

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022223\  
 Data File : VY012684.D  
 Acq On : 22 Feb 2023 10:52  
 Operator : KP/MD  
 Sample : VY0222SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0222SBL01

Quant Time: Feb 22 14:05:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 100612   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 165517   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 143484   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 67154    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 62777    | 52.830   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.660% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 55053    | 49.244   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.480%  |
| 50) Toluene-d8              | 10.179 | 98    | 202326   | 48.307   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.620%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 63715    | 47.538   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.080%  |

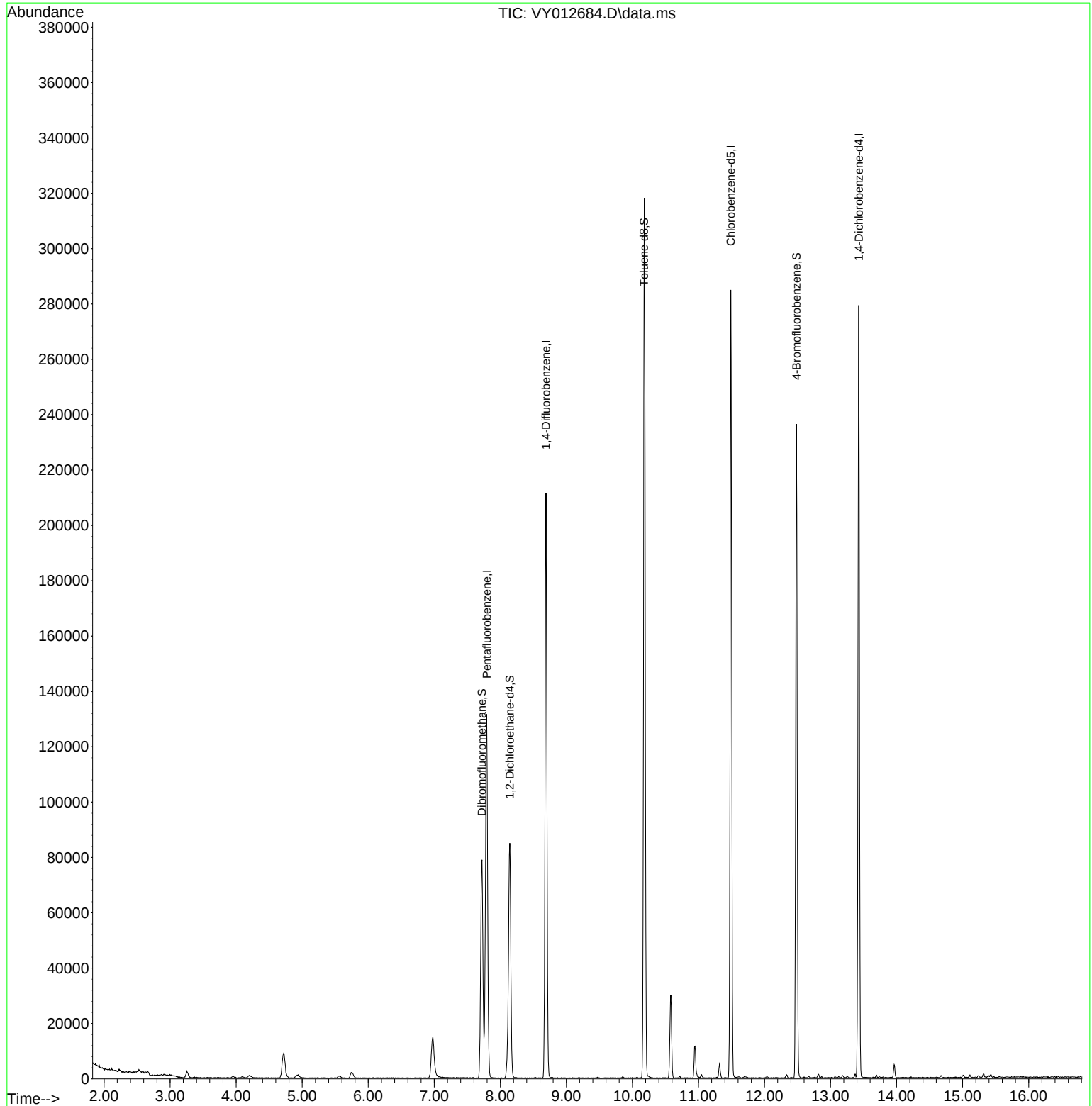
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

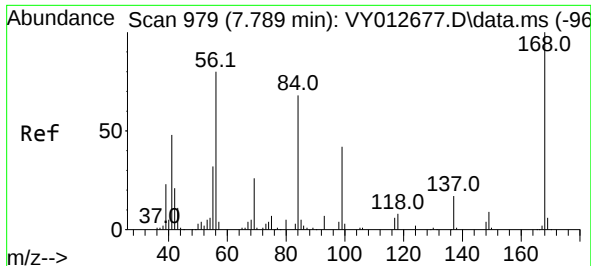
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampleId :  
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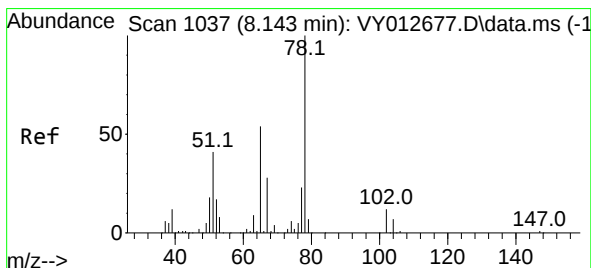
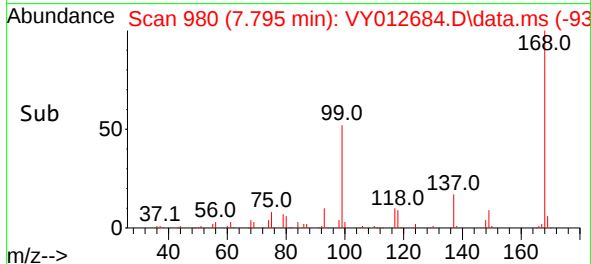
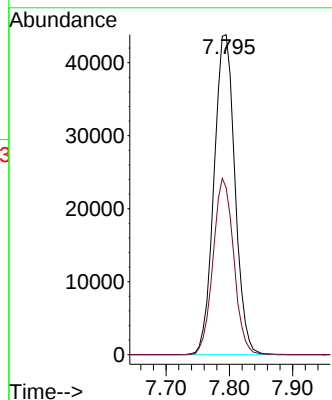
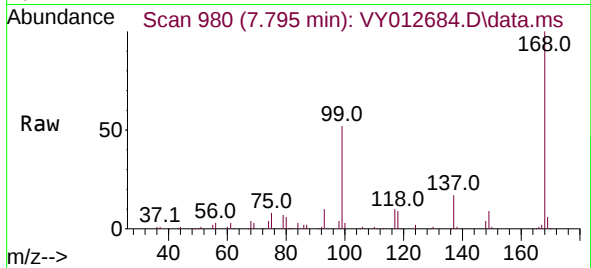




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY012684.D  
Acq: 22 Feb 2023 10:52

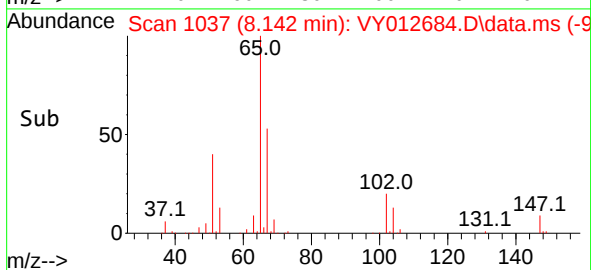
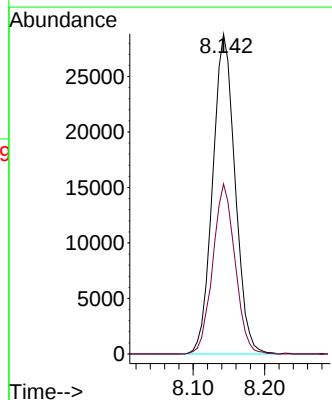
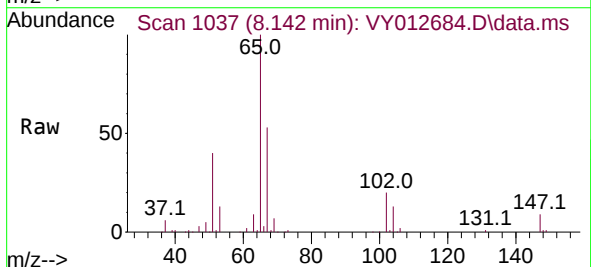
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0222SBL01

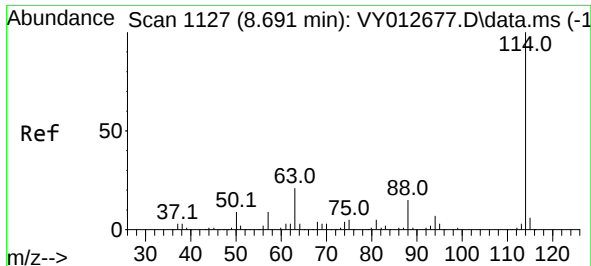
Tgt Ion:168 Resp: 100612  
Ion Ratio Lower Upper  
168 100  
99 52.2 45.4 68.2



#33  
1,2-Dichloroethane-d4  
Concen: 52.830 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012684.D  
Acq: 22 Feb 2023 10:52

Tgt Ion: 65 Resp: 62777  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012684.D

Acq: 22 Feb 2023 10:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0222SBL01

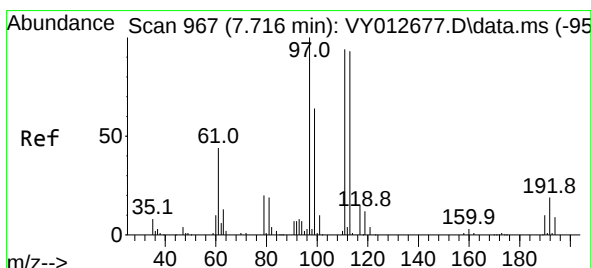
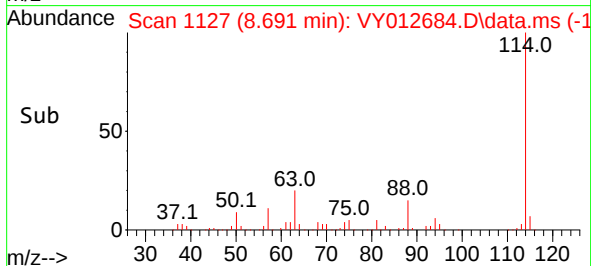
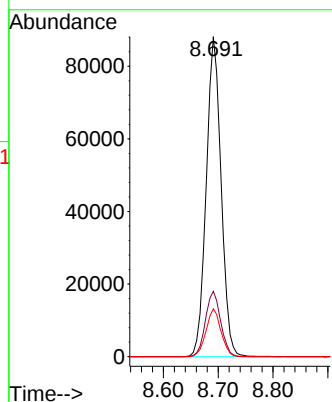
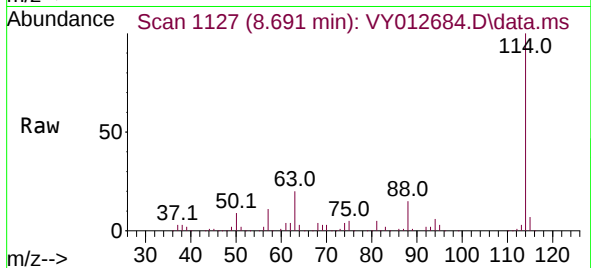
Tgt Ion:114 Resp: 165517

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

88 15.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 49.244 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012684.D

Acq: 22 Feb 2023 10:52

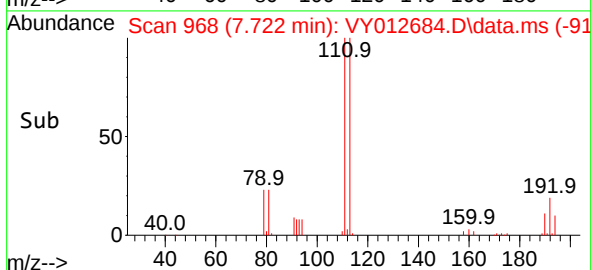
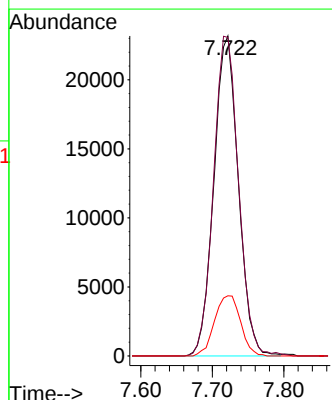
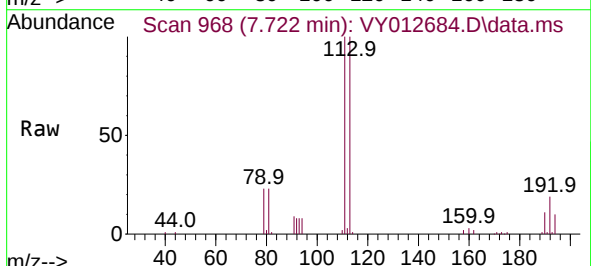
Tgt Ion:113 Resp: 55053

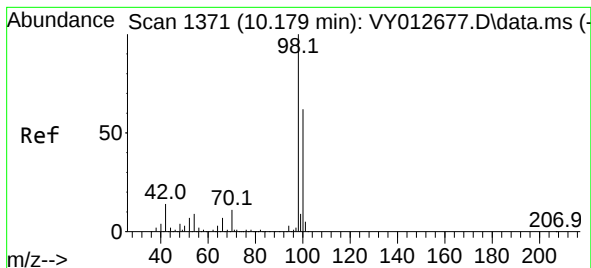
Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 20.0 16.2 24.2





#50

Toluene-d8

Concen: 48.307 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012684.D

Acq: 22 Feb 2023 10:52

Instrument :

MSVOA\_Y

ClientSampleId :

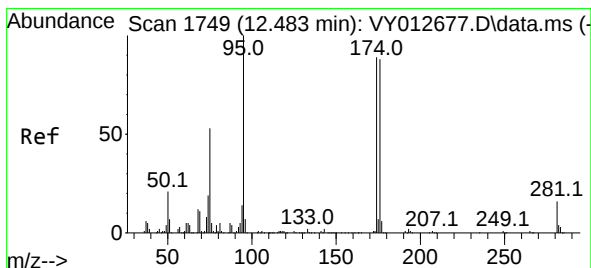
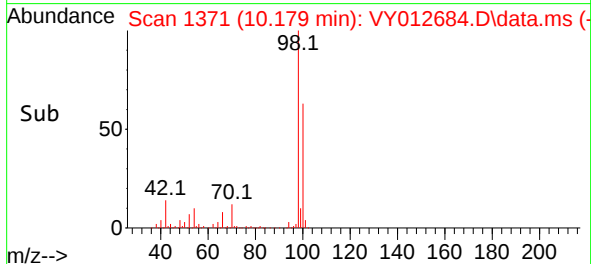
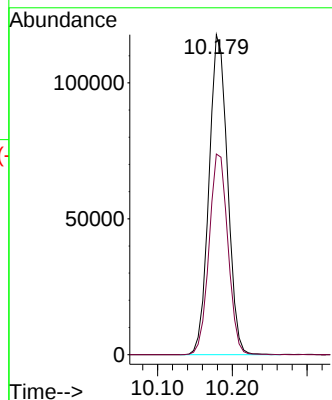
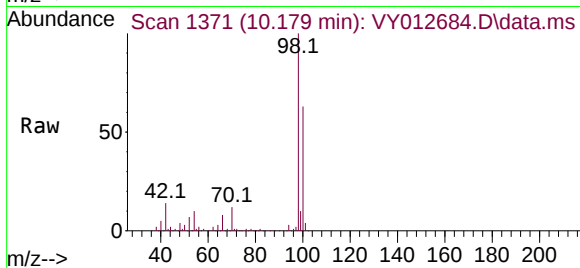
VY0222SBL01

Tgt Ion: 98 Resp: 202326

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 47.538 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012684.D

Acq: 22 Feb 2023 10:52

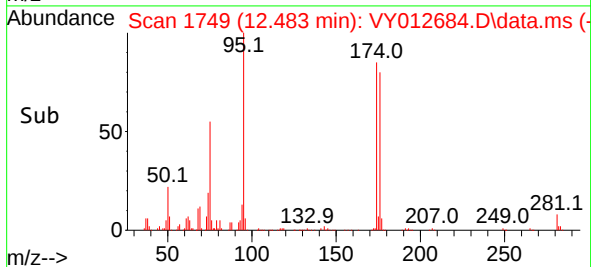
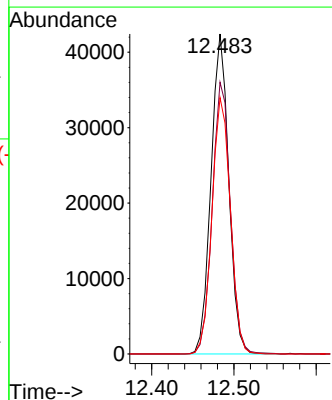
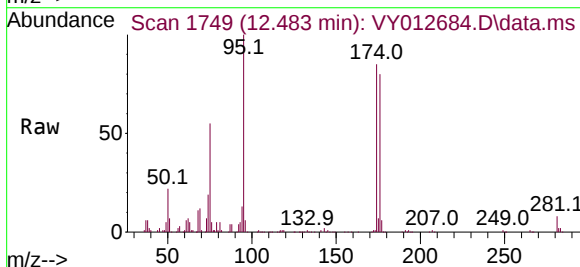
Tgt Ion: 95 Resp: 63715

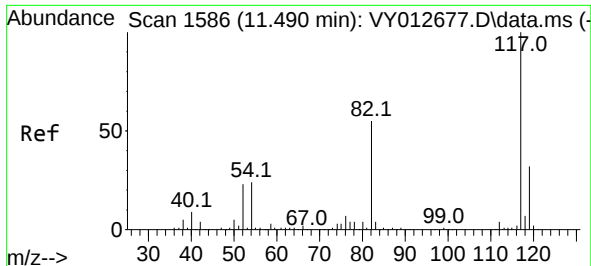
Ion Ratio Lower Upper

95 100

174 86.4 0.0 172.8

176 82.9 0.0 169.4

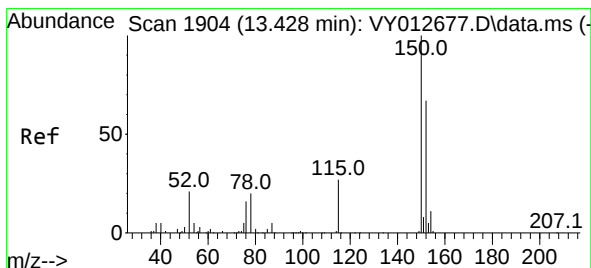
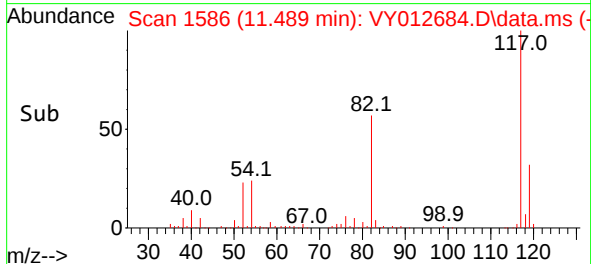
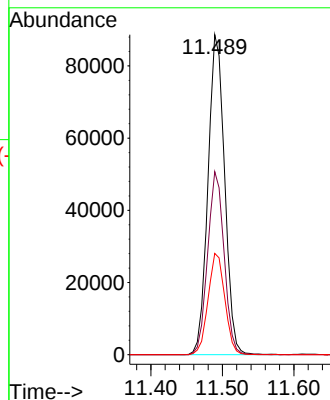
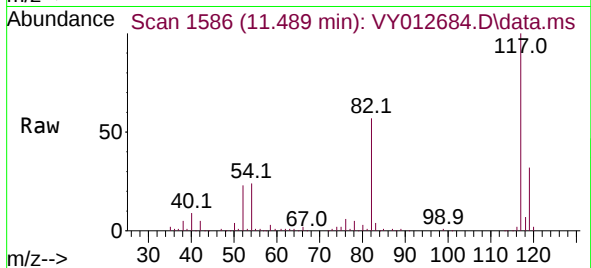




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012684.D  
Acq: 22 Feb 2023 10:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0222SBL01

Tgt Ion:117 Resp: 143484  
Ion Ratio Lower Upper  
117 100  
82 57.2 44.1 66.1  
119 31.6 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY012684.D  
Acq: 22 Feb 2023 10:52

Tgt Ion:152 Resp: 67154  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.7 86.3  
150 157.3 0.0 347.6

