

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041122\  
 Data File : VY008278.D  
 Acq On : 11 Apr 2022 17:22  
 Operator : KP/MD  
 Sample : N2329-03  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RBR-346

Quant Time: Apr 12 06:59:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 63035    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 106714   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 94498    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 40521    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 29199    | 49.314   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.620%  |
| 35) Dibromofluoromethane    | 7.715  | 113   | 32219    | 52.273   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.540% |
| 50) Toluene-d8              | 10.178 | 98    | 125290   | 59.405   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 118.820% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 39484    | 49.774   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 99.540%  |

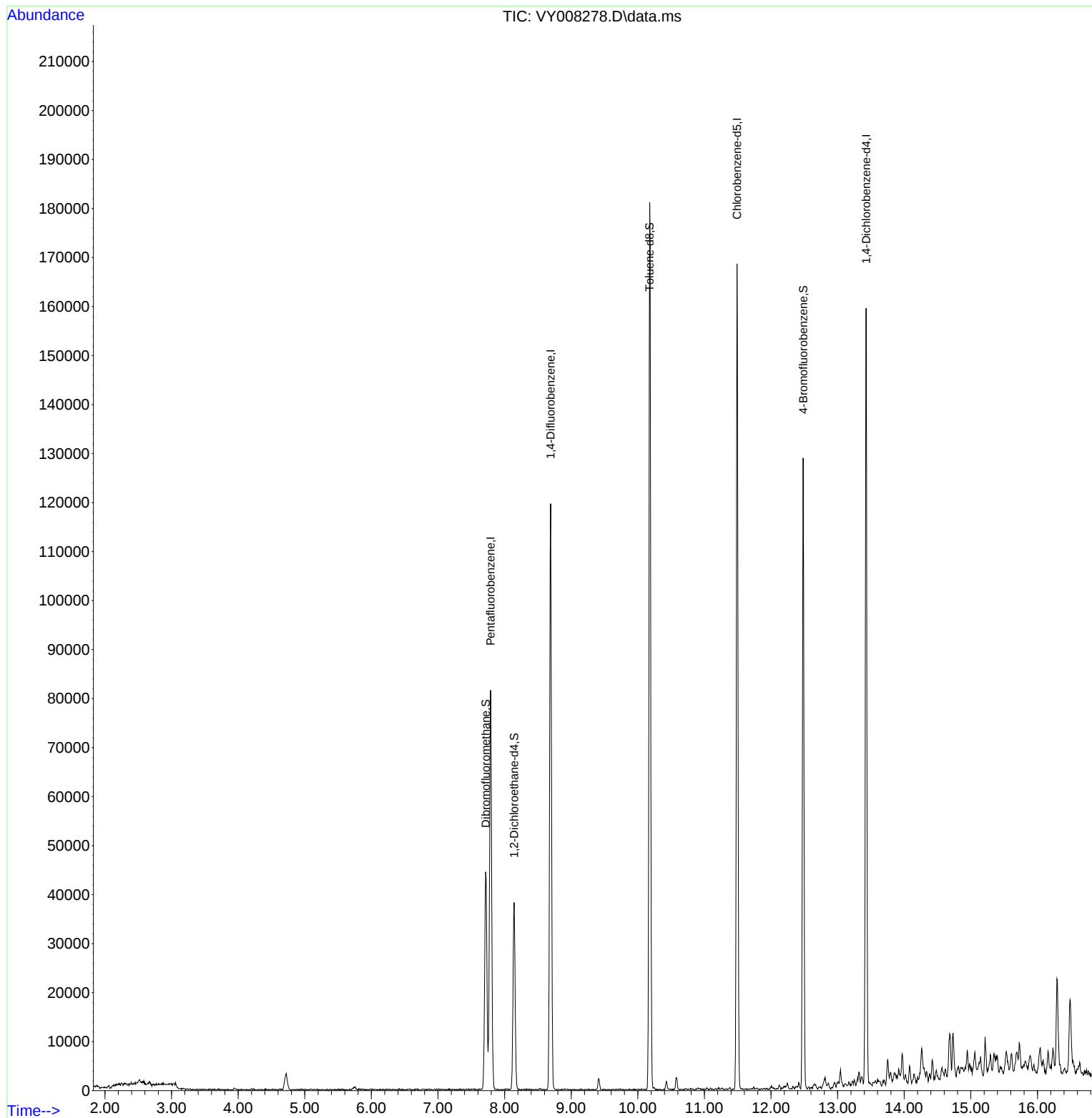
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

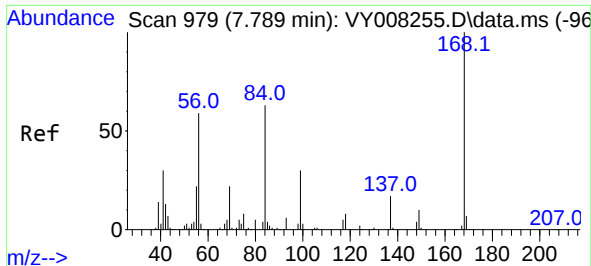
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

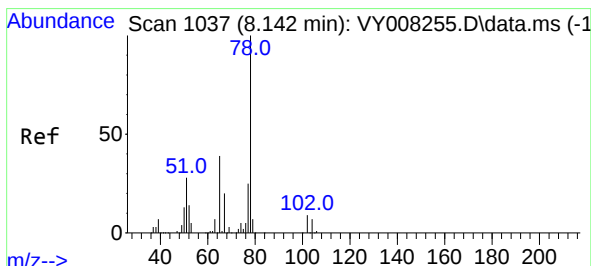
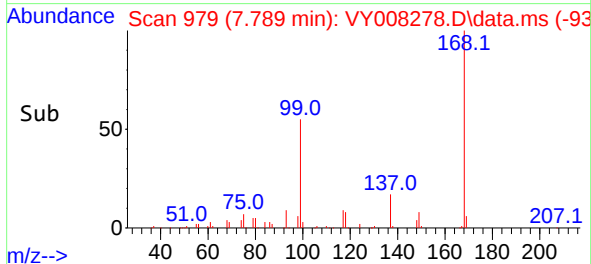
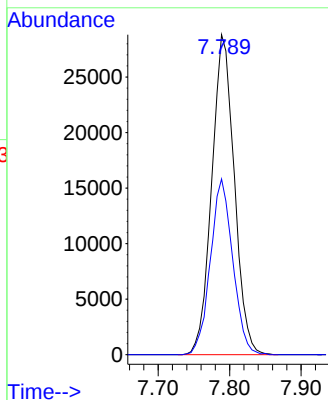
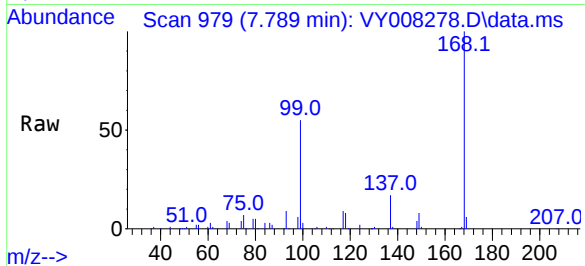




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008278.D  
Acq: 11 Apr 2022 17:22

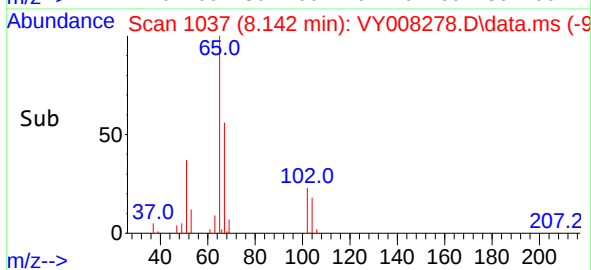
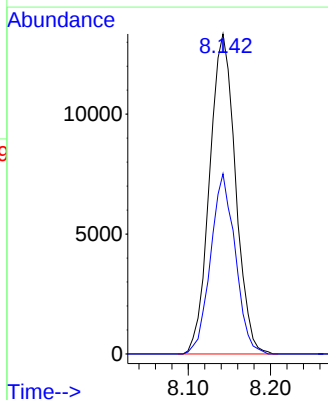
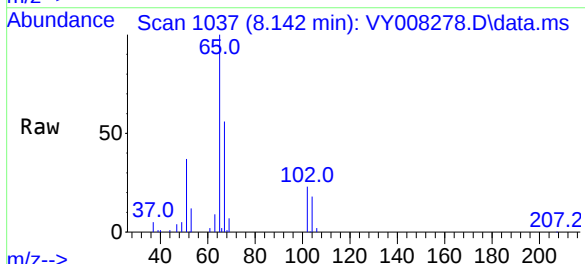
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-346

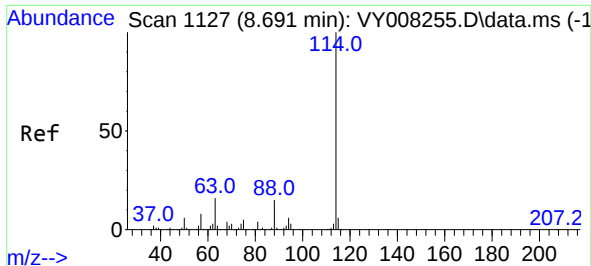
Tgt Ion:168 Resp: 63035  
Ion Ratio Lower Upper  
168 100  
99 54.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 49.314 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY008278.D  
Acq: 11 Apr 2022 17:22

Tgt Ion: 65 Resp: 29199  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY008278.D

Acq: 11 Apr 2022 17:22

Instrument :

MSVOA\_Y

ClientSampleId :

RBR-346

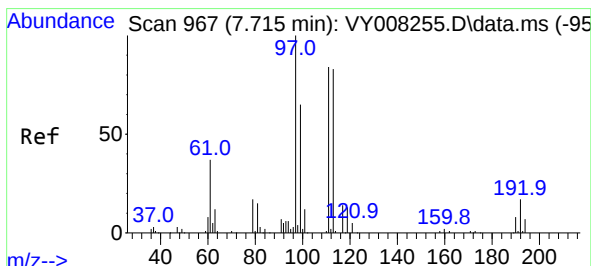
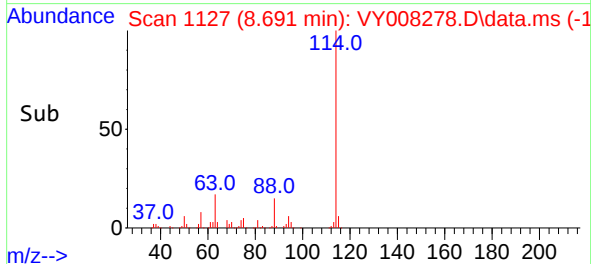
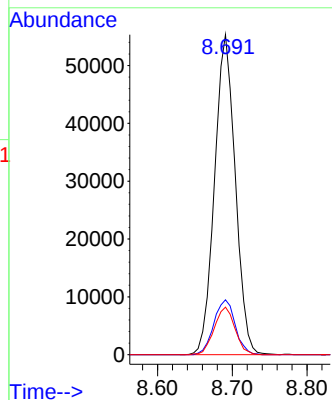
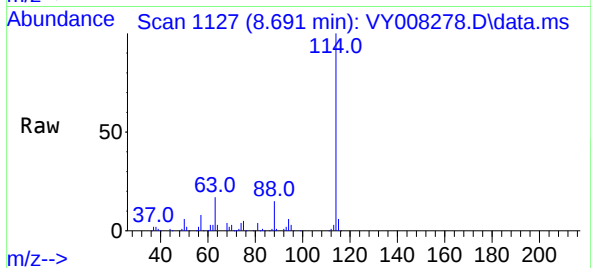
Tgt Ion:114 Resp: 106714

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.273 ug/l

RT: 7.715 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008278.D

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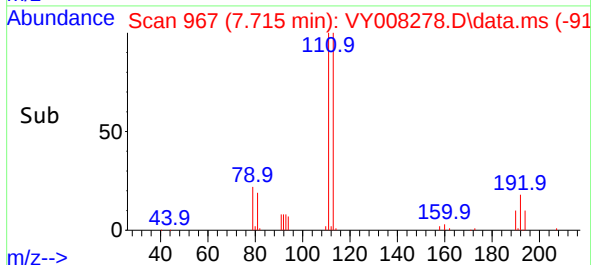
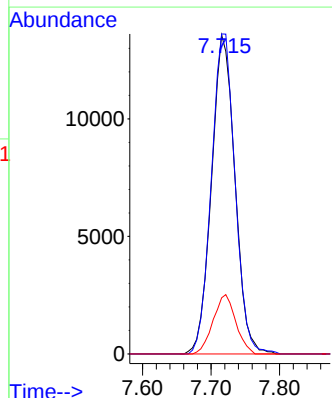
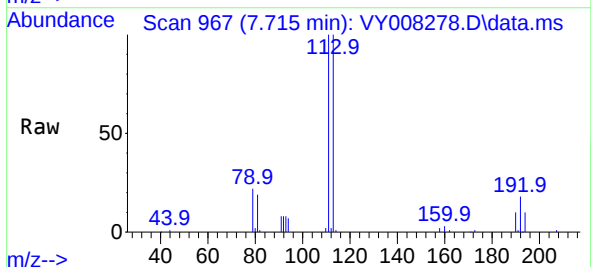
Tgt Ion:113 Resp: 32219

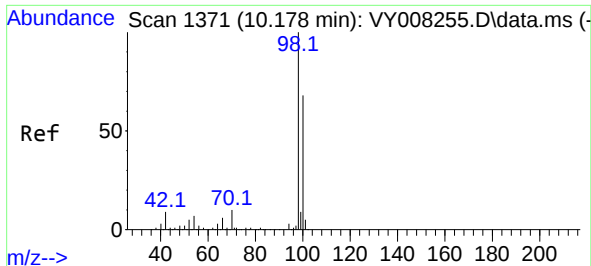
Ion Ratio Lower Upper

113 100

111 101.4 82.6 124.0

192 18.0 17.6 26.4

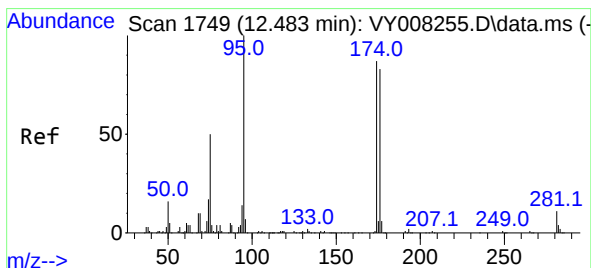
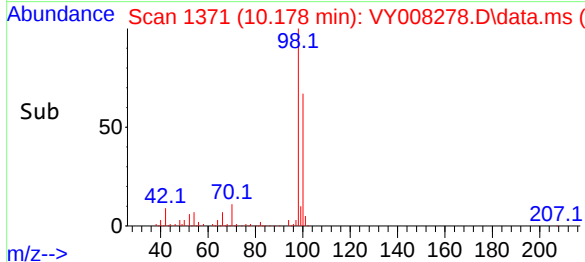
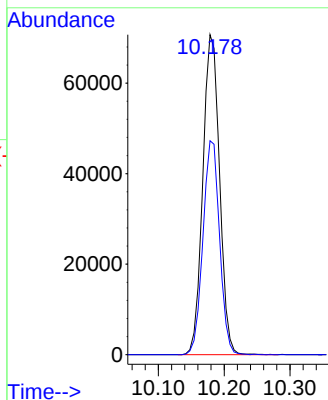
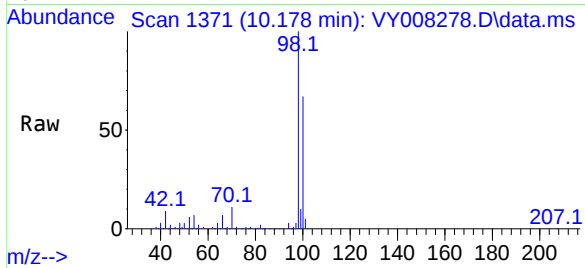




#50  
Toluene-d8  
Concen: 59.405 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008278.D  
Acq: 11 Apr 2022 17:22

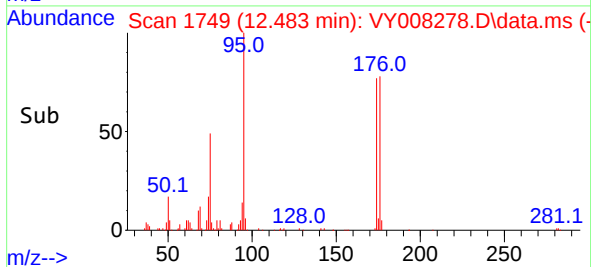
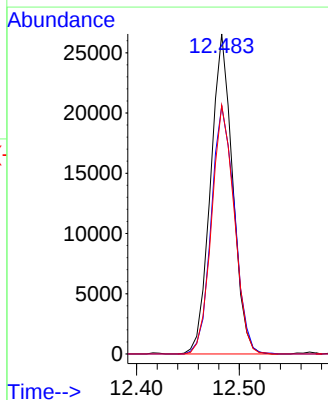
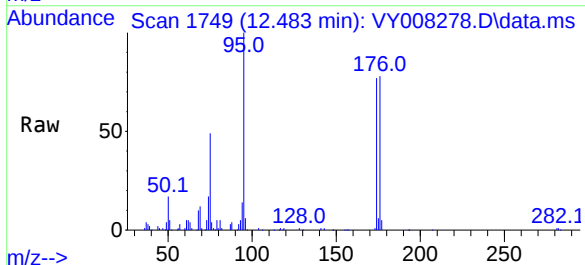
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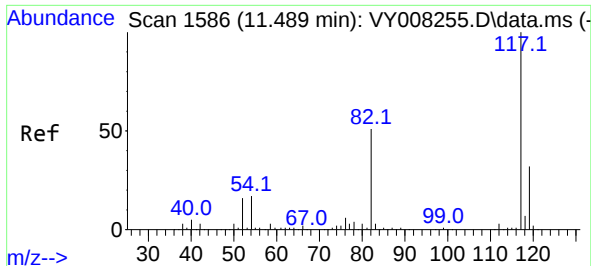
Tgt Ion: 98 Resp: 125290  
Ion Ratio Lower Upper  
98 100  
100 66.3 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 49.774 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY008278.D  
Acq: 11 Apr 2022 17:22

Tgt Ion: 95 Resp: 39484  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 177.0  
176 79.5 0.0 175.8

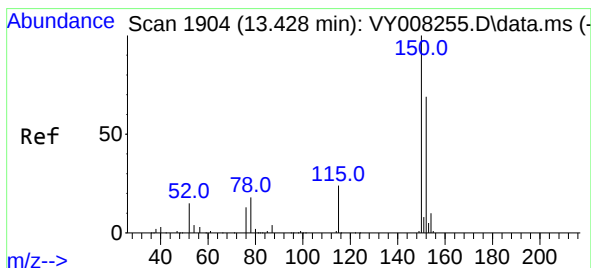
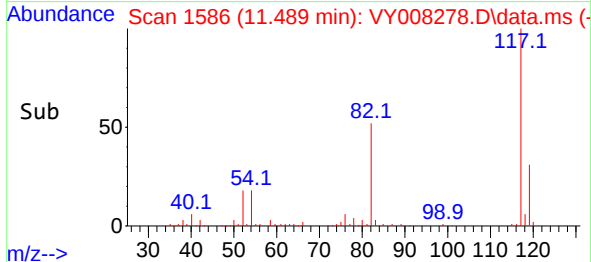
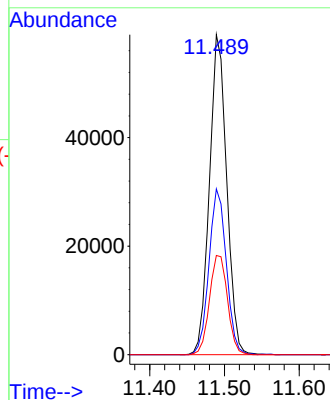
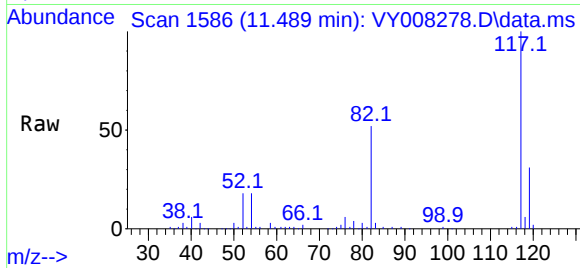




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008278.D  
Acq: 11 Apr 2022 17:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-346

Tgt Ion:117 Resp: 94498  
Ion Ratio Lower Upper  
117 100  
82 51.8 43.0 64.4  
119 31.0 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: VY008278.D  
Acq: 11 Apr 2022 17:22

Tgt Ion:152 Resp: 40521  
Ion Ratio Lower Upper  
152 100  
115 58.4 28.2 84.7  
150 157.7 0.0 347.6

