

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102921\  
 Data File : VY006540.D  
 Acq On : 29 Oct 2021 15:18  
 Operator : SY/MD  
 Sample : M4406-01RE  
 Misc : 5.03G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-20310RE

Quant Time: Oct 30 03:00:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 10230    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 16119    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 15667    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 5090     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 7093     | 56.344   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 112.680% |          |
| 35) Dibromofluoromethane    | 7.728  | 113   | 2335     | 25.990   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 51.980%# |          |
| 50) Toluene-d8              | 10.179 | 98    | 20707    | 54.370   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.740% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 6963     | 54.273   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 108.540% |          |

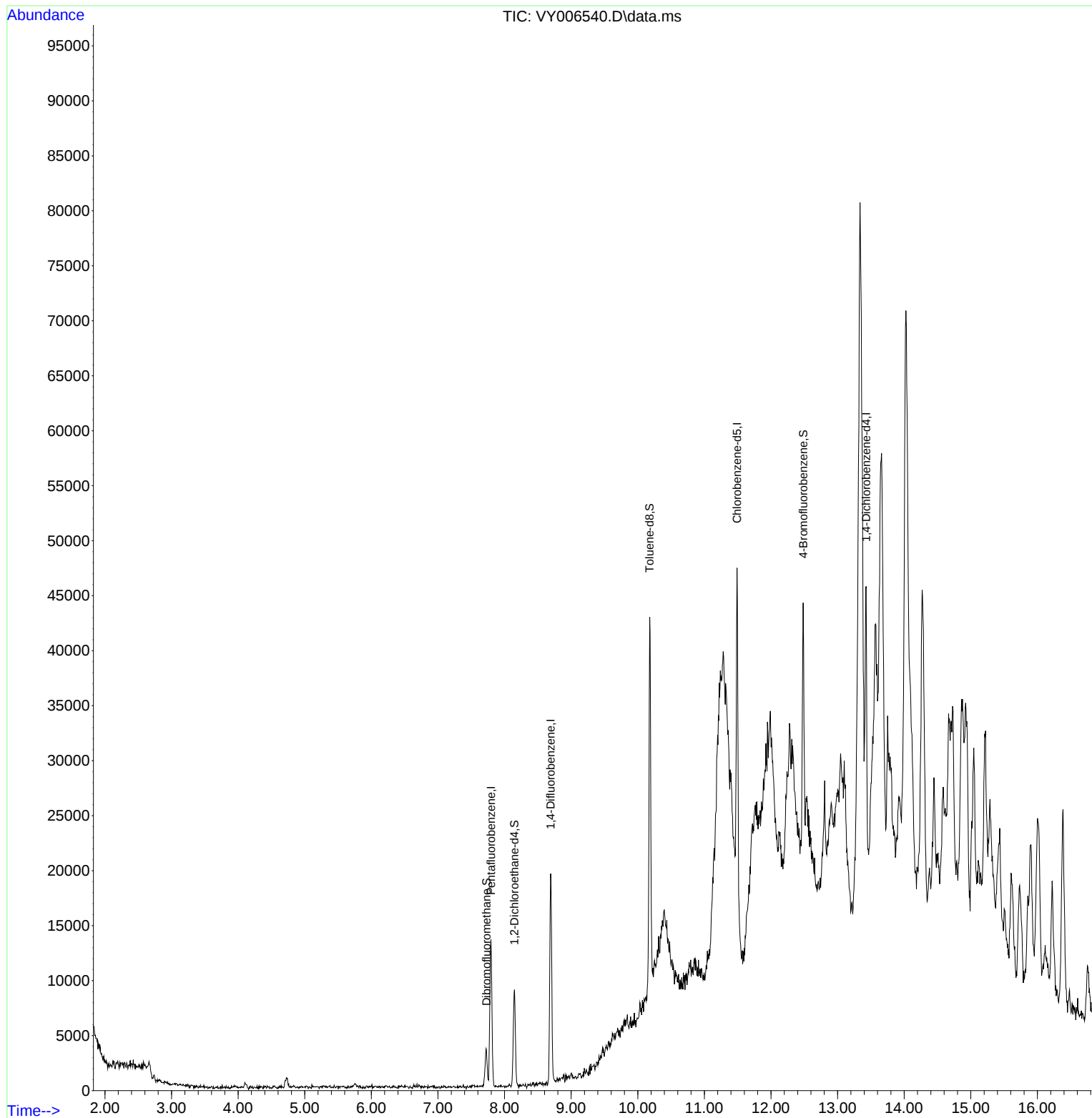
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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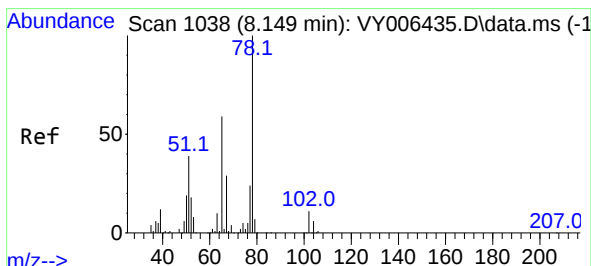
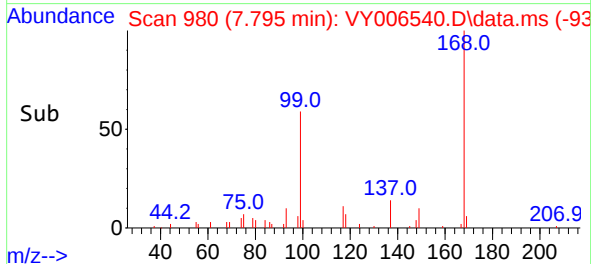
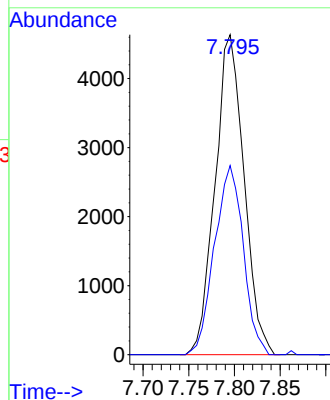
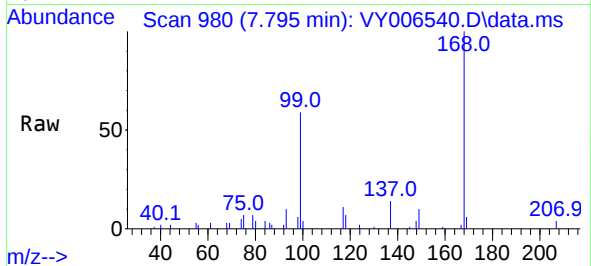




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY006540.D  
Acq: 29 Oct 2021 15:18

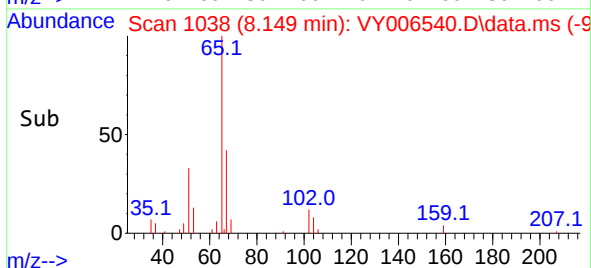
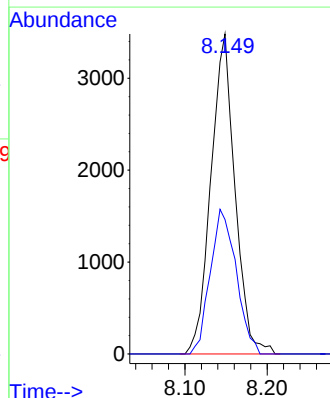
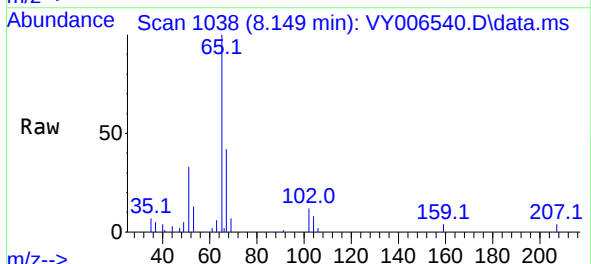
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-20310RE

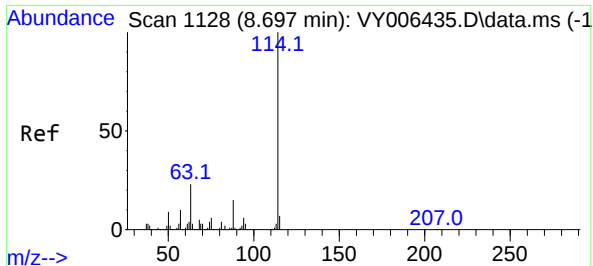
Tgt Ion:168 Resp: 10230  
Ion Ratio Lower Upper  
168 100  
99 59.1 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 56.344 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006540.D  
Acq: 29 Oct 2021 15:18

Tgt Ion: 65 Resp: 7093  
Ion Ratio Lower Upper  
65 100  
67 48.7 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006540.D

Acq: 29 Oct 2021 15:18

Instrument :

MSVOA\_Y

ClientSampleId :

CHRT-20310RE

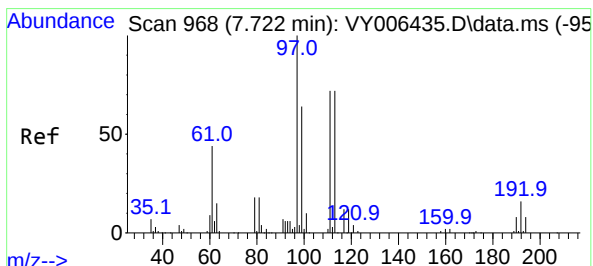
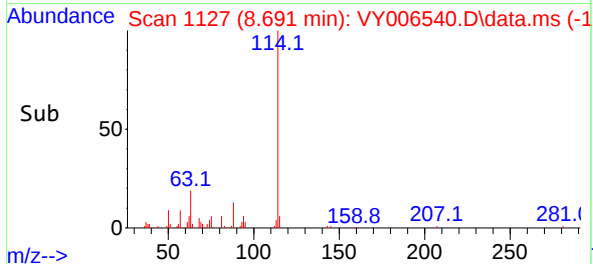
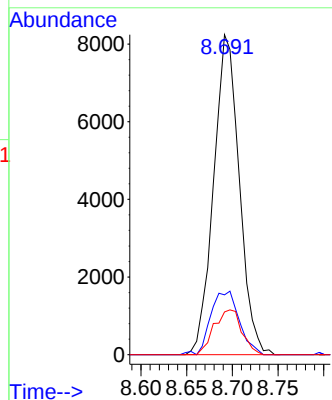
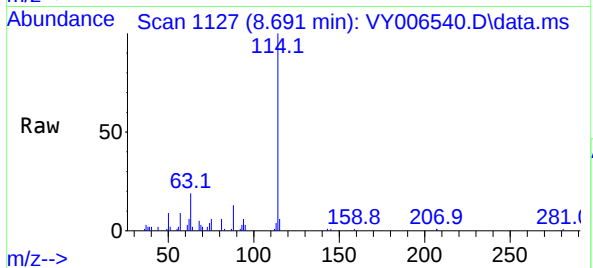
Tgt Ion:114 Resp: 16119

Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

88 13.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 25.990 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006540.D

Acq: 29 Oct 2021 15:18

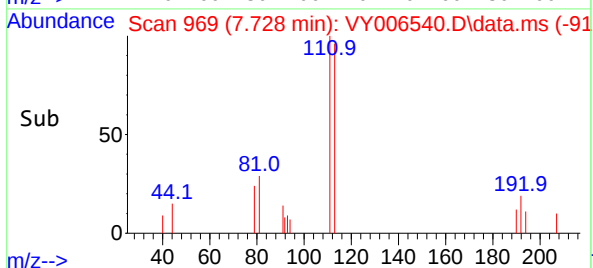
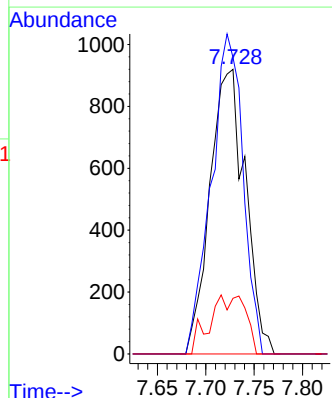
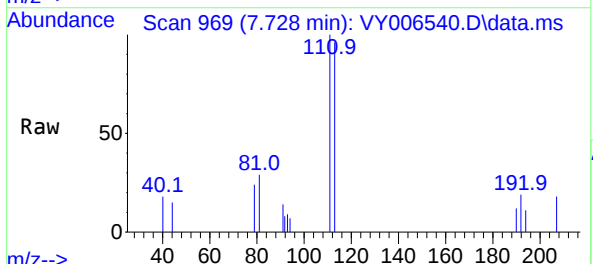
Tgt Ion:113 Resp: 2335

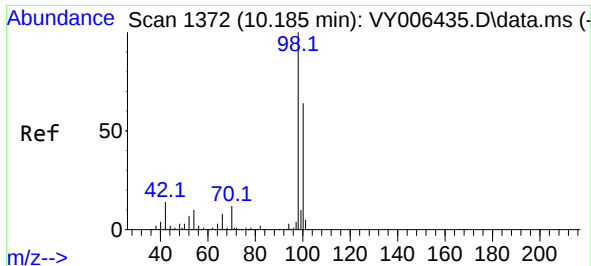
Ion Ratio Lower Upper

113 100

111 101.1 82.3 123.5

192 11.4 17.4 26.2#

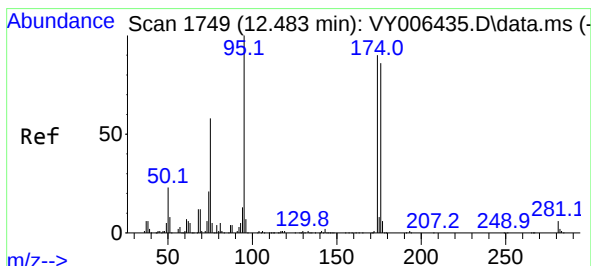
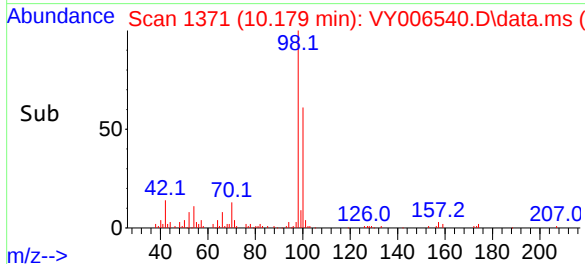
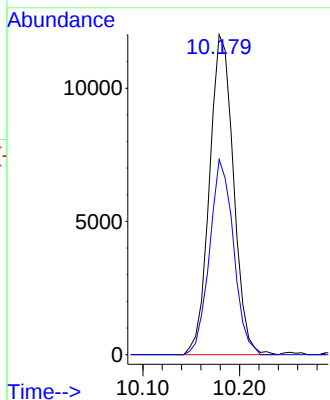
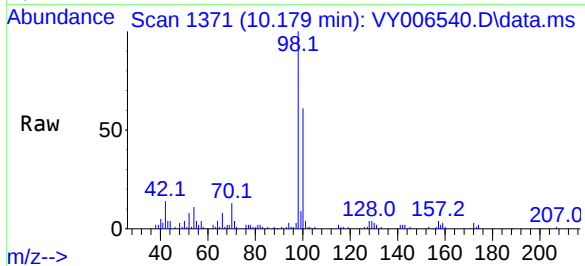




#50  
Toluene-d8  
Concen: 54.370 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY006540.D  
Acq: 29 Oct 2021 15:18

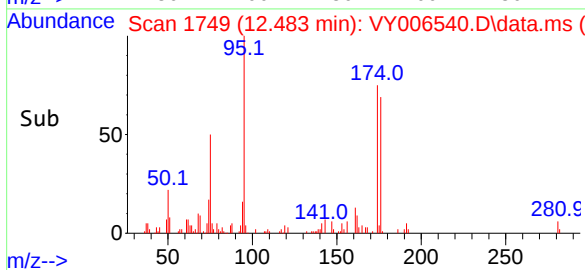
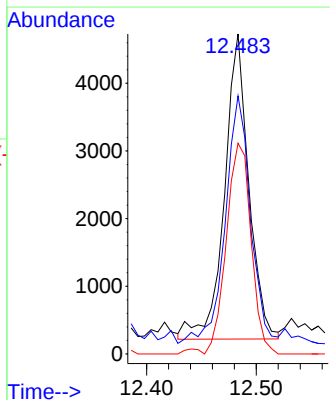
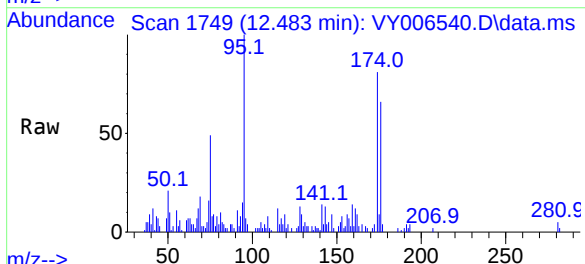
Instrument :  
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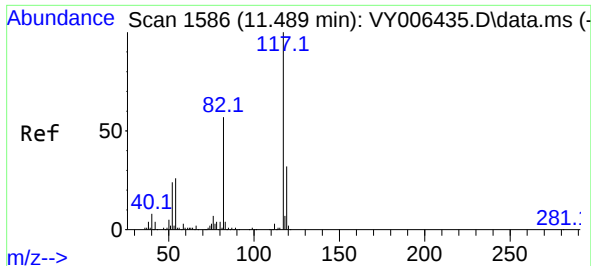
Tgt Ion: 98 Resp: 20707  
Ion Ratio Lower Upper  
98 100  
100 60.8 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 54.273 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006540.D  
Acq: 29 Oct 2021 15:18

Tgt Ion: 95 Resp: 6963  
Ion Ratio Lower Upper  
95 100  
174 84.1 0.0 177.0  
176 69.8 0.0 169.4

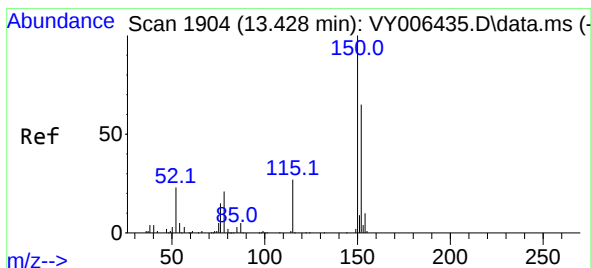
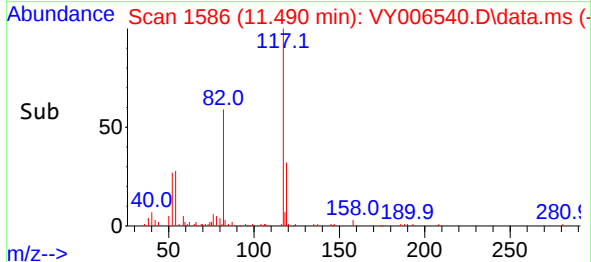
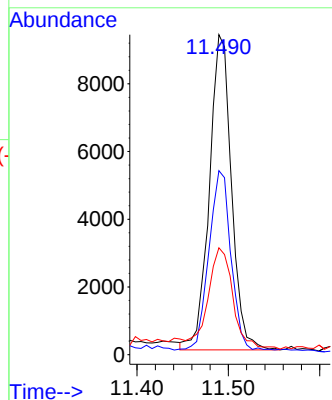
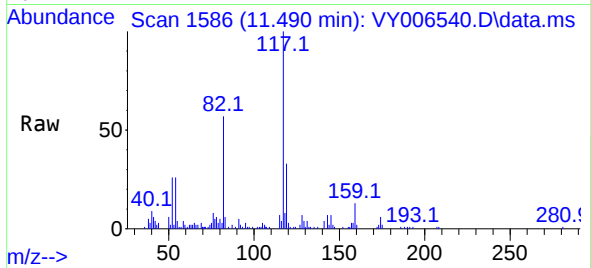




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY006540.D  
Acq: 29 Oct 2021 15:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-20310RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 15667 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 56.7  | 45.7  | 68.5  |
| 119      | 32.1  | 25.5  | 38.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006540.D  
Acq: 29 Oct 2021 15:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 5090  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 68.5  | 28.5  | 85.5  |
| 150      | 165.8 | 0.0   | 348.2 |

