

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052422\  
 Data File : VY009074.D  
 Acq On : 24 May 2022 20:00  
 Operator : KP/MD  
 Sample : N2981-07  
 Misc : 2.95g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-12(0.5-1)

Quant Time: May 25 02:57:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

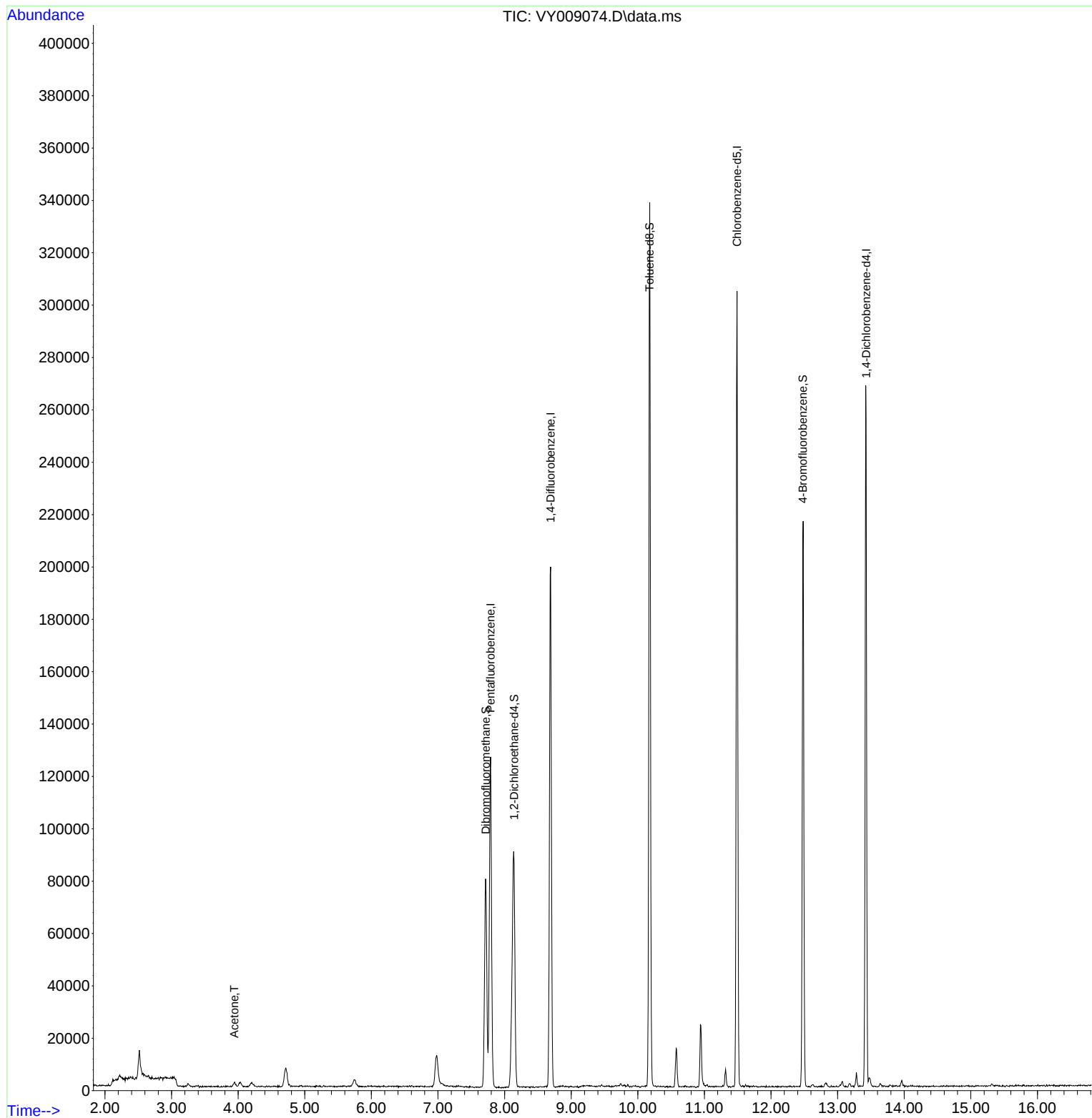
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 95238    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 169445   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 154722   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 63787    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 55990    | 57.123   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 114.240%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 53640    | 50.907   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 101.820%  |
| 50) Toluene-d8              | 10.179 | 98    | 208488   | 53.635   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 107.260%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 55063    | 35.116   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 70.240%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 3.942  | 43    | 2545     | 12.474   | ug/l  | Qvalue 90 |
| -----                       |        |       |          |          |       |           |

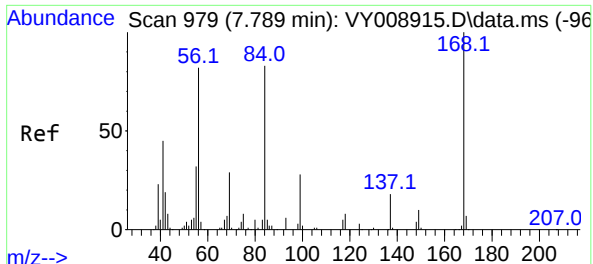
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-12(0.5-1)

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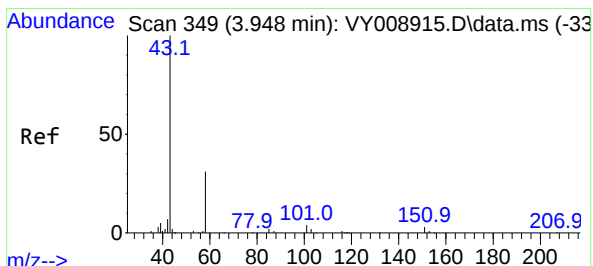
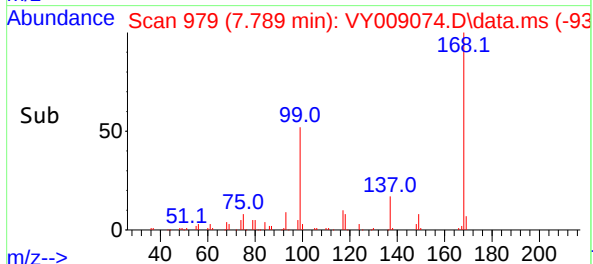
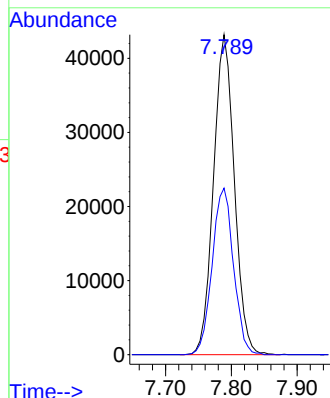
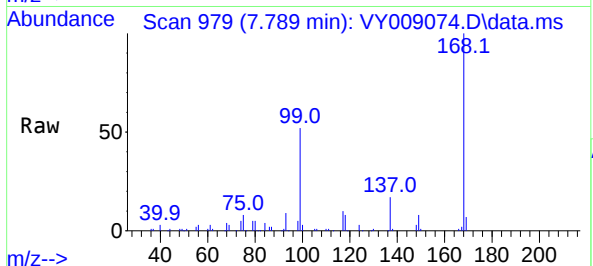




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

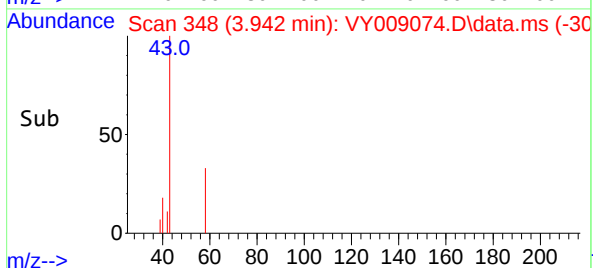
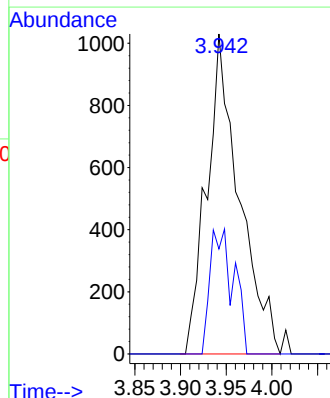
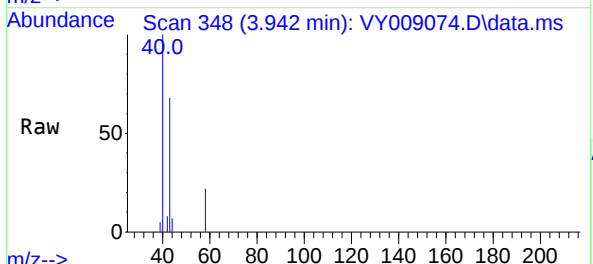
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(0.5-1)

Tgt Ion:168 Resp: 95238  
Ion Ratio Lower Upper  
168 100  
99 52.0 46.9 70.3



#16  
Acetone  
Concen: 12.474 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

Tgt Ion: 43 Resp: 2545  
Ion Ratio Lower Upper  
43 100  
58 32.8 22.0 33.0





#33

1,2-Dichloroethane-d4

Concen: 57.123 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY009074.D

Acq: 24 May 2022 20:00

Instrument :

MSVOA\_Y

ClientSampleId :

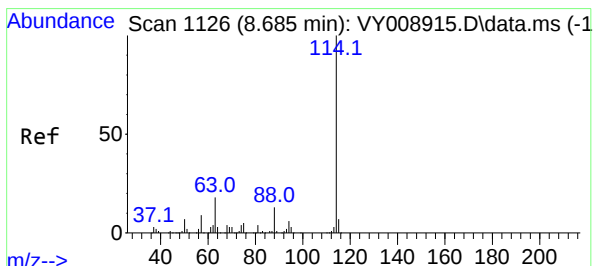
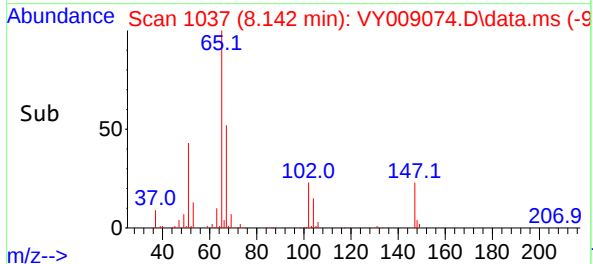
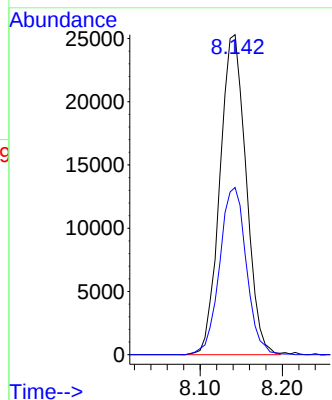
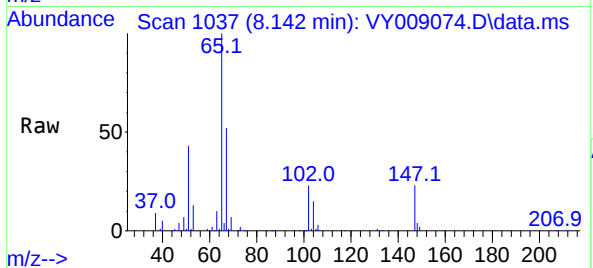
SB-12(0.5-1)

Tgt Ion: 65 Resp: 55990

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009074.D

Acq: 24 May 2022 20:00

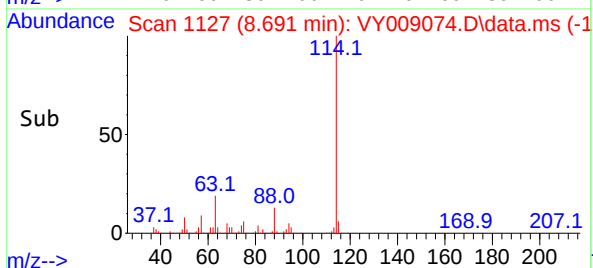
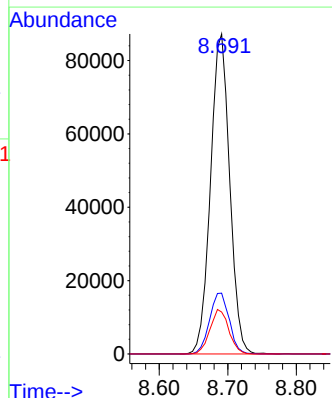
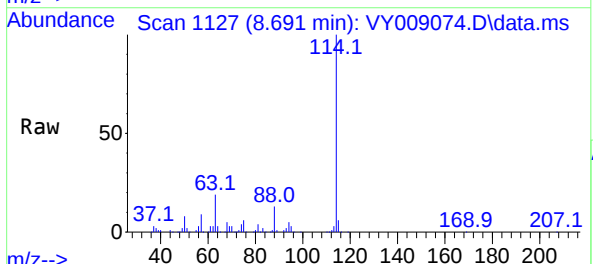
Tgt Ion: 114 Resp: 169445

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 13.1 0.0 31.8

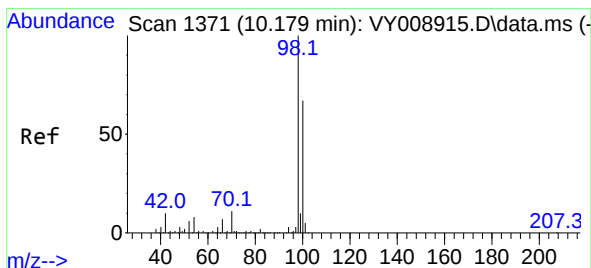
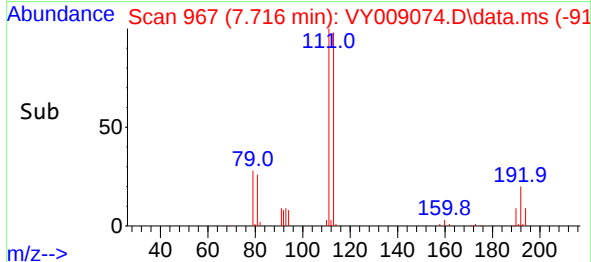
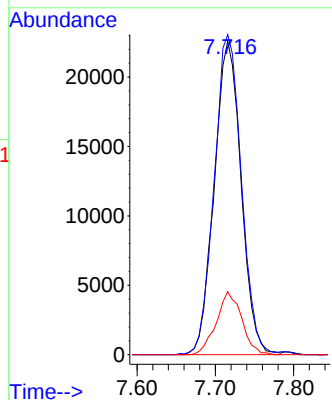
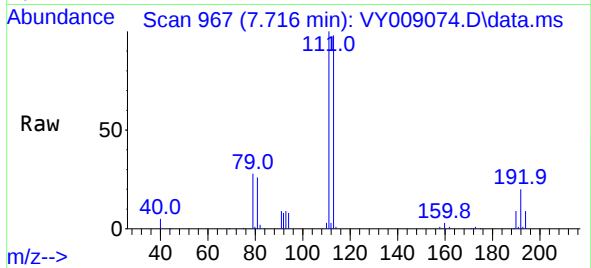




#35  
Dibromofluoromethane  
Concen: 50.907 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

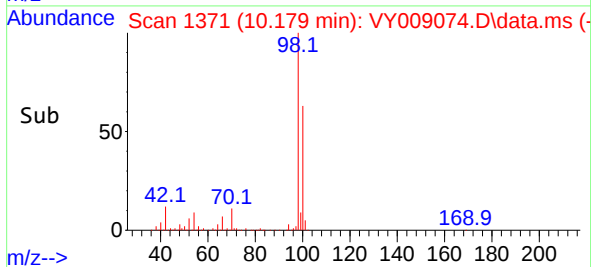
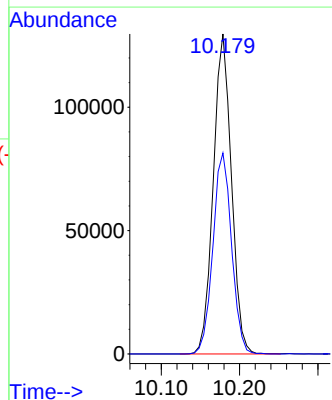
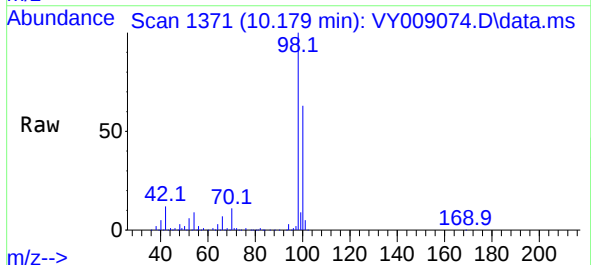
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(0.5-1)

Tgt Ion:113 Resp: 53640  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.6 124.0  
192 19.1 17.6 26.4



#50  
Toluene-d8  
Concen: 53.635 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

Tgt Ion: 98 Resp: 208488  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2

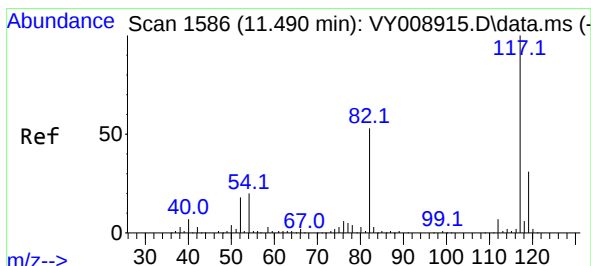
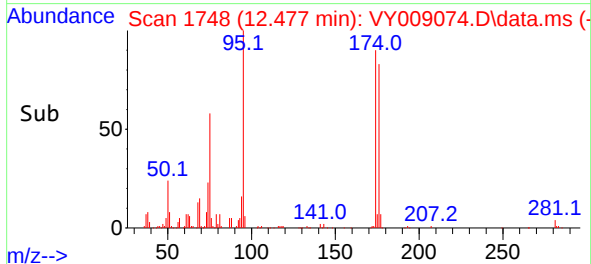
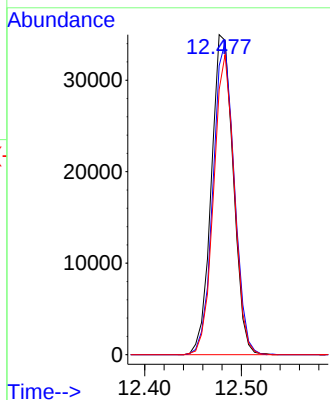
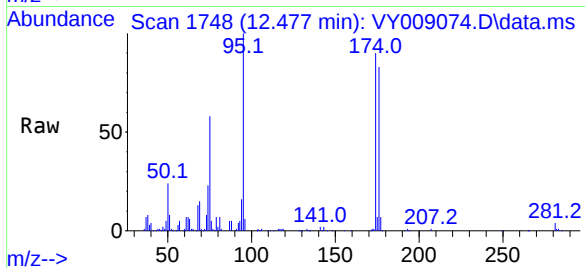




#62  
4-Bromofluorobenzene  
Concen: 35.116 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

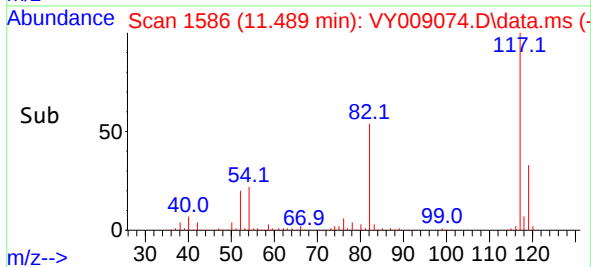
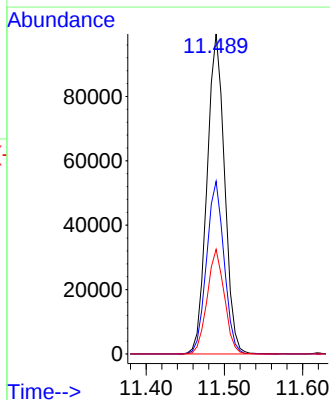
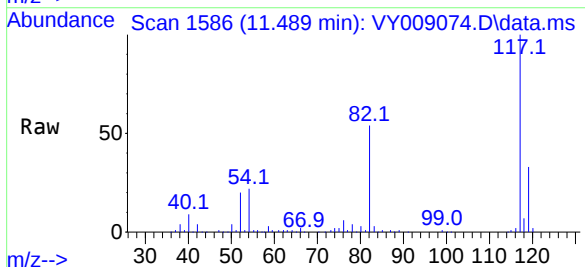
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(0.5-1)

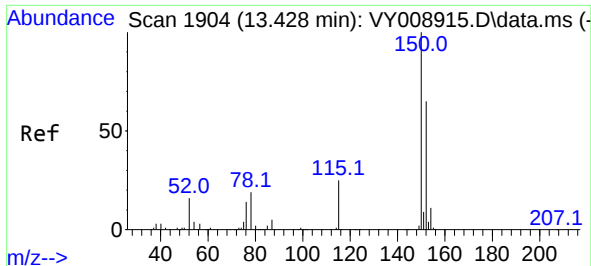
Tgt Ion: 95 Resp: 55063  
Ion Ratio Lower Upper  
95 100  
174 94.5 0.0 177.0  
176 88.4 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY009074.D  
Acq: 24 May 2022 20:00

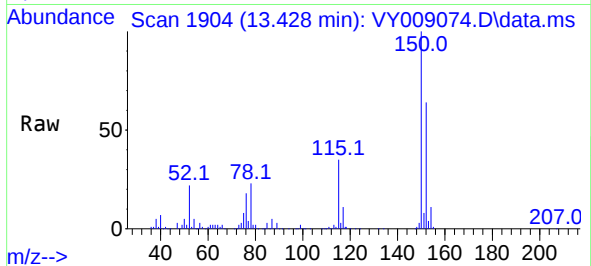
Tgt Ion: 117 Resp: 154722  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.0 64.4  
119 32.7 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY009074.D  
 Acq: 24 May 2022 20:00

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-12(0.5-1)



Tgt Ion:152 Resp: 63787  
 Ion Ratio Lower Upper  
 152 100  
 115 55.0 28.2 84.7  
 150 156.6 0.0 347.6

