

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120122\  
 Data File : VY011663.D  
 Acq On : 01 Dec 2022 15:29  
 Operator : KP/MD  
 Sample : N5819-02  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S2

Quant Time: Dec 02 03:21:34 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      | 7.789  | 168  | 93101    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 166568   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 162214   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 65746    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 61831    | 65.406   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 130.820% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 55715    | 54.336   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.680% |
| 50) Toluene-d8              | 10.179 | 98    | 204092   | 54.773   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.540% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 63700    | 46.238   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 92.480%  |

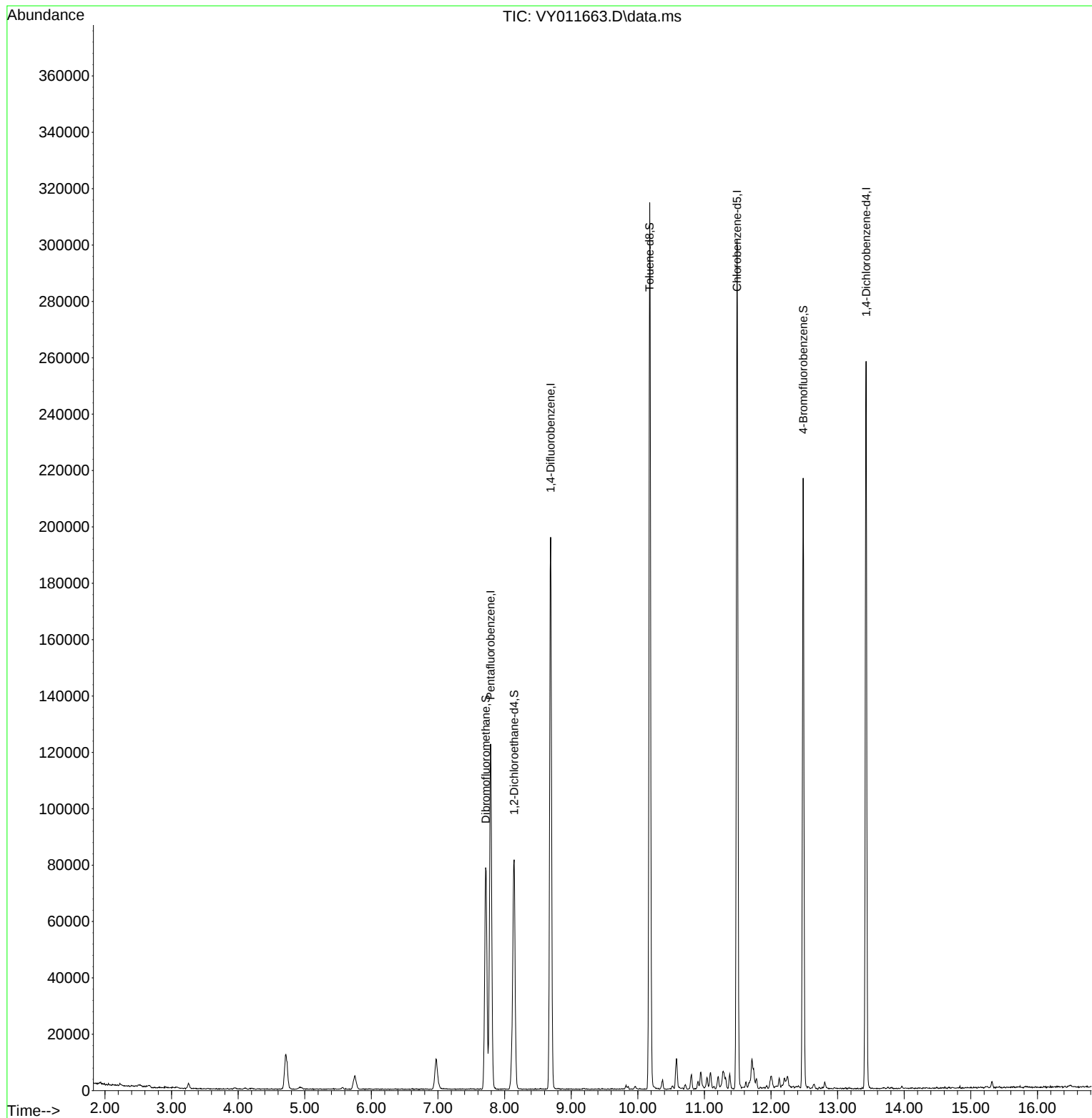
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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S2

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Quant Title : SW846 8260  
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Response via : Initial Calibration

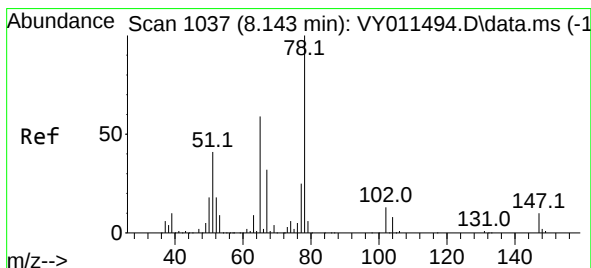
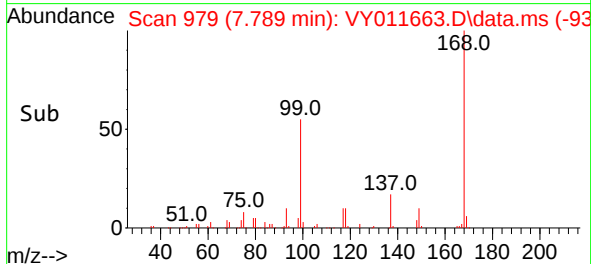
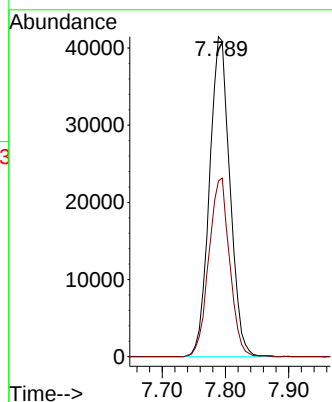
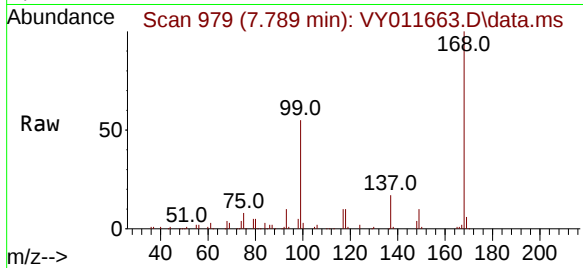




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011663.D  
Acq: 01 Dec 2022 15:29

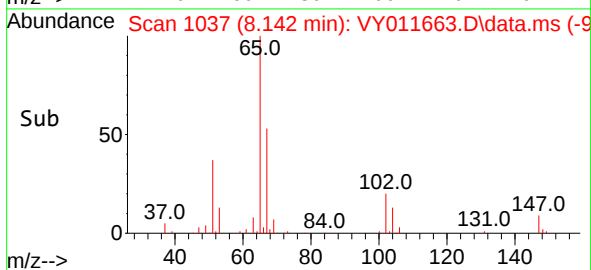
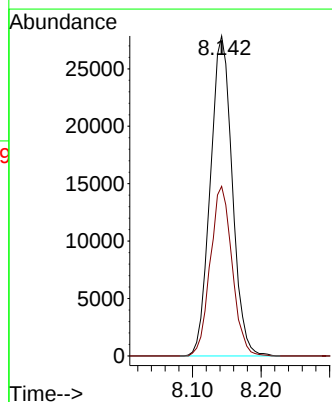
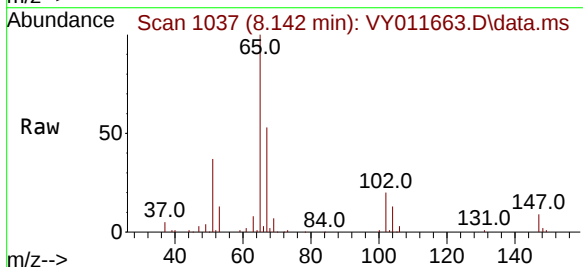
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

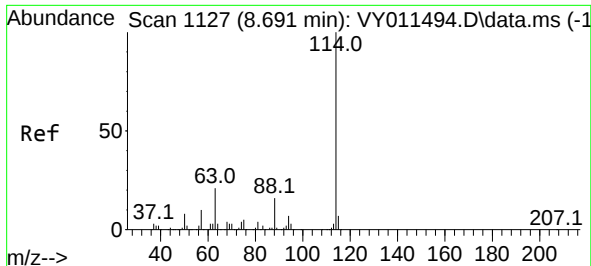
Tgt Ion:168 Resp: 93101  
Ion Ratio Lower Upper  
168 100  
99 54.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 65.406 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY011663.D  
Acq: 01 Dec 2022 15:29

Tgt Ion: 65 Resp: 61831  
Ion Ratio Lower Upper  
65 100  
67 52.8 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: VY011663.D

Acq: 01 Dec 2022 15:29

Instrument :

MSVOA\_Y

ClientSampleId :

S2

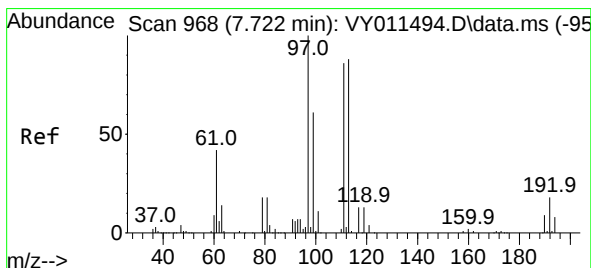
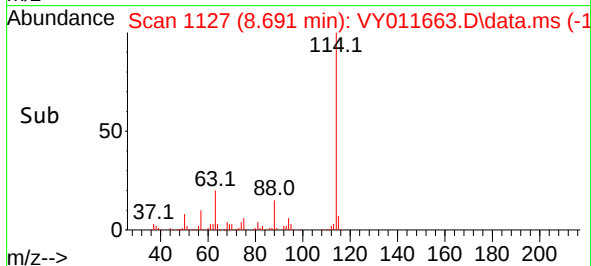
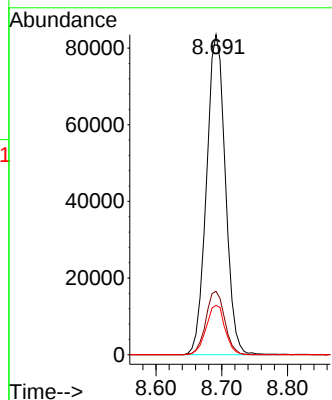
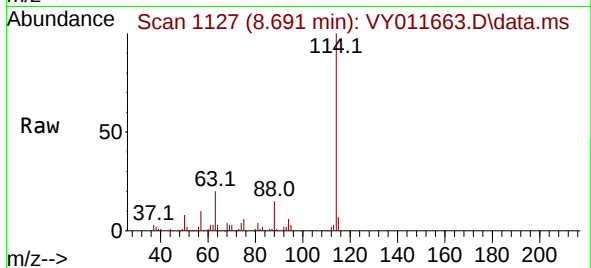
Tgt Ion:114 Resp: 166568

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.336 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011663.D

Acq: 01 Dec 2022 15:29

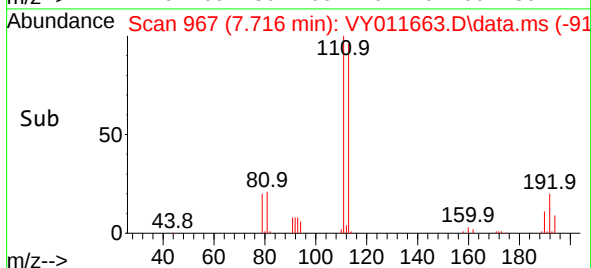
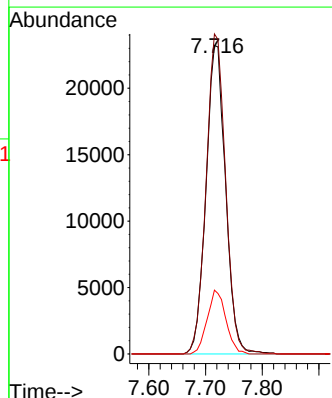
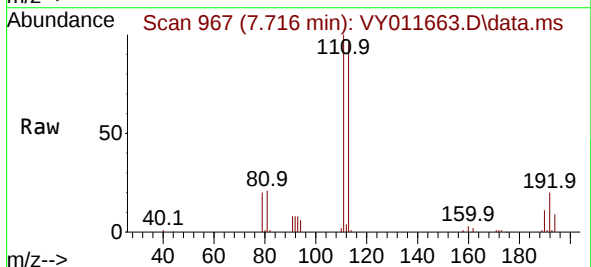
Tgt Ion:113 Resp: 55715

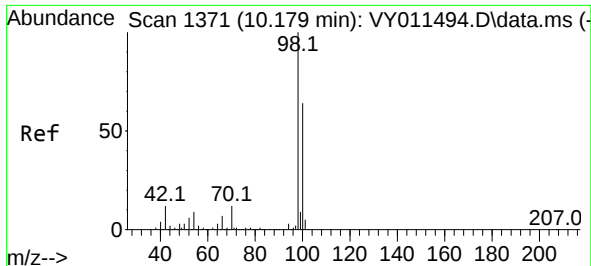
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.8 17.6 26.4

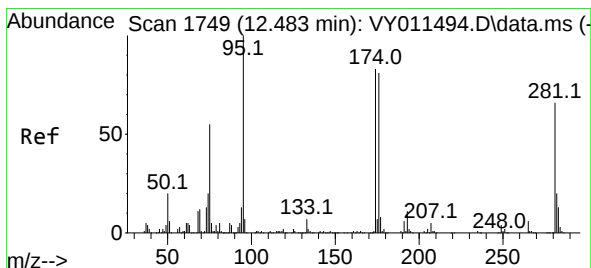
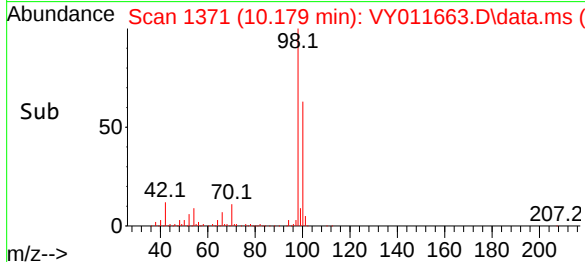
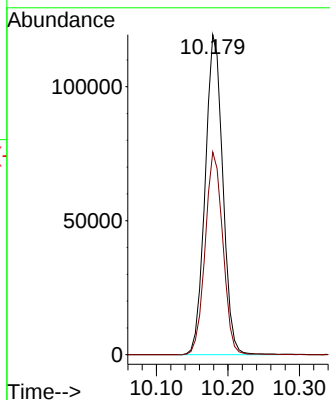
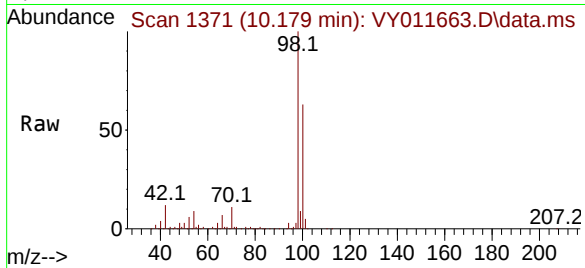




#50  
Toluene-d8  
Concen: 54.773 ug/l  
RT: 10.179 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY011663.D  
Acq: 01 Dec 2022 15:29

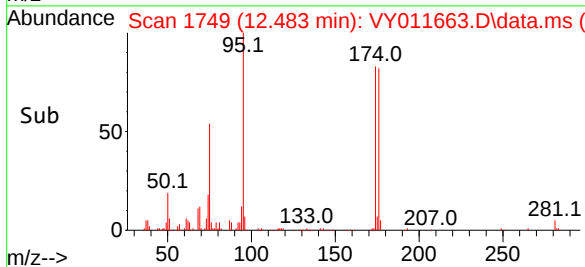
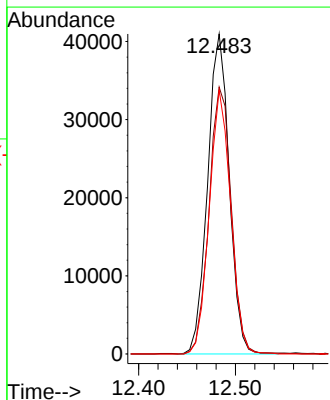
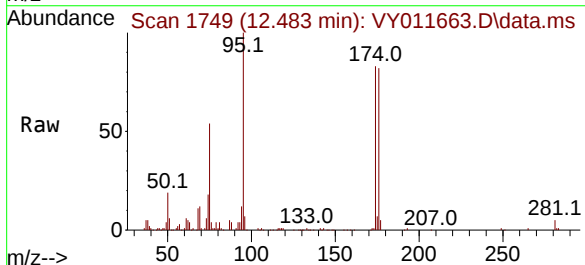
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Tgt Ion: 98 Resp: 204092  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 46.238 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011663.D  
Acq: 01 Dec 2022 15:29

Tgt Ion: 95 Resp: 63700  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 177.0  
176 81.5 0.0 175.8

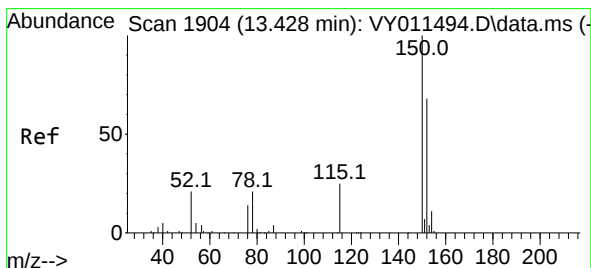
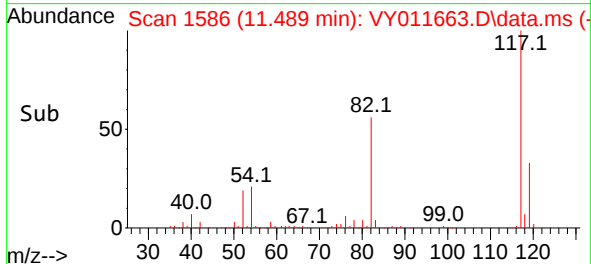
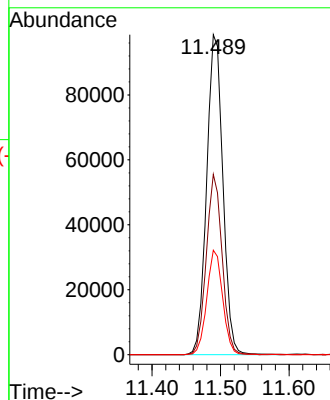
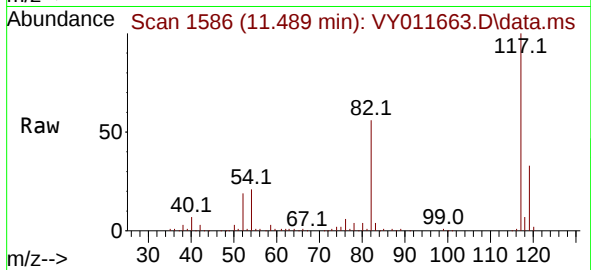




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VY011663.D  
Acq: 01 Dec 2022 15:29

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Tgt Ion:117 Resp: 162214  
Ion Ratio Lower Upper  
117 100  
82 56.3 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: VY011663.D  
Acq: 01 Dec 2022 15:29

Tgt Ion:152 Resp: 65746  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.2 84.7  
150 157.8 0.0 347.6

