

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112122\  
 Data File : VY011518.D  
 Acq On : 21 Nov 2022 12:55  
 Operator : KP/MD  
 Sample : N5660-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CL-02-11622

Quant Time: Nov 21 15:05:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 190041   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 363064   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 339116   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 141075   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 124724   | 64.635   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 129.260% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 116170   | 51.978   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.960% |
| 50) Toluene-d8              | 10.179 | 98    | 441707   | 54.386   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 108.780% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 138310   | 46.059   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 92.120%  |

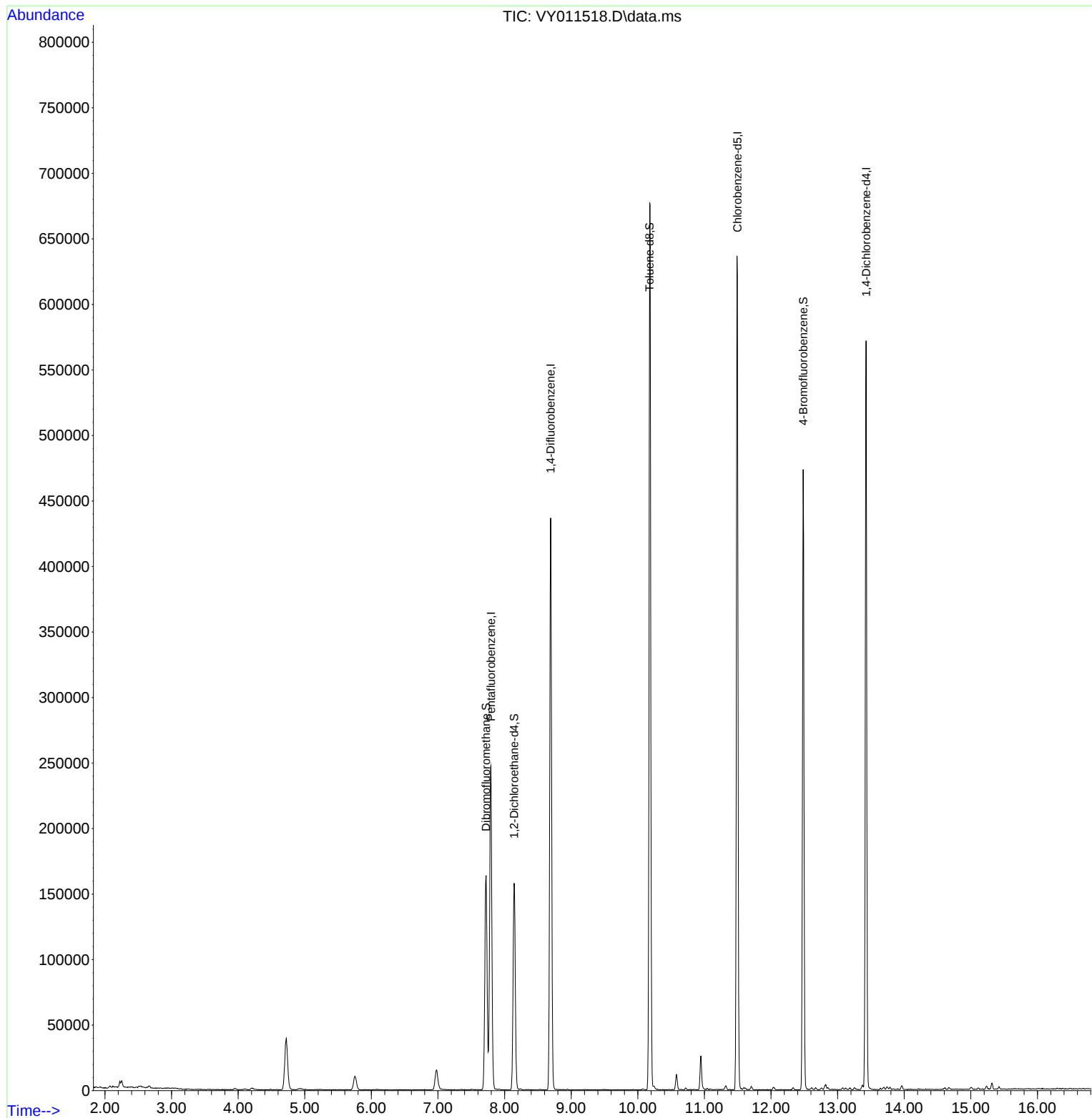
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

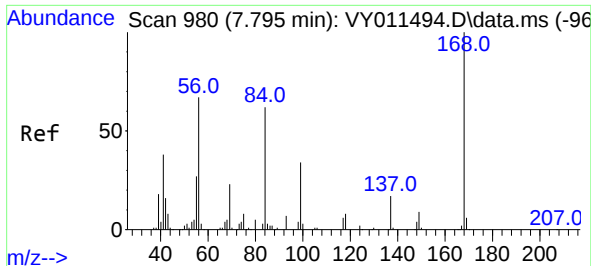
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CL-02-11622

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Quant Title : SW846 8260  
QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration

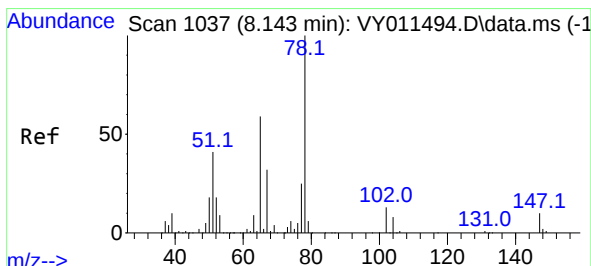
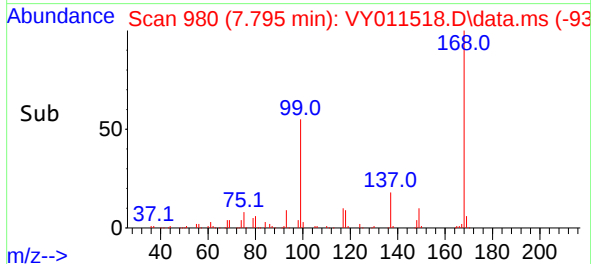
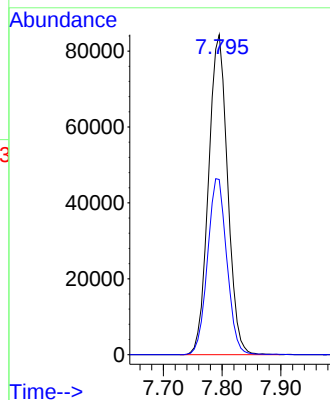
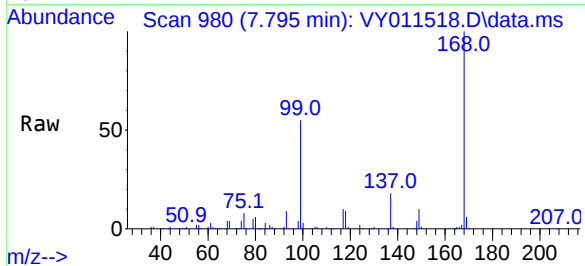




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011518.D  
Acq: 21 Nov 2022 12:55

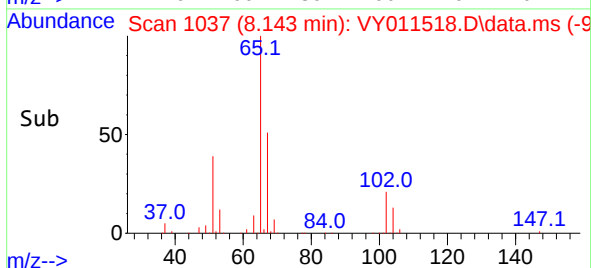
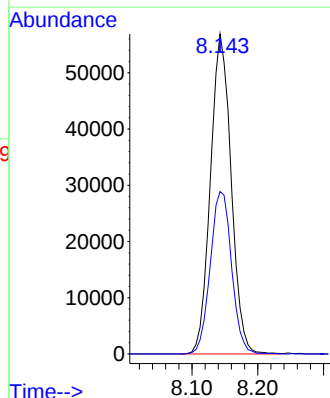
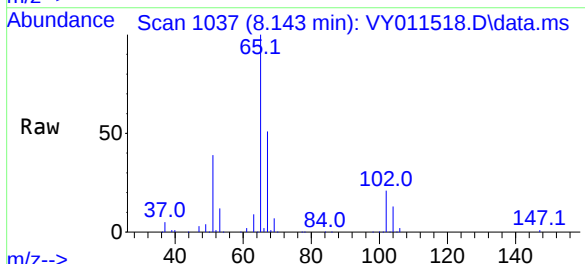
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-02-11622

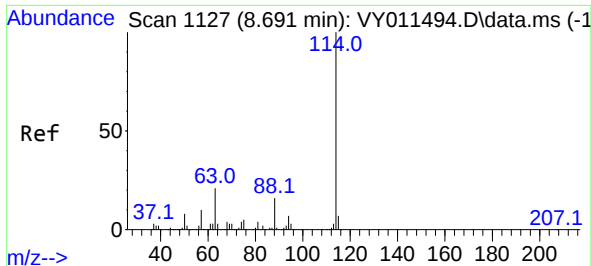
Tgt Ion:168 Resp: 190041  
Ion Ratio Lower Upper  
168 100  
99 54.8 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 64.635 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY011518.D  
Acq: 21 Nov 2022 12:55

Tgt Ion: 65 Resp: 124724  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011518.D

Acq: 21 Nov 2022 12:55

Instrument :

MSVOA\_Y

ClientSampleId :

CL-02-11622

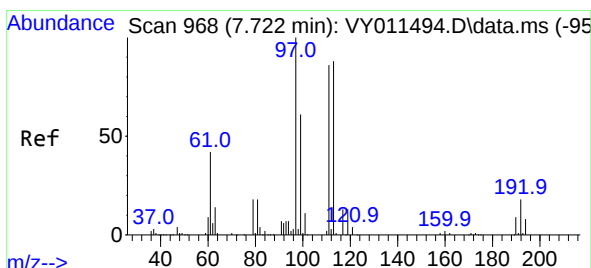
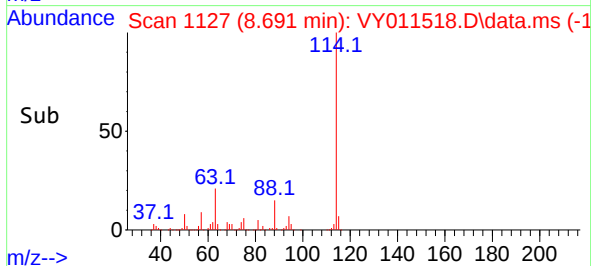
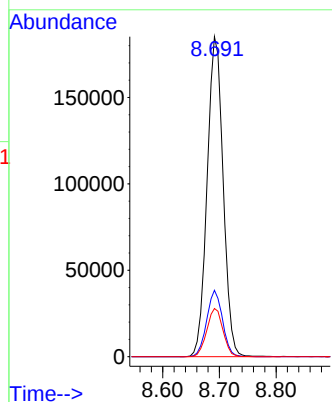
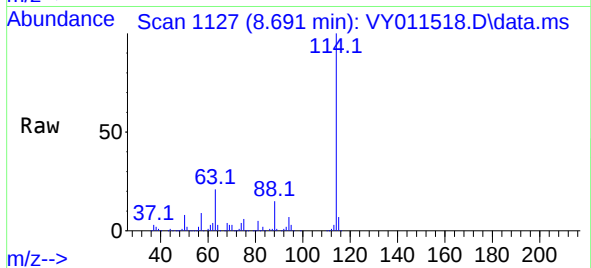
Tgt Ion:114 Resp: 363064

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.978 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011518.D

Acq: 21 Nov 2022 12:55

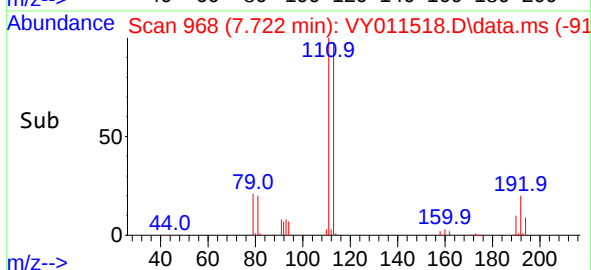
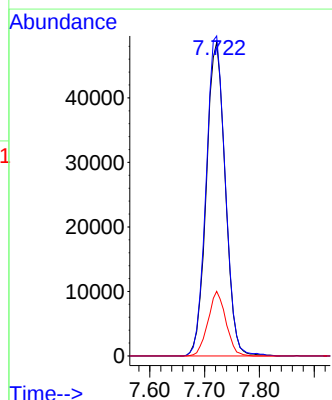
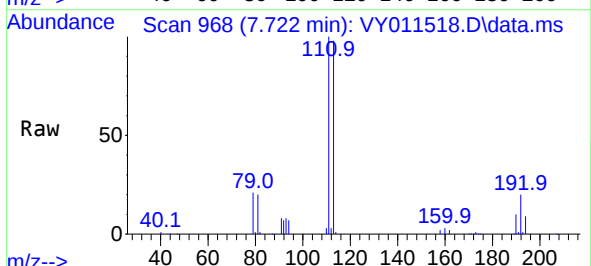
Tgt Ion:113 Resp: 116170

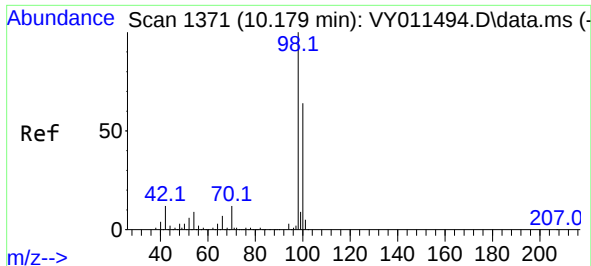
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 19.5 17.6 26.4

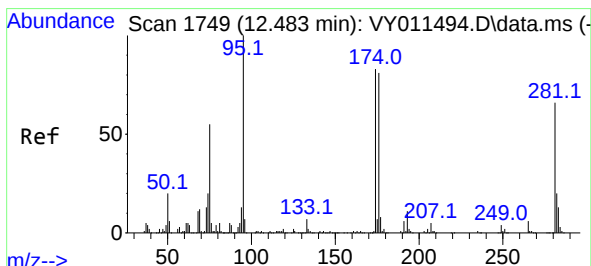
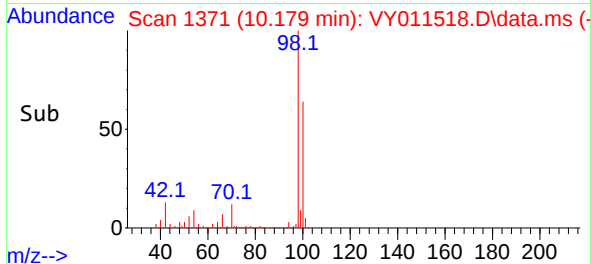
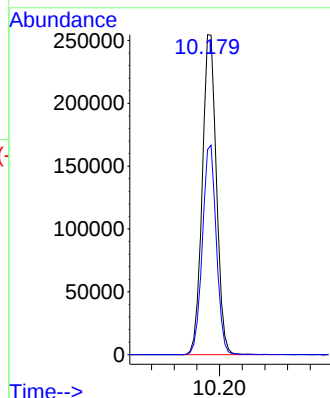
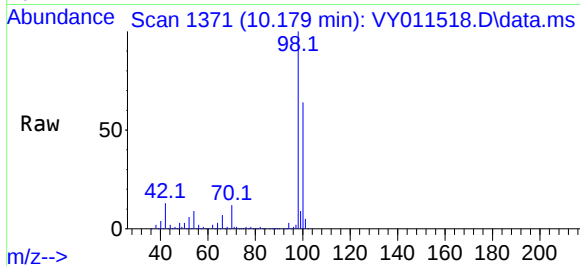




#50  
Toluene-d8  
Concen: 54.386 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011518.D  
Acq: 21 Nov 2022 12:55

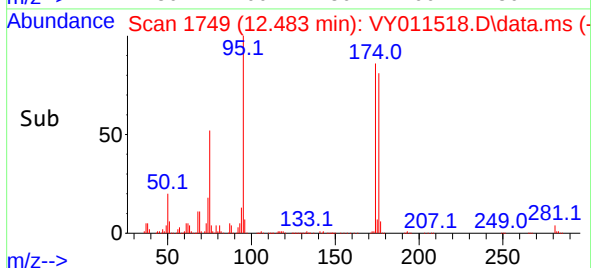
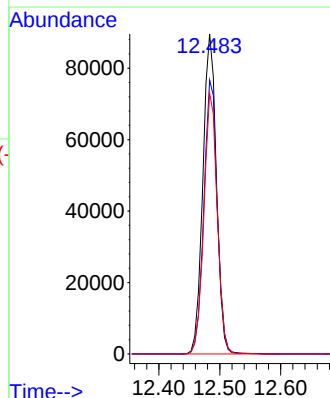
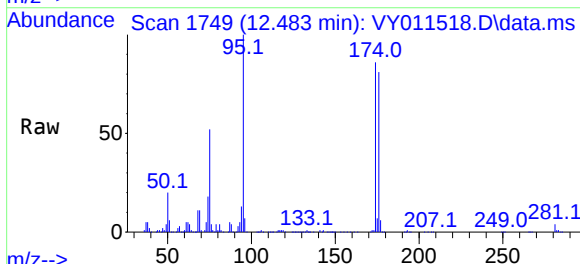
Instrument :  
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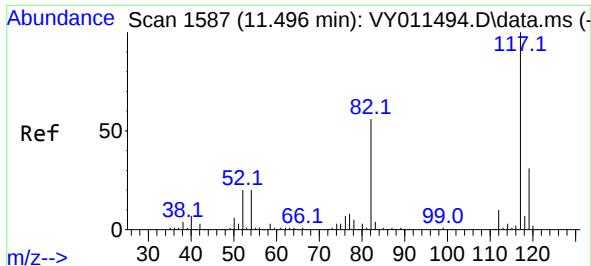
Tgt Ion: 98 Resp: 441707  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 46.059 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011518.D  
Acq: 21 Nov 2022 12:55

Tgt Ion: 95 Resp: 138310  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 177.0  
176 80.5 0.0 175.8

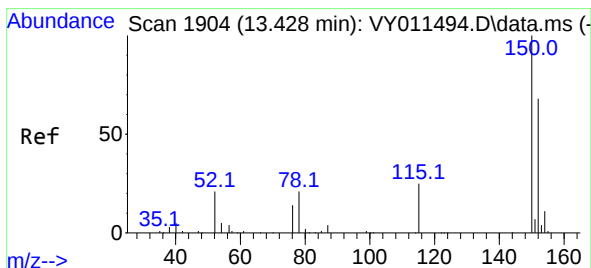
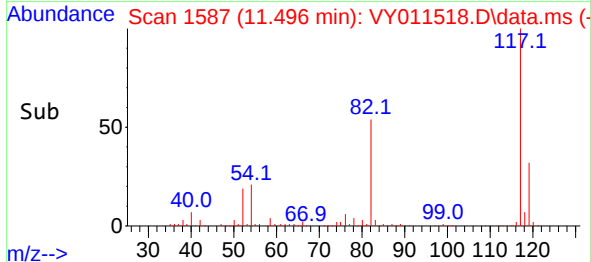
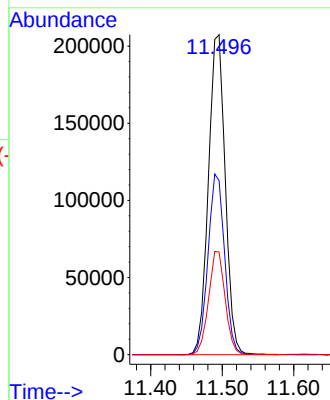
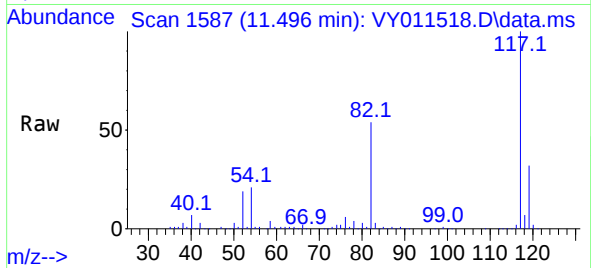




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011518.D  
Acq: 21 Nov 2022 12:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-02-11622

Tgt Ion:117 Resp: 339116  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.0 64.4  
119 32.1 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: VY011518.D  
Acq: 21 Nov 2022 12:55

Tgt Ion:152 Resp: 141075  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.2 84.7  
150 157.0 0.0 347.6

