

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051822\  
 Data File : VD073109.D  
 Acq On : 18 May 2022 20:06  
 Operator : VA/SY  
 Sample : N2832-10  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB11

Quant Time: May 19 04:47:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 04:58:34 2022  
 Response via : Initial Calibration

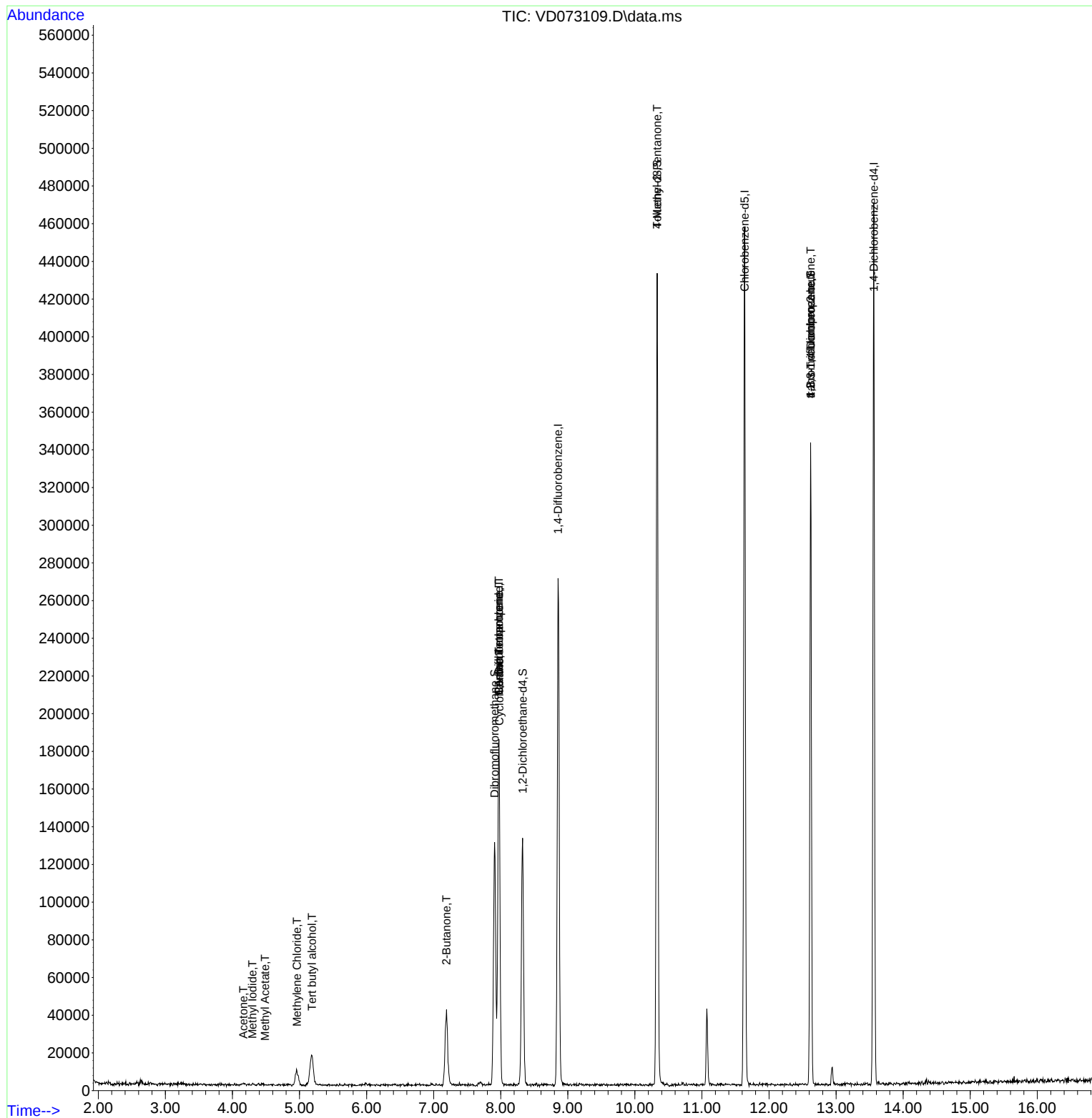
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 127780   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.856  | 114   | 230719   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 264014   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 119514   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 105121   | 65.783   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 131.560% |          |
| 35) Dibromofluoromethane      | 7.909  | 113   | 94615    | 58.408   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 116.820% |          |
| 50) Toluene-d8                | 10.332 | 98    | 288844   | 49.151   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 98.300%  |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 111407   | 52.340   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 104.680% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 10) Methyl Iodide             | 4.297  | 142   | 353      | 4.449    | ug/l #     | 59       |
| 11) Tert butyl alcohol        | 5.185  | 59    | 15306    | 61.925   | ug/l #     | 74       |
| 16) Acetone                   | 4.162  | 43    | 893      | 3.088    | ug/l #     | 48       |
| 18) Methyl Acetate            | 4.485  | 43    | 77       | 1.545    | ug/l #     | 55       |
| 20) Methylene Chloride        | 4.962  | 84    | 6373     | 3.036    | ug/l #     | 74       |
| 25) 2-Butanone                | 7.191  | 43    | 1609     | 3.674    | ug/l #     | 52       |
| 31) Cyclohexane               | 7.979  | 56    | 3153     | 1.095    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.973  | 75    | 11287    | 4.276    | ug/l #     | 47       |
| 38) Carbon Tetrachloride      | 7.973  | 117   | 14420    | 5.340    | ug/l #     | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.332 | 43    | 1126     | 1.047    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 57813    | 42.792   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 57813    | 102.605  | ug/l #     | 7        |
| -----                         |        |       |          |          |            |          |

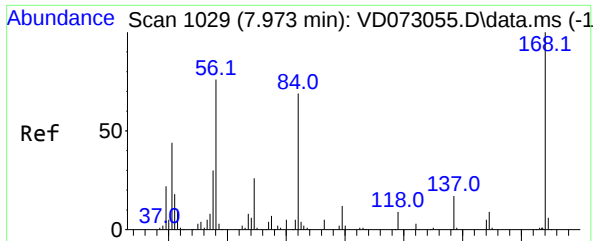
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051822\  
Data File : VD073109.D  
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Operator : VA/SY  
Sample : N2832-10  
Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB11

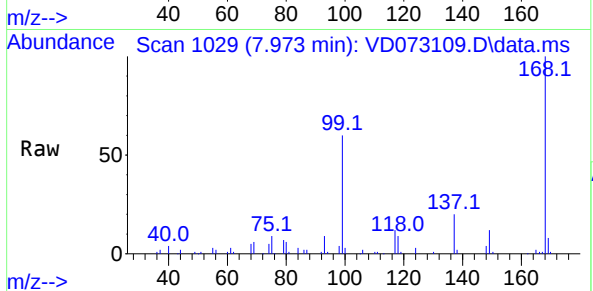
Quant Time: May 19 04:47:41 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 04:58:34 2022  
Response via : Initial Calibration



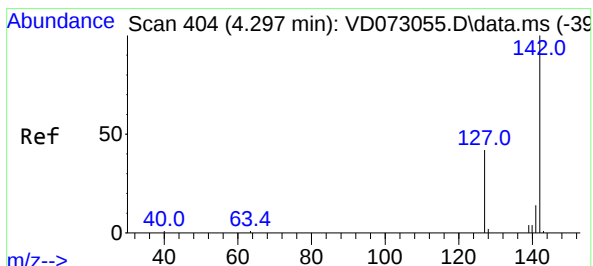
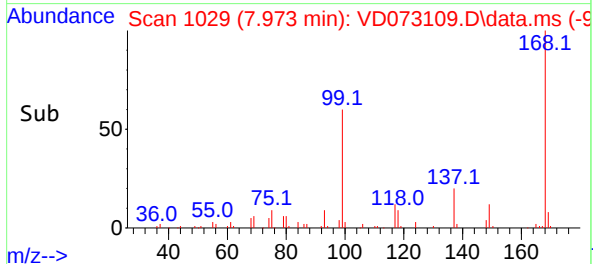
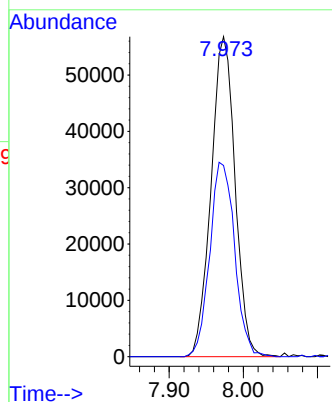


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB11

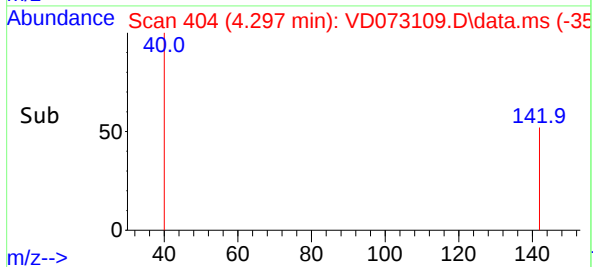
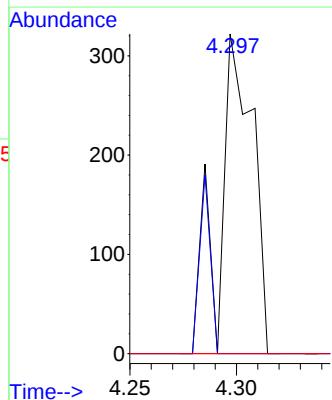
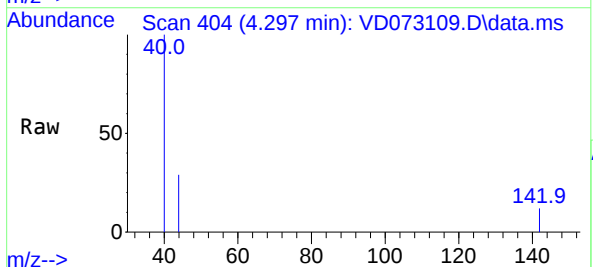


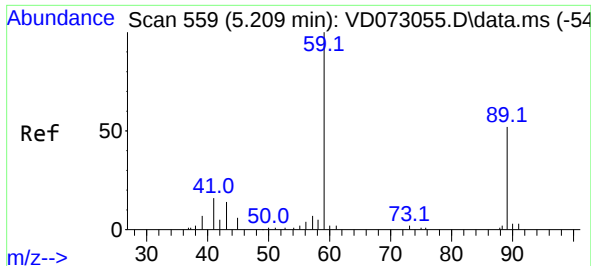
Tgt Ion:168 Resp: 127780  
Ion Ratio Lower Upper  
168 100  
99 59.8 49.8 74.6



#10  
Methyl Iodide  
Concen: 4.449 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. -0.000 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Tgt Ion:142 Resp: 353  
Ion Ratio Lower Upper  
142 100  
127 18.1 37.3 55.9#  
141 0.0 11.7 17.5#

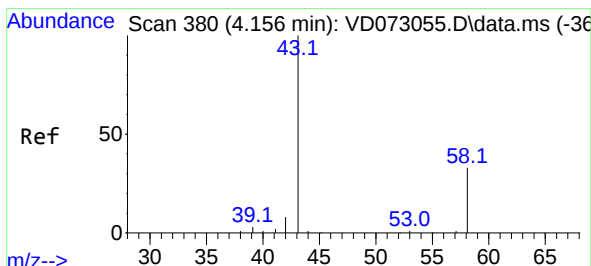
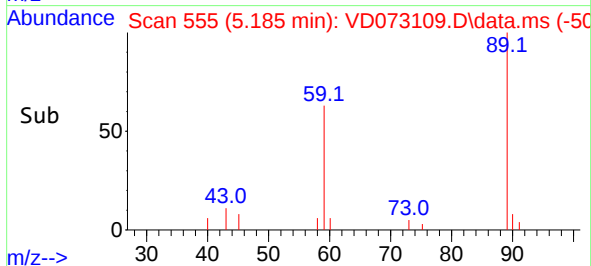
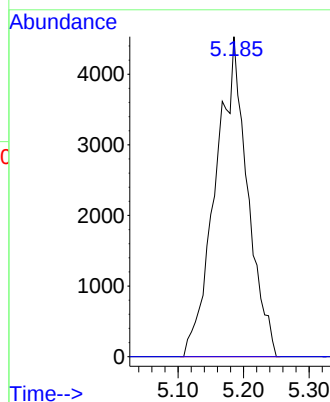
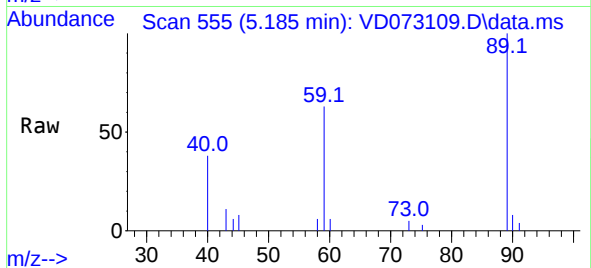




#11  
Tert butyl alcohol  
Concen: 61.925 ug/l  
RT: 5.185 min Scan# 51  
Delta R.T. -0.024 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

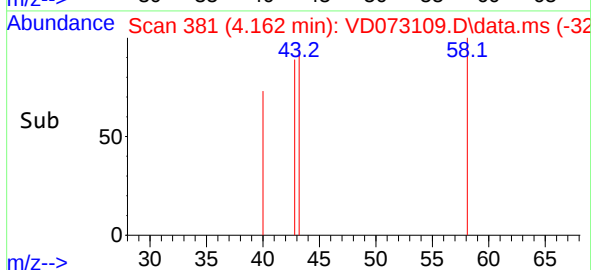
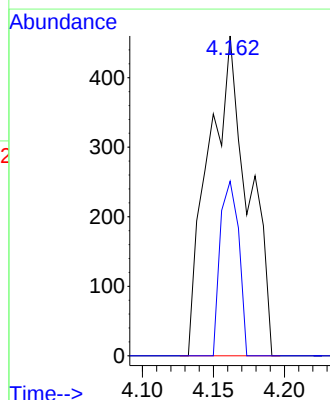
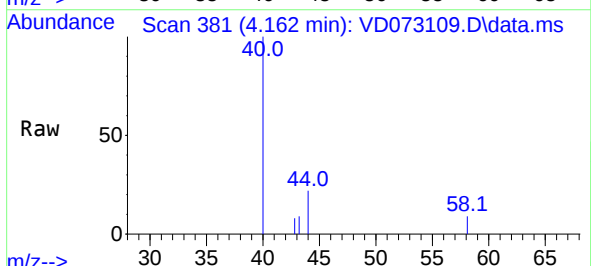
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB11

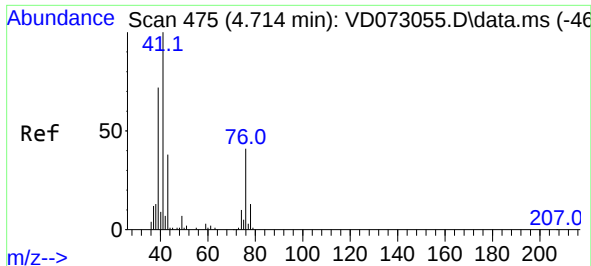
Tgt Ion: 59 Resp: 15306  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#16  
Acetone  
Concen: 3.088 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Tgt Ion: 43 Resp: 893  
Ion Ratio Lower Upper  
43 100  
58 54.6 22.1 33.1#





#18

Methyl Acetate

Concen: 1.545 ug/l

RT: 4.485 min Scan# 41

Delta R.T. -0.229 min

Lab File: VD073109.D

Acq: 18 May 2022 20:06

Instrument :

MSVOA\_D

ClientSampleId :

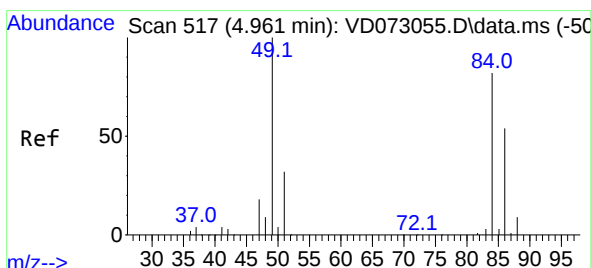
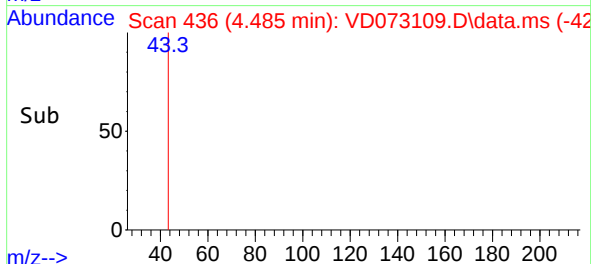
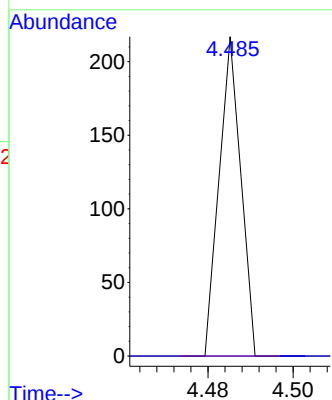
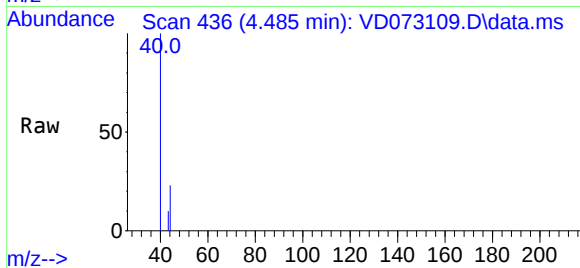
SB11

Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 3.036 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.000 min

Lab File: VD073109.D

Acq: 18 May 2022 20:06

Tgt Ion: 84 Resp: 6373

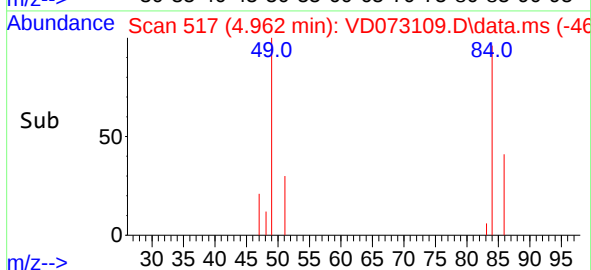
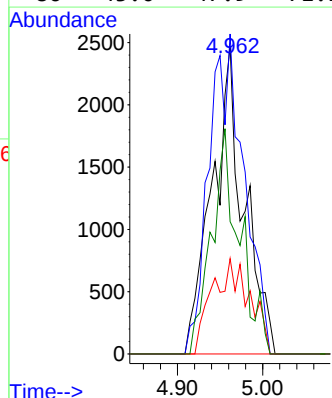
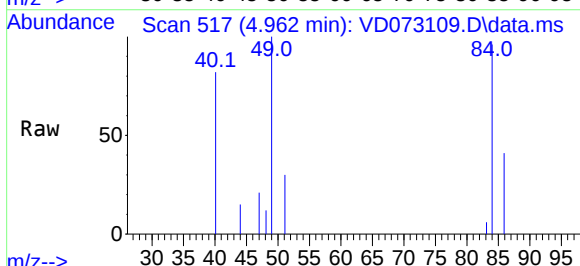
Ion Ratio Lower Upper

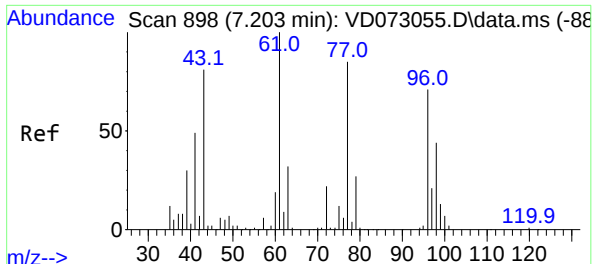
84 100

49 103.9 112.8 169.2#

51 31.0 32.6 48.8#

86 43.0 47.9 71.9#

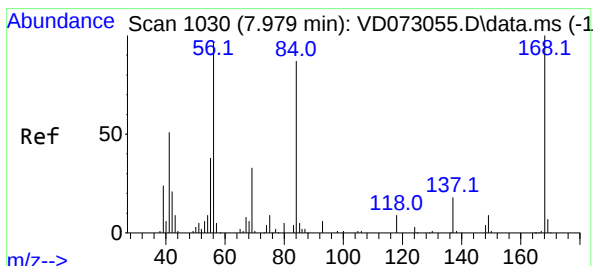
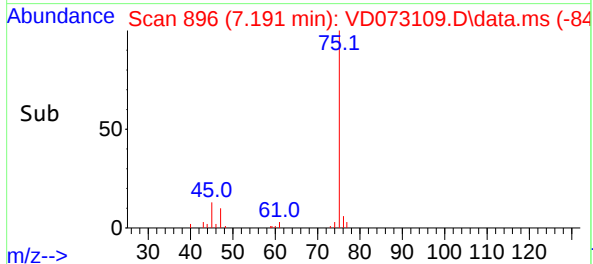
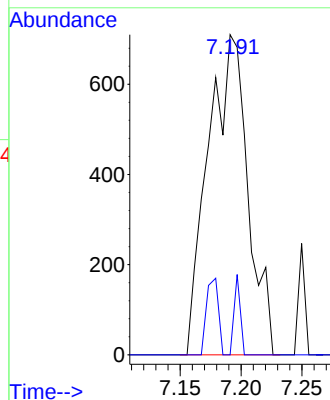
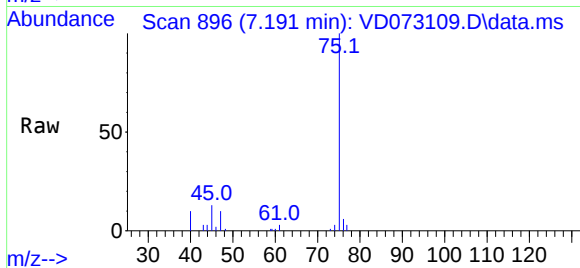




#25  
2-Butanone  
Concen: 3.674 ug/l  
RT: 7.191 min Scan# 896  
Delta R.T. -0.012 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

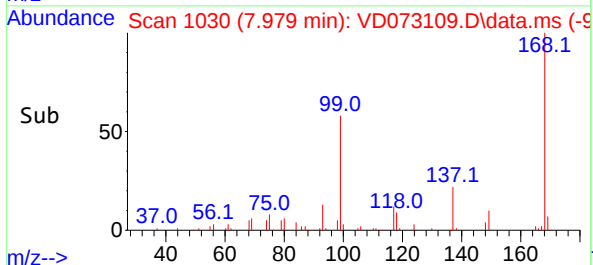
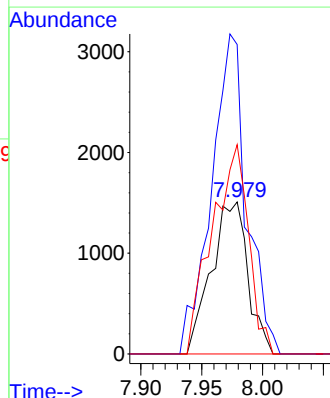
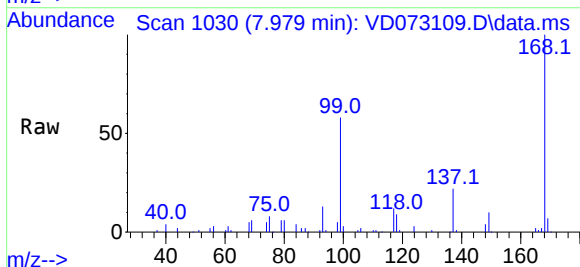
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB11

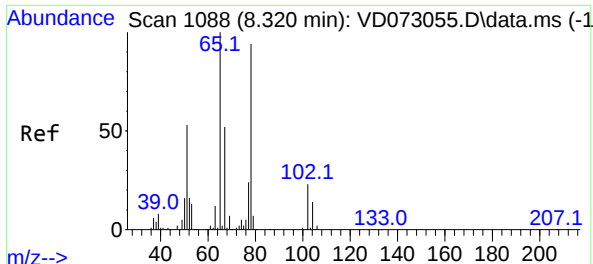
Tgt Ion: 43 Resp: 1609  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.6 27.8#



#31  
Cyclohexane  
Concen: 1.095 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Tgt Ion: 56 Resp: 3153  
Ion Ratio Lower Upper  
56 100  
69 203.5 25.4 38.2#  
84 137.6 63.0 94.4#

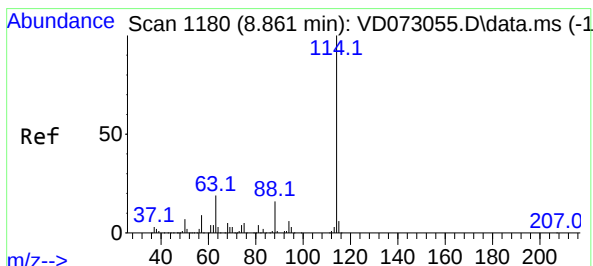
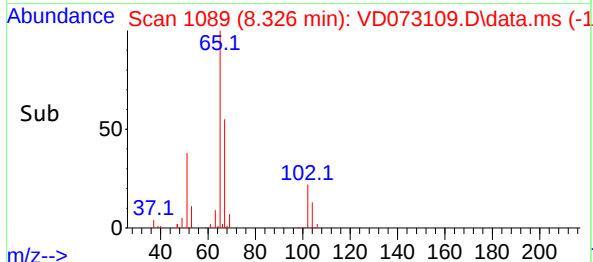
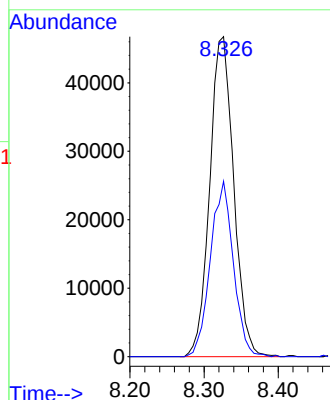
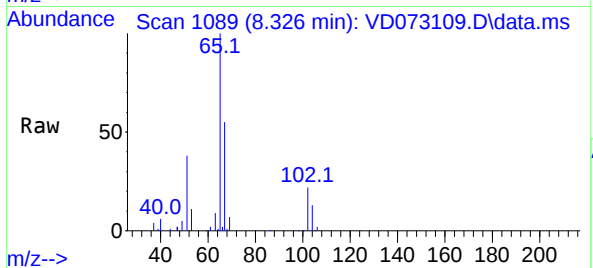




#33  
 1,2-Dichloroethane-d4  
 Concen: 65.783 ug/l  
 RT: 8.326 min Scan# 1107  
 Delta R.T. 0.006 min  
 Lab File: VD073109.D  
 Acq: 18 May 2022 20:06

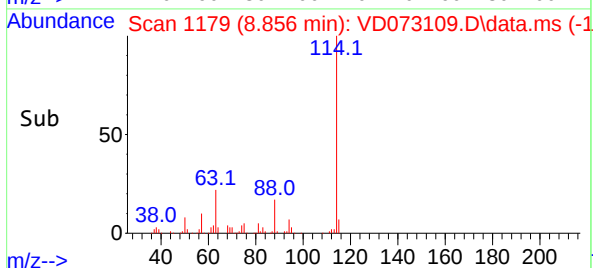
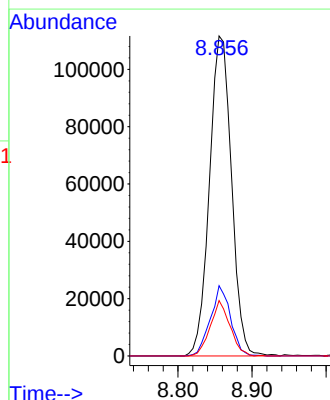
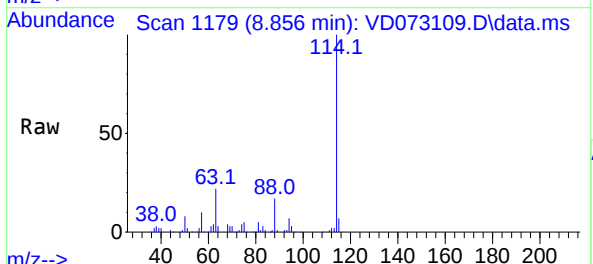
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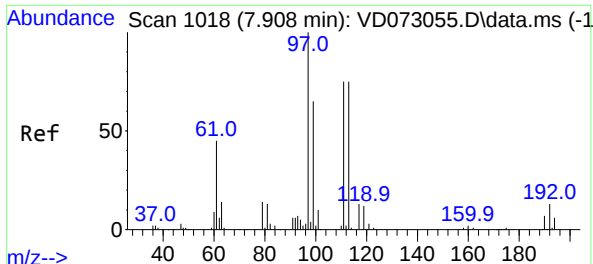
Tgt Ion: 65 Resp: 105121  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 101.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.856 min Scan# 1179  
 Delta R.T. -0.006 min  
 Lab File: VD073109.D  
 Acq: 18 May 2022 20:06

Tgt Ion: 114 Resp: 230719  
 Ion Ratio Lower Upper  
 114 100  
 63 22.0 0.0 46.6  
 88 17.3 0.0 33.2

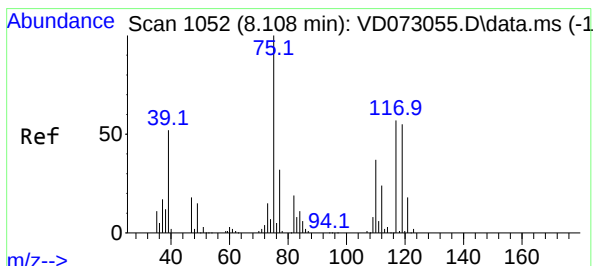
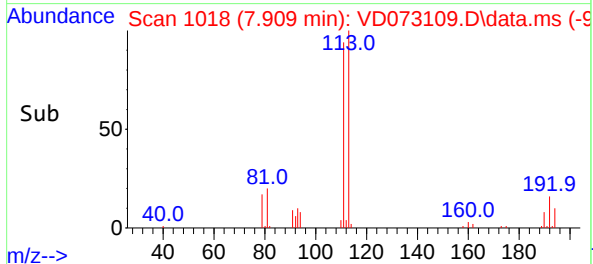
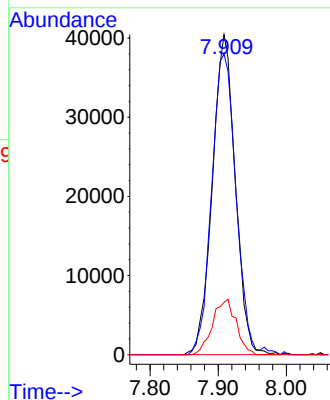
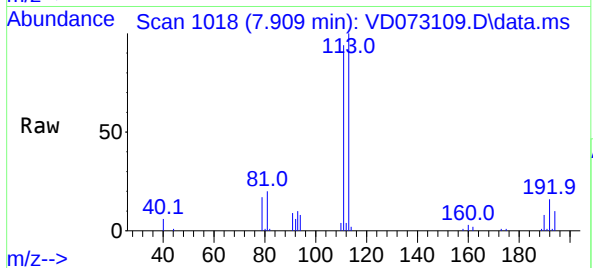




#35  
Dibromofluoromethane  
Concen: 58.408 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

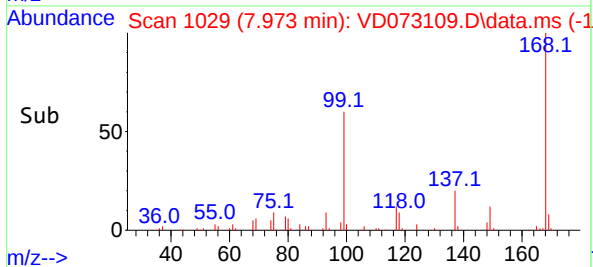
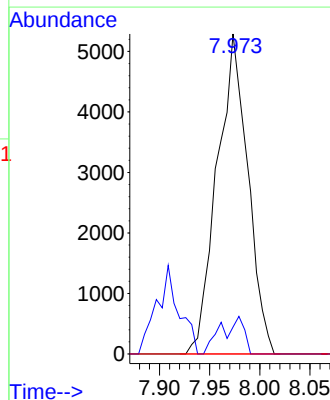
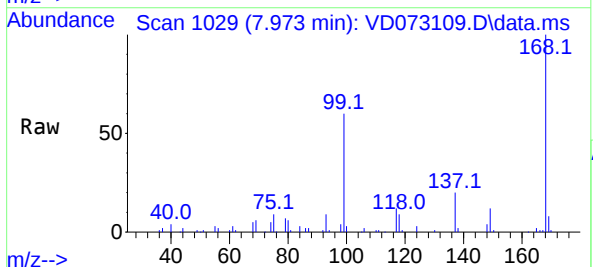
Instrument :  
MSVOA\_D  
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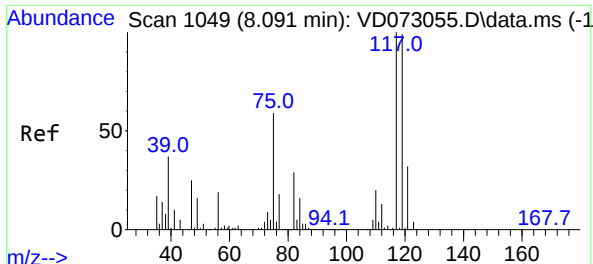
Tgt Ion:113 Resp: 94615  
Ion Ratio Lower Upper  
113 100  
111 98.9 83.8 125.6  
192 17.8 14.6 21.8



#36  
1,1-Dichloropropene  
Concen: 4.276 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.135 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

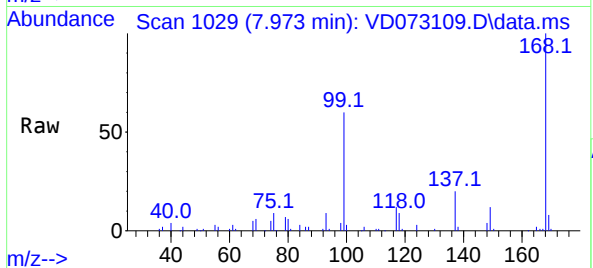
Tgt Ion: 75 Resp: 11287  
Ion Ratio Lower Upper  
75 100  
110 4.6 16.4 49.1#  
77 0.0 24.2 36.2#



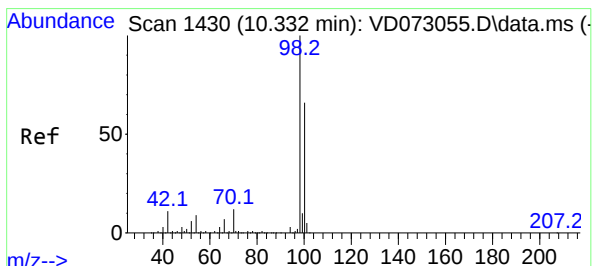
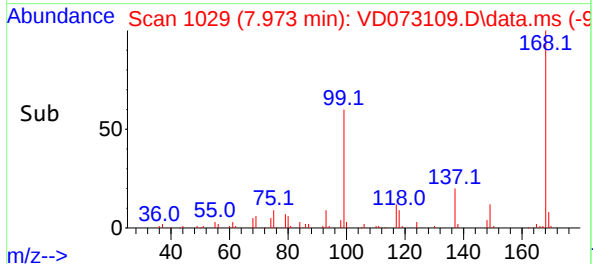
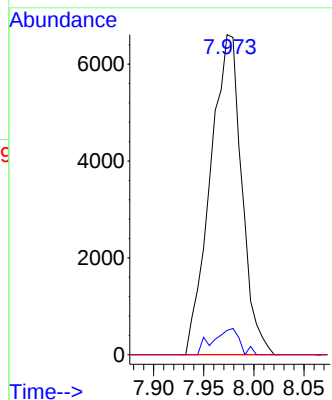


#38  
Carbon Tetrachloride  
Concen: 5.340 ug/l  
RT: 7.973 min Scan# 1049  
Delta R.T. -0.117 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB11

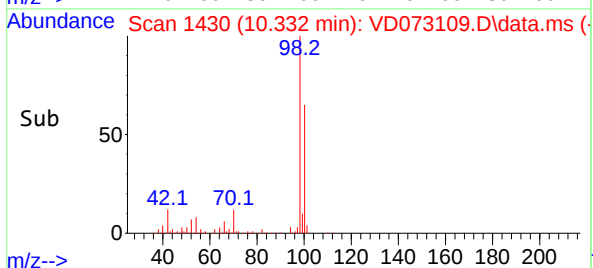
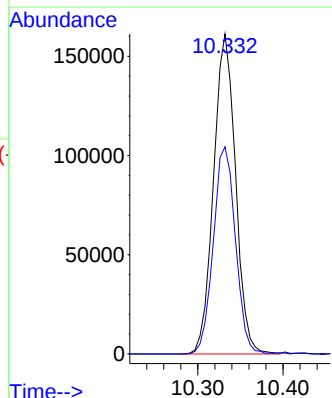
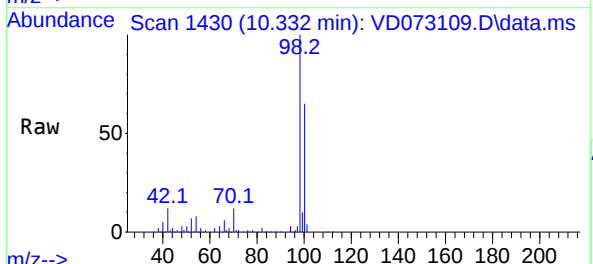


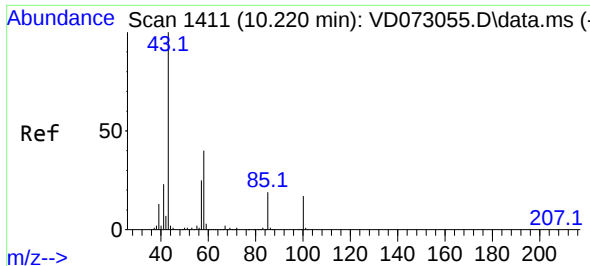
Tgt Ion:117 Resp: 14420  
Ion Ratio Lower Upper  
117 100  
119 7.6 75.8 113.6#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 49.151 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Tgt Ion: 98 Resp: 288844  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.047 ug/l

RT: 10.332 min Scan# 1411

Delta R.T. 0.112 min

Lab File: VD073109.D

Acq: 18 May 2022 20:06

Instrument :

MSVOA\_D

ClientSampleId :

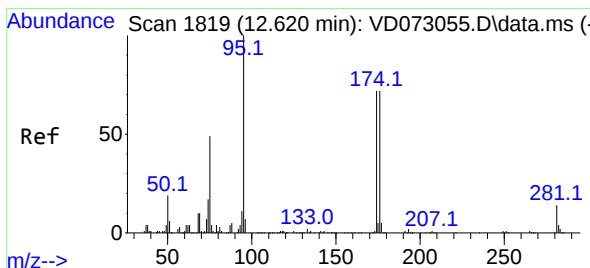
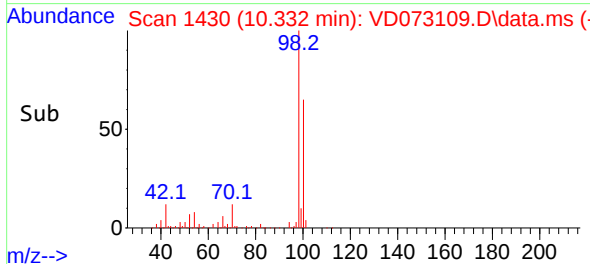
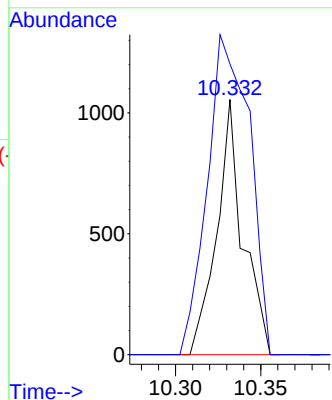
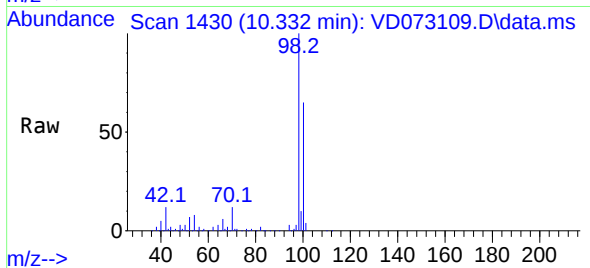
SB11

Tgt Ion: 43 Resp: 1126

Ion Ratio Lower Upper

43 100

58 202.3 28.6 43.0#



#62

4-Bromofluorobenzene

Concen: 52.340 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073109.D

Acq: 18 May 2022 20:06

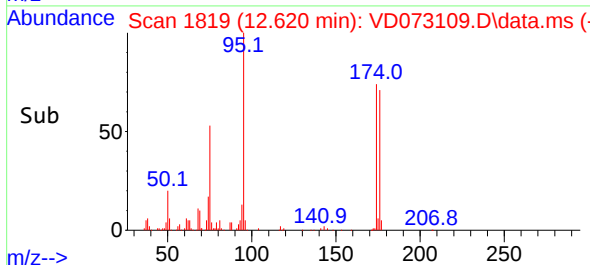
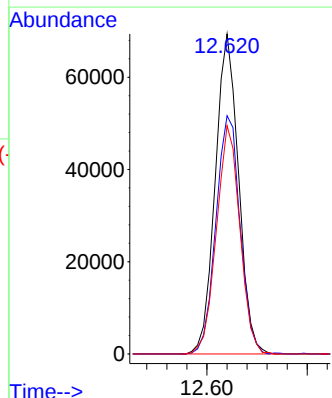
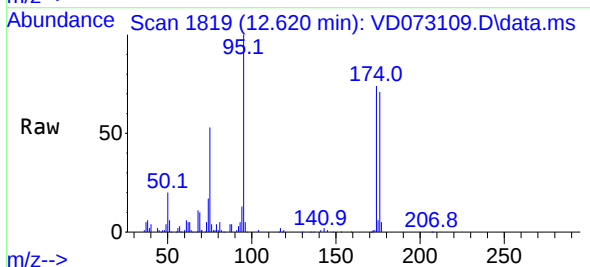
Tgt Ion: 95 Resp: 111407

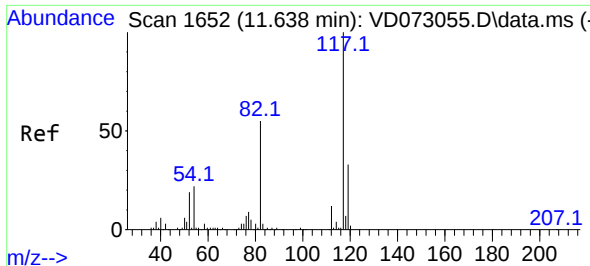
Ion Ratio Lower Upper

95 100

174 77.5 0.0 152.8

176 71.8 0.0 145.4

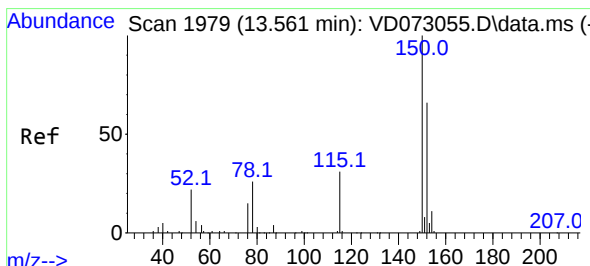
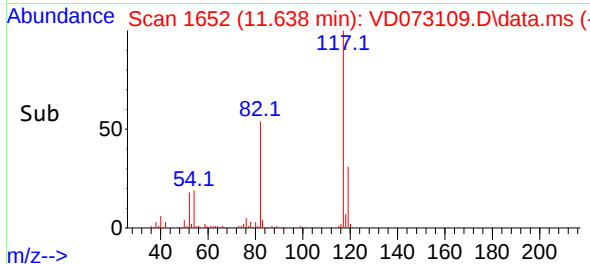
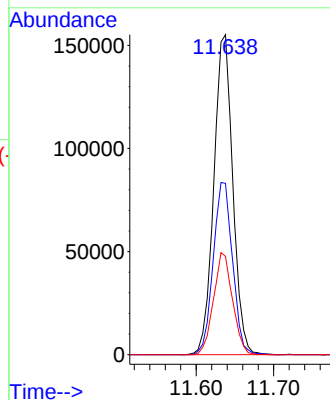
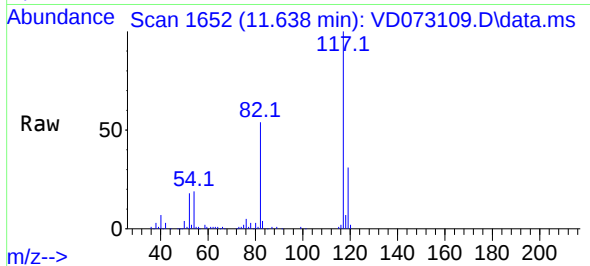




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

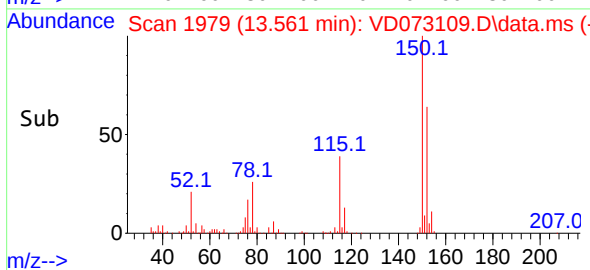
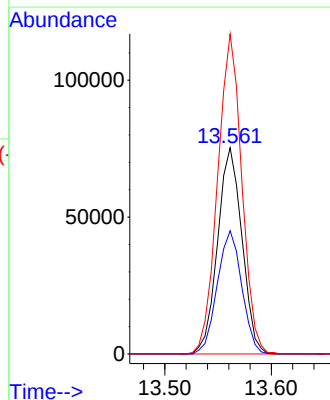
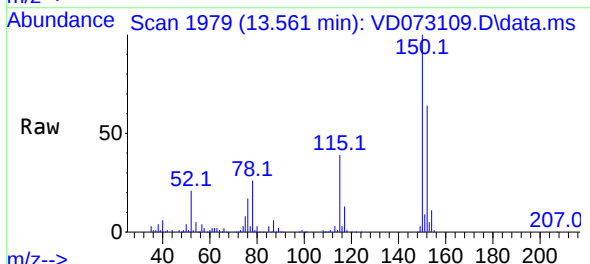
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB11

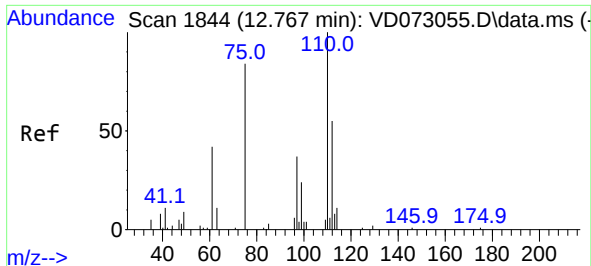
Tgt Ion:117 Resp: 264014  
Ion Ratio Lower Upper  
117 100  
82 53.6 45.3 67.9  
119 30.7 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Tgt Ion:152 Resp: 119514  
Ion Ratio Lower Upper  
152 100  
115 60.1 31.3 93.8  
150 153.8 0.0 348.6

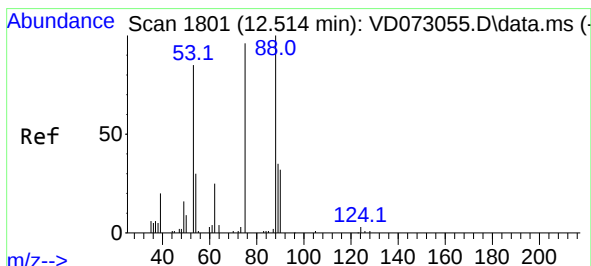
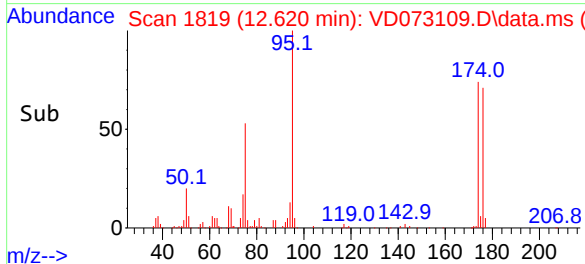
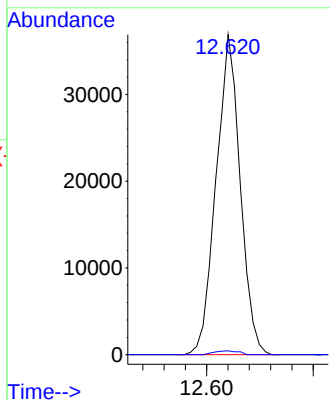
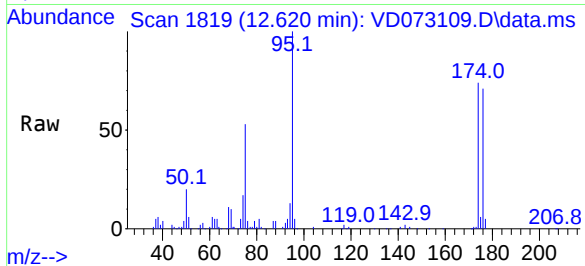




#76  
1,2,3-Trichloropropane  
Concen: 42.792 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB11

Tgt Ion: 75 Resp: 57813  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.605 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073109.D  
Acq: 18 May 2022 20:06

Tgt Ion: 75 Resp: 57813  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.0 33.9 50.9#

