

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052622\  
 Data File : VD073389.D  
 Acq On : 26 May 2022 15:37  
 Operator : VA/SY  
 Sample : N3041-01  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 2147

Quant Time: May 27 01:31:48 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

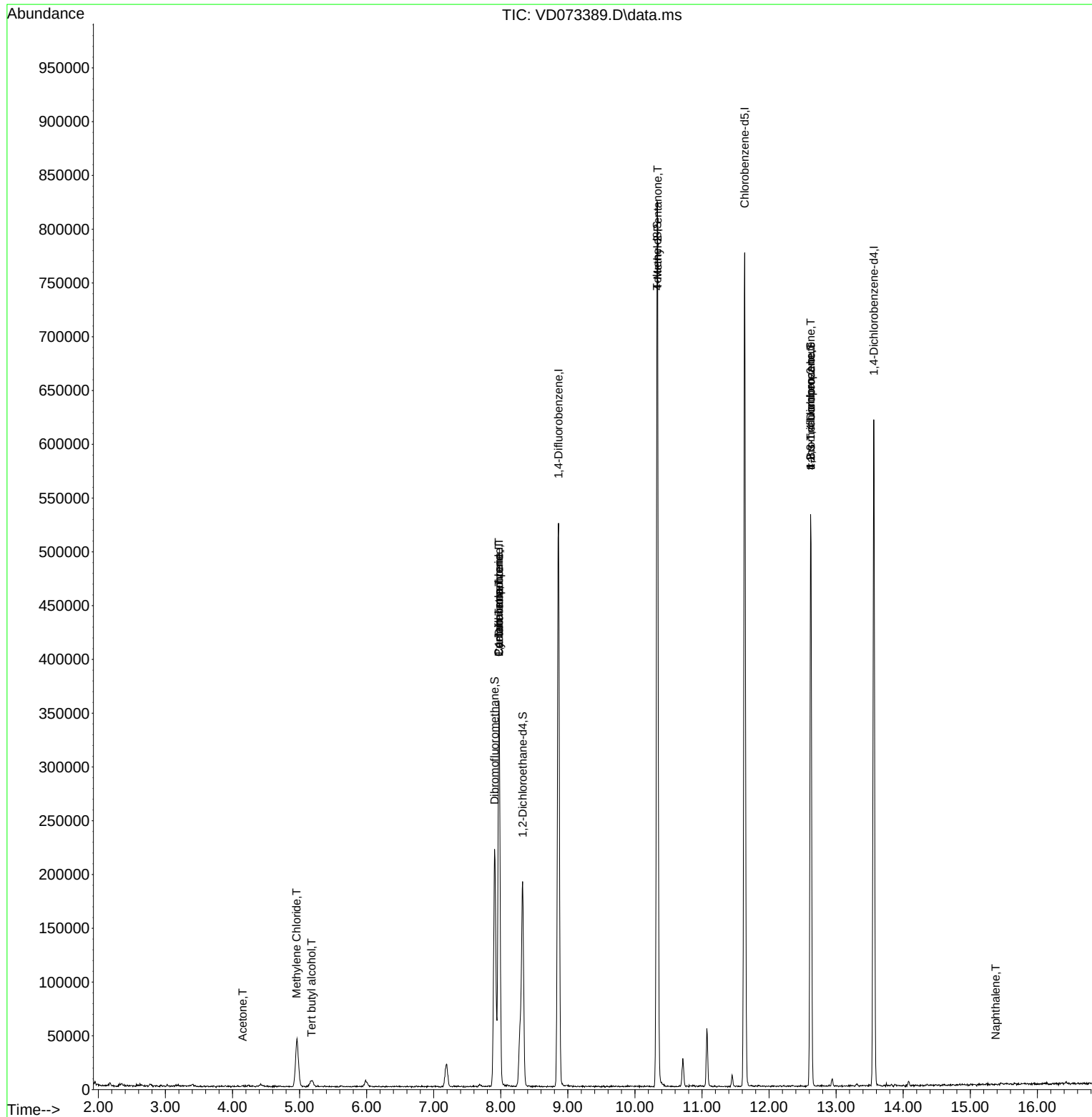
| Compound                      | R.T.   | QIon     | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|----------|----------|-----------|----------|----------|
| -----                         |        |          |          |           |          |          |
| Internal Standards            |        |          |          |           |          |          |
| 1) Pentafluorobenzene         | 7.973  | 168      | 253694   | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114      | 451822   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.637 | 117      | 456419   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152      | 166926   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |          |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65       | 143545   | 51.199    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range  | 50 - 163 | Recovery | =         | 102.400% |          |
| 35) Dibromofluoromethane      | 7.908  | 113      | 158735   | 53.241    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range  | 54 - 147 | Recovery | =         | 106.480% |          |
| 50) Toluene-d8                | 10.332 | 98       | 556889   | 50.671    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range  | 49 - 140 | Recovery | =         | 101.340% |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95       | 178914   | 46.388    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range  | 25 - 144 | Recovery | =         | 92.780%  |          |
| Target Compounds              |        |          |          |           |          |          |
|                               |        |          |          |           | Qvalue   |          |
| 5) Bromomethane               | 2.779  | 94       | 915      | Below Cal |          | 99       |
| 11) Tert butyl alcohol        | 5.179  | 59       | 6266     | 14.405    | ug/l #   | 74       |
| 16) Acetone                   | 4.150  | 43       | 726      | 1.495     | ug/l #   | 47       |
| 20) Methylene Chloride        | 4.955  | 84       | 33802    | 7.587     | ug/l #   | 76       |
| 31) Cyclohexane               | 7.973  | 56       | 6059     | 1.237     | ug/l #   | 1        |
| 36) 1,1-Dichloropropene       | 7.973  | 75       | 22615    | 5.043     | ug/l #   | 52       |
| 38) Carbon Tetrachloride      | 7.973  | 117      | 26827    | 5.902     | ug/l #   | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.337 | 43       | 2567     | 1.510     | ug/l #   | 1        |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75       | 88326    | 53.929    | ug/l #   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75       | 88326    | 129.466   | ug/l #   | 7        |
| 95) Naphthalene               | 15.378 | 128      | 181      | 3.572     | ug/l #   | 70       |
| -----                         |        |          |          |           |          |          |

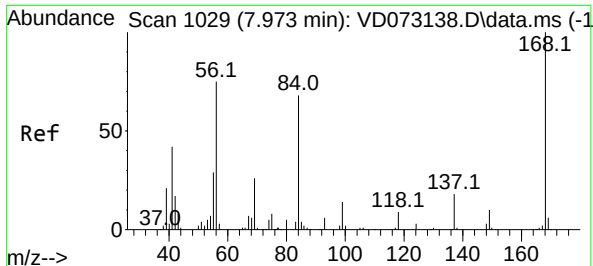
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052622\  
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Sample : N3041-01  
Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
2147

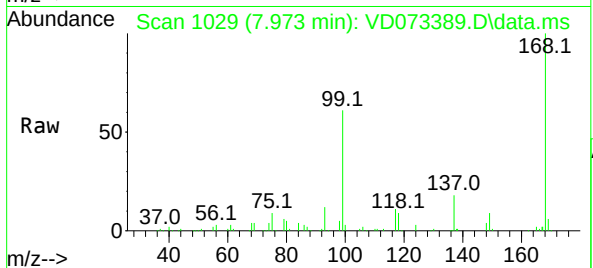
Quant Time: May 27 01:31:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration



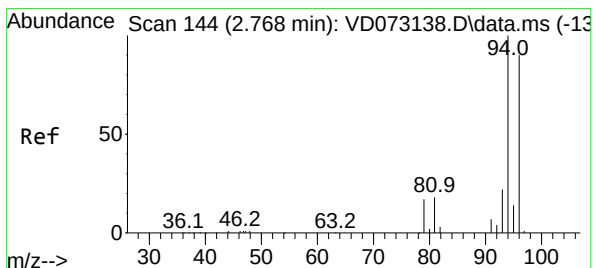
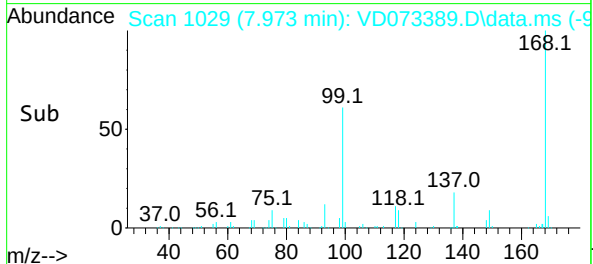
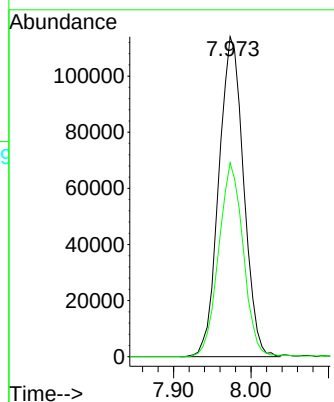


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.000 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
2147

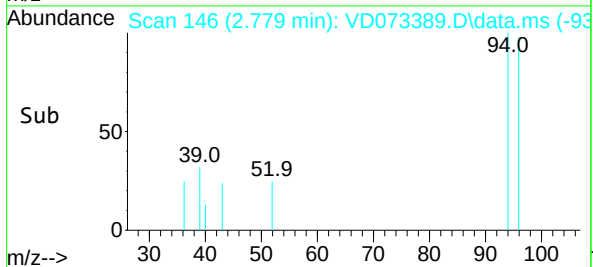
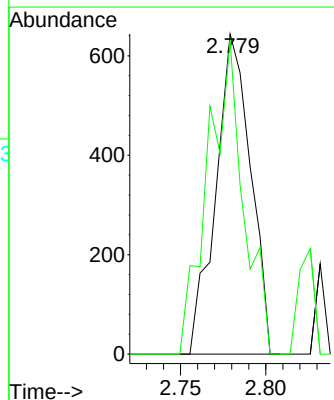
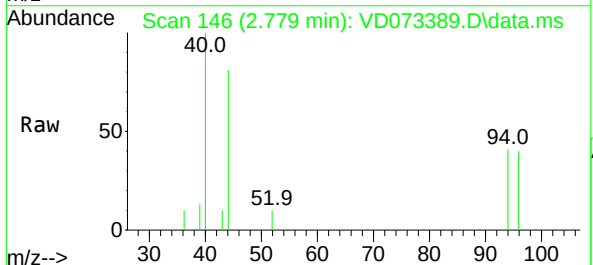


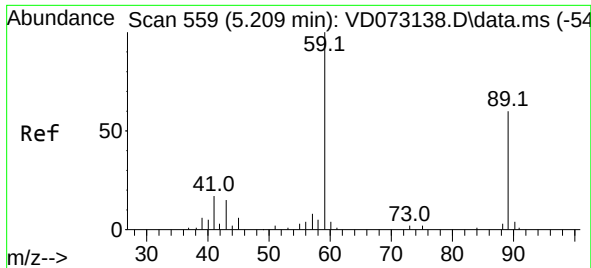
Tgt Ion:168 Resp: 253694  
Ion Ratio Lower Upper  
168 100  
99 60.6 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.779 min Scan# 146  
Delta R.T. 0.011 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

Tgt Ion: 94 Resp: 915  
Ion Ratio Lower Upper  
94 100  
96 98.0 77.6 116.4

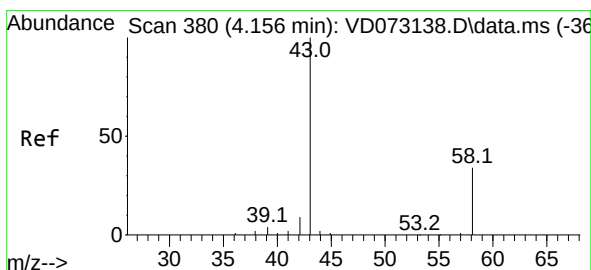
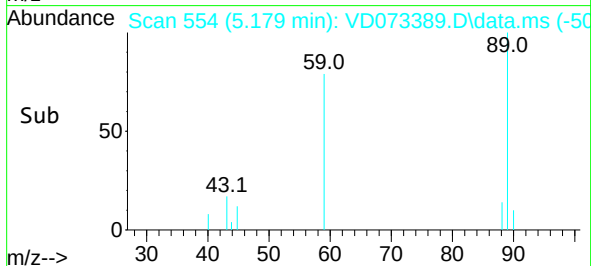
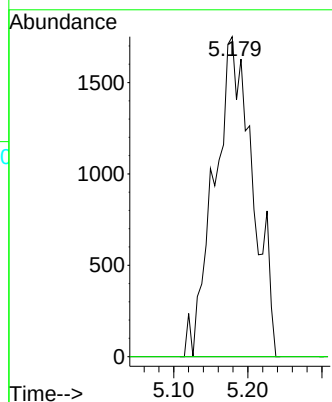
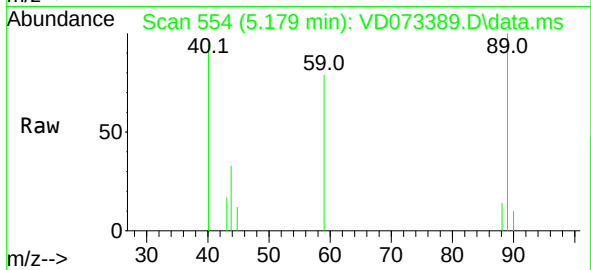




#11  
Tert butyl alcohol  
Concen: 14.405 ug/l  
RT: 5.179 min Scan# 51  
Delta R.T. -0.030 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

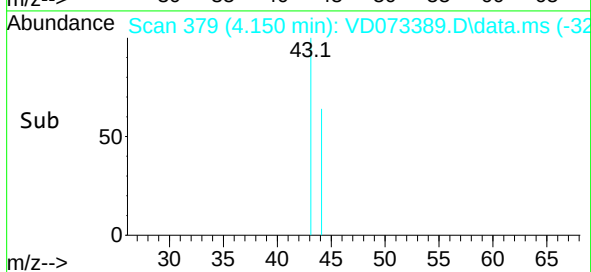
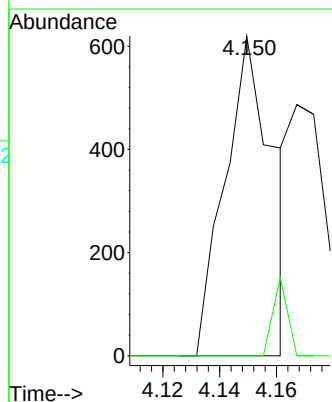
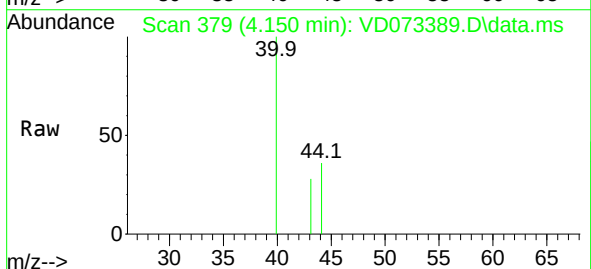
Instrument :  
MSVOA\_D  
ClientSampleId :  
2147

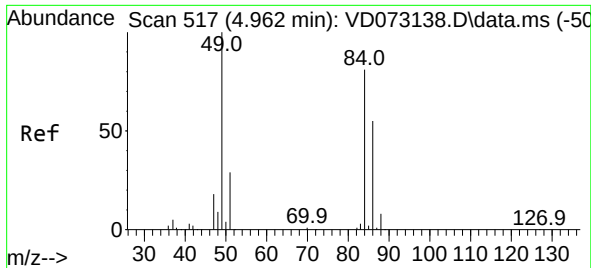
Tgt Ion: 59 Resp: 6266  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#16  
Acetone  
Concen: 1.495 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

Tgt Ion: 43 Resp: 726  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.1 33.1#

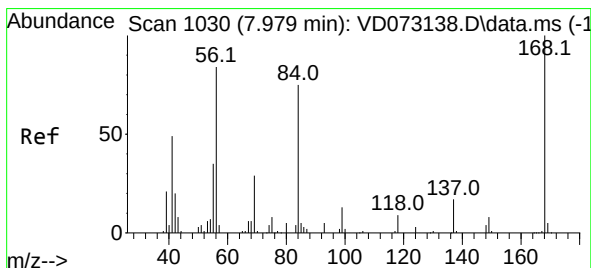
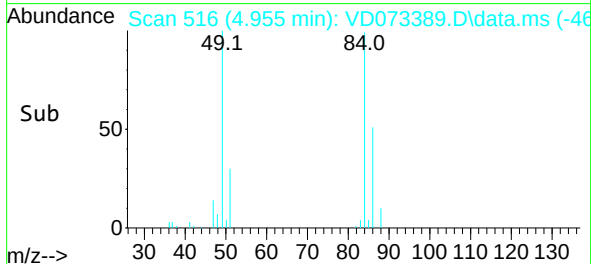
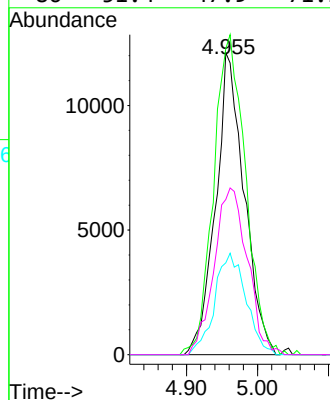
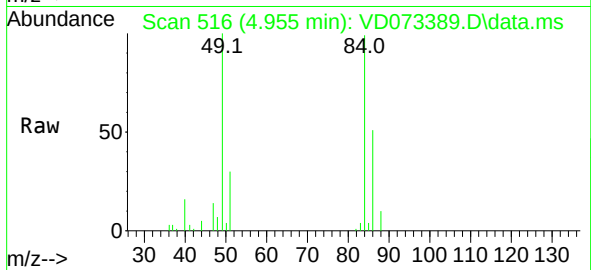




#20  
Methylene Chloride  
Concen: 7.587 ug/l  
RT: 4.955 min Scan# 517  
Delta R.T. -0.007 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

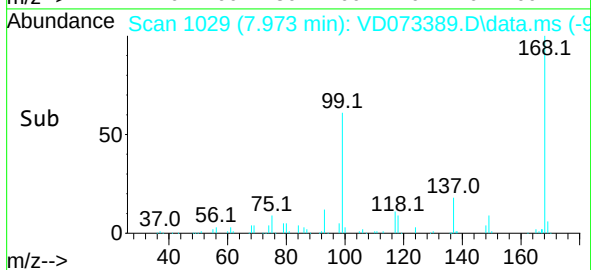
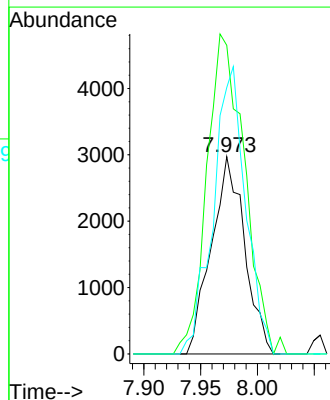
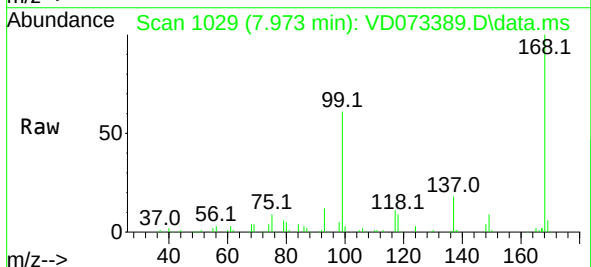
Instrument :  
MSVOA\_D  
ClientSampleId :  
2147

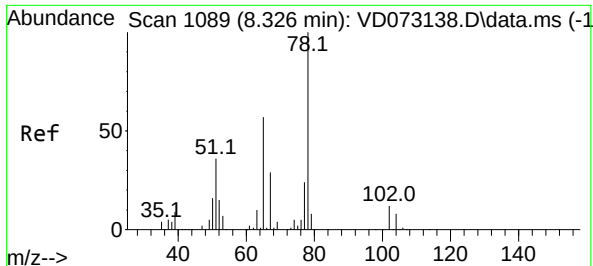
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 33802  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 101.4 | 112.8 | 169.2# |
| 51       | 30.4  | 32.6  | 48.8#  |
| 86       | 51.4  | 47.9  | 71.9   |



#31  
Cyclohexane  
Concen: 1.237 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 6059  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 150.8 | 25.4  | 38.2# |
| 84       | 135.0 | 63.0  | 94.4# |





#33

1,2-Dichloroethane-d4

Concen: 51.199 ug/l

RT: 8.326 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD073389.D

Acq: 26 May 2022 15:37

Instrument :

MSVOA\_D

ClientSampleId :

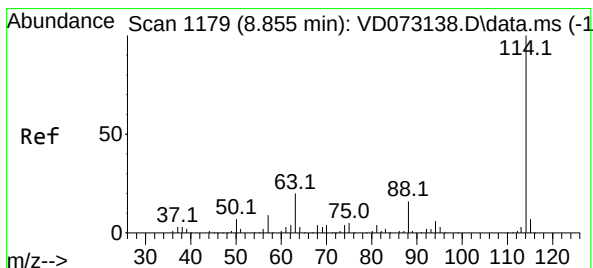
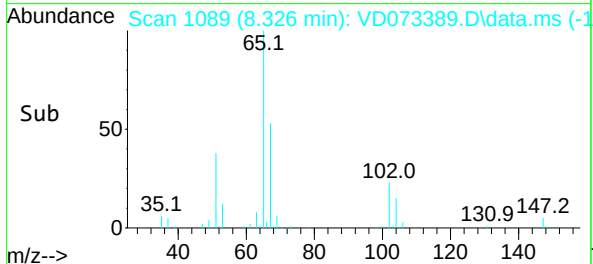
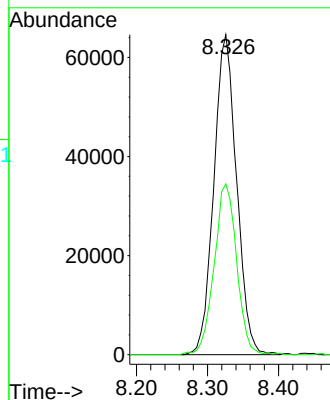
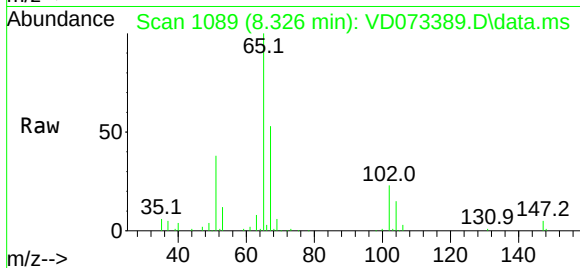
2147

Tgt Ion: 65 Resp: 143545

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073389.D

Acq: 26 May 2022 15:37

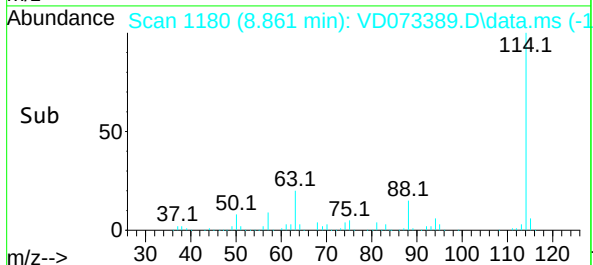
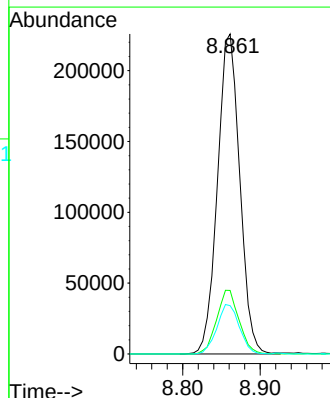
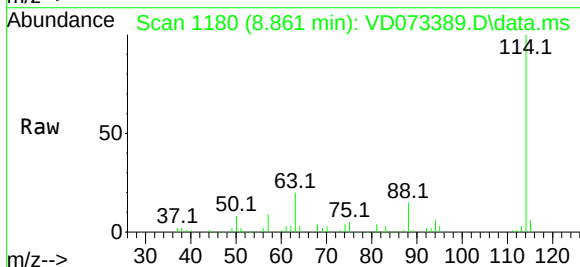
Tgt Ion: 114 Resp: 451822

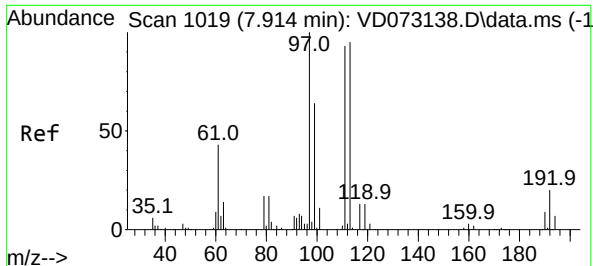
Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.241 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073389.D

Acq: 26 May 2022 15:37

Instrument :

MSVOA\_D

ClientSampleId :

2147

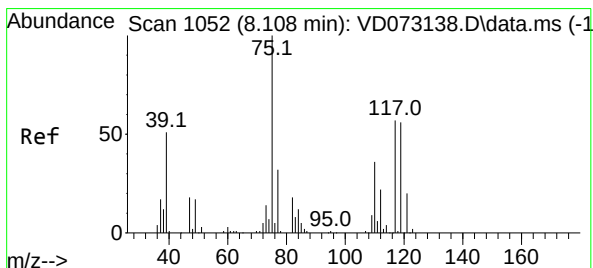
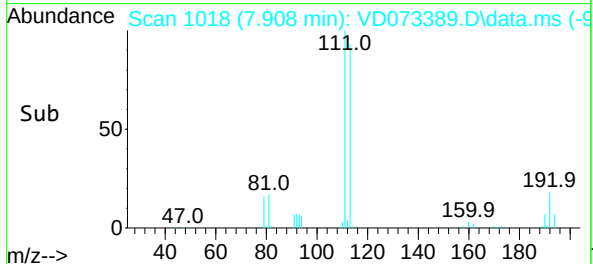
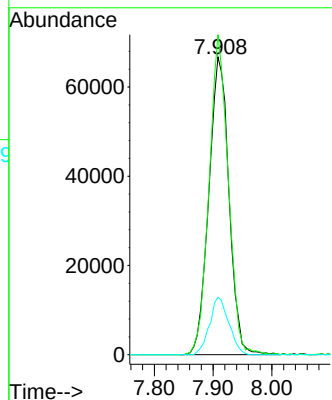
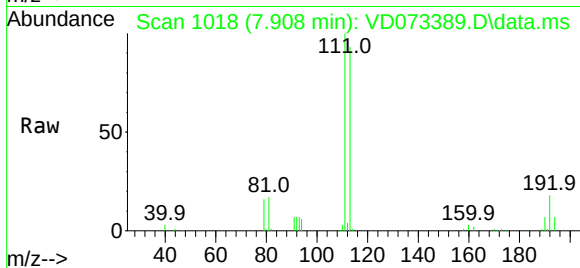
Tgt Ion:113 Resp: 158735

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.043 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073389.D

Acq: 26 May 2022 15:37

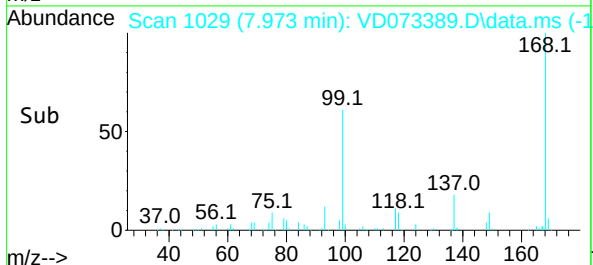
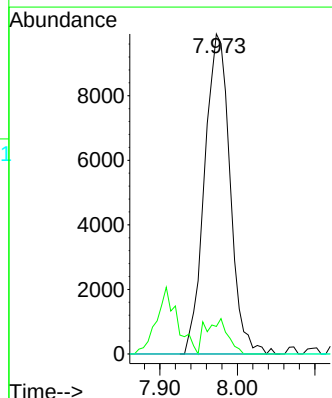
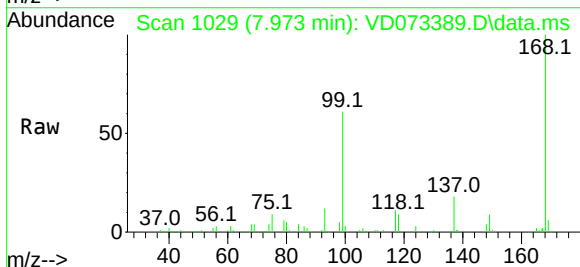
Tgt Ion: 75 Resp: 22615

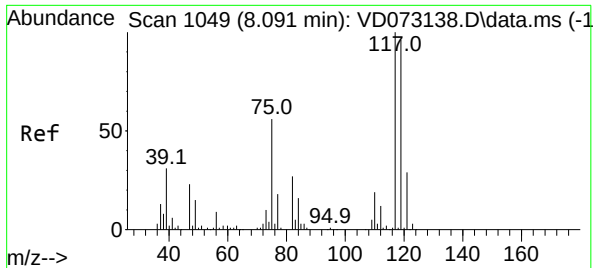
Ion Ratio Lower Upper

75 100

110 9.5 16.4 49.1#

77 0.0 24.2 36.2#

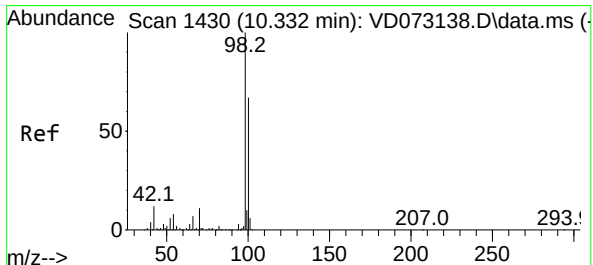
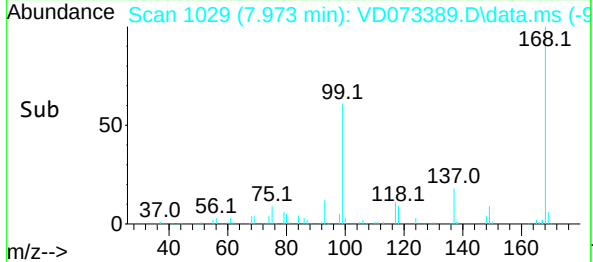
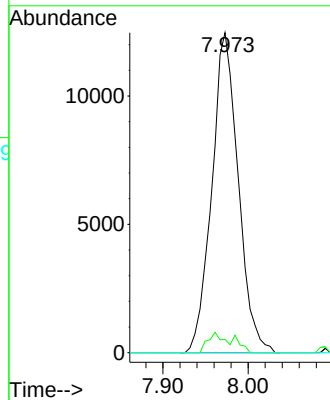
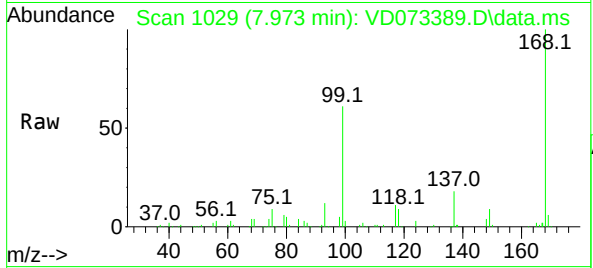




#38  
Carbon Tetrachloride  
Concen: 5.902 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.118 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

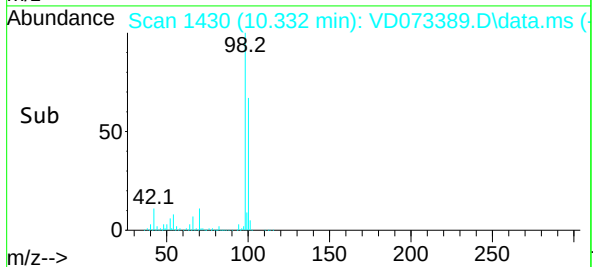
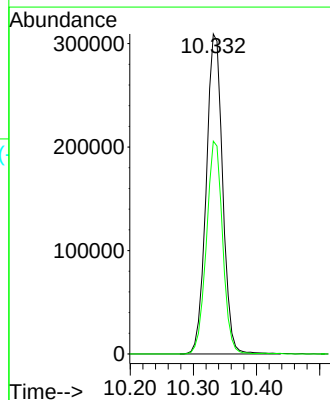
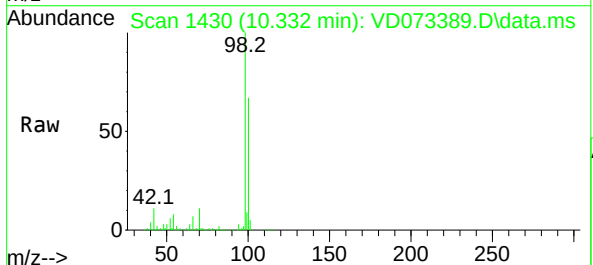
Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion:117 Resp: 26827  
Ion Ratio Lower Upper  
117 100  
119 4.1 75.8 113.6#  
121 0.0 24.5 36.7#

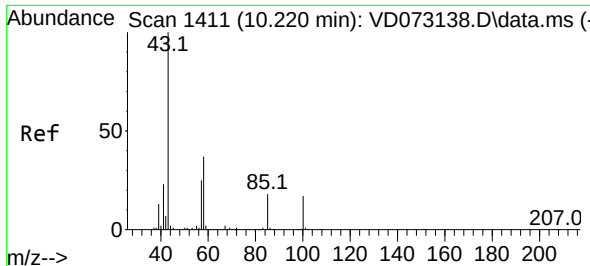


#50  
Toluene-d8  
Concen: 50.671 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

Tgt Ion: 98 Resp: 556889  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6



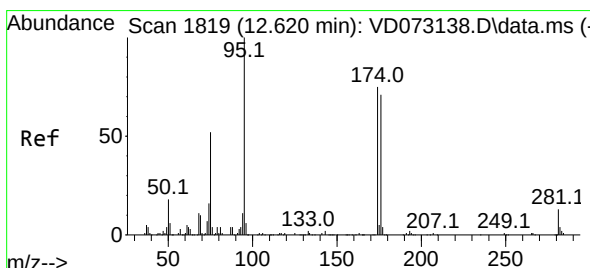
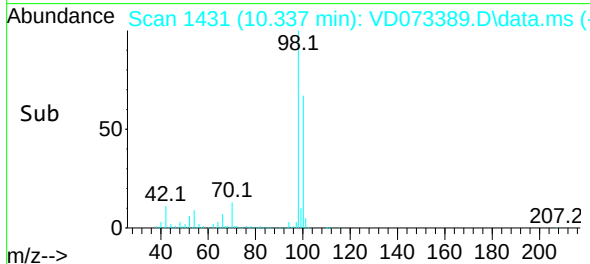
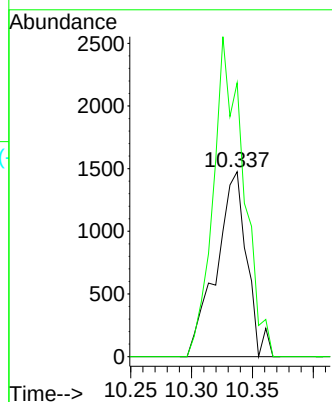
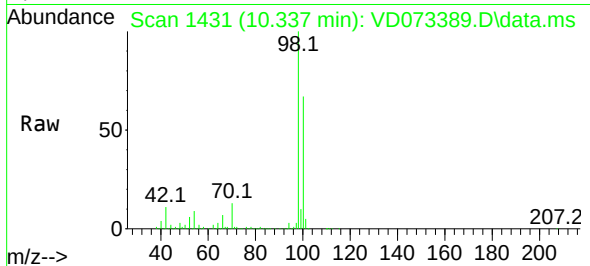




#51  
4-Methyl-2-Pentanone  
Concen: 1.510 ug/l  
RT: 10.337 min Scan# 1411  
Delta R.T. 0.117 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

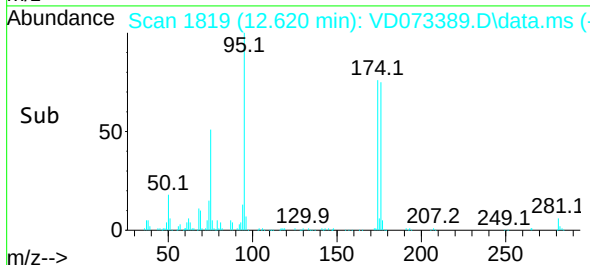
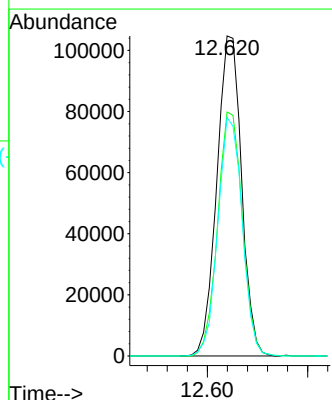
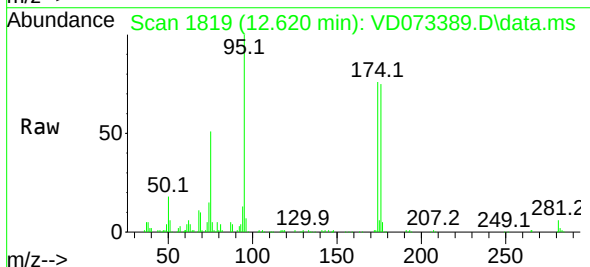
Instrument :  
MSVOA\_D  
ClientSampleId :  
2147

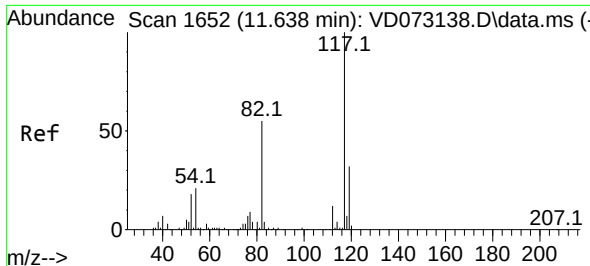
Tgt Ion: 43 Resp: 2567  
Ion Ratio Lower Upper  
43 100  
58 171.2 28.6 43.0#



#62  
4-Bromofluorobenzene  
Concen: 46.388 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

Tgt Ion: 95 Resp: 178914  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 152.8  
176 73.2 0.0 145.4

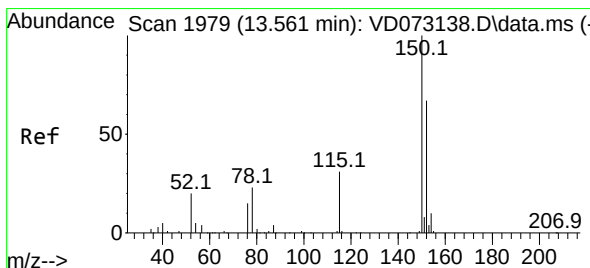
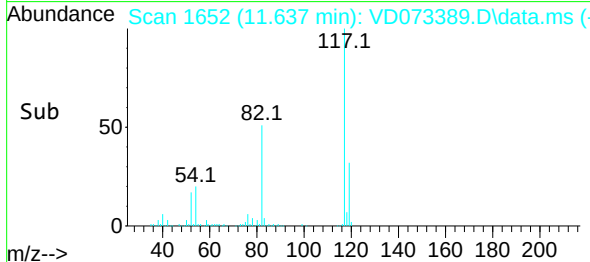
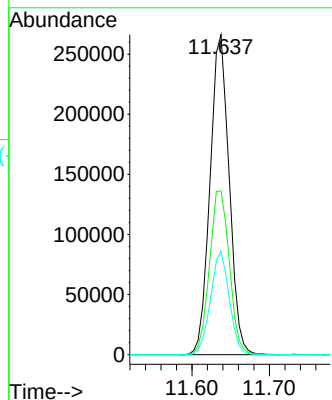
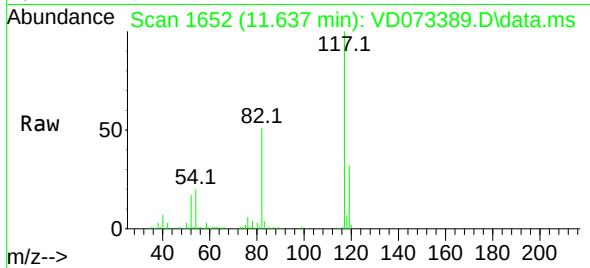




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

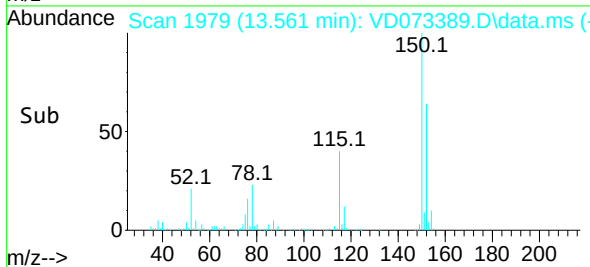
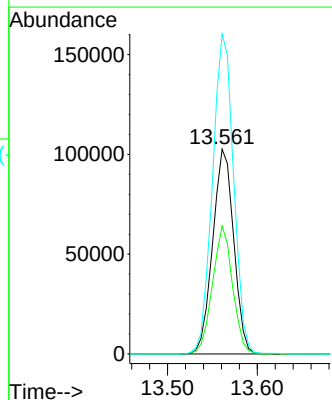
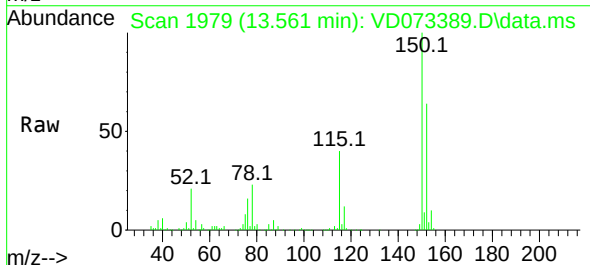
Instrument :  
MSVOA\_D  
ClientSampleId :  
2147

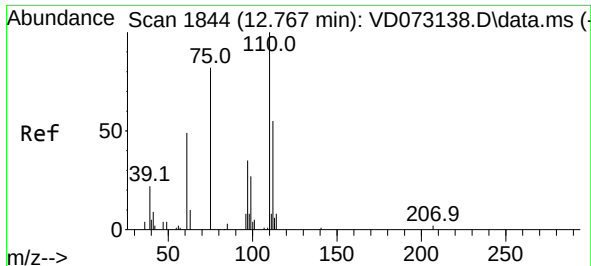
Tgt Ion:117 Resp: 456419  
Ion Ratio Lower Upper  
117 100  
82 51.2 45.3 67.9  
119 32.3 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

Tgt Ion:152 Resp: 166926  
Ion Ratio Lower Upper  
152 100  
115 59.6 31.3 93.8  
150 156.7 0.0 348.6

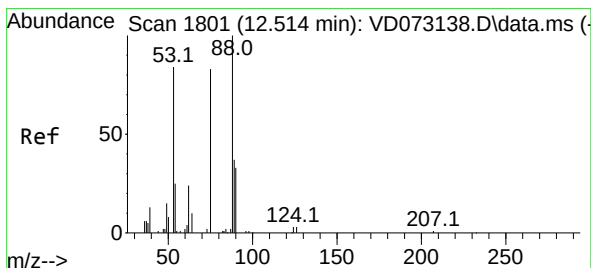
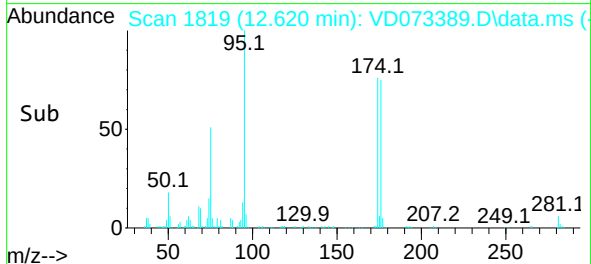
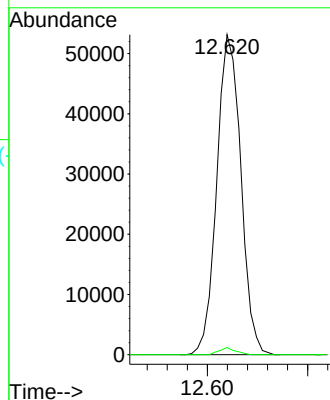
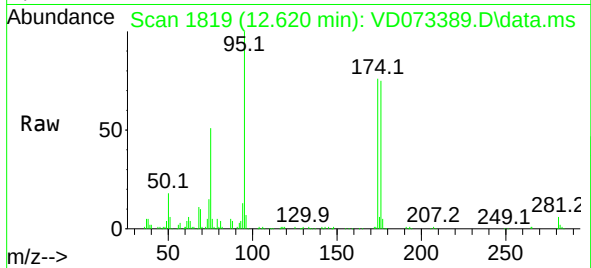




#76  
1,2,3-Trichloropropane  
Concen: 53.929 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

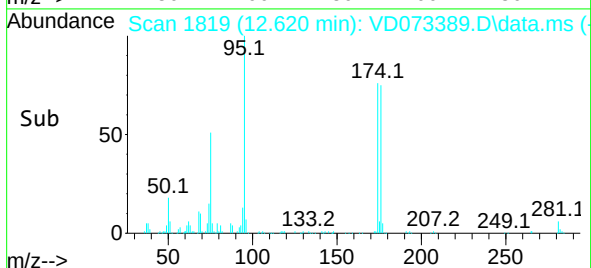
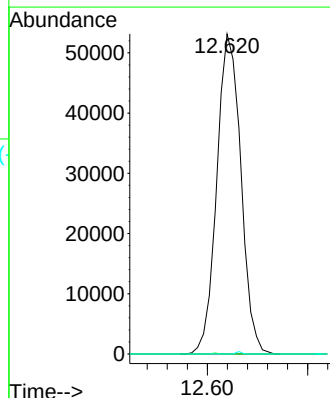
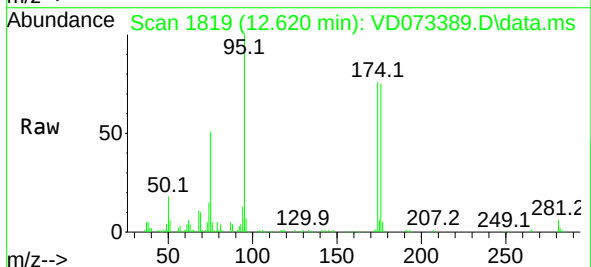
Instrument :  
MSVOA\_D  
ClientSampleId :  
2147

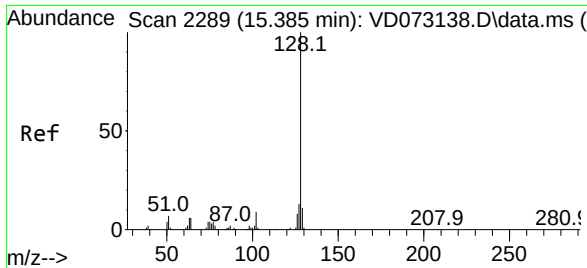
Tgt Ion: 75 Resp: 88326  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.466 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

Tgt Ion: 75 Resp: 88326  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.2 33.9 50.9#





#95  
Naphthalene  
Concen: 3.572 ug/l  
RT: 15.378 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: VD073389.D  
Acq: 26 May 2022 15:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
2147

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 181   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.3  | 15.5# |
| 129      | 0.0   | 8.4   | 12.6# |

