

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112124\  
 Data File : VY020388.D  
 Acq On : 21 Nov 2024 15:43  
 Operator : SY/MD  
 Sample : P4892-02  
 Misc : 8.35g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WB-310-BOT

Quant Time: Nov 22 00:25:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 04:38:24 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 101228   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 155710   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 106499   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 34165    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 35657    | 30.660   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 61.320%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 40001    | 40.063   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 80.120%  |
| 50) Toluene-d8              | 10.109 | 98    | 177354   | 45.092   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 90.180%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 40539    | 32.062   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 64.120%  |

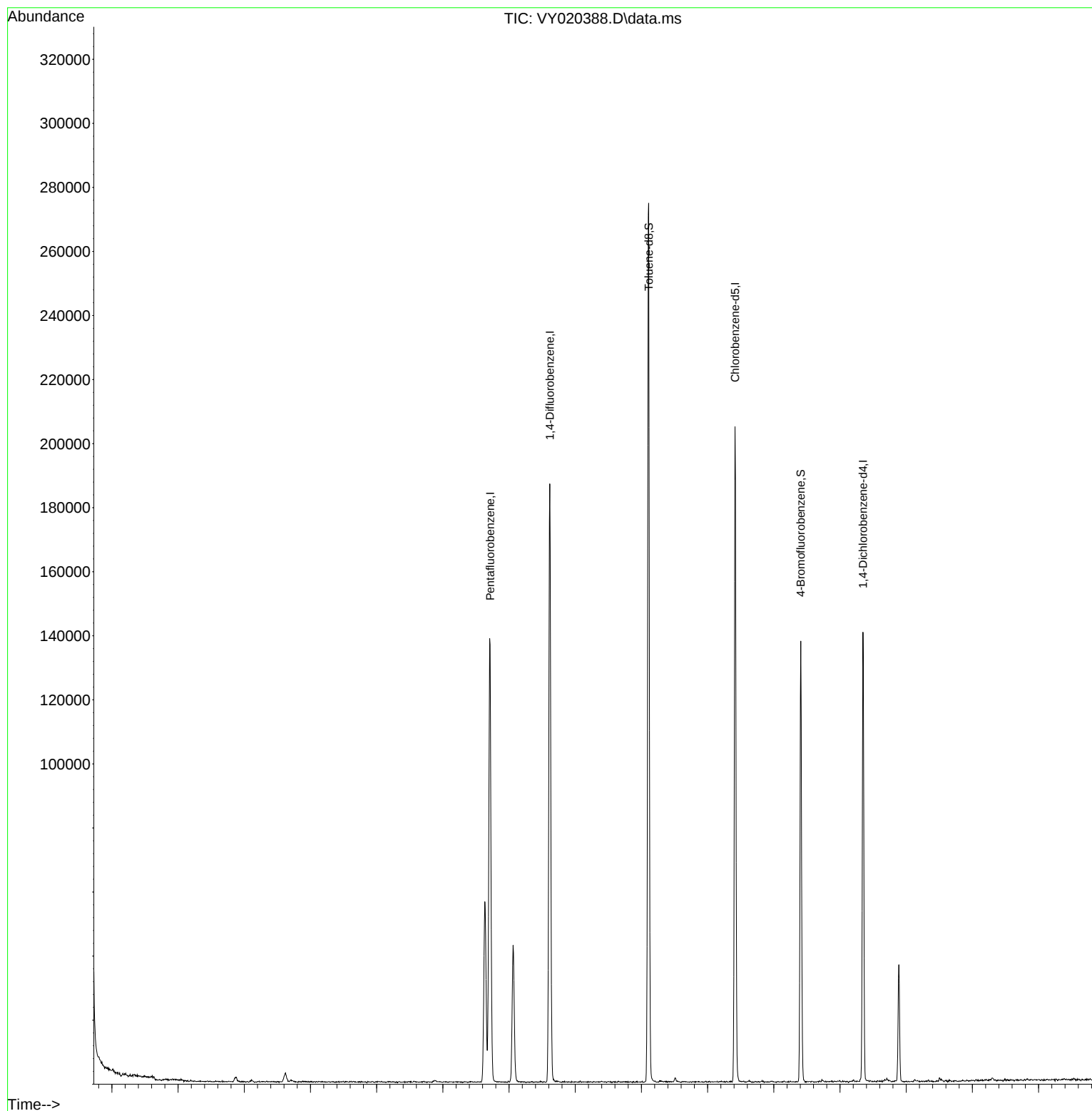
Target Compounds Qvalue

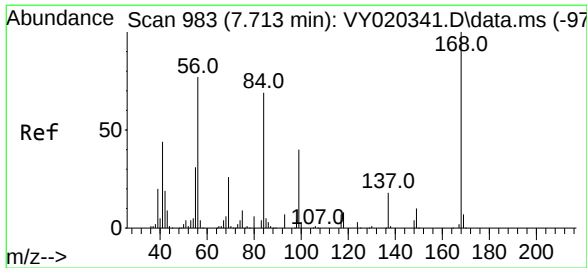
-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112124\  
Data File : VY020388.D  
Acq On : 21 Nov 2024 15:43  
Operator : SY/MD  
Sample : P4892-02  
Misc : 8.35g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WB-310-BOT

Quant Time: Nov 22 00:25:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 20 04:38:24 2024  
Response via : Initial Calibration

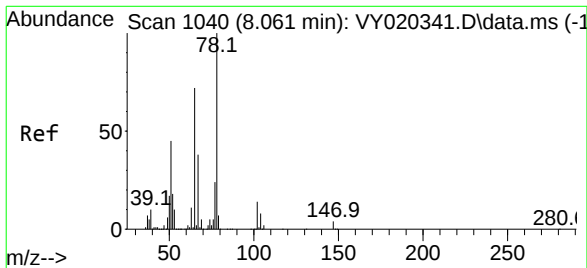
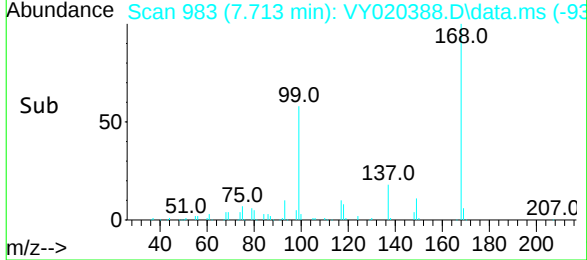
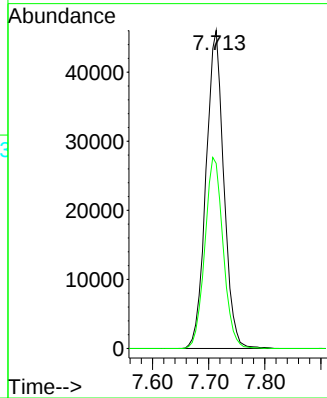
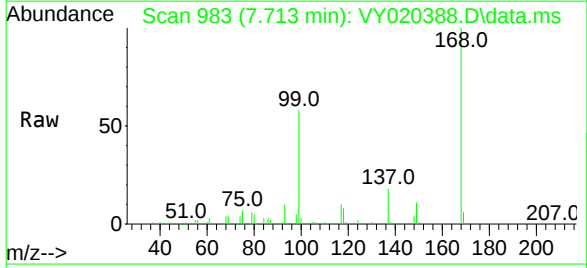




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY020388.D  
Acq: 21 Nov 2024 15:43

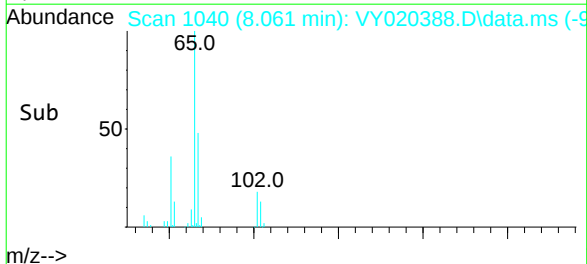
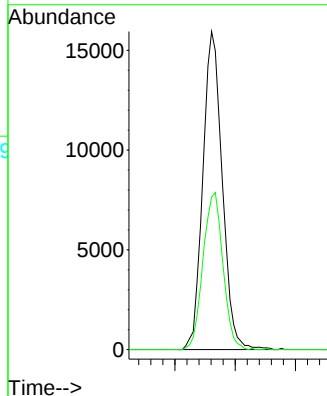
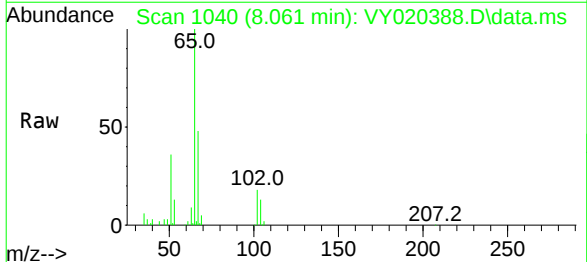
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WB-310-BOT

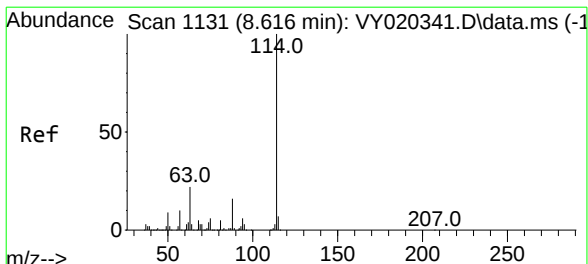
Tgt Ion:168 Resp: 101228  
Ion Ratio Lower Upper  
168 100  
99 58.2 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 30.660 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY020388.D  
Acq: 21 Nov 2024 15:43

Tgt Ion: 65 Resp: 35657  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 105.8

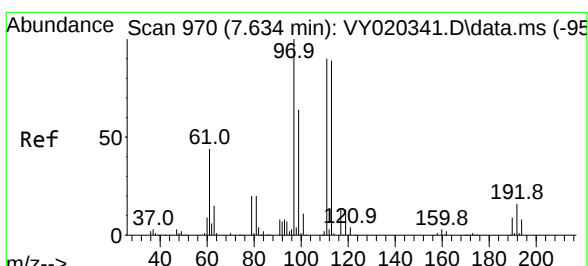
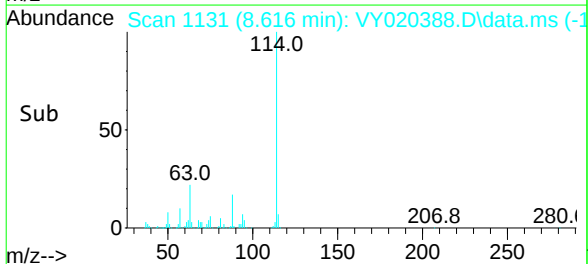
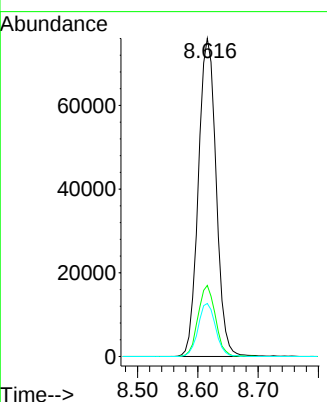
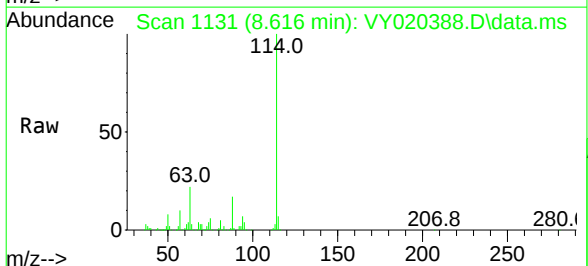




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. -0.000 min  
 Lab File: VY020388.D  
 Acq: 21 Nov 2024 15:43

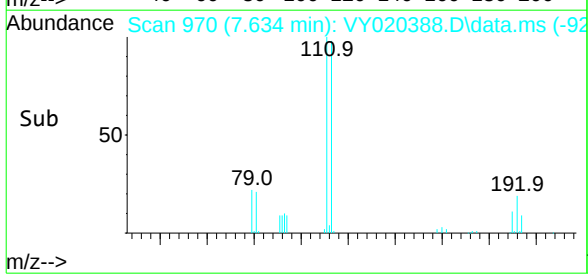
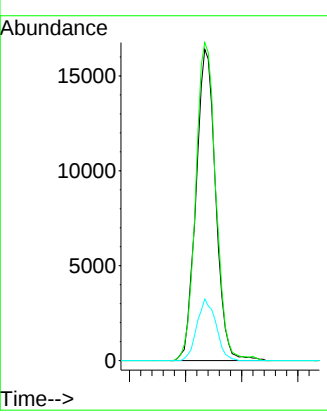
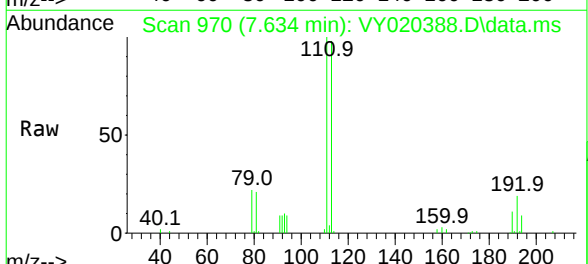
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WB-310-BOT

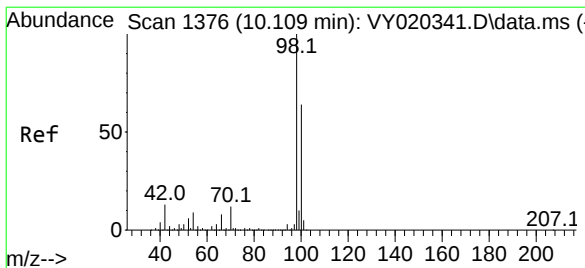
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 155710 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.3  | 0.0   | 44.8   |
| 88       | 16.7  | 0.0   | 32.0   |



#35  
 Dibromofluoromethane  
 Concen: 40.063 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. -0.000 min  
 Lab File: VY020388.D  
 Acq: 21 Nov 2024 15:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 40001 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.4 | 81.4  | 122.0 |
| 192      | 19.1  | 15.1  | 22.7  |





#50

Toluene-d8

Concen: 45.092 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020388.D

Acq: 21 Nov 2024 15:43

Instrument :

MSVOA\_Y

ClientSampleId :

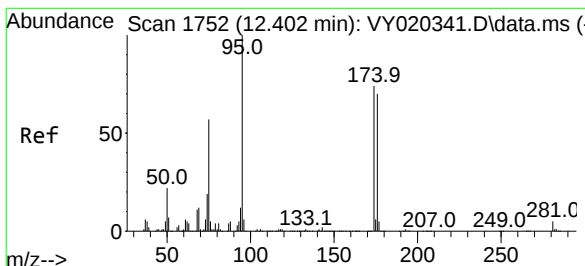
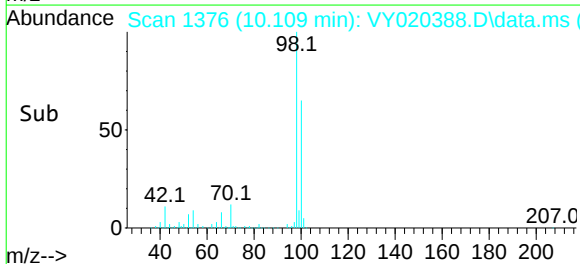
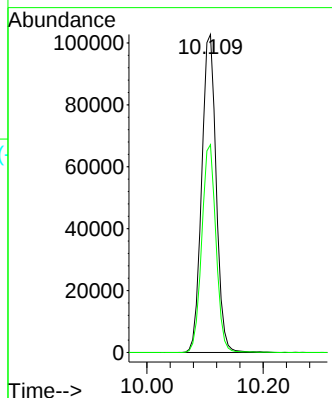
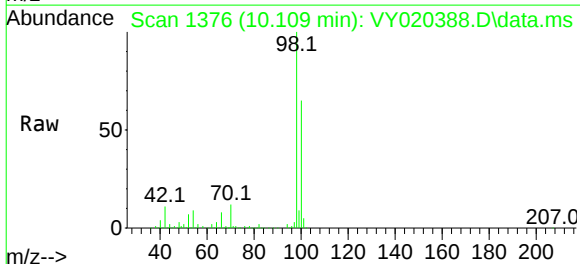
WB-310-BOT

Tgt Ion: 98 Resp: 177354

Ion Ratio Lower Upper

98 100

100 64.4 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 32.062 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020388.D

Acq: 21 Nov 2024 15:43

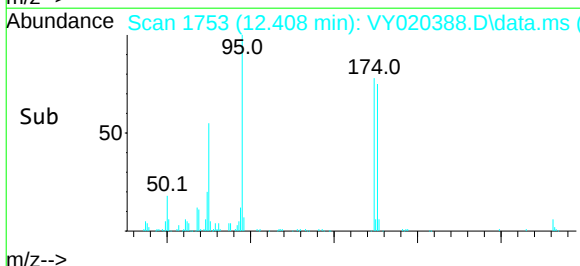
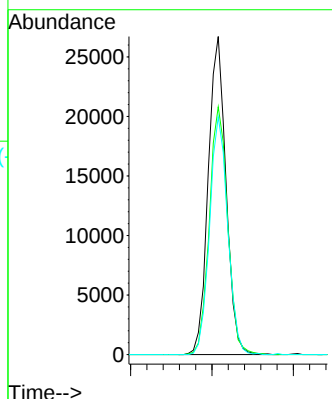
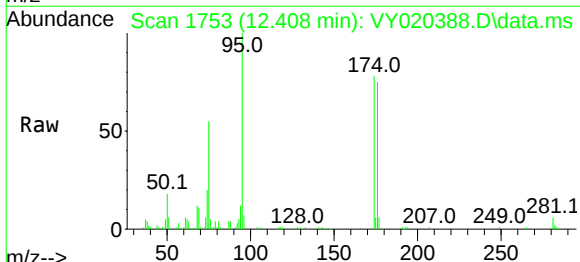
Tgt Ion: 95 Resp: 40539

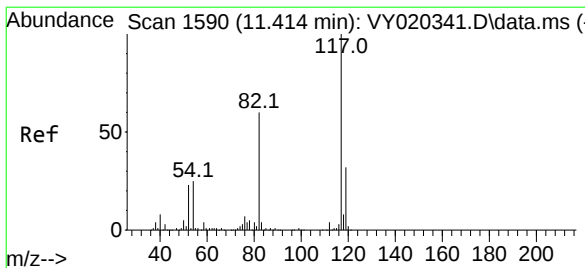
Ion Ratio Lower Upper

95 100

174 80.2 0.0 156.8

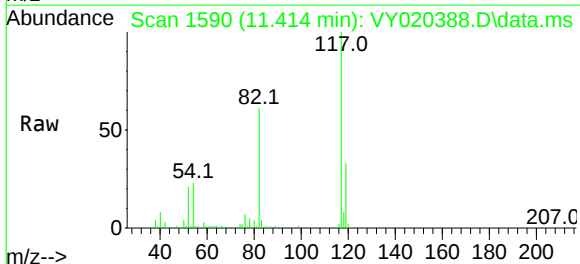
176 75.9 0.0 152.0



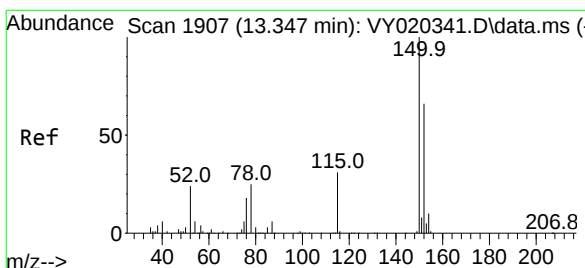
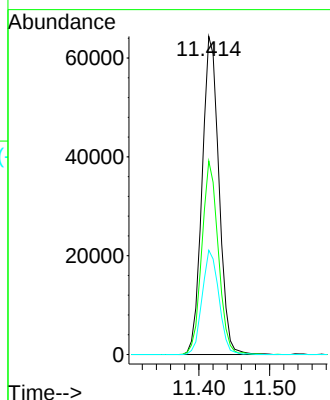
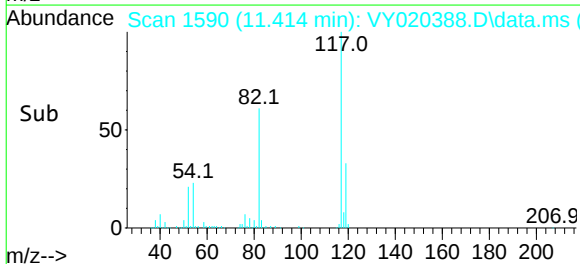


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VY020388.D  
Acq: 21 Nov 2024 15:43

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WB-310-BOT



Tgt Ion:117 Resp: 106499  
Ion Ratio Lower Upper  
117 100  
82 60.8 48.2 72.4  
119 32.8 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY020388.D  
Acq: 21 Nov 2024 15:43

Tgt Ion:152 Resp: 34165  
Ion Ratio Lower Upper  
152 100  
115 61.8 30.0 90.0  
150 157.2 0.0 348.2

