

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080922\  
 Data File : VY009930.D  
 Acq On : 09 Aug 2022 19:23  
 Operator : KP/MD  
 Sample : N4086-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RLA-4711-WC

Quant Time: Aug 09 23:09:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 08 17:55:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.782  | 168  | 41613    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 86007    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 90579    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 40505    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 19528    | 61.236   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 122.480% |
| 35) Dibromofluoromethane    | 7.709  | 113   | 17116    | 36.660   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 73.320%  |
| 50) Toluene-d8              | 10.172 | 98    | 62316    | 43.140   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 86.280%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 19754    | 30.302   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 60.600%  |

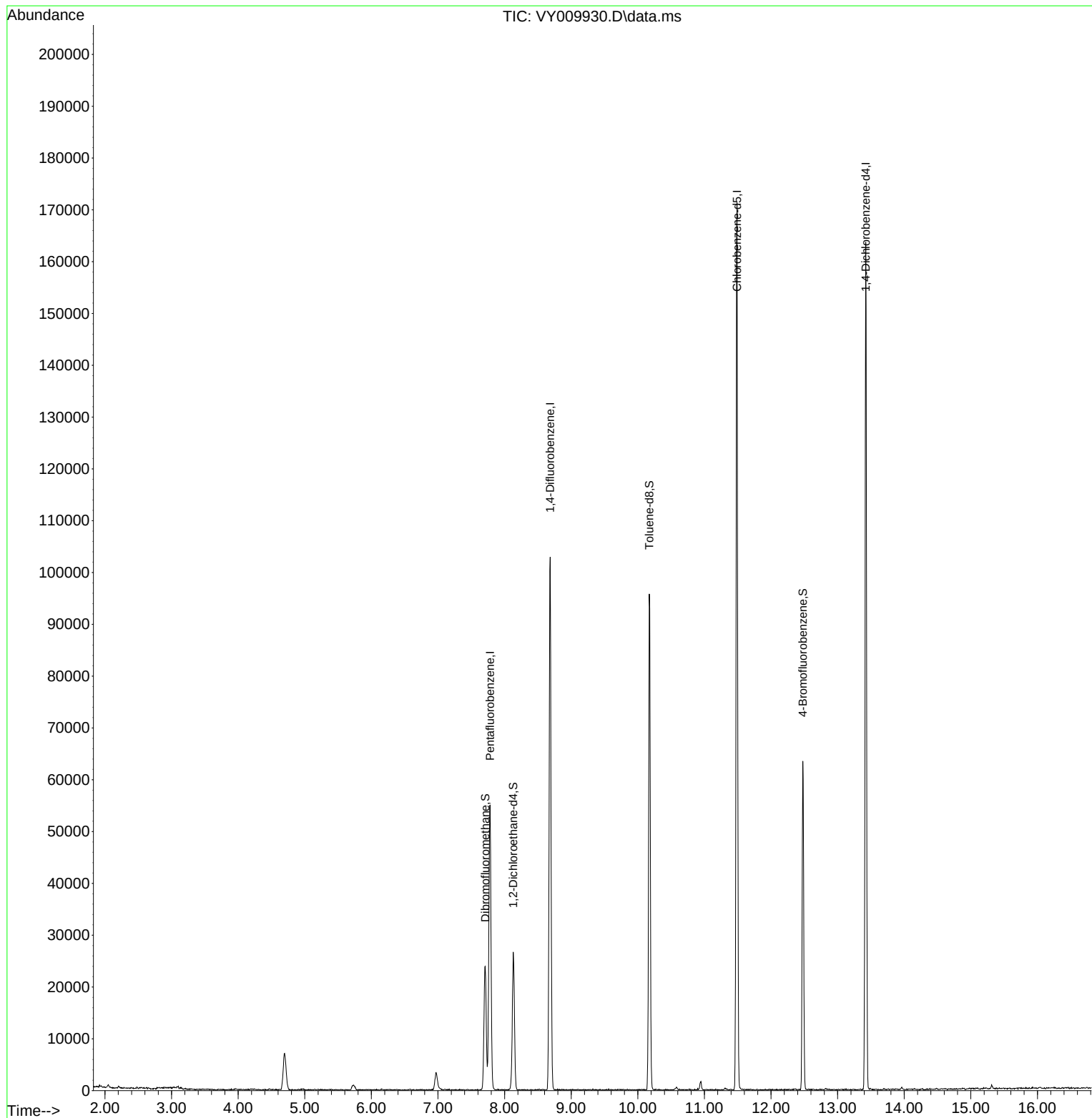
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

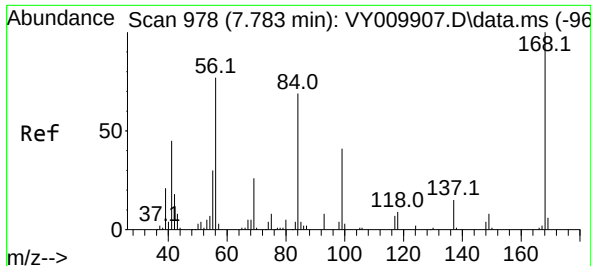
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Aug 08 17:55:50 2022  
Response via : Initial Calibration

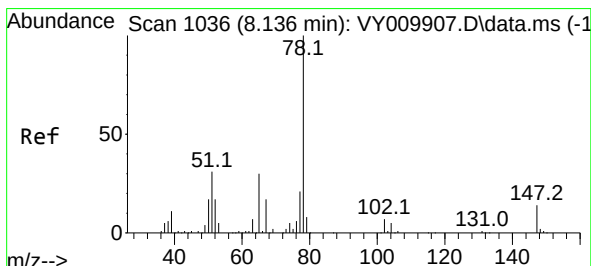
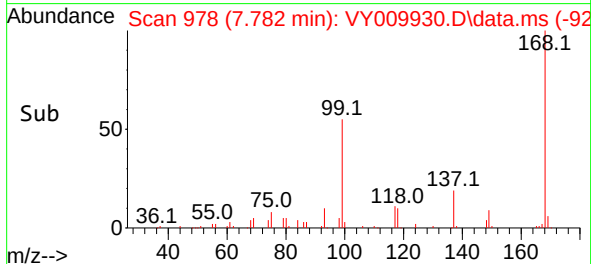
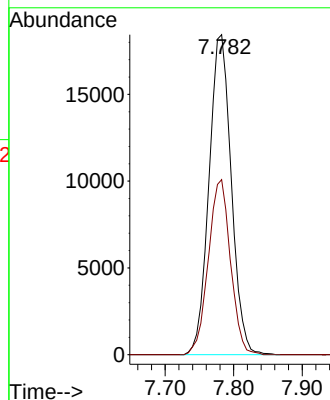
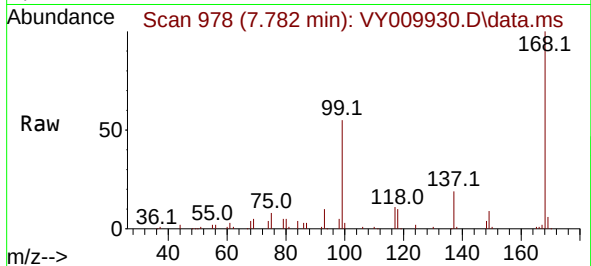




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY009930.D  
Acq: 09 Aug 2022 19:23

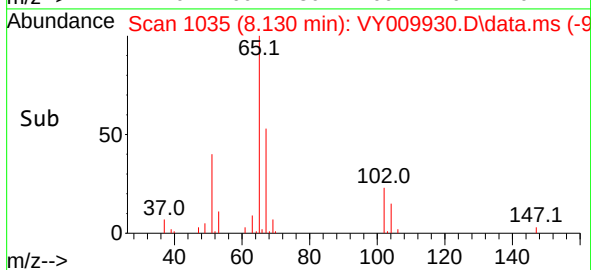
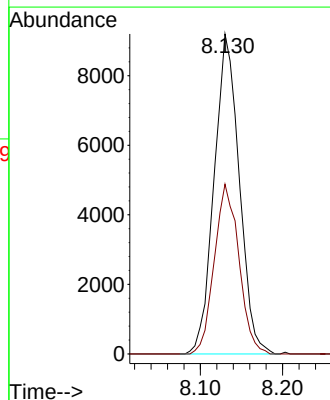
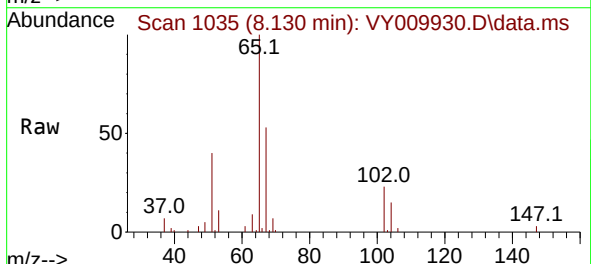
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RLA-4711-WC

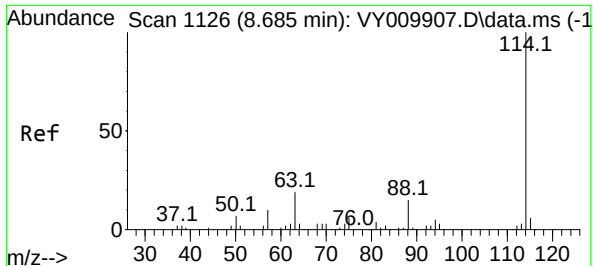
Tgt Ion:168 Resp: 41613  
Ion Ratio Lower Upper  
168 100  
99 54.7 42.1 63.1



#33  
1,2-Dichloroethane-d4  
Concen: 61.236 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VY009930.D  
Acq: 09 Aug 2022 19:23

Tgt Ion: 65 Resp: 19528  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009930.D

Acq: 09 Aug 2022 19:23

Instrument :

MSVOA\_Y

ClientSampleId :

RLA-4711-WC

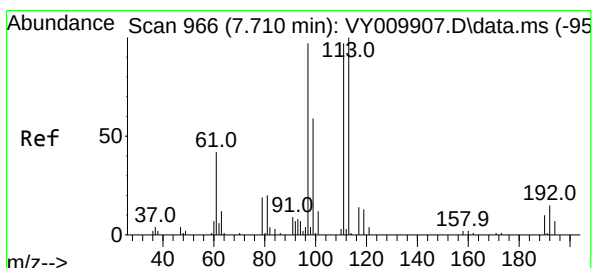
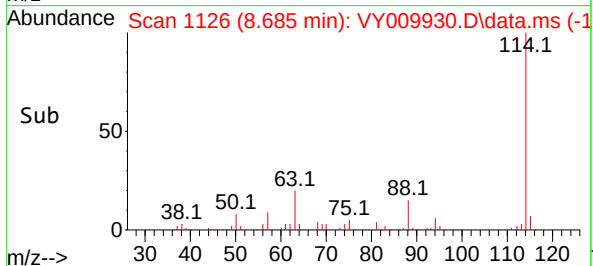
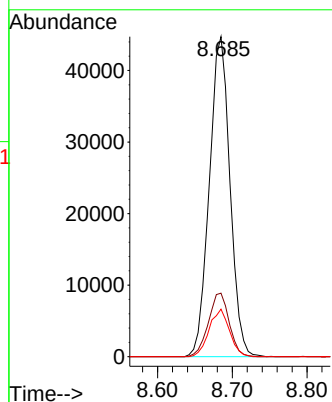
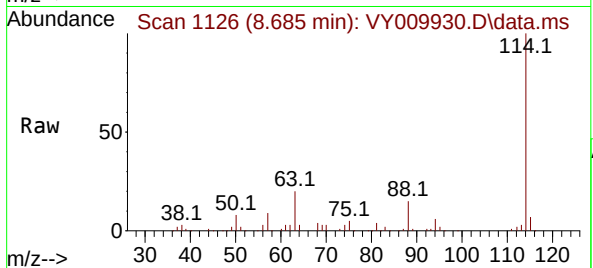
Tgt Ion:114 Resp: 86007

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 36.660 ug/l

RT: 7.709 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009930.D

Acq: 09 Aug 2022 19:23

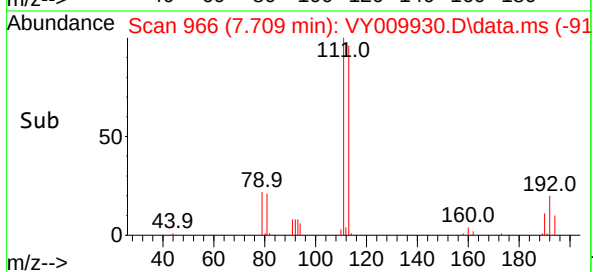
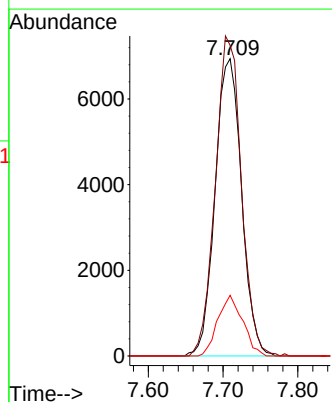
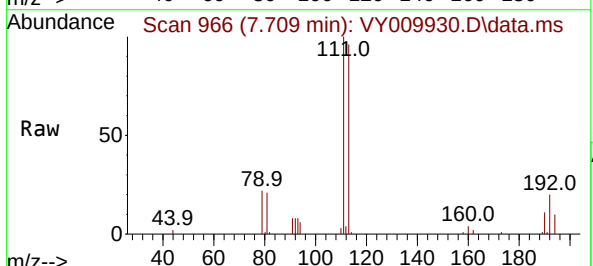
Tgt Ion:113 Resp: 17116

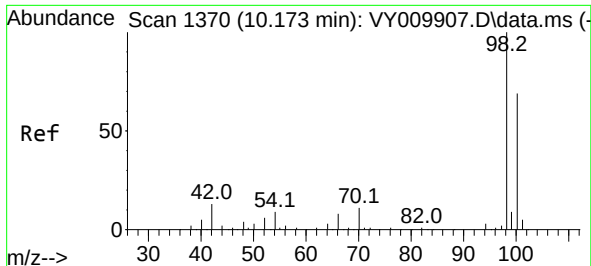
Ion Ratio Lower Upper

113 100

111 105.8 80.6 120.8

192 19.2 16.2 24.4

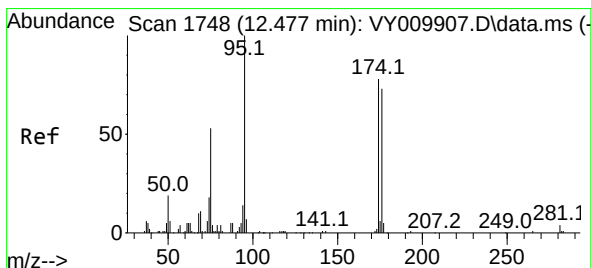
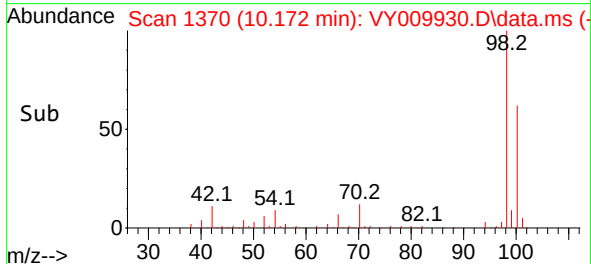
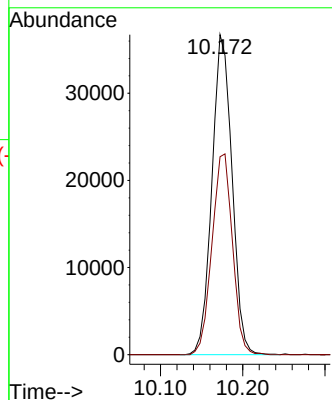
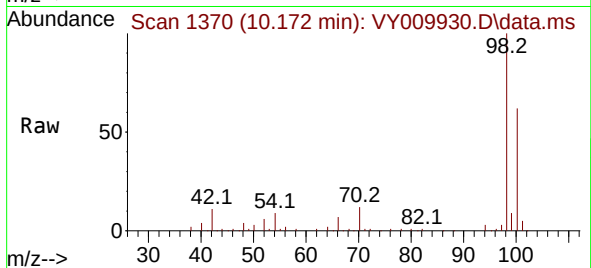




#50  
Toluene-d8  
Concen: 43.140 ug/l  
RT: 10.172 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009930.D  
Acq: 09 Aug 2022 19:23

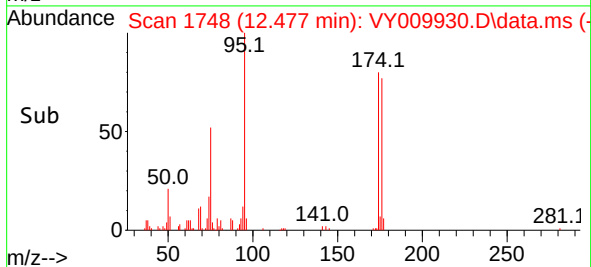
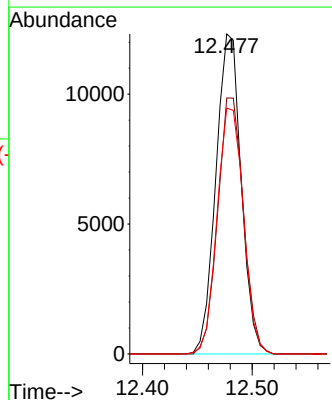
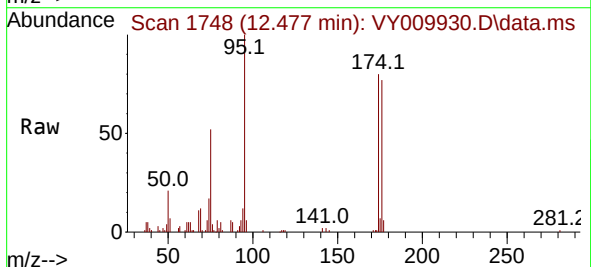
Instrument :  
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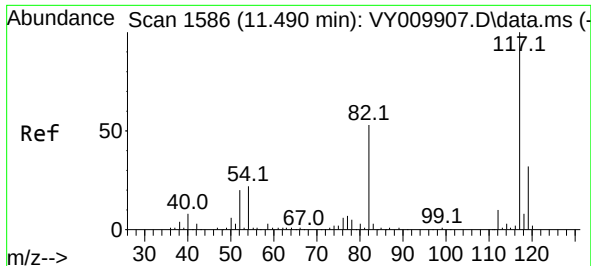
Tgt Ion: 98 Resp: 62316  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 30.302 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009930.D  
Acq: 09 Aug 2022 19:23

Tgt Ion: 95 Resp: 19754  
Ion Ratio Lower Upper  
95 100  
174 81.5 0.0 173.8  
176 79.9 0.0 167.0

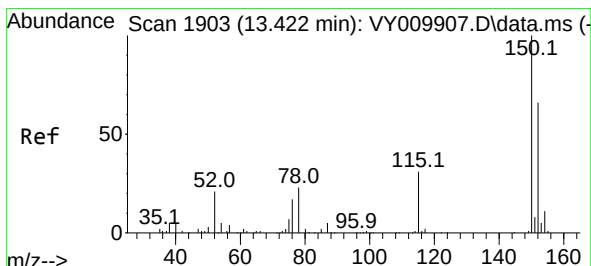
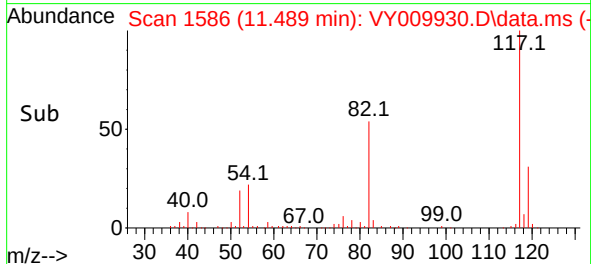
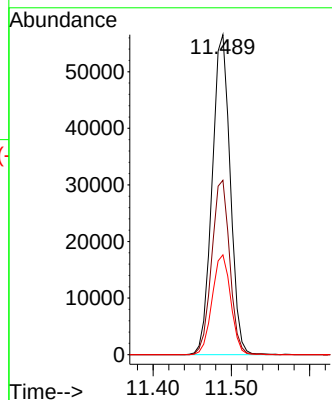
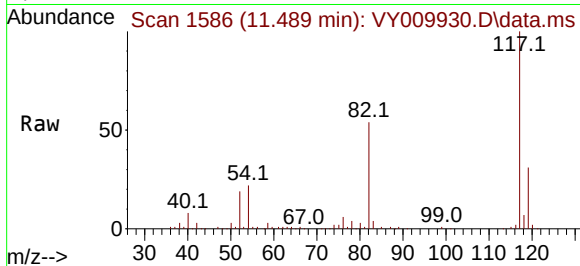




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009930.D  
Acq: 09 Aug 2022 19:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RLA-4711-WC

Tgt Ion:117 Resp: 90579  
Ion Ratio Lower Upper  
117 100  
82 54.5 41.8 62.6  
119 31.2 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY009930.D  
Acq: 09 Aug 2022 19:23

Tgt Ion:152 Resp: 40505  
Ion Ratio Lower Upper  
152 100  
115 59.8 28.6 85.9  
150 159.0 0.0 349.8

