

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112922\  
 Data File : VY011624.D  
 Acq On : 29 Nov 2022 15:57  
 Operator : KP/MD  
 Sample : N5787-01RE  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Nov 30 04:44:06 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      | 7.795  | 168  | 170      | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 420      | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 286      | 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   | 8.149  | 65    | 400      | 231.726  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 463.460%# |
| 35) Dibromofluoromethane    | 7.722  | 113   | 135      | 52.214   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.420%  |
| 50) Toluene-d8              | 10.185 | 98    | 383      | 40.765   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 81.520%   |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 23       | 6.621    | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 13.240%#  |

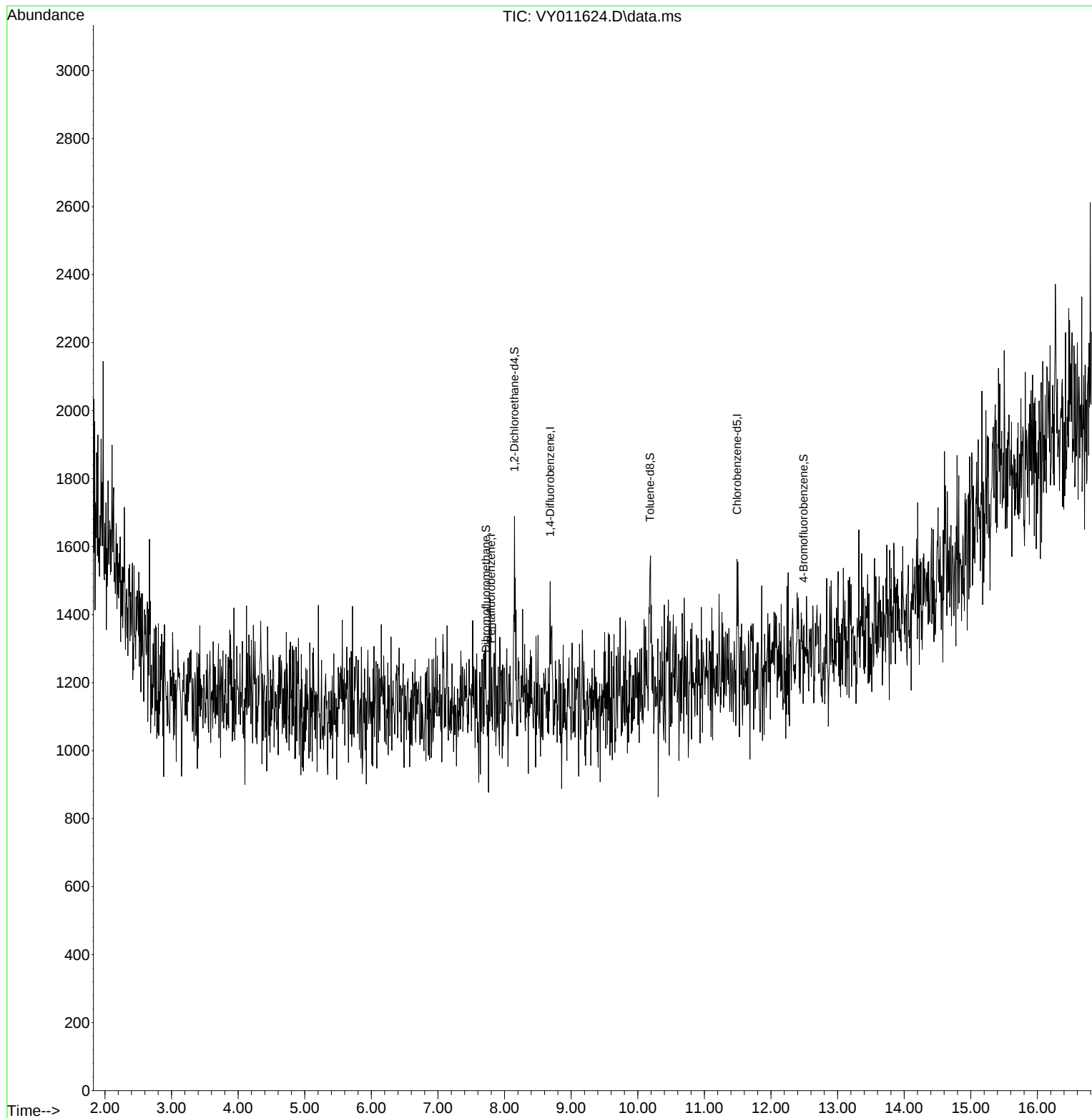
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

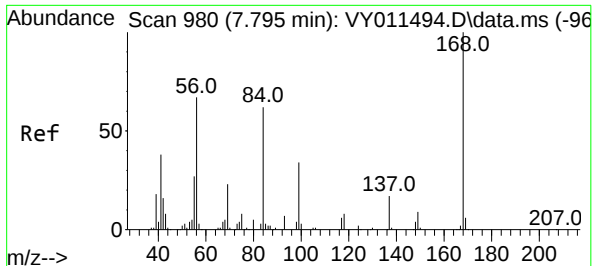
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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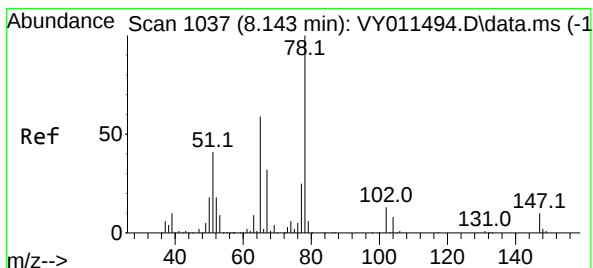
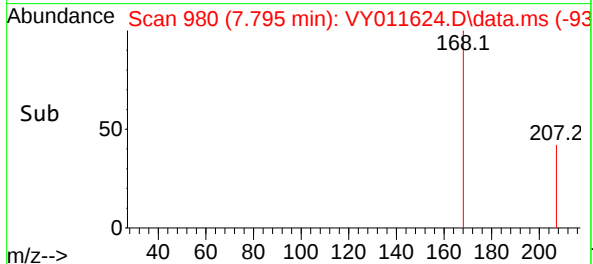
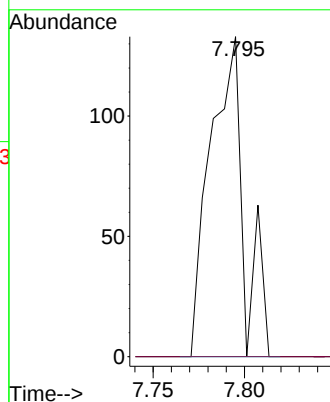
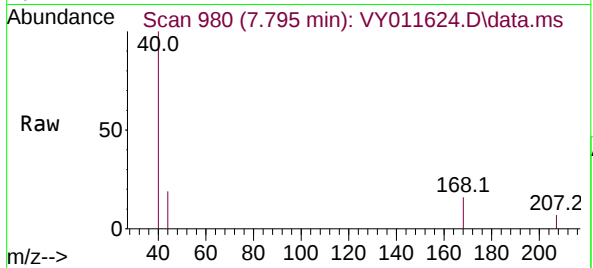




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011624.D  
Acq: 29 Nov 2022 15:57

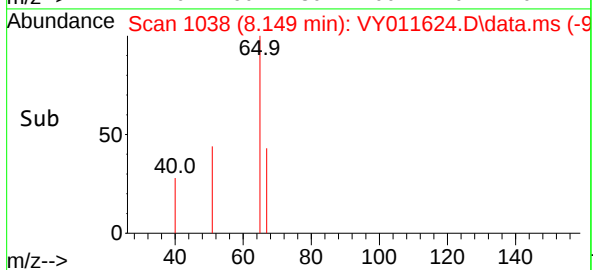
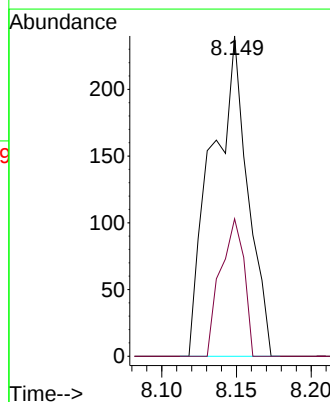
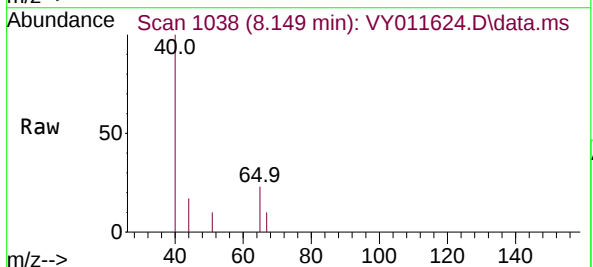
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-24-STOCKRE

Tgt Ion:168 Resp: 170  
Ion Ratio Lower Upper  
168 100  
99 0.0 46.9 70.3#



#33  
1,2-Dichloroethane-d4  
Concen: 231.726 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY011624.D  
Acq: 29 Nov 2022 15:57

Tgt Ion: 65 Resp: 400  
Ion Ratio Lower Upper  
65 100  
67 28.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011624.D

Acq: 29 Nov 2022 15:57

Instrument :

MSVOA\_Y

ClientSampleId :

SB-24-STOCKRE

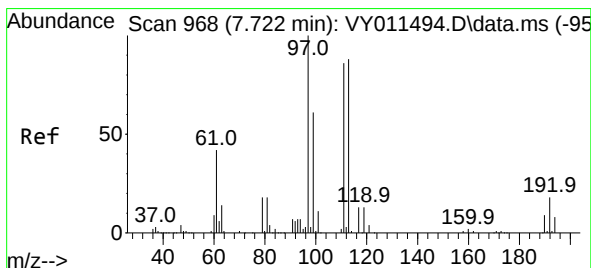
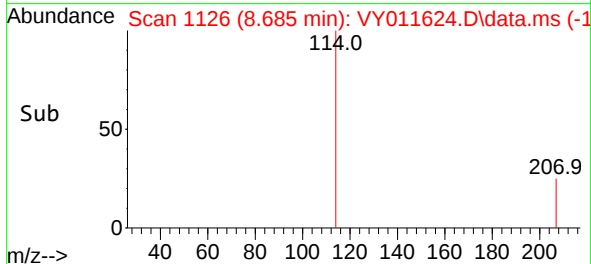
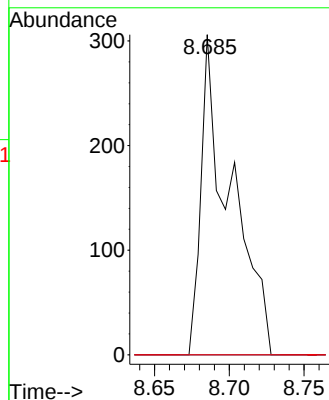
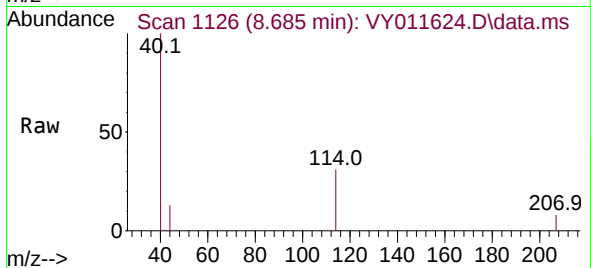
Tgt Ion:114 Resp: 420

Ion Ratio Lower Upper

114 100

63 0.0 0.0 43.2

88 0.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.214 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011624.D

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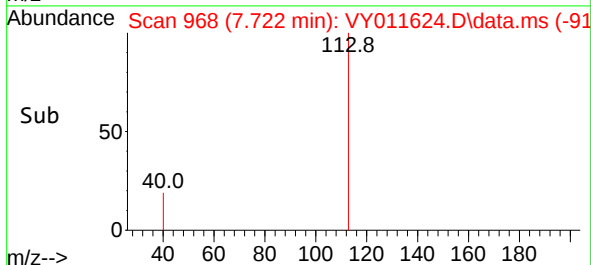
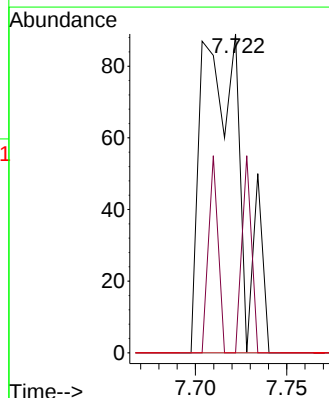
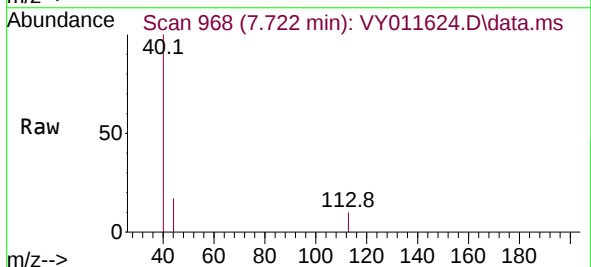
Tgt Ion:113 Resp: 135

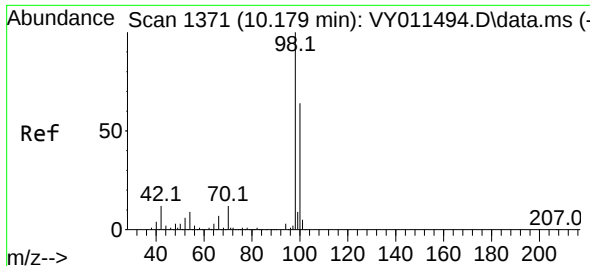
Ion Ratio Lower Upper

113 100

111 14.8 82.6 124.0#

192 0.0 17.6 26.4#

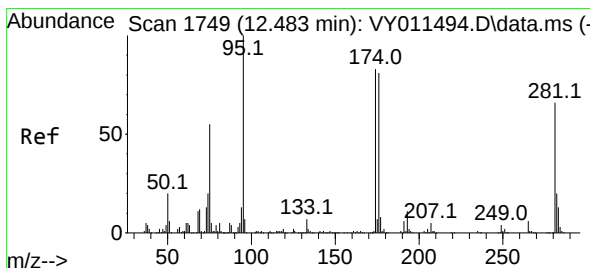
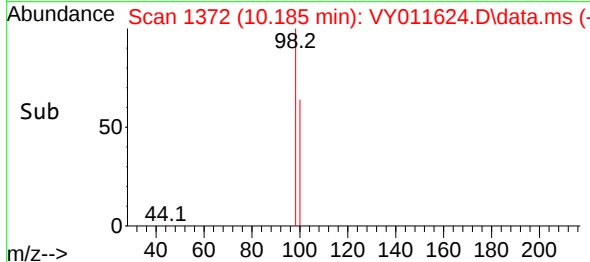
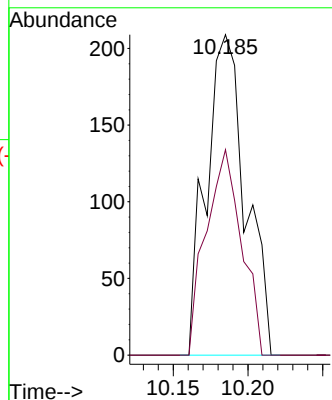
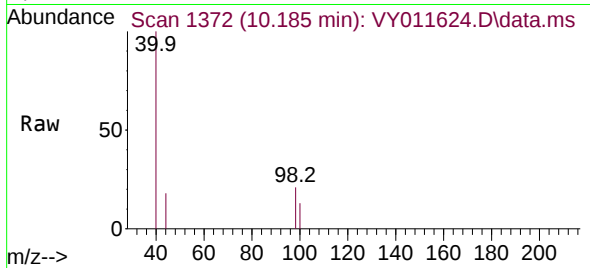




#50  
Toluene-d8  
Concen: 40.765 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY011624.D  
Acq: 29 Nov 2022 15:57

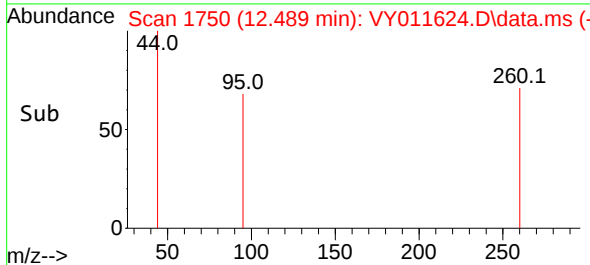
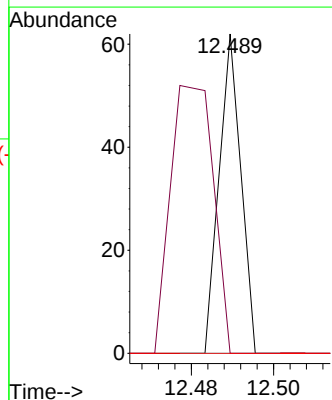
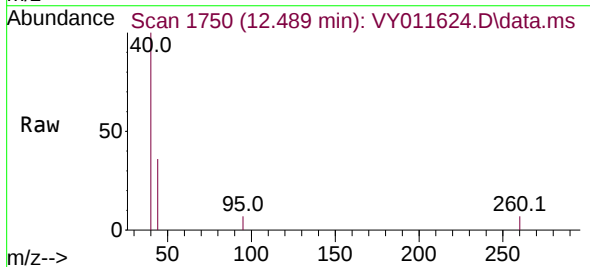
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-24-STOCKRE

Tgt Ion: 98 Resp: 383  
Ion Ratio Lower Upper  
98 100  
100 58.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 6.621 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY011624.D  
Acq: 29 Nov 2022 15:57

Tgt Ion: 95 Resp: 23  
Ion Ratio Lower Upper  
95 100  
174 165.2 0.0 177.0  
176 0.0 0.0 175.8

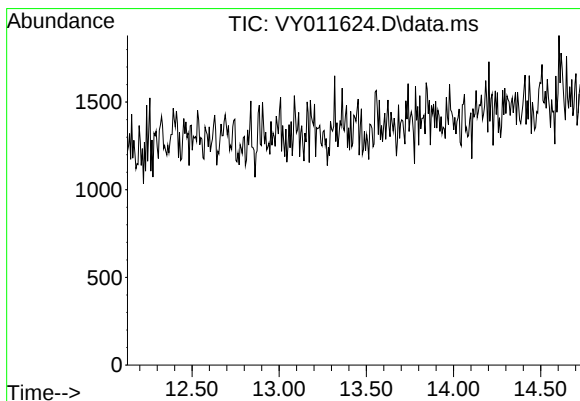
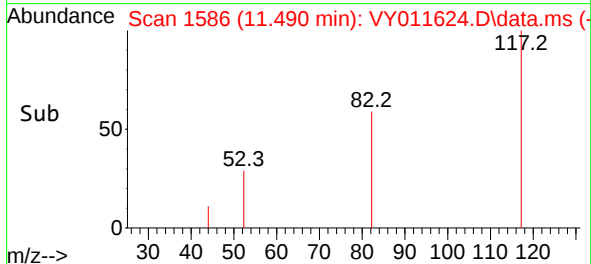
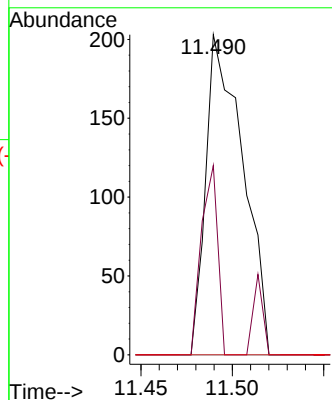
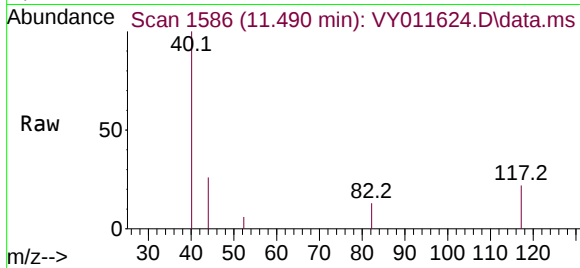




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011624.D  
Acq: 29 Nov 2022 15:57

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

Tgt Ion:117 Resp: 286  
Ion Ratio Lower Upper  
117 100  
82 59.1 43.0 64.4  
119 0.0 25.4 38.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 13.43 min

Lab File: VY011624.D  
Acq: 29 Nov 2022 15:57

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 56.5  
150 173.8

