

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072922\  
 Data File : VY009767.D  
 Acq On : 29 Jul 2022 13:01  
 Operator : KP/MD  
 Sample : VY0729SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0729SBL01

Quant Time: Aug 01 09:14:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 27 04:24:58 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.782  | 168  | 164396   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 283998   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 284810   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 120836   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 70005    | 65.586   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 131.180% |
| 35) Dibromofluoromethane    | 7.709  | 113   | 68100    | 44.089   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.180%  |
| 50) Toluene-d8              | 10.178 | 98    | 262015   | 59.011   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =    | 118.020% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 75688    | 36.955   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =    | 73.920%  |

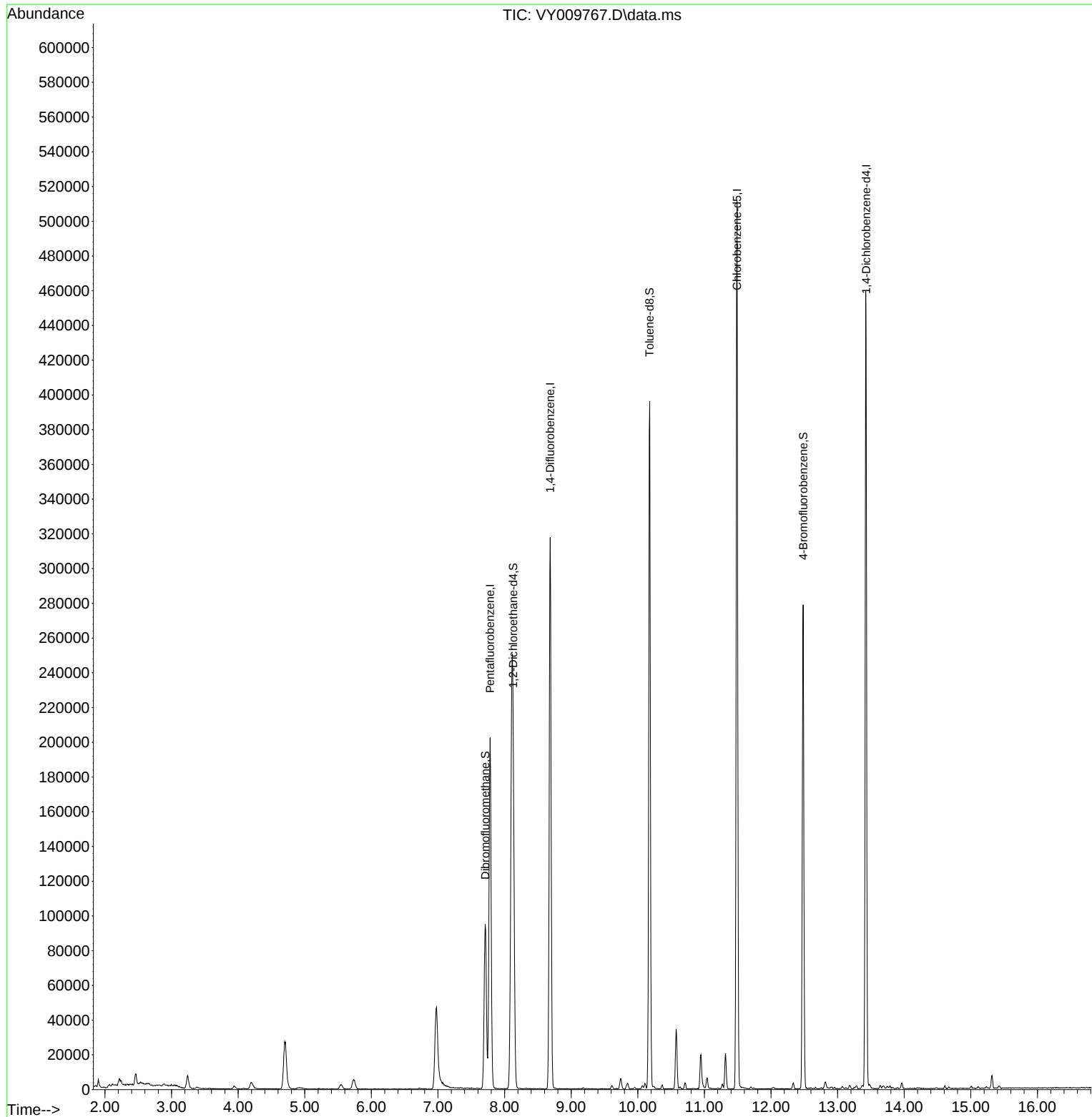
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

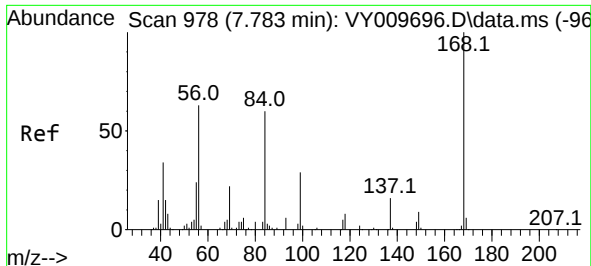
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

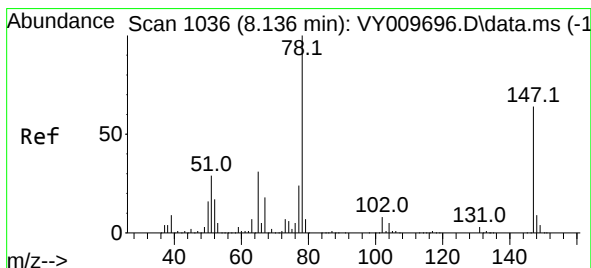
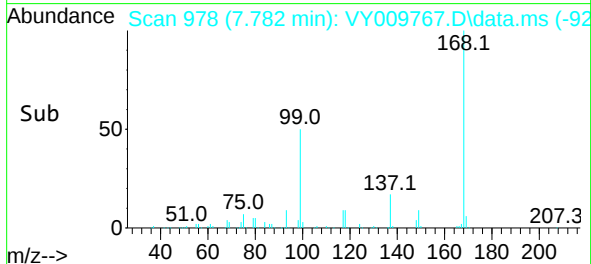
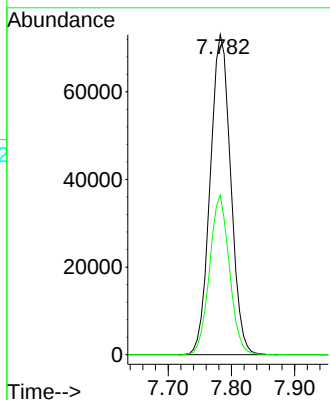
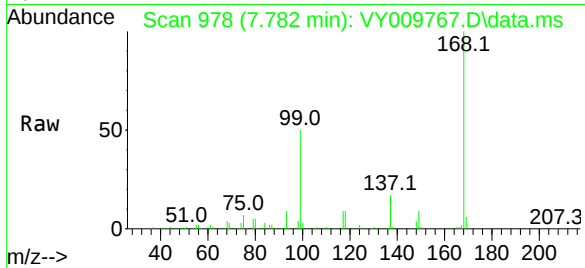




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.001 min  
Lab File: VY009767.D  
Acq: 29 Jul 2022 13:01

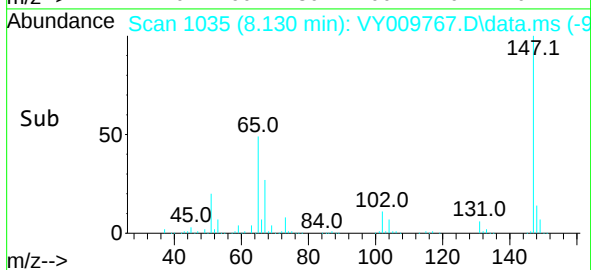
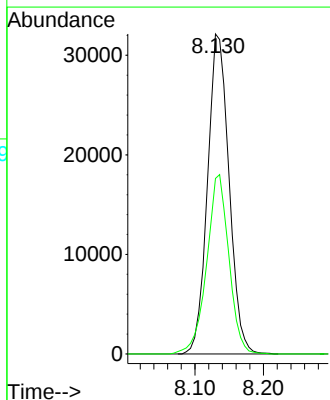
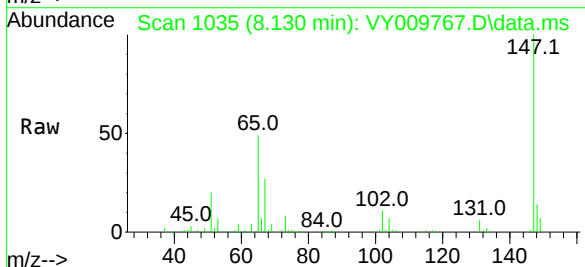
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0729SBL01

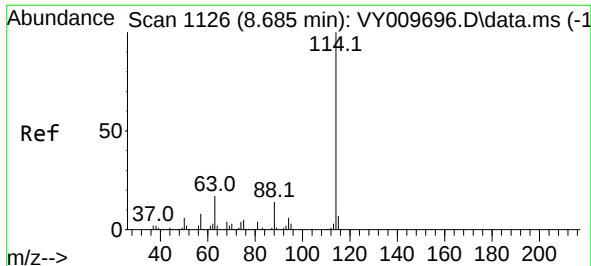
Tgt Ion:168 Resp: 164396  
Ion Ratio Lower Upper  
168 100  
99 49.8 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 65.586 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: VY009767.D  
Acq: 29 Jul 2022 13:01

Tgt Ion: 65 Resp: 70005  
Ion Ratio Lower Upper  
65 100  
67 57.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009767.D

Acq: 29 Jul 2022 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

VY0729SBL01

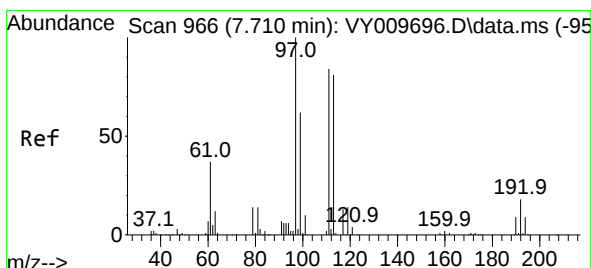
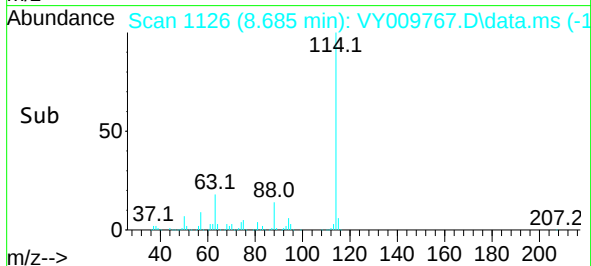
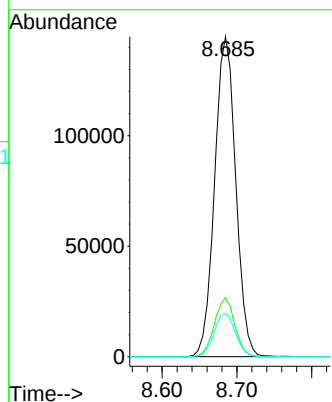
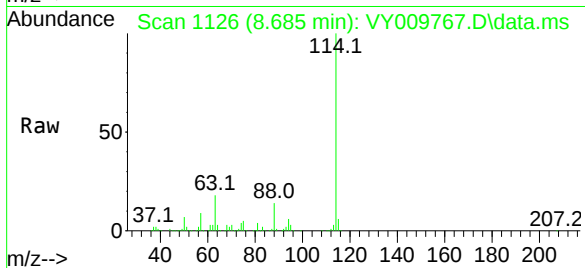
Tgt Ion:114 Resp: 283998

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 13.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.089 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.001 min

Lab File: VY009767.D

Acq: 29 Jul 2022 13:01

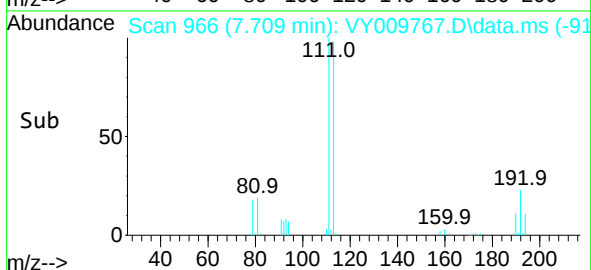
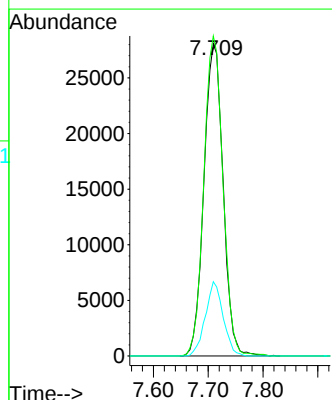
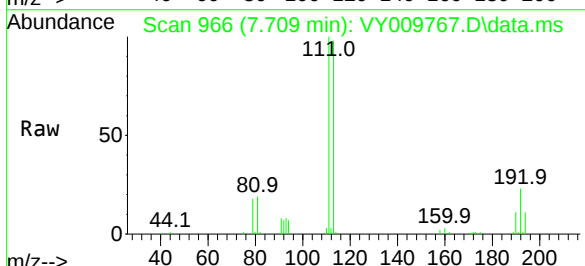
Tgt Ion:113 Resp: 68100

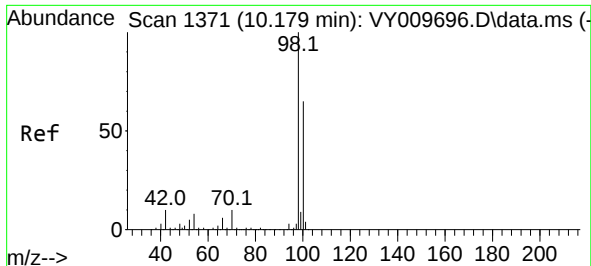
Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 22.1 17.6 26.4

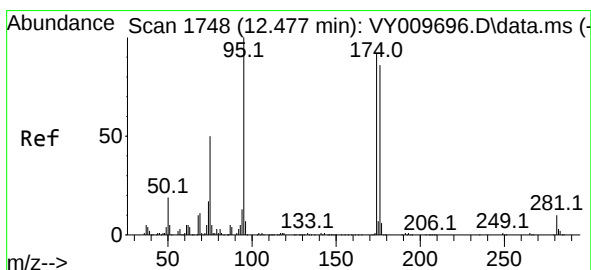
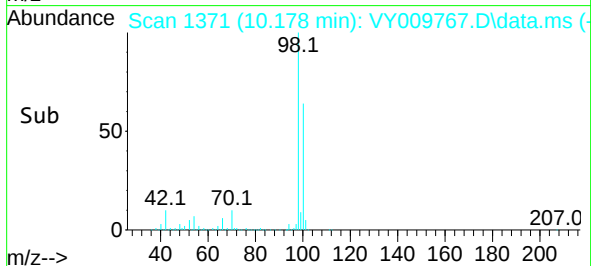
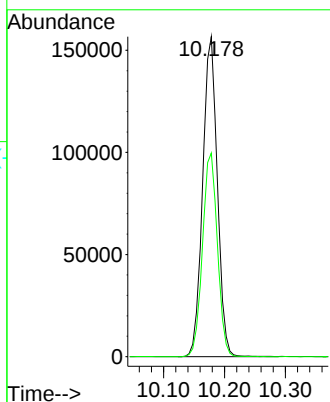
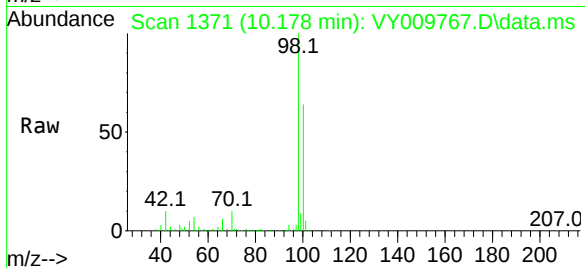




#50  
Toluene-d8  
Concen: 59.011 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY009767.D  
Acq: 29 Jul 2022 13:01

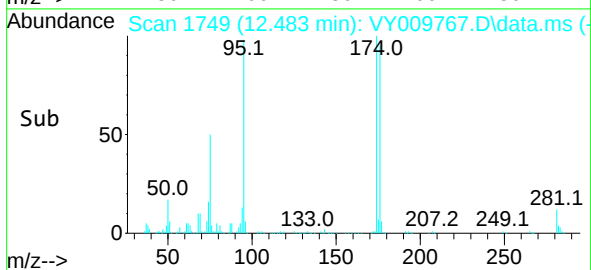
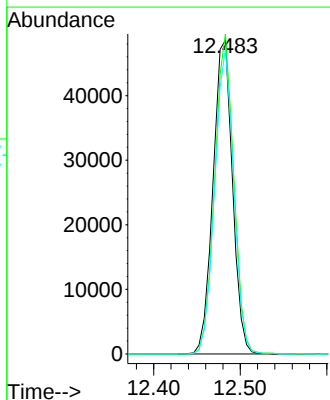
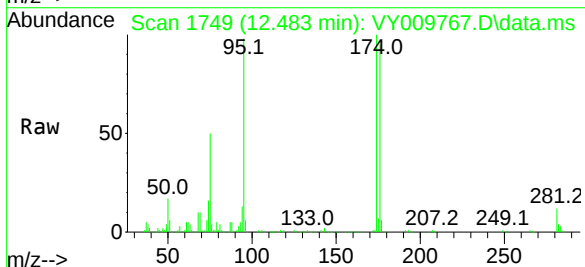
Instrument :  
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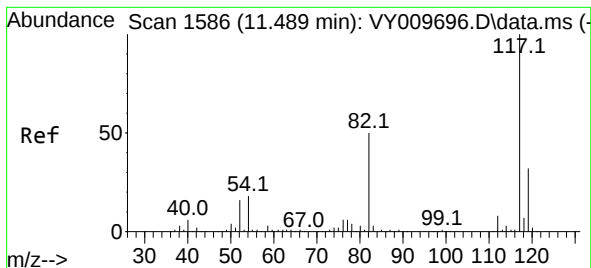
Tgt Ion: 98 Resp: 262015  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 36.955 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY009767.D  
Acq: 29 Jul 2022 13:01

Tgt Ion: 95 Resp: 75688  
Ion Ratio Lower Upper  
95 100  
174 100.1 0.0 177.0  
176 95.4 0.0 175.8

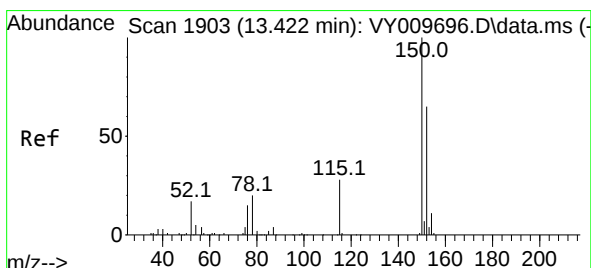
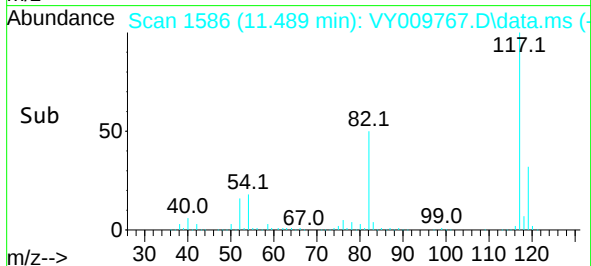
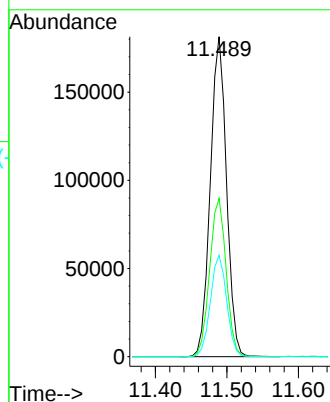
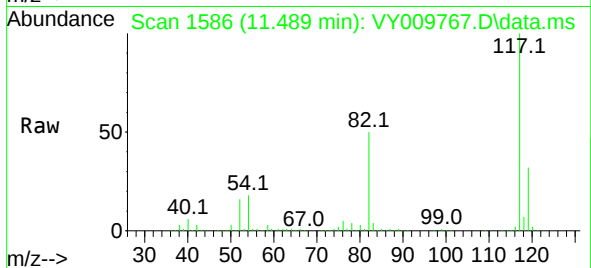




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY009767.D  
Acq: 29 Jul 2022 13:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0729SBL01

Tgt Ion:117 Resp: 284810  
Ion Ratio Lower Upper  
117 100  
82 49.5 43.0 64.4  
119 31.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY009767.D  
Acq: 29 Jul 2022 13:01

Tgt Ion:152 Resp: 120836  
Ion Ratio Lower Upper  
152 100  
115 54.0 28.2 84.7  
150 158.0 0.0 347.6

