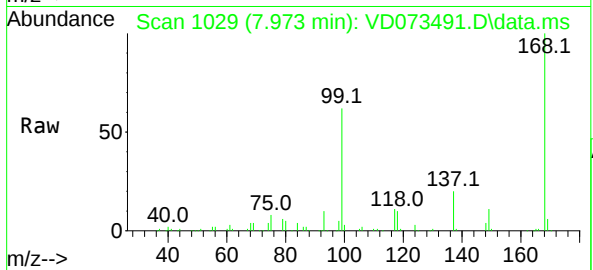




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

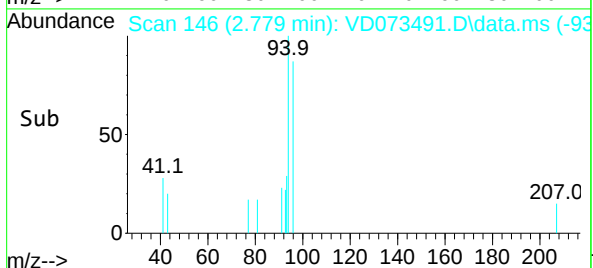
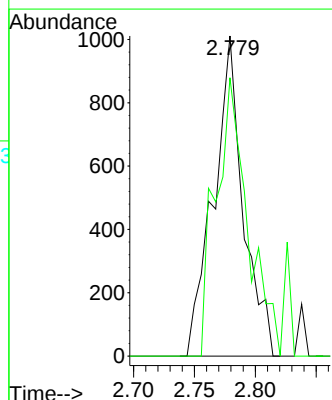
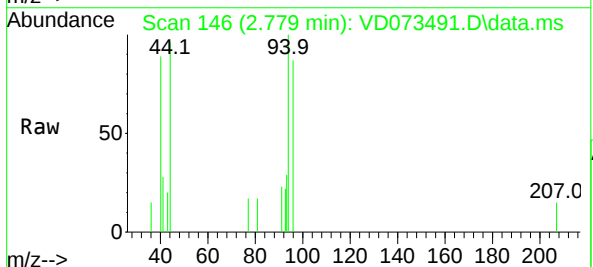
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

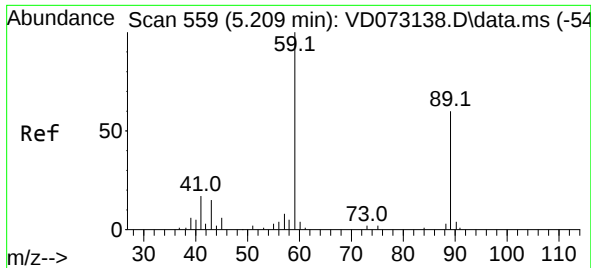
Tgt Ion:168 Resp: 256399  
Ion Ratio Lower Upper  
168 100  
99 62.1 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.779 min Scan# 146  
Delta R.T. 0.011 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

Tgt Ion: 94 Resp: 1710  
Ion Ratio Lower Upper  
94 100  
96 86.9 77.6 116.4

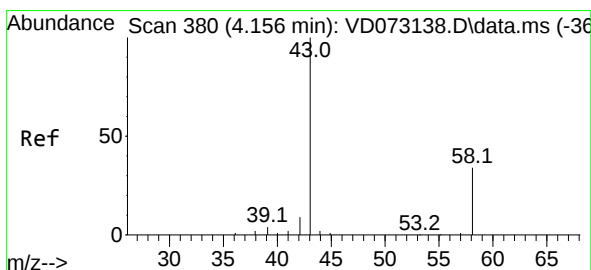
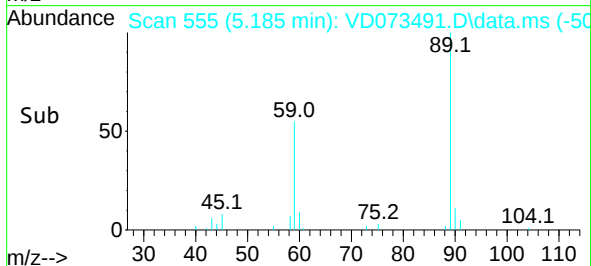
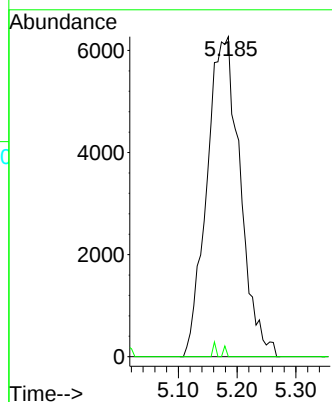
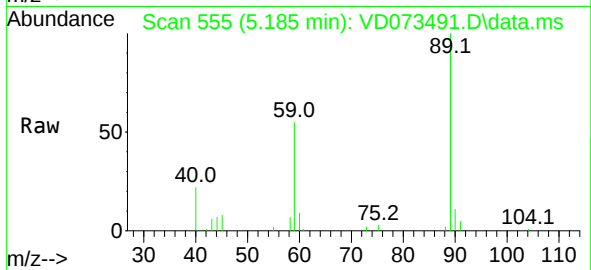




#11  
Tert butyl alcohol  
Concen: 56.052 ug/l  
RT: 5.185 min Scan# 51  
Delta R.T. -0.024 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

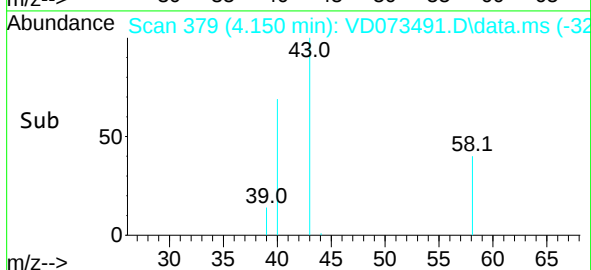
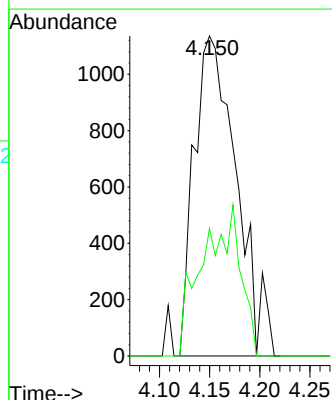
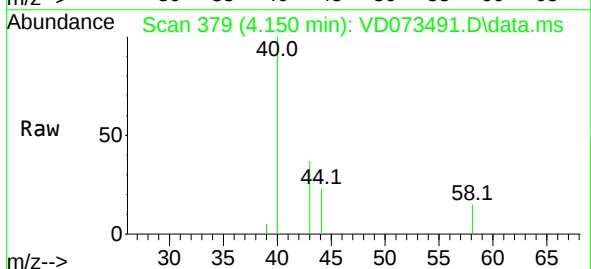
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

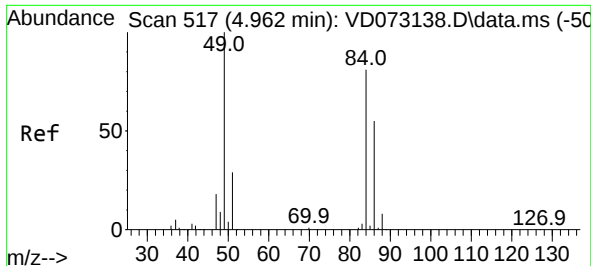
Tgt Ion: 59 Resp: 24642  
Ion Ratio Lower Upper  
59 100  
57 0.3 7.8 11.6#



#16  
Acetone  
Concen: 6.813 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

Tgt Ion: 43 Resp: 3344  
Ion Ratio Lower Upper  
43 100  
58 39.9 22.1 33.1#

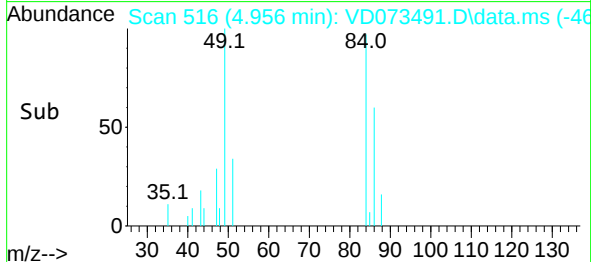
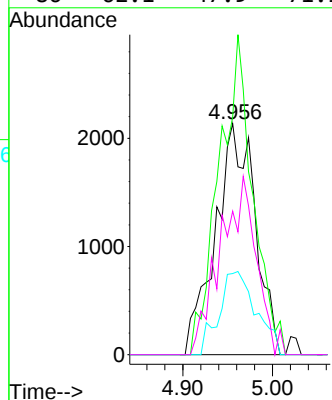
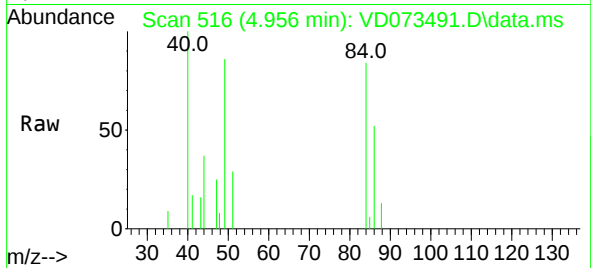




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.956 min Scan# 517  
Delta R.T. -0.006 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

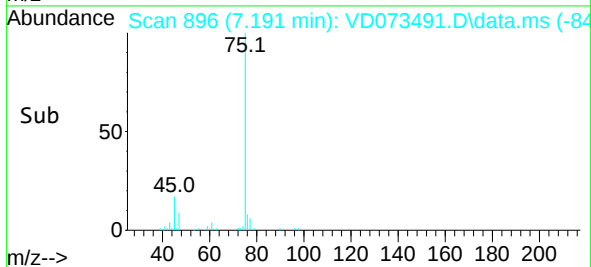
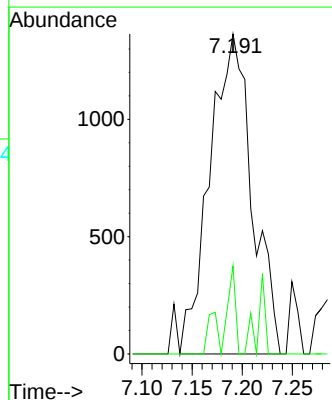
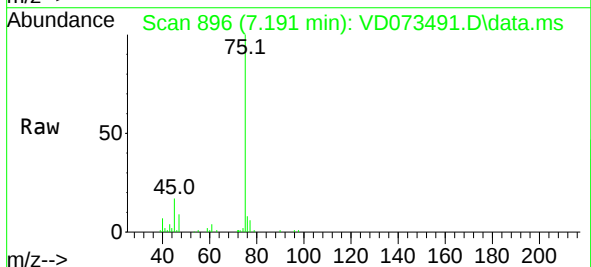
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

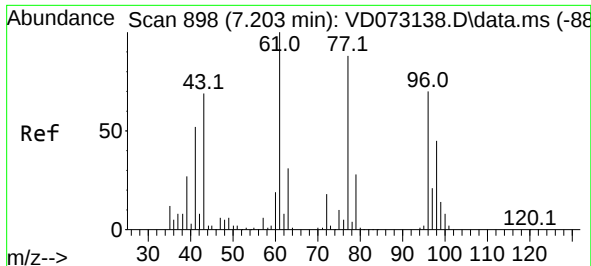
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 6569   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 102.9 | 112.8 | 169.2# |
| 51       | 35.1  | 32.6  | 48.8   |
| 86       | 62.1  | 47.9  | 71.9   |



#25  
2-Butanone  
Concen: 5.572 ug/l  
RT: 7.191 min Scan# 896  
Delta R.T. -0.017 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4001  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 27.5  | 18.6  | 27.8  |

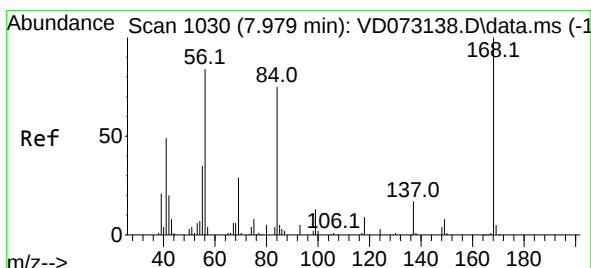
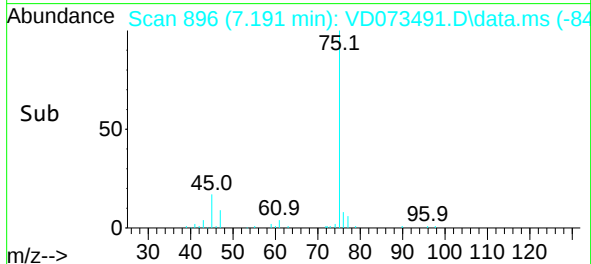
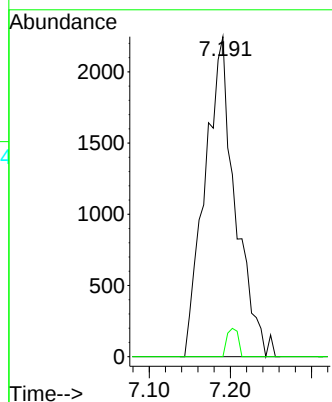
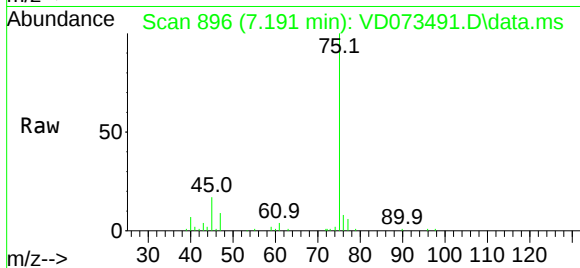




#26  
2,2-Dichloropropane  
Concen: 1.222 ug/l  
RT: 7.191 min Scan# 89  
Delta R.T. -0.012 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

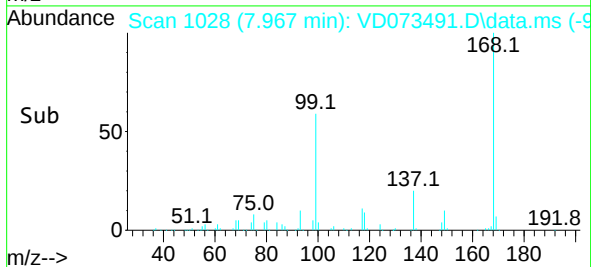
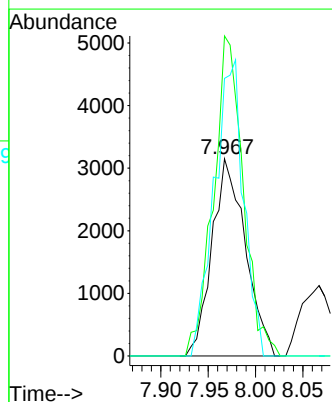
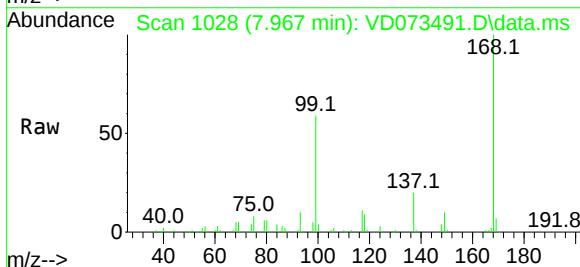
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

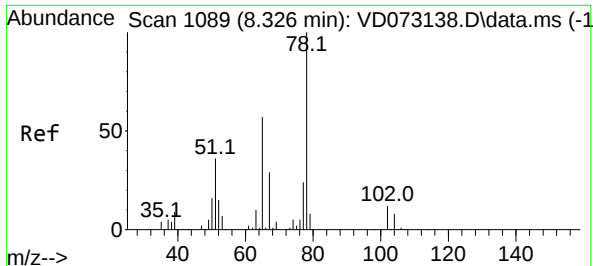
Tgt Ion: 77 Resp: 5834  
Ion Ratio Lower Upper  
77 100  
97 3.3 10.8 32.4#



#31  
Cyclohexane  
Concen: 1.558 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.012 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

Tgt Ion: 56 Resp: 7714  
Ion Ratio Lower Upper  
56 100  
69 162.3 25.4 38.2#  
84 140.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.906 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073491.D

Acq: 07 Jun 2022 10:31

Instrument :

MSVOA\_D

ClientSampleId :

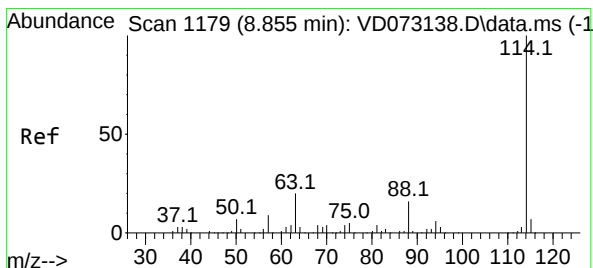
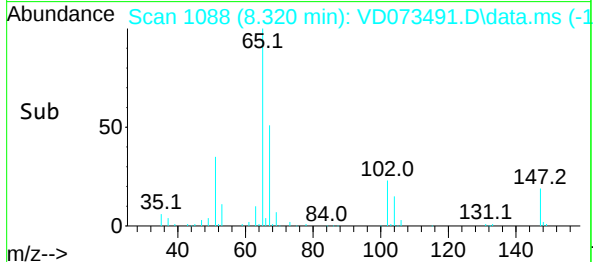
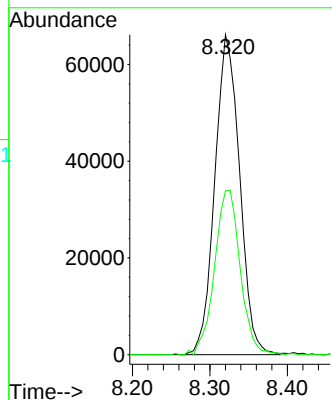
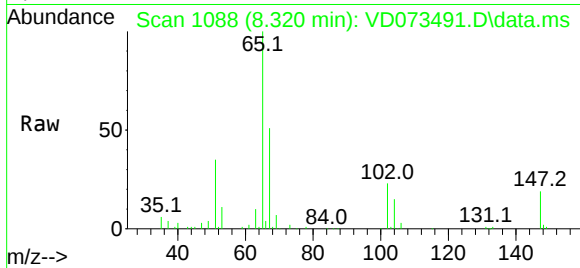
VD0607SBL01

Tgt Ion: 65 Resp: 147078

Ion Ratio Lower Upper

65 100

67 53.3 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: VD073491.D

Acq: 07 Jun 2022 10:31

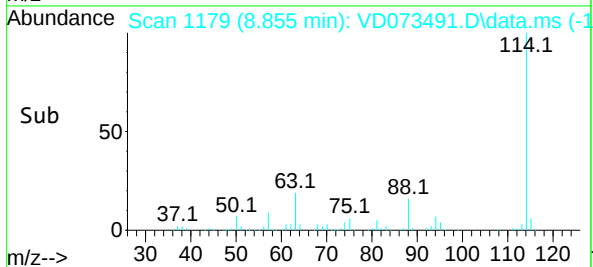
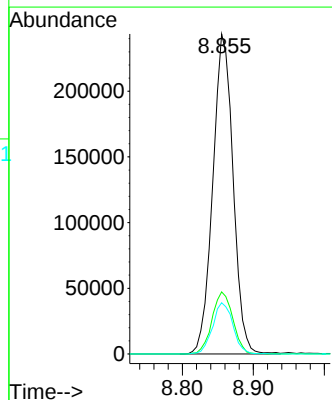
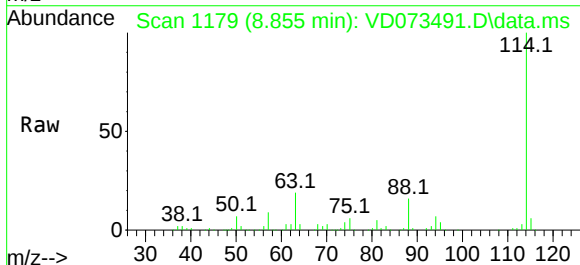
Tgt Ion: 114 Resp: 483104

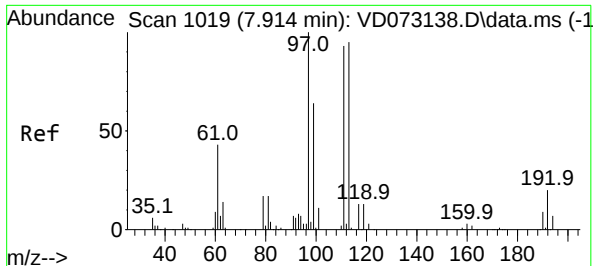
Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.327 ug/l

RT: 7.908 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD073491.D

Acq: 07 Jun 2022 10:31

Instrument :

MSVOA\_D

ClientSampleId :

VD0607SBL01

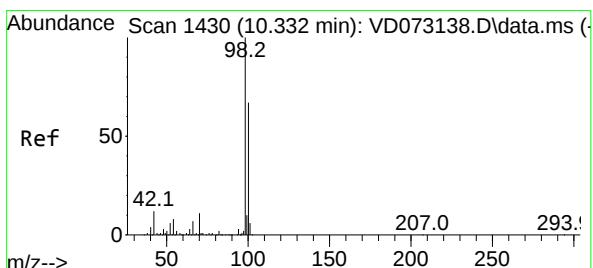
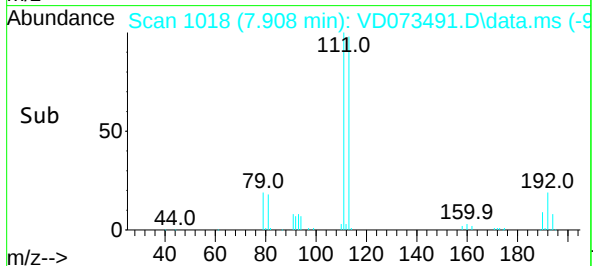
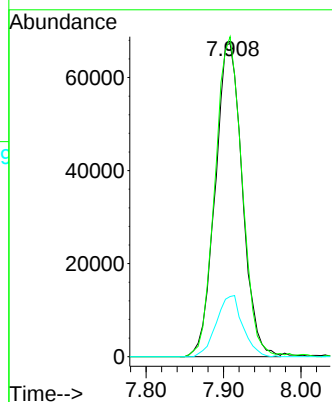
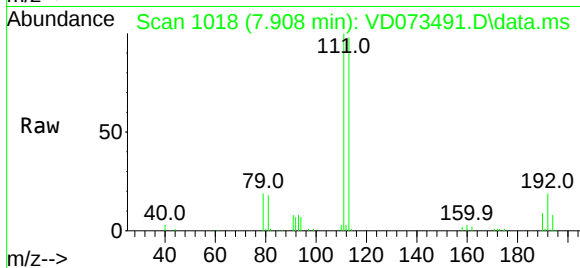
Tgt Ion:113 Resp: 163621

Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 19.1 14.6 21.8



#50

Toluene-d8

Concen: 51.746 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073491.D

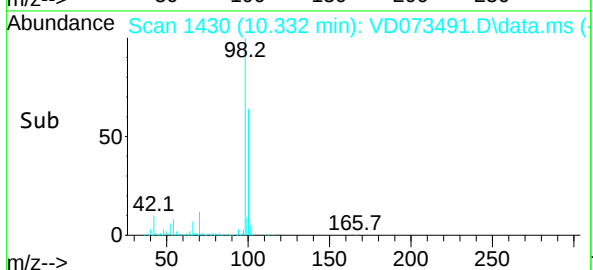
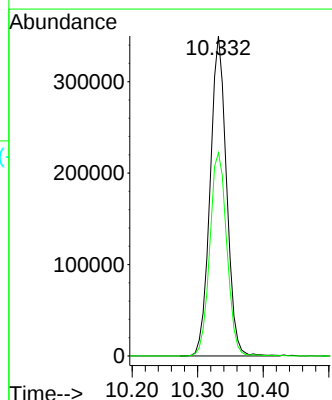
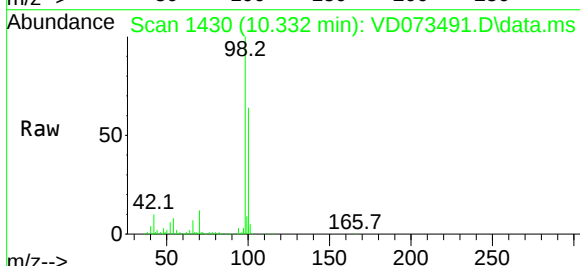
Acq: 07 Jun 2022 10:31

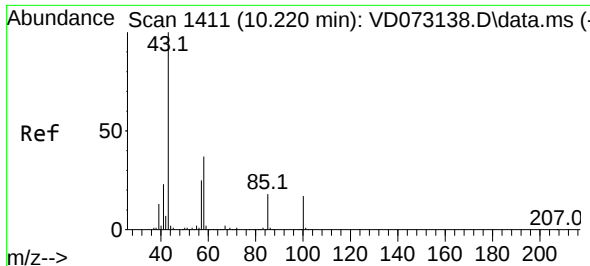
Tgt Ion: 98 Resp: 608075

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6

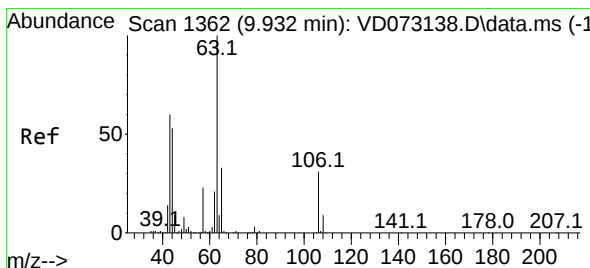
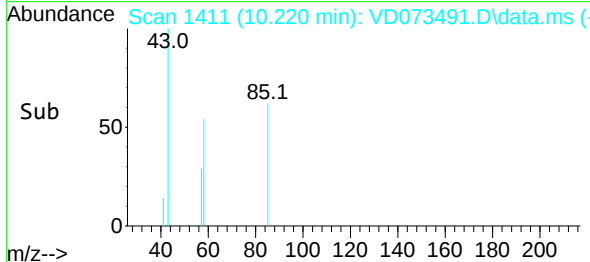
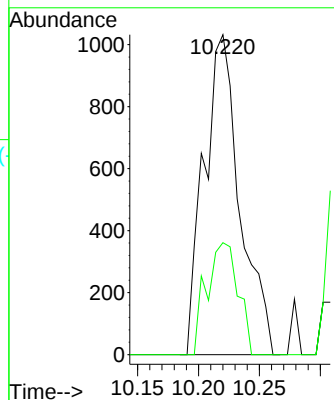
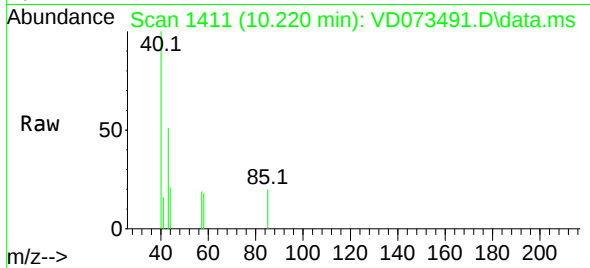




#51  
4-Methyl-2-Pentanone  
Concen: 1.164 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

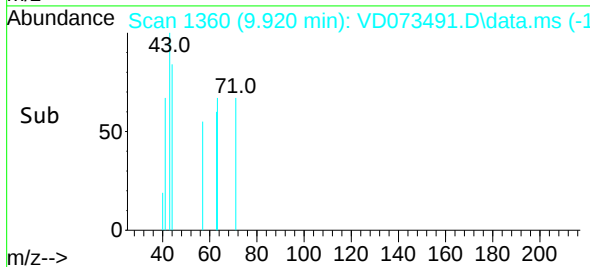
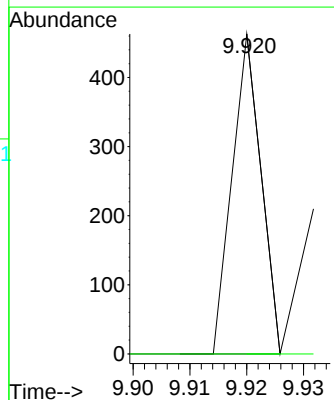
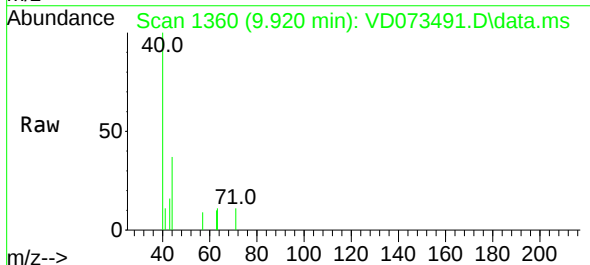
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

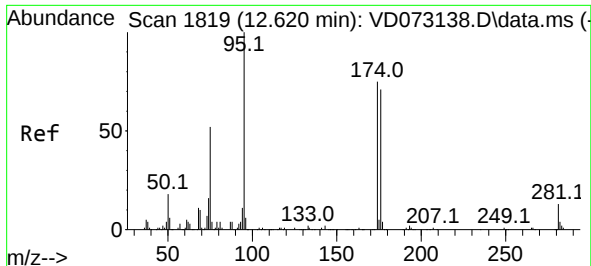
Tgt Ion: 43 Resp: 2116  
Ion Ratio Lower Upper  
43 100  
58 30.6 28.6 43.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 21.730 ug/l  
RT: 9.920 min Scan# 1360  
Delta R.T. -0.012 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

Tgt Ion: 63 Resp: 163  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.4 32.0#

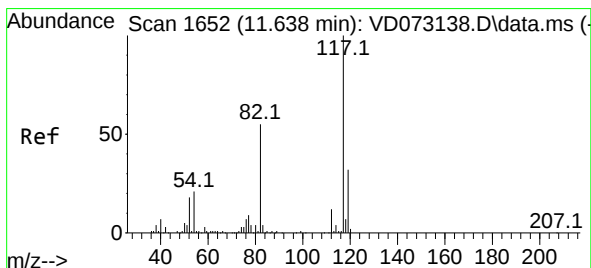
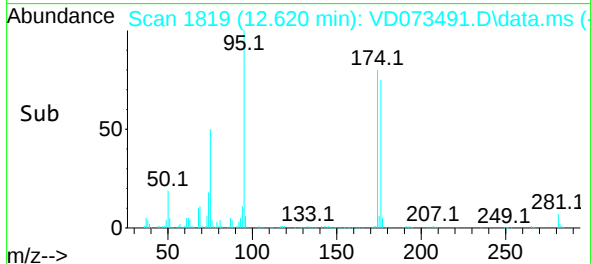
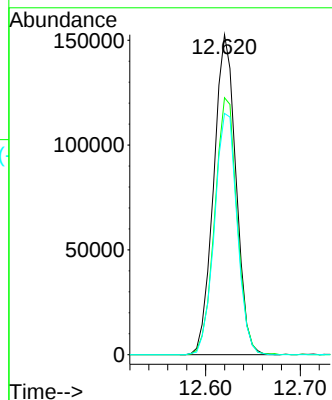
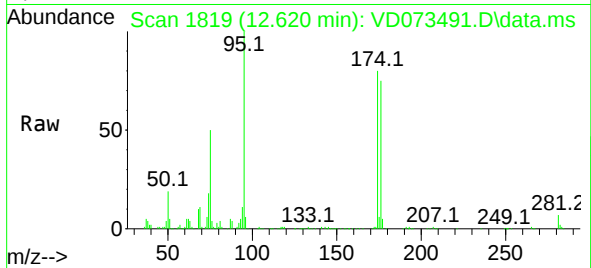




#62  
4-Bromofluorobenzene  
Concen: 60.673 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

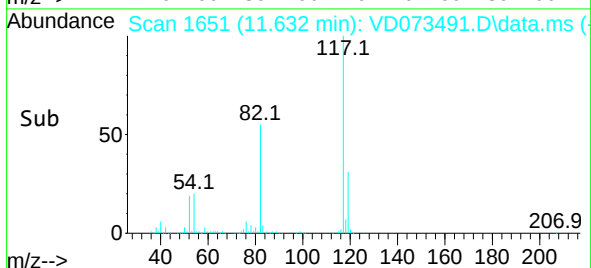
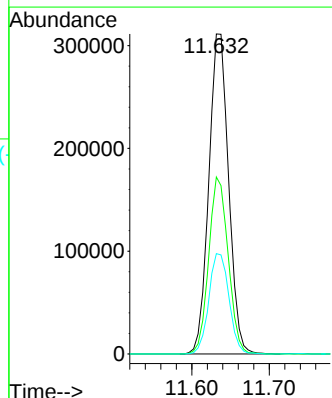
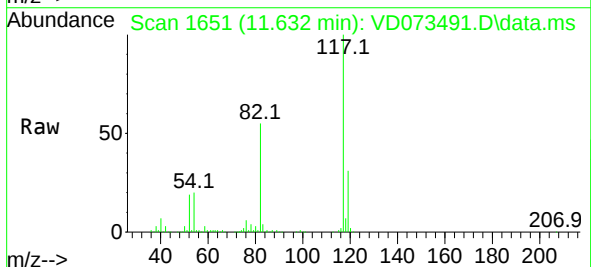
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

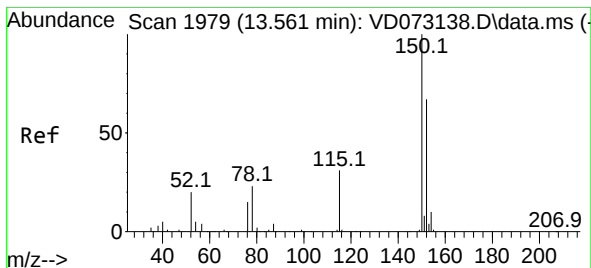
Tgt Ion: 95 Resp: 250215  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 152.8  
176 76.3 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.006 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

Tgt Ion: 117 Resp: 551328  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.3 67.9  
119 31.3 26.6 40.0

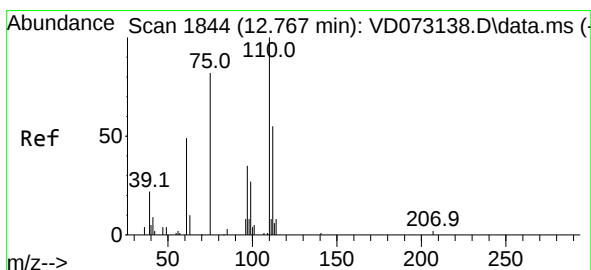
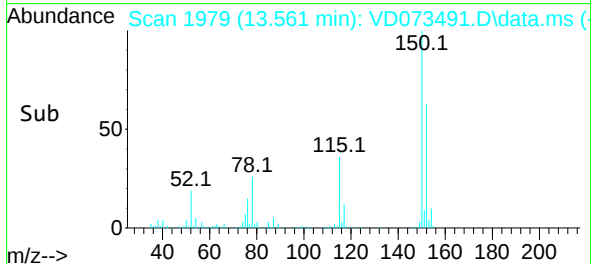
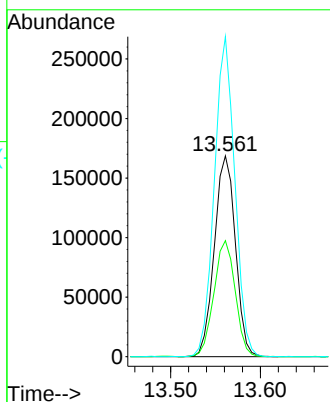
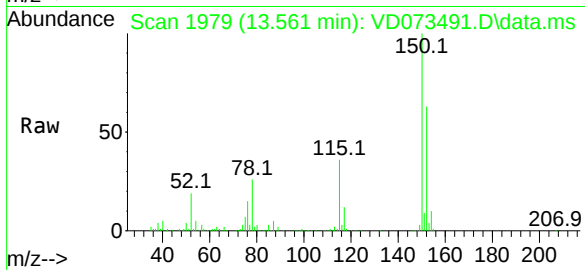




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

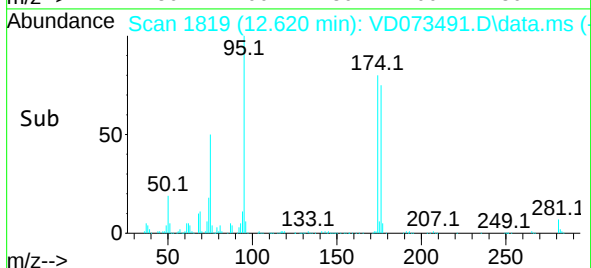
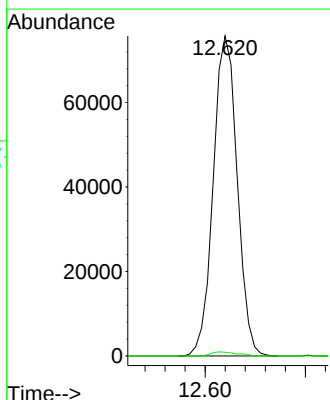
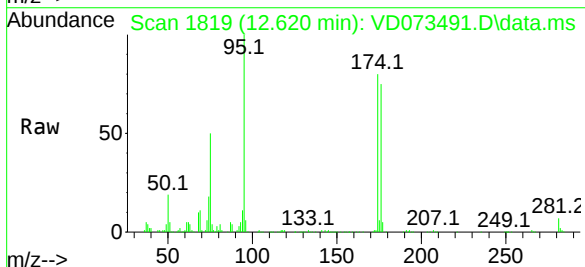
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

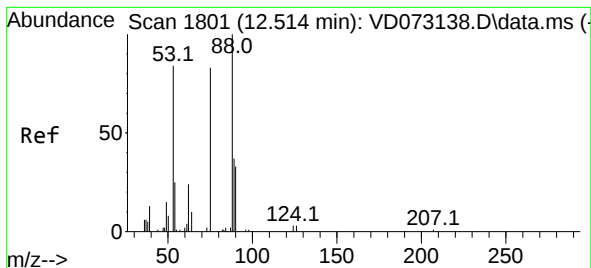
Tgt Ion:152 Resp: 274597  
Ion Ratio Lower Upper  
152 100  
115 58.6 31.3 93.8  
150 155.0 0.0 348.6



#76  
1,2,3-Trichloropropane  
Concen: 46.621 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

Tgt Ion: 75 Resp: 125610  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#

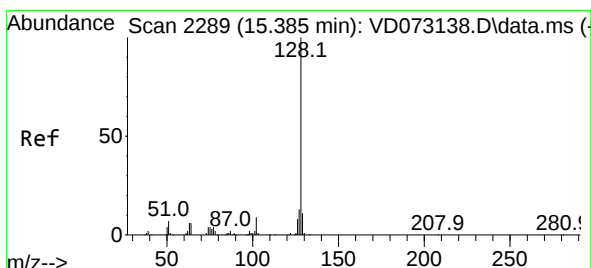
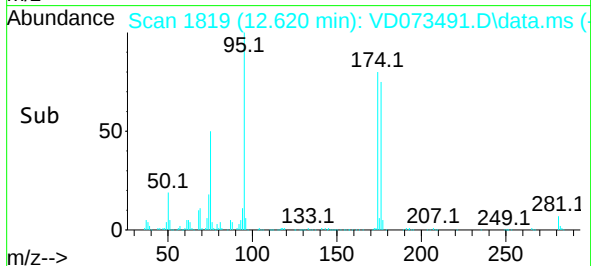
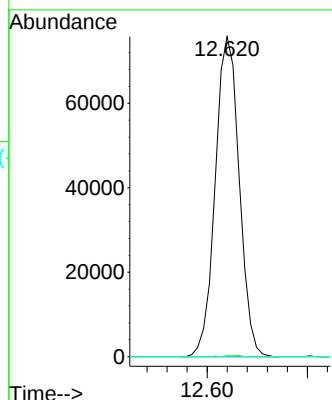
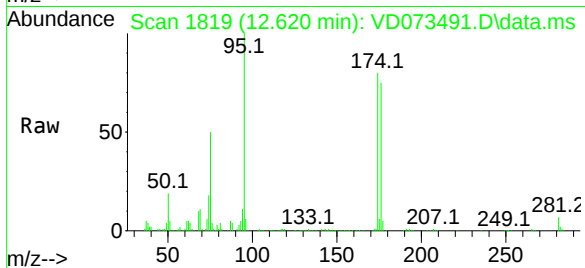




#81  
trans-1,4-Dichloro-2-butene  
Concen: 111.923 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0607SBL01

Tgt Ion: 75 Resp: 125610  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.0 33.9 50.9#



#95  
Naphthalene  
Concen: 3.828 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. -0.001 min  
Lab File: VD073491.D  
Acq: 07 Jun 2022 10:31

Tgt Ion: 128 Resp: 2767  
Ion Ratio Lower Upper  
128 100  
127 6.4 10.3 15.5#  
129 0.0 8.4 12.6#

