

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103023\  
 Data File : VY016131.D  
 Acq On : 30 Oct 2023 14:14  
 Operator : SY/MD  
 Sample : 05145-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-06-10272023

Quant Time: Oct 31 01:30:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 27 04:12:29 2023  
 Response via : Initial Calibration

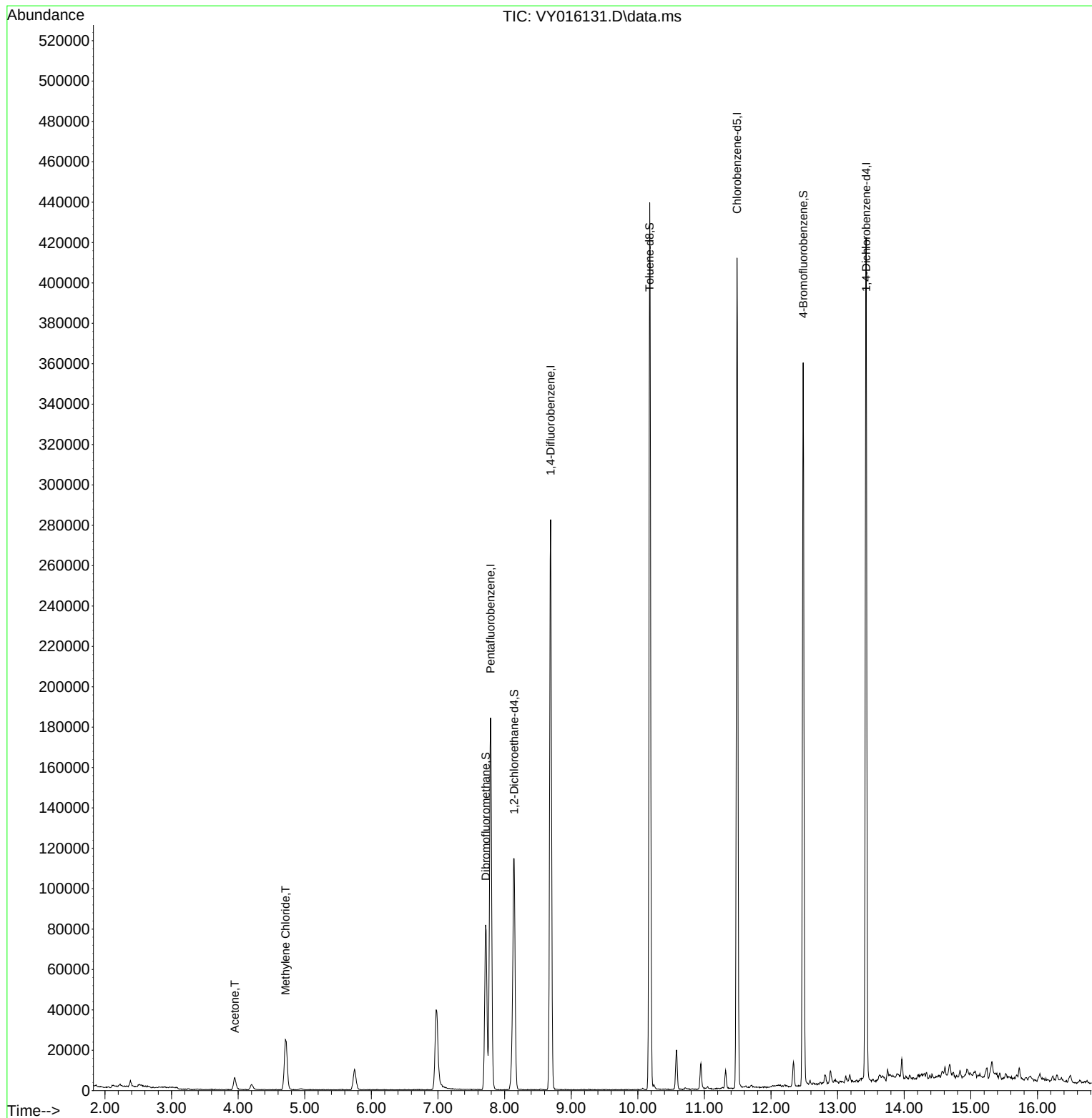
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 146019   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 247216   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 225916   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 109839   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 84858    | 58.444   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 116.880% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 58448    | 37.451   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 74.900%  |
| 50) Toluene-d8              | 10.179 | 98    | 289380   | 50.057   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 100.120% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 100508   | 50.684   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 101.360% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.948  | 43    | 10568    | 26.853   | ug/l   | 93       |
| 20) Methylene Chloride      | 4.710  | 84    | 20004    | 8.176    | ug/l   | 87       |
| -----                       |        |       |          |          |        |          |

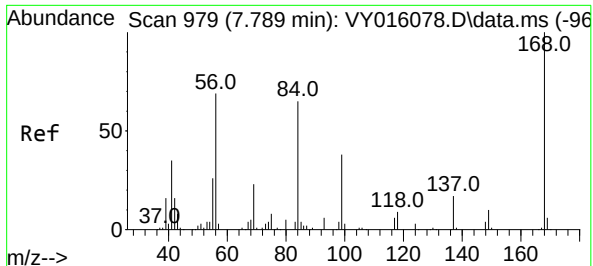
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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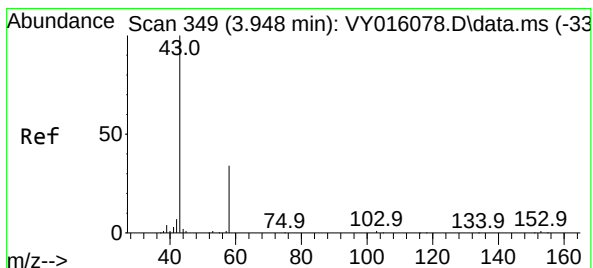
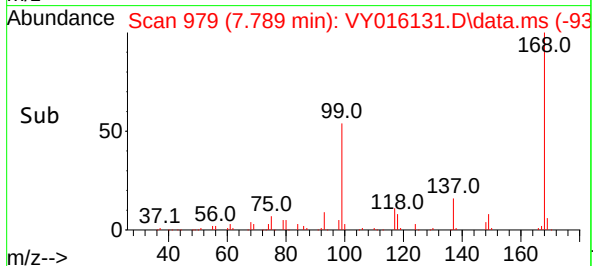
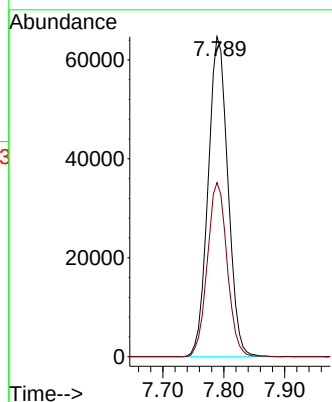
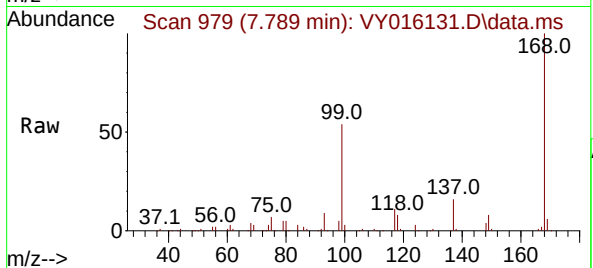




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016131.D  
Acq: 30 Oct 2023 14:14

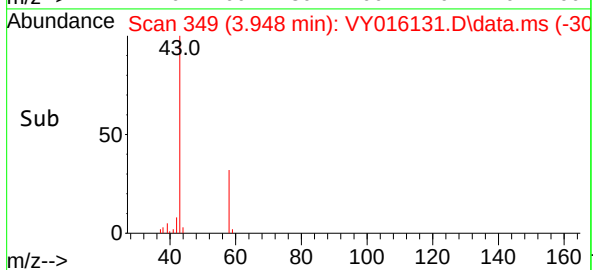
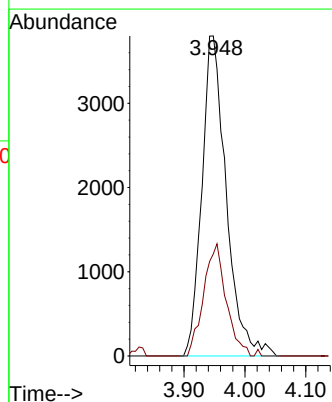
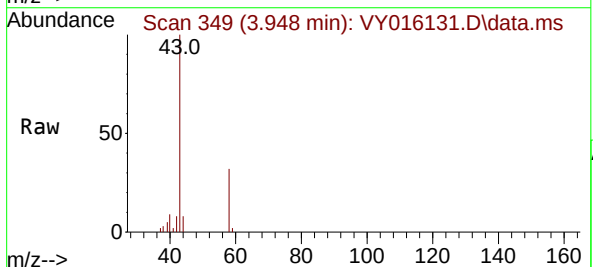
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-10272023

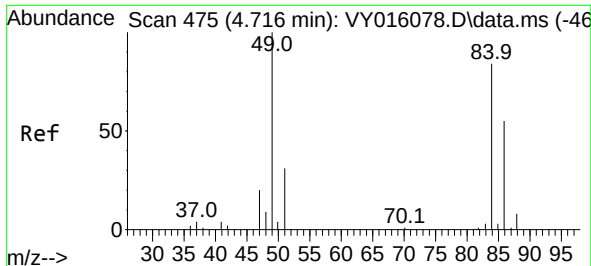
Tgt Ion:168 Resp: 146019  
Ion Ratio Lower Upper  
168 100  
99 54.4 43.4 65.0



#16  
Acetone  
Concen: 26.853 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VY016131.D  
Acq: 30 Oct 2023 14:14

Tgt Ion: 43 Resp: 10568  
Ion Ratio Lower Upper  
43 100  
58 31.9 22.7 34.1

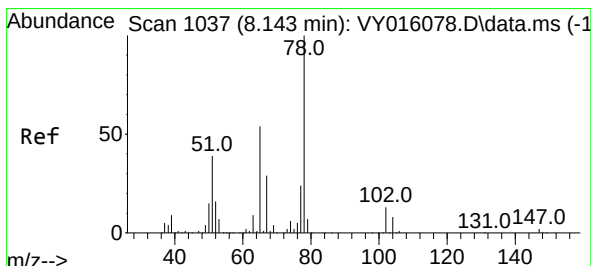
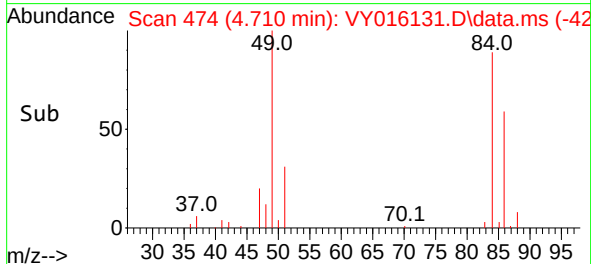
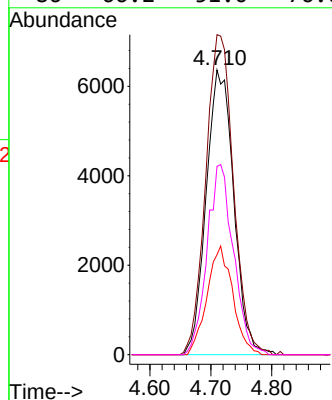
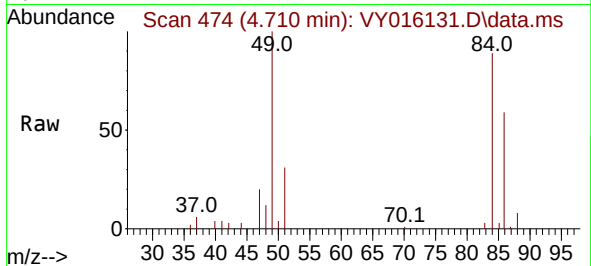




#20  
Methylene Chloride  
Concen: 8.176 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY016131.D  
Acq: 30 Oct 2023 14:14

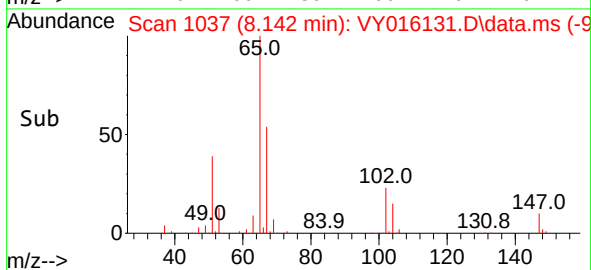
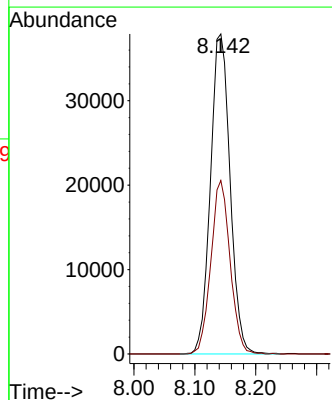
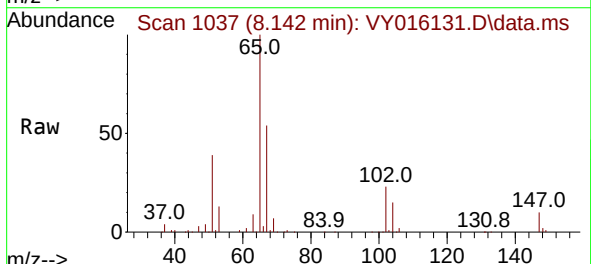
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-10272023

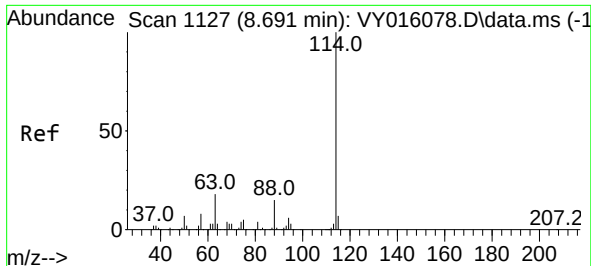
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 20004 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 112.4 | 106.9 | 160.3 |
| 51       | 35.1  | 33.2  | 49.8  |
| 86       | 66.2  | 51.0  | 76.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 58.444 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY016131.D  
Acq: 30 Oct 2023 14:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 84858 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 53.0  | 0.0   | 101.8 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016131.D

Acq: 30 Oct 2023 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

TR-06-10272023

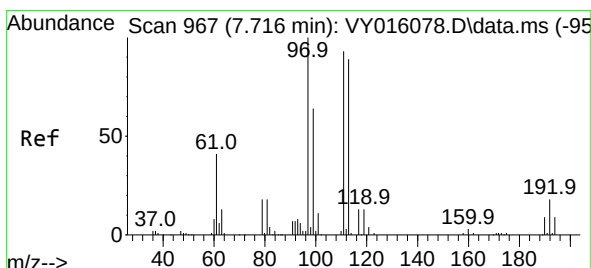
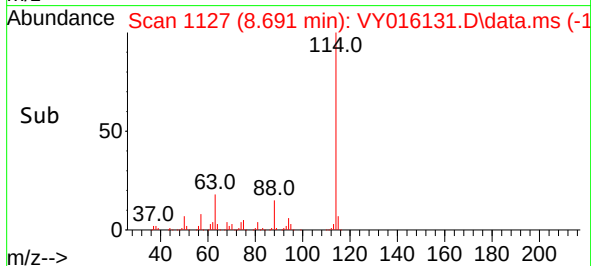
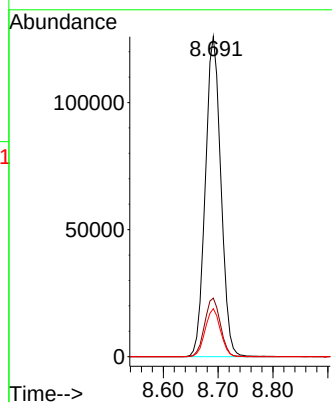
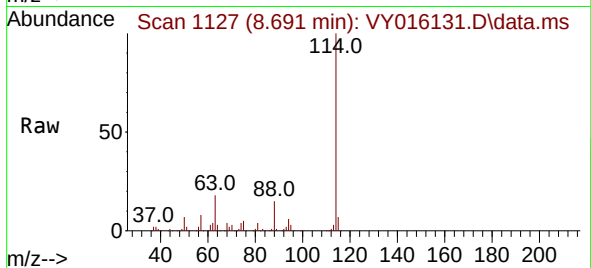
Tgt Ion:114 Resp: 247216

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 37.451 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY016131.D

Acq: 30 Oct 2023 14:14

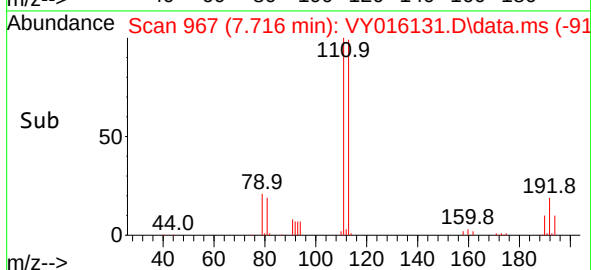
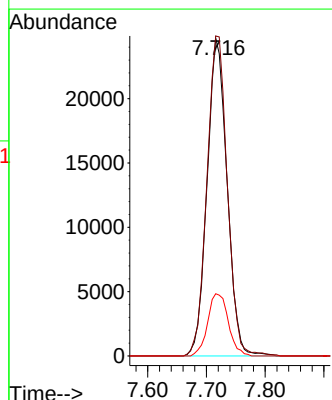
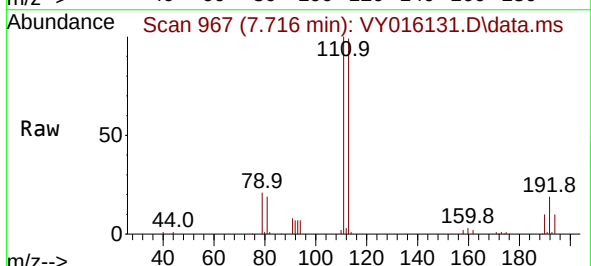
Tgt Ion:113 Resp: 58448

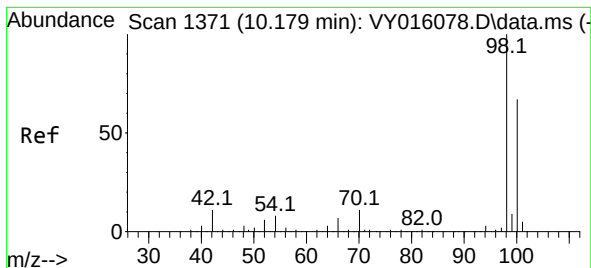
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 20.2 16.9 25.3





#50

Toluene-d8

Concen: 50.057 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY016131.D

Acq: 30 Oct 2023 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

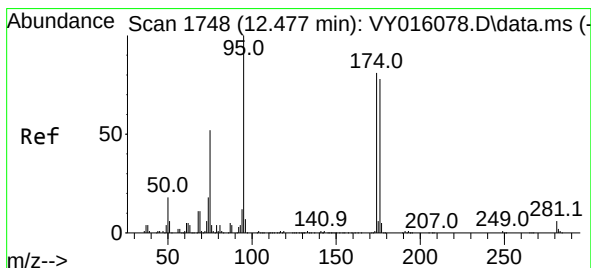
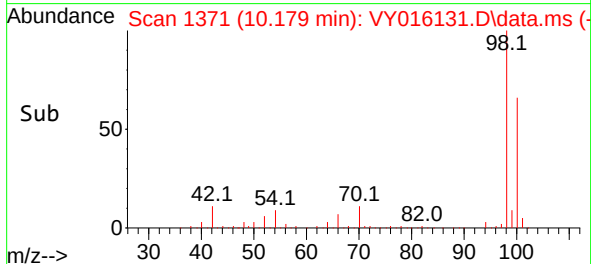
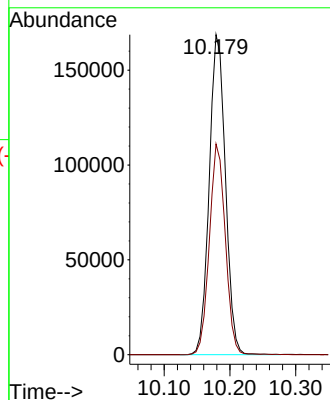
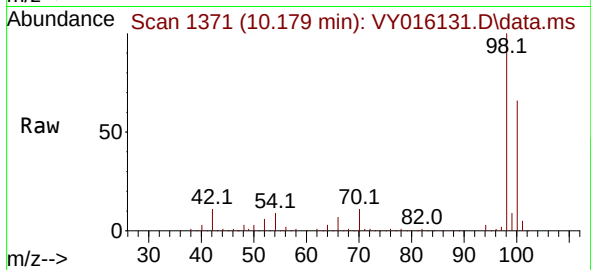
TR-06-10272023

Tgt Ion: 98 Resp: 289380

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.684 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY016131.D

Acq: 30 Oct 2023 14:14

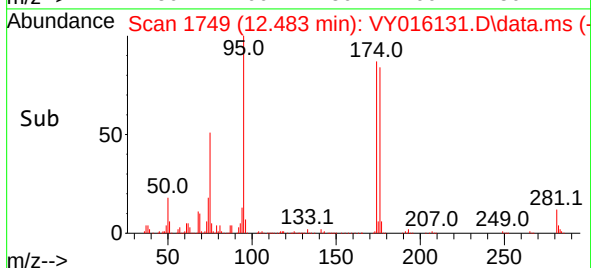
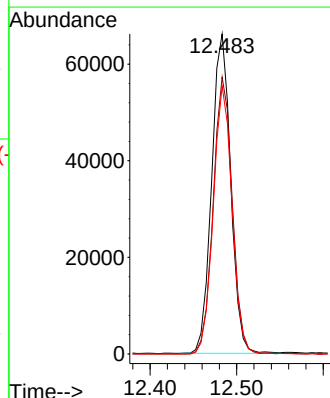
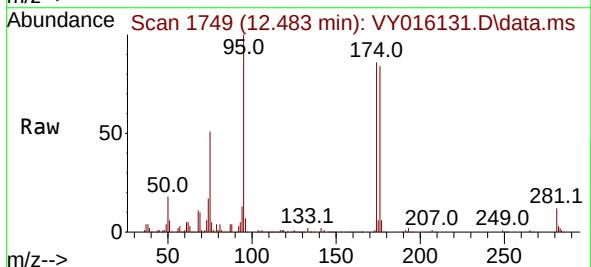
Tgt Ion: 95 Resp: 100508

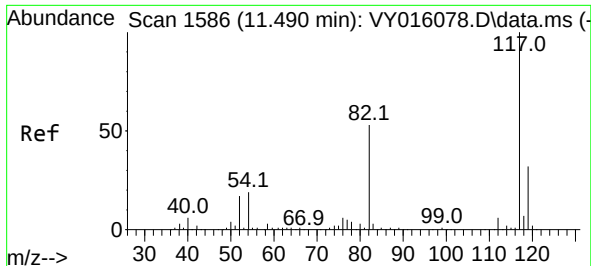
Ion Ratio Lower Upper

95 100

174 87.3 0.0 178.2

176 83.4 0.0 173.8

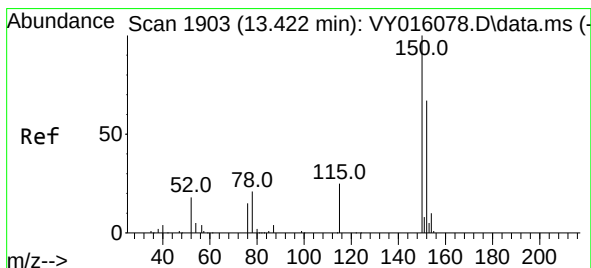
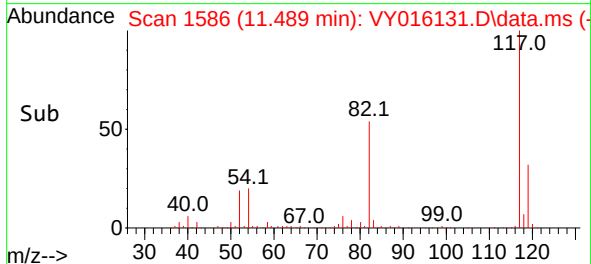
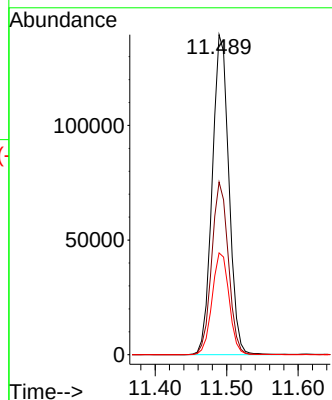
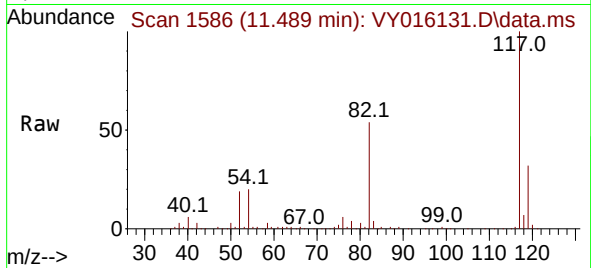




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016131.D  
Acq: 30 Oct 2023 14:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-10272023

Tgt Ion:117 Resp: 225916  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.4 65.0  
119 31.8 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY016131.D  
Acq: 30 Oct 2023 14:14

Tgt Ion:152 Resp: 109839  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.8 86.5  
150 157.4 0.0 348.8

