

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112822\  
 Data File : VY011605.D  
 Acq On : 28 Nov 2022 17:30  
 Operator : KP/MD  
 Sample : N5787-01  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-24-STOCK

Quant Time: Nov 29 00:26:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 488      | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 714      | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 372      | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 0.000  | 152  | 0        | 0.000  | ug/l  | -13.43   |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 333      | 67.203   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 134.400% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 194      | 44.138   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.280%  |
| 50) Toluene-d8              | 10.179 | 98    | 616      | 38.567   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 77.140%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 49       | 8.297    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 16.600%# |

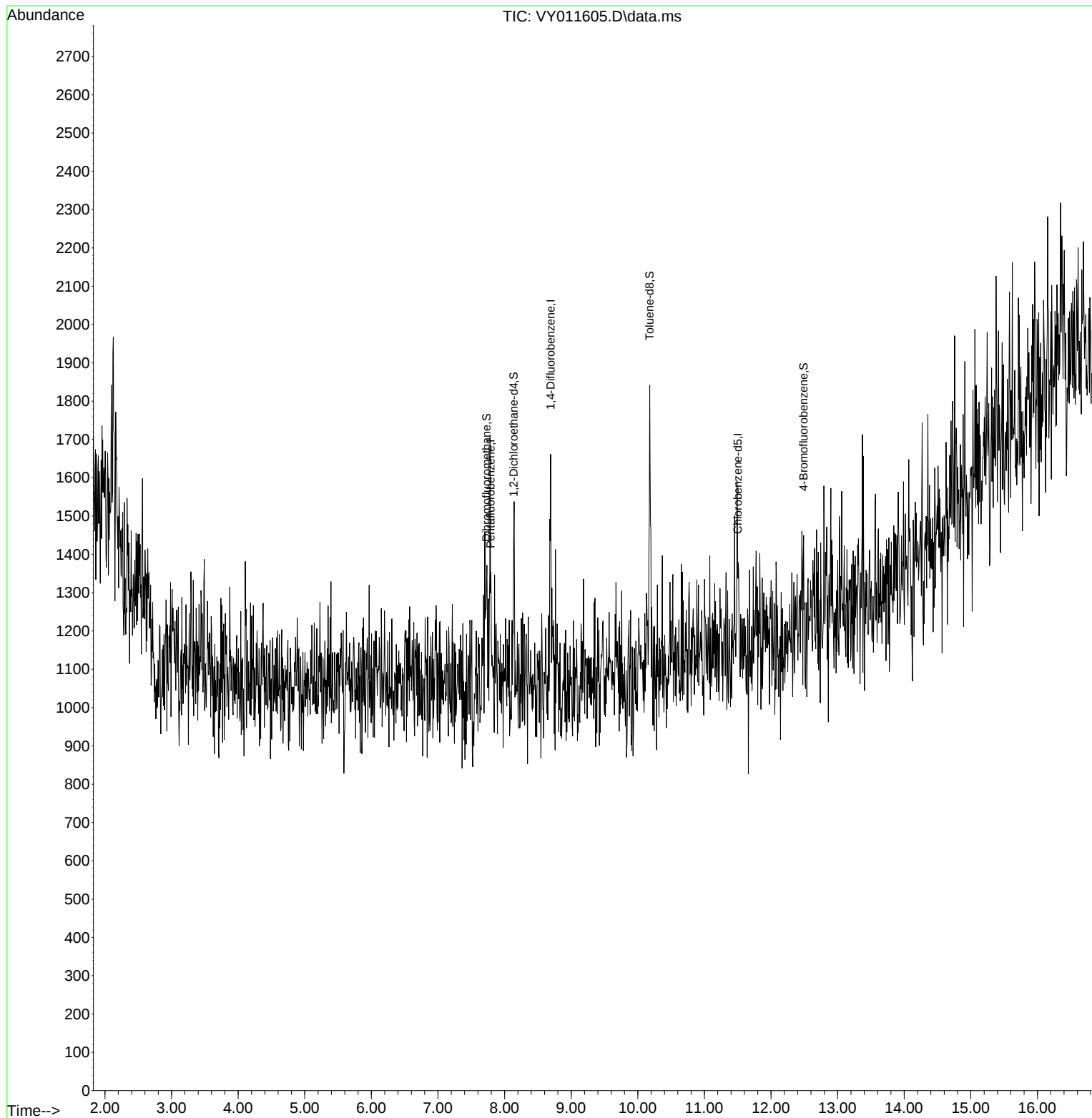
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

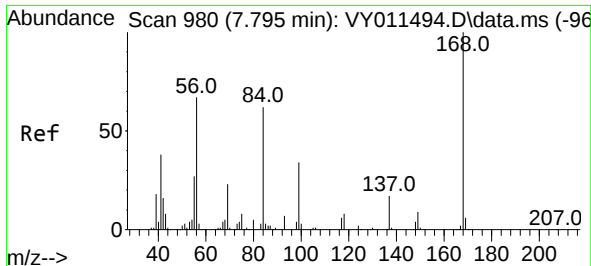
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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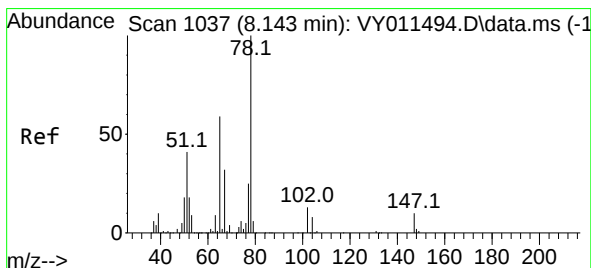
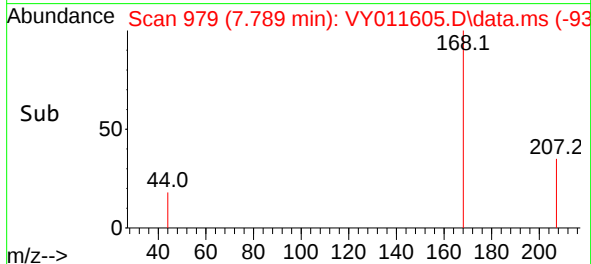
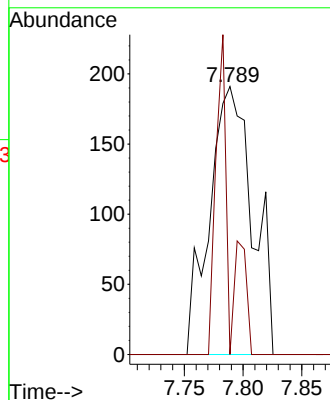
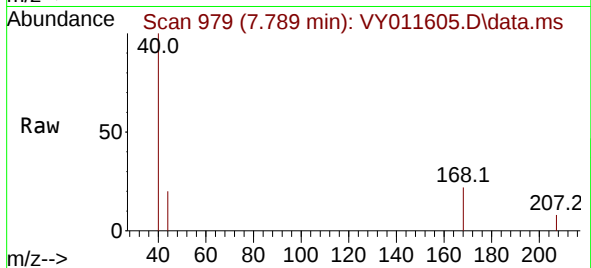




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011605.D  
Acq: 28 Nov 2022 17:30

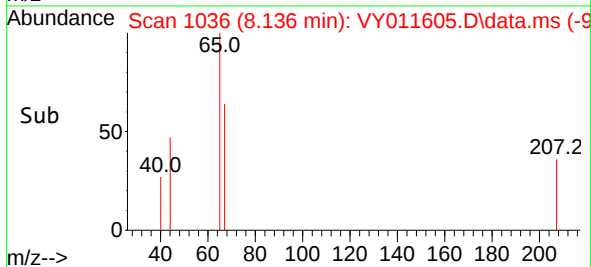
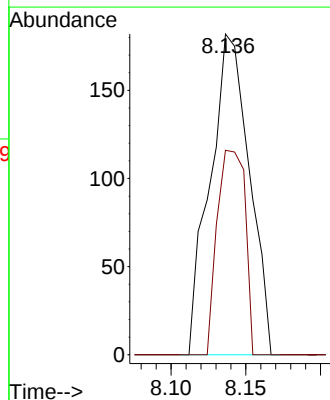
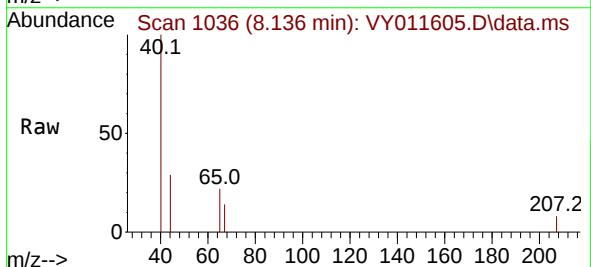
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-24-STOCK

Tgt Ion:168 Resp: 488  
Ion Ratio Lower Upper  
168 100  
99 0.0 46.9 70.3#



#33  
1,2-Dichloroethane-d4  
Concen: 67.203 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY011605.D  
Acq: 28 Nov 2022 17:30

Tgt Ion: 65 Resp: 333  
Ion Ratio Lower Upper  
65 100  
67 45.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011605.D

Acq: 28 Nov 2022 17:30

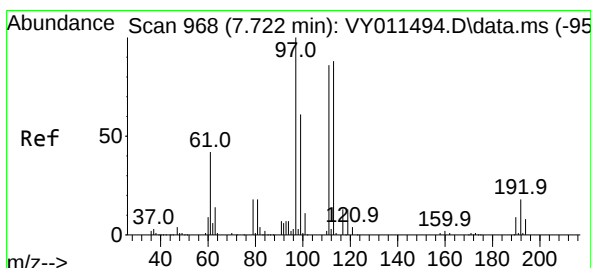
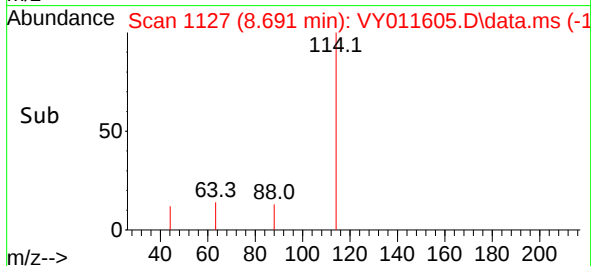
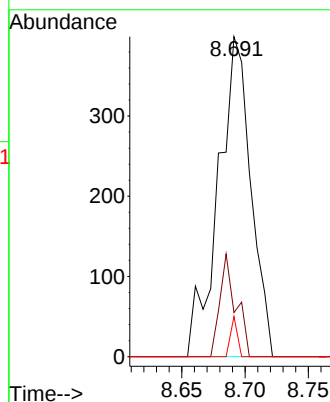
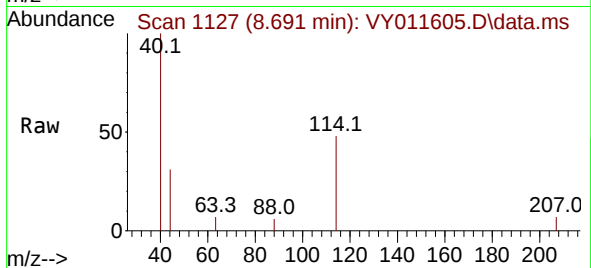
Instrument :

MSVOA\_Y

ClientSampleId :

SB-24-STOCK

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 714   |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 13.8  | 0.0   | 43.2  |
| 88       | 12.5  | 0.0   | 31.8  |



#35

Dibromofluoromethane

Concen: 44.138 ug/l

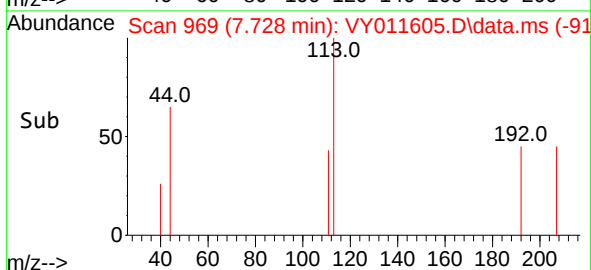
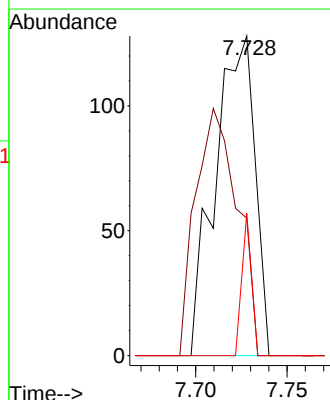
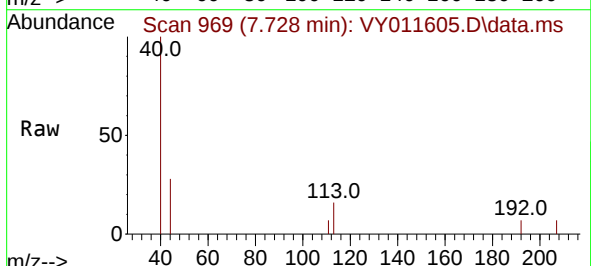
RT: 7.728 min Scan# 969

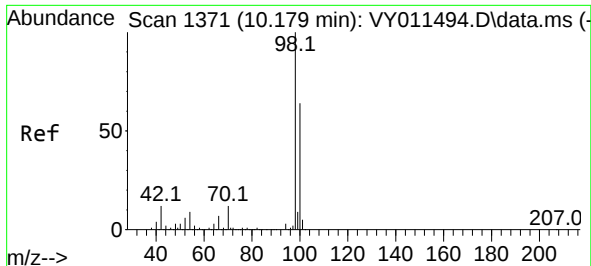
Delta R.T. 0.006 min

Lab File: VY011605.D

Acq: 28 Nov 2022 17:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 194    |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 81.4  | 82.6  | 124.0# |
| 192      | 10.8  | 17.6  | 26.4#  |

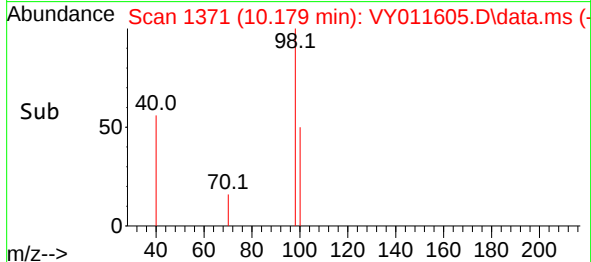
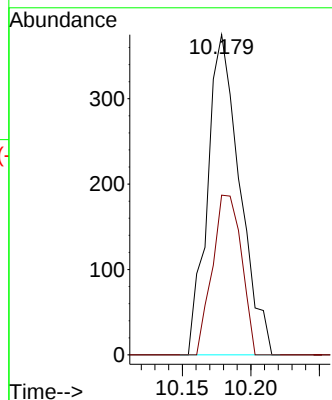
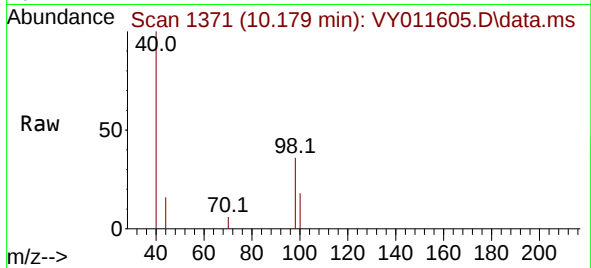




#50  
Toluene-d8  
Concen: 38.567 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011605.D  
Acq: 28 Nov 2022 17:30

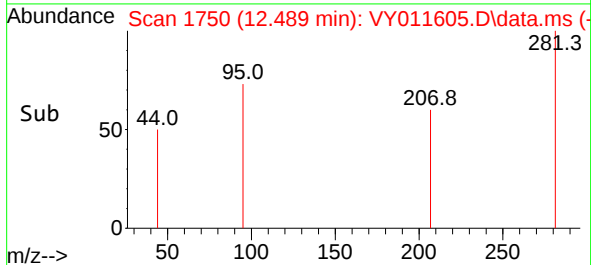
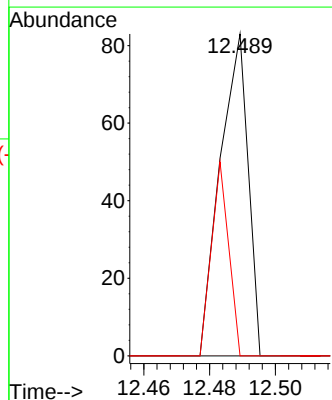
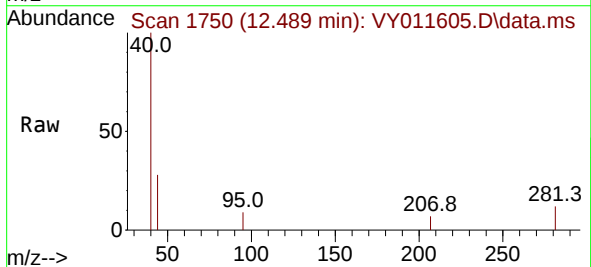
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-24-STOCK

Tgt Ion: 98 Resp: 616  
Ion Ratio Lower Upper  
98 100  
100 44.6 50.2 75.2#



#62  
4-Bromofluorobenzene  
Concen: 8.297 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY011605.D  
Acq: 28 Nov 2022 17:30

Tgt Ion: 95 Resp: 49  
Ion Ratio Lower Upper  
95 100  
174 0.0 0.0 177.0  
176 36.7 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY011605.D

Acq: 28 Nov 2022 17:30

Instrument :

MSVOA\_Y

ClientSampleId :

SB-24-STOCK

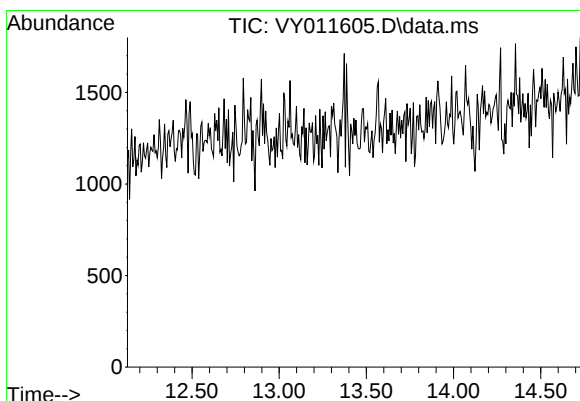
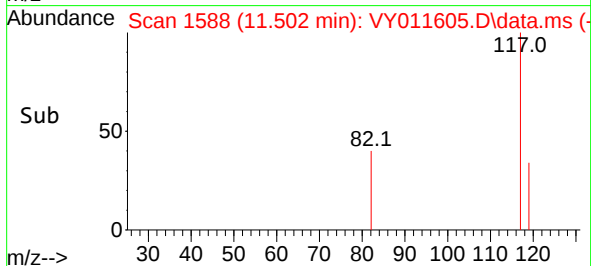
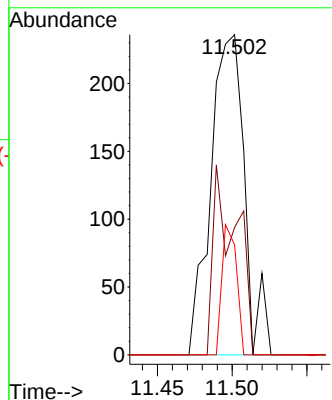
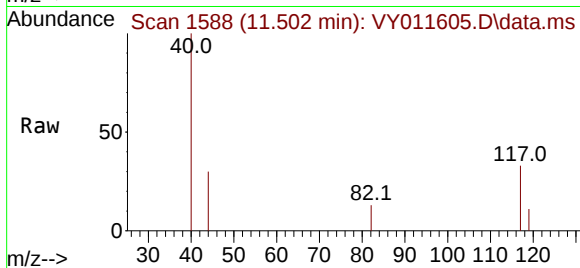
Tgt Ion:117 Resp: 372

Ion Ratio Lower Upper

117 100

82 39.8 43.0 64.4#

119 34.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 13.43 min

Lab File: VY011605.D

Acq: 28 Nov 2022 17:30

Tgt Ion: 152

Sig Exp Ratio

152 100

115 56.5

150 173.8

