

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050224\  
 Data File : VY018117.D  
 Acq On : 02 May 2024 15:18  
 Operator : SY/MD  
 Sample : P2337-03  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RB21155-SOIL

Quant Time: May 02 23:04:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050124S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 16:21:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 287453   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 505877   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 436165   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 168274   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 108381   | 47.833   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.660% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 142138   | 48.893   | ug/l | -0.01   |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.780% |
| 50) Toluene-d8              | 10.179 | 98    | 551995   | 48.637   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.280% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 170783   | 43.726   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 87.460% |

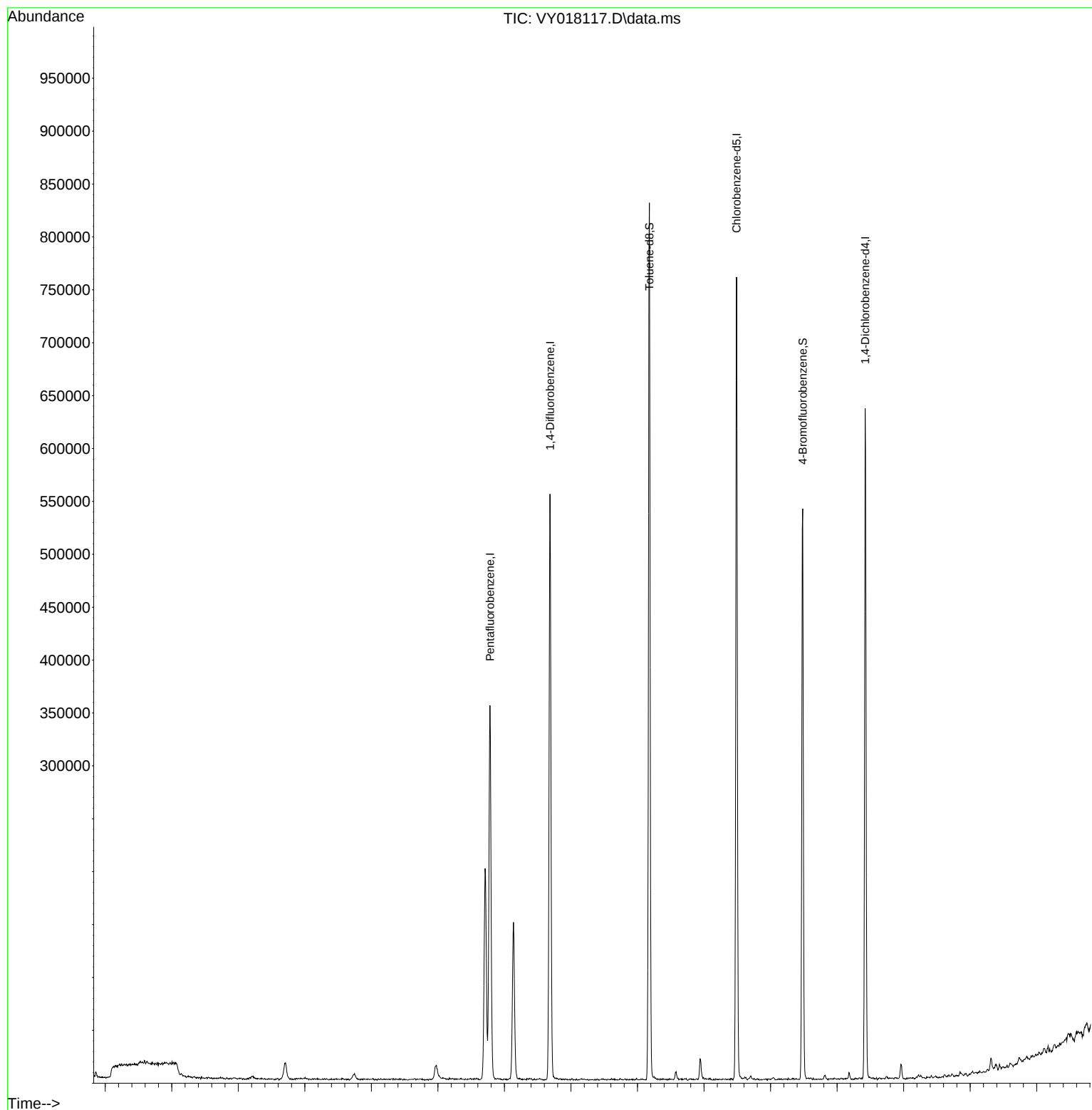
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

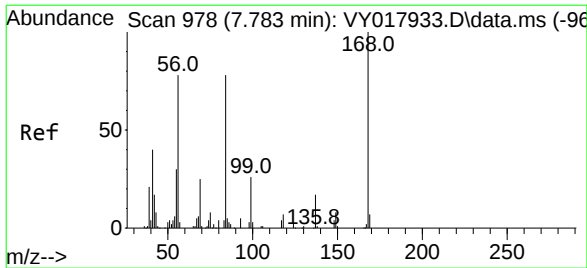
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 01 16:21:20 2024  
Response via : Initial Calibration

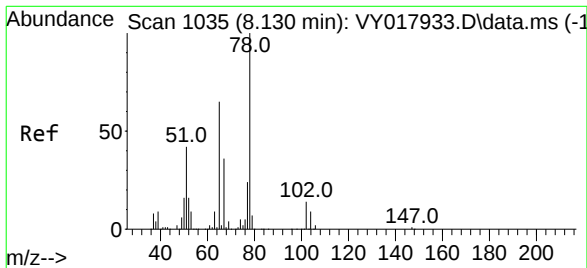
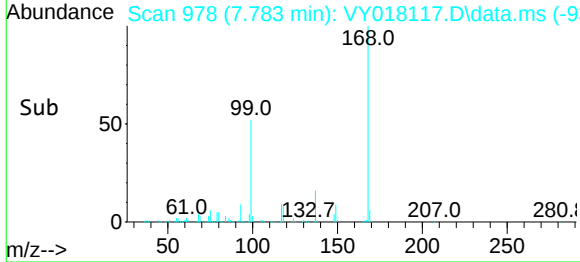
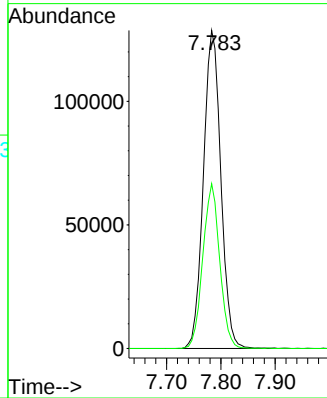
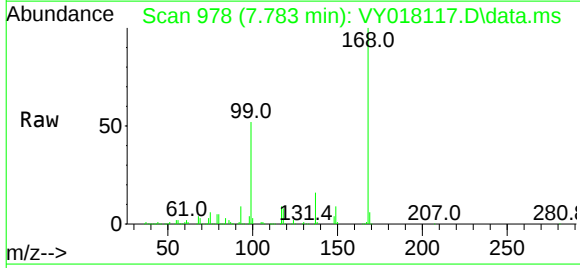




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 97  
Delta R.T. -0.006 min  
Lab File: VY018117.D  
Acq: 02 May 2024 15:18

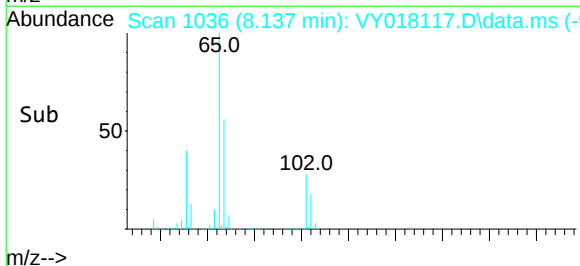
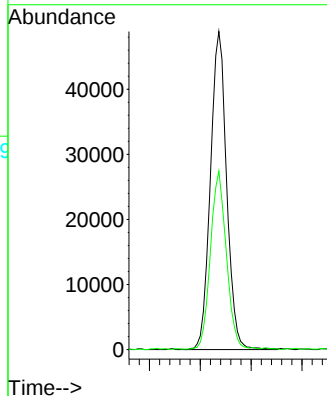
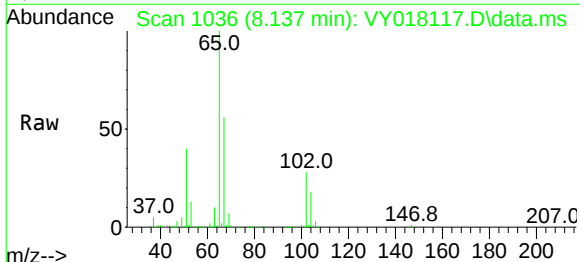
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB21155-SOIL

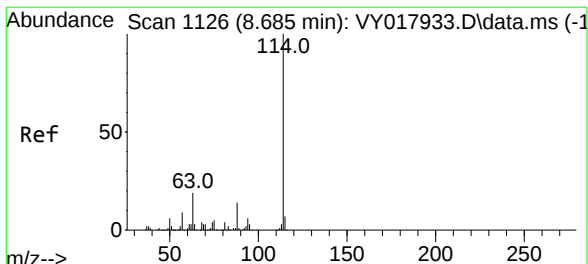
Tgt Ion:168 Resp: 287453  
Ion Ratio Lower Upper  
168 100  
99 51.8 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 47.833 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.005 min  
Lab File: VY018117.D  
Acq: 02 May 2024 15:18

Tgt Ion: 65 Resp: 108381  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 109.6

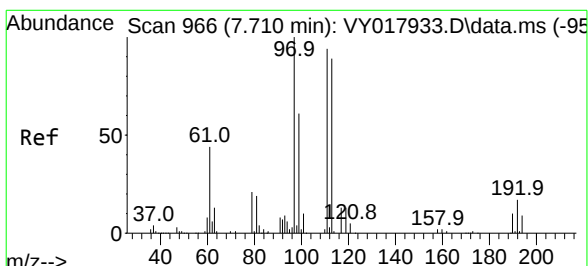
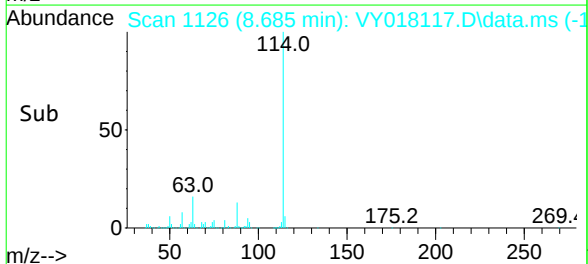
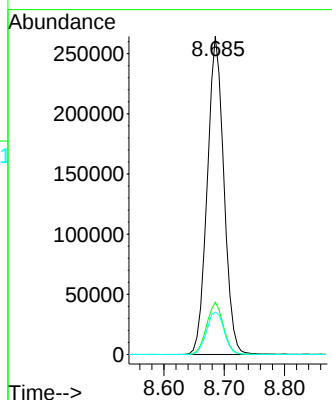
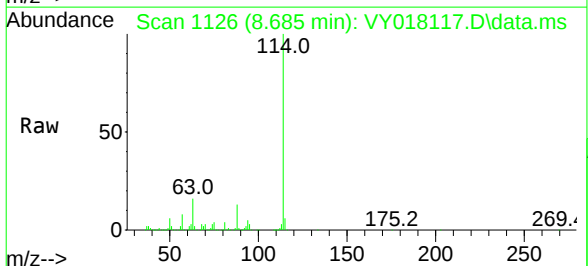




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VY018117.D  
 Acq: 02 May 2024 15:18

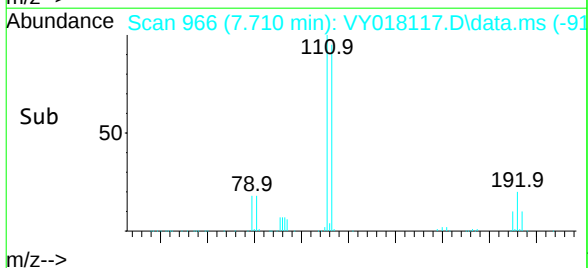
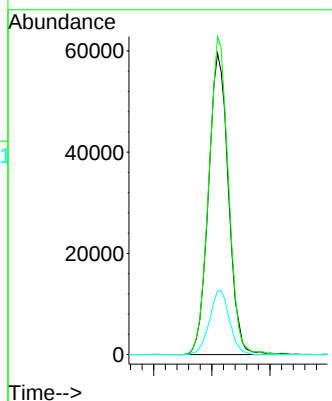
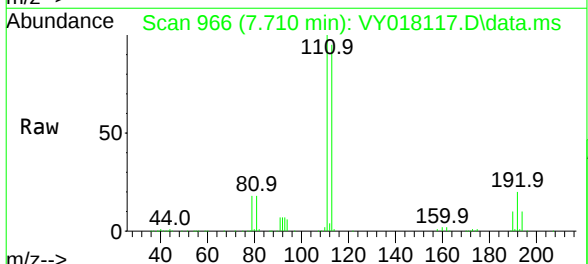
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RB21155-SOIL

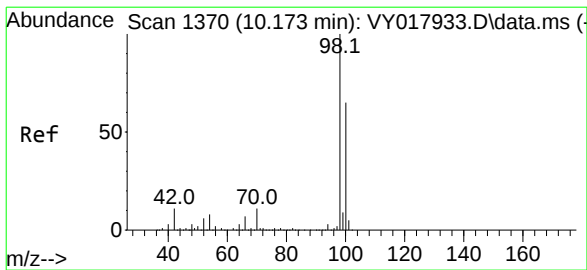
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 505877 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 16.5  | 0.0   | 35.0   |
| 88       | 13.3  | 0.0   | 27.2   |



#35  
 Dibromofluoromethane  
 Concen: 48.893 ug/l  
 RT: 7.710 min Scan# 966  
 Delta R.T. -0.012 min  
 Lab File: VY018117.D  
 Acq: 02 May 2024 15:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 142138 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.7 | 82.2  | 123.4  |
| 192      | 21.4  | 15.9  | 23.9   |





#50

Toluene-d8

Concen: 48.637 ug/l

RT: 10.179 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY018117.D

Acq: 02 May 2024 15:18

Instrument :

MSVOA\_Y

ClientSampleId :

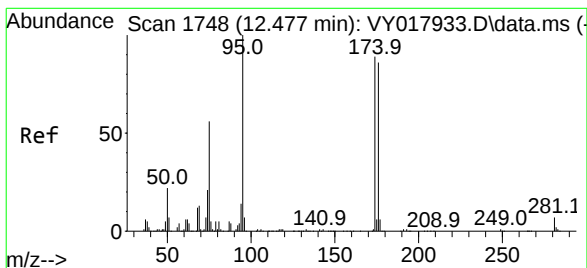
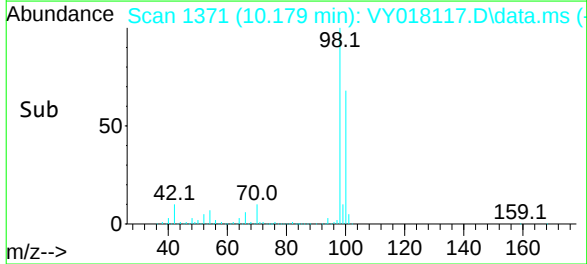
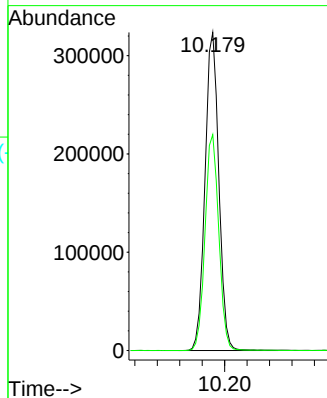
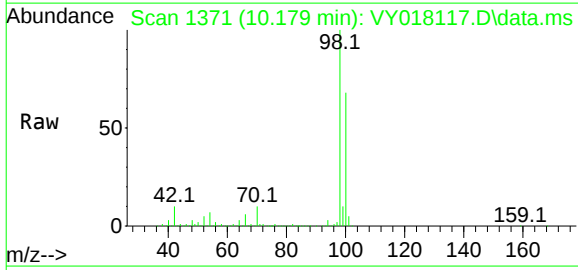
RB21155-SOIL

Tgt Ion: 98 Resp: 551995

Ion Ratio Lower Upper

98 100

100 67.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 43.726 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY018117.D

Acq: 02 May 2024 15:18

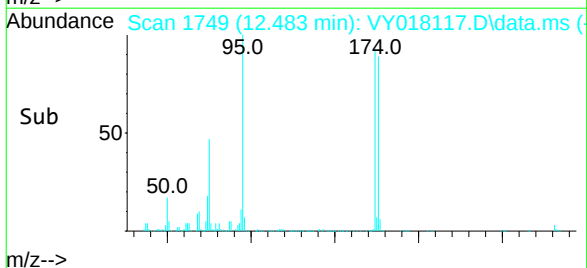
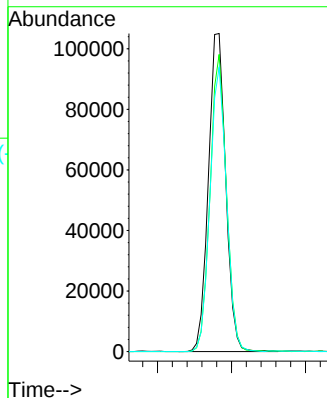
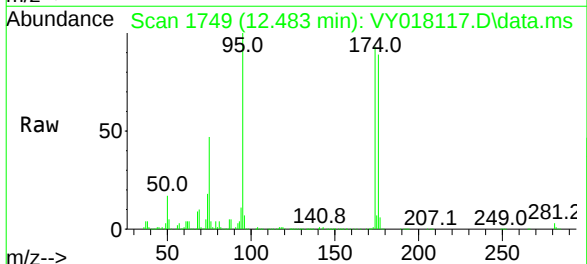
Tgt Ion: 95 Resp: 170783

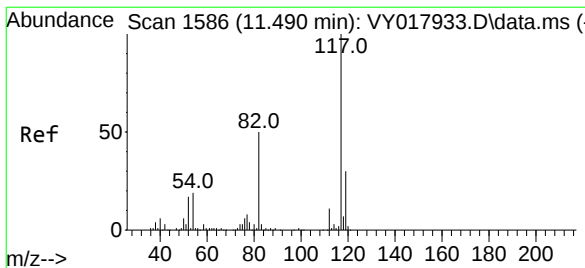
Ion Ratio Lower Upper

95 100

174 87.9 0.0 175.6

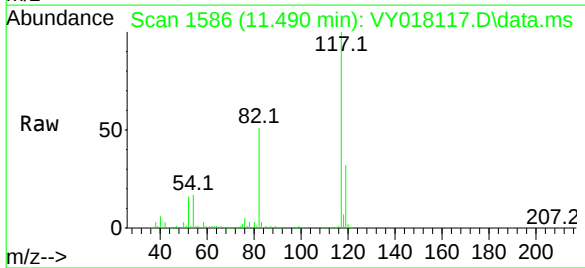
176 85.4 0.0 171.4



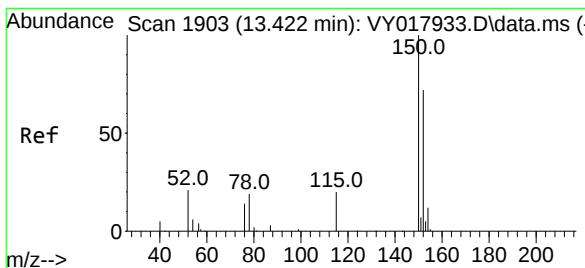
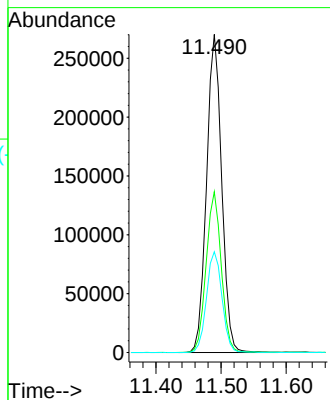
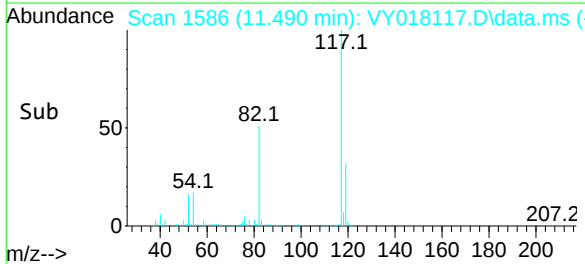


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY018117.D  
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ClientSampleId :  
RB21155-SOIL



Tgt Ion:117 Resp: 436165  
Ion Ratio Lower Upper  
117 100  
82 50.5 42.4 63.6  
119 31.7 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY018117.D  
Acq: 02 May 2024 15:18

Tgt Ion:152 Resp: 168274  
Ion Ratio Lower Upper  
152 100  
115 56.9 28.2 84.7  
150 157.7 0.0 345.6

