

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
 Data File : VY015828.D  
 Acq On : 04 Oct 2023 15:25  
 Operator : SY/MD  
 Sample : 04714-07  
 Misc : 4.70g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3

Quant Time: Oct 05 06:55:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

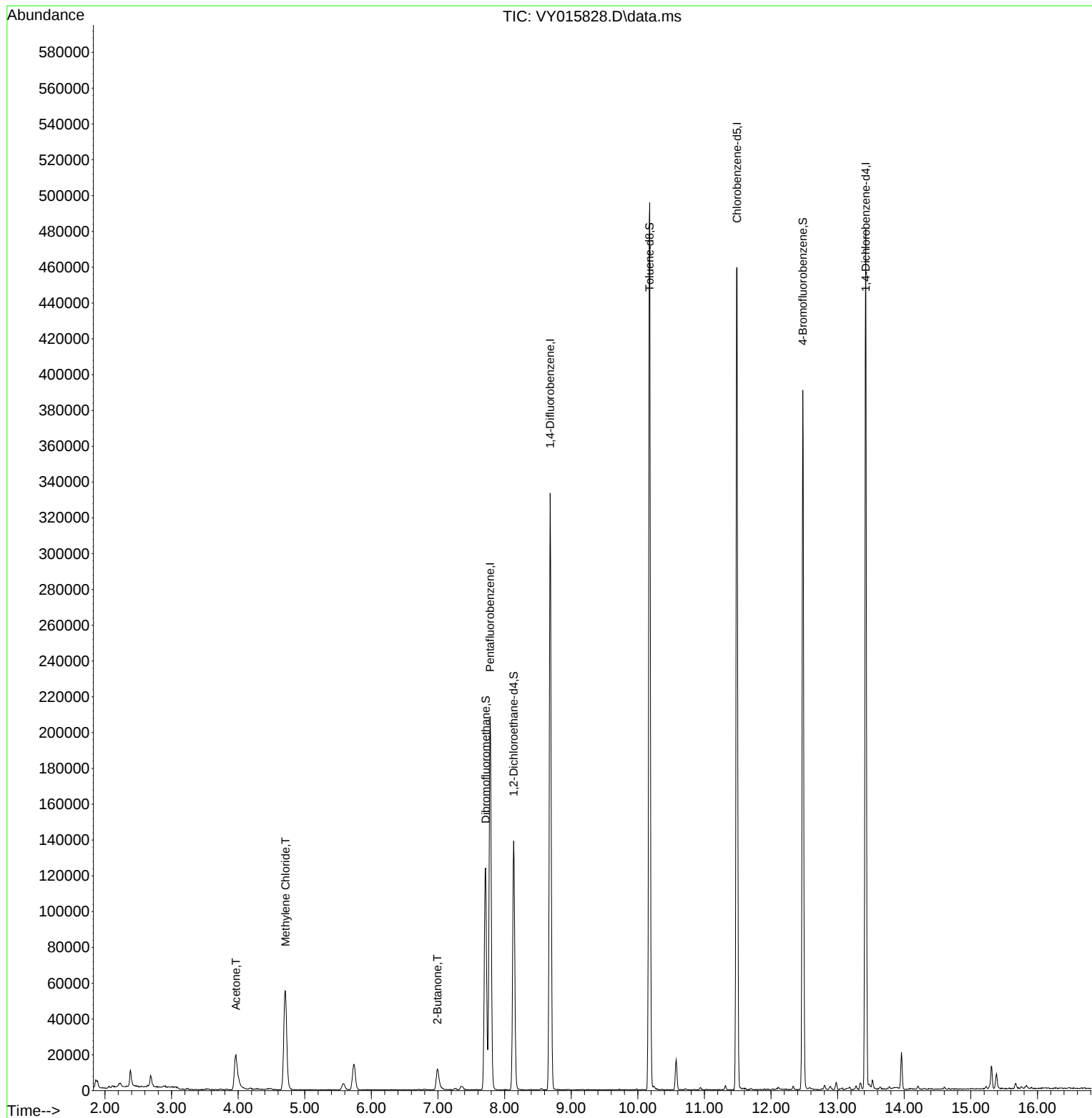
| Compound                    | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                       |           |                |          |            |       |          |
| Internal Standards          |           |                |          |            |       |          |
| 1) Pentafluorobenzene       | 7.783     | 168            | 161722   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114            | 279813   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490    | 117            | 258767   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152            | 119749   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |           |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65             | 108867   | 61.182     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | = 122.360% |       |          |
| 35) Dibromofluoromethane    | 7.716     | 113            | 89199    | 53.260     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | = 106.520% |       |          |
| 50) Toluene-d8              | 10.179    | 98             | 329051   | 57.946     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 58 - 134 | Recovery | = 115.900% |       |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95             | 112698   | 50.572     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 30 - 143 | Recovery | = 101.140% |       |          |
| Target Compounds            |           |                |          |            |       |          |
|                             |           |                |          |            |       | Qvalue   |
| 16) Acetone                 | 3.966     | 43             | 48070    | 50.480     | ug/l  | 93       |
| 20) Methylene Chloride      | 4.710     | 84             | 43270    | 17.614     | ug/l  | 91       |
| 25) 2-Butanone              | 6.990     | 43             | 22202    | 16.495     | ug/l  | 98       |
| -----                       |           |                |          |            |       |          |

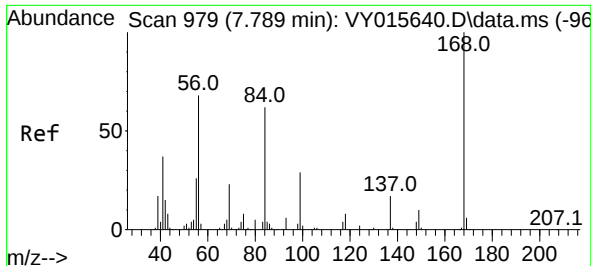
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 20 01:39:40 2023  
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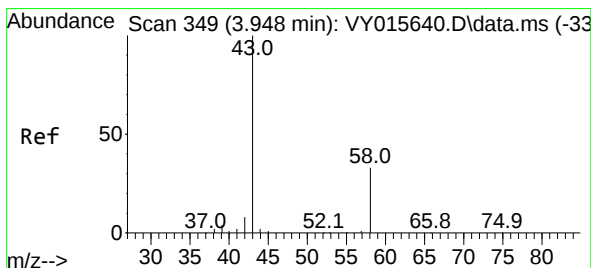
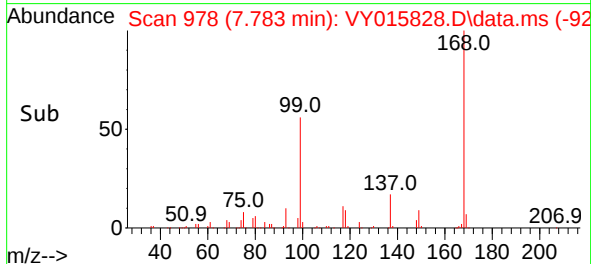
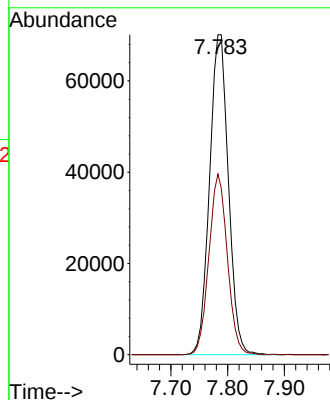
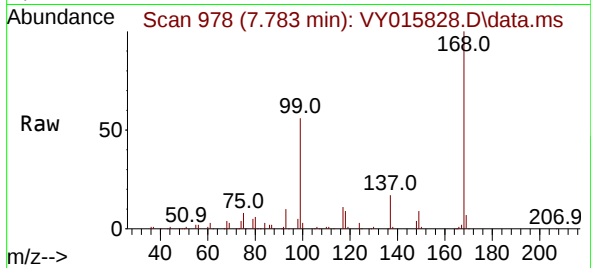




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015828.D  
Acq: 04 Oct 2023 15:25

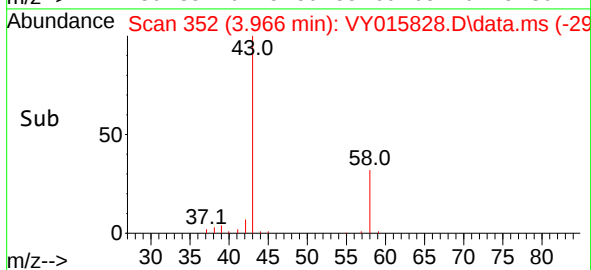
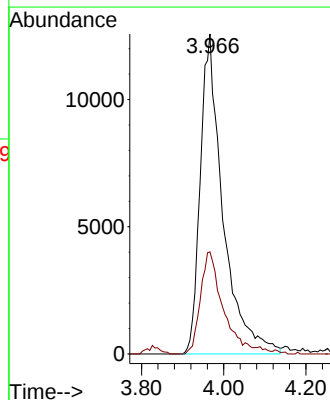
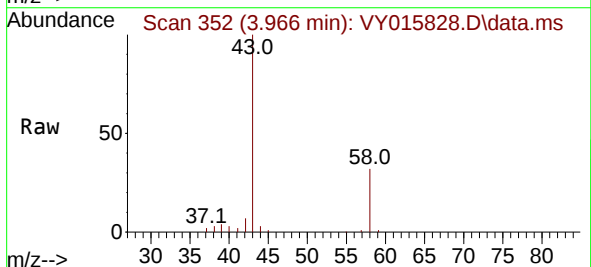
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

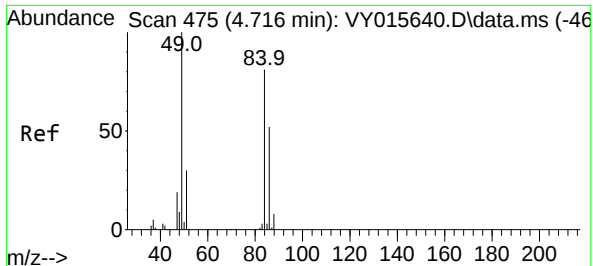
Tgt Ion:168 Resp: 161722  
Ion Ratio Lower Upper  
168 100  
99 56.4 43.4 65.0



#16  
Acetone  
Concen: 50.480 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.024 min  
Lab File: VY015828.D  
Acq: 04 Oct 2023 15:25

Tgt Ion: 43 Resp: 48070  
Ion Ratio Lower Upper  
43 100  
58 31.9 22.7 34.1

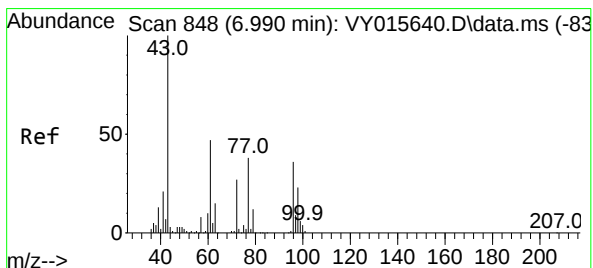
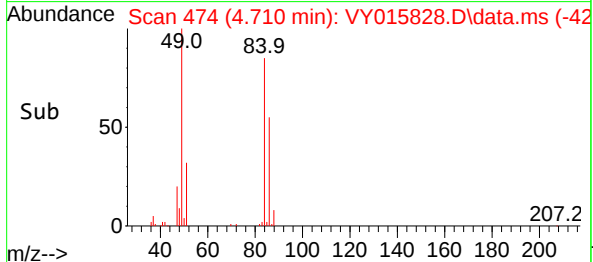
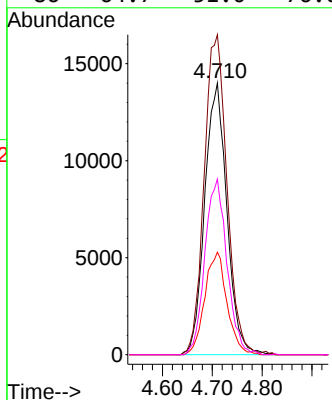
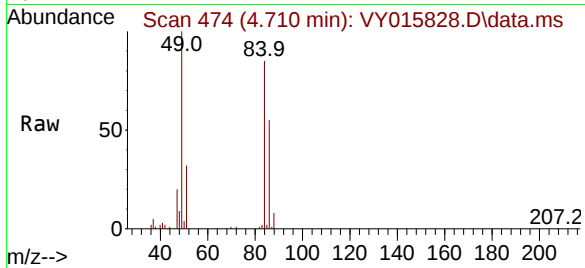




#20  
Methylene Chloride  
Concen: 17.614 ug/l  
RT: 4.710 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY015828.D  
Acq: 04 Oct 2023 15:25

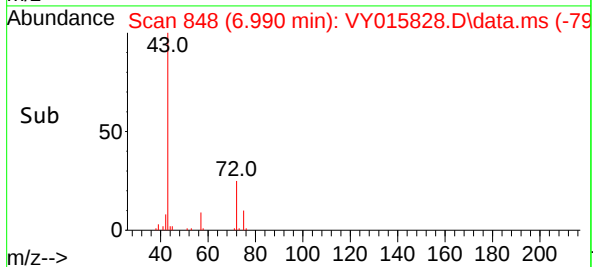
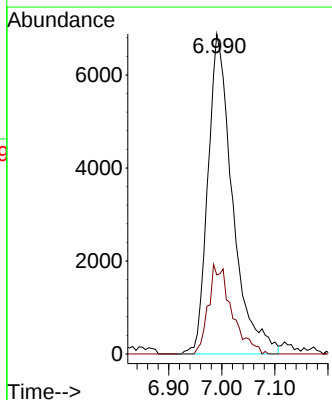
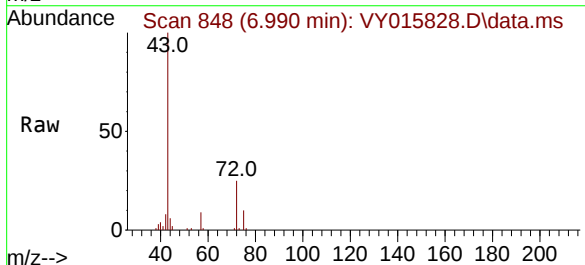
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

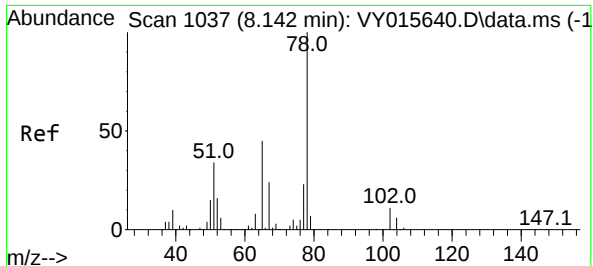
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 43270 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.8 | 106.9 | 160.3 |
| 51       | 37.7  | 33.2  | 49.8  |
| 86       | 64.7  | 51.0  | 76.6  |



#25  
2-Butanone  
Concen: 16.495 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.012 min  
Lab File: VY015828.D  
Acq: 04 Oct 2023 15:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 22202 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 24.7  | 20.5  | 30.7  |





#33

1,2-Dichloroethane-d4

Concen: 61.182 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY015828.D

Acq: 04 Oct 2023 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

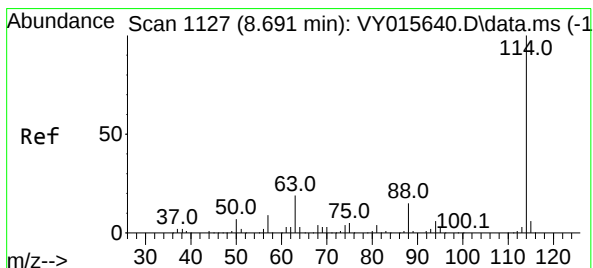
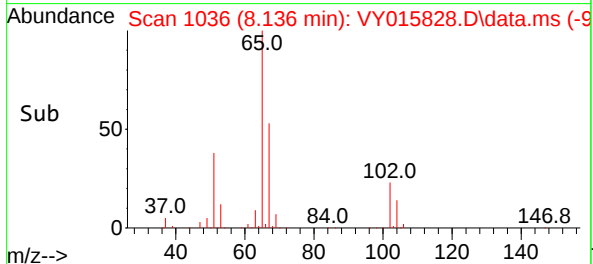
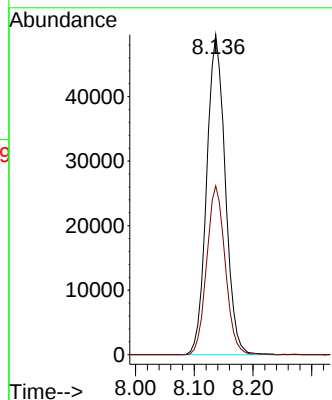
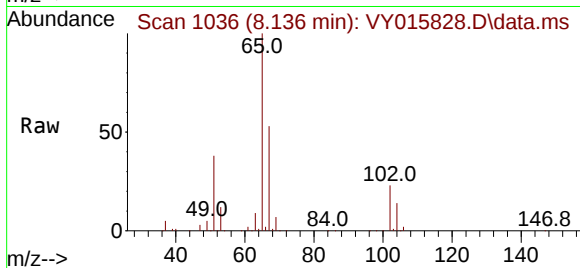
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Tgt Ion: 65 Resp: 108867

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015828.D

Acq: 04 Oct 2023 15:25

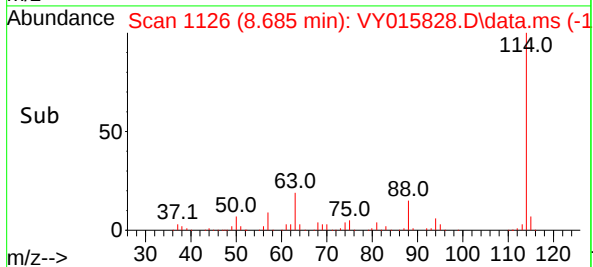
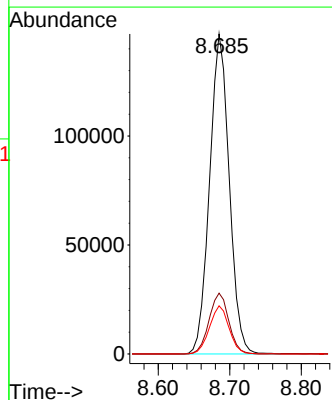
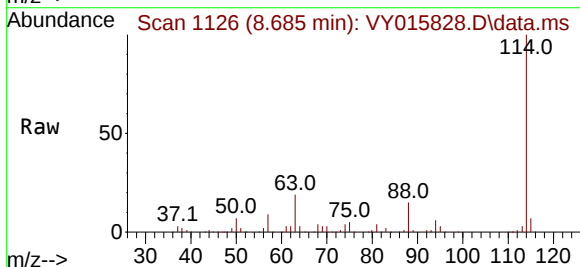
Tgt Ion: 114 Resp: 279813

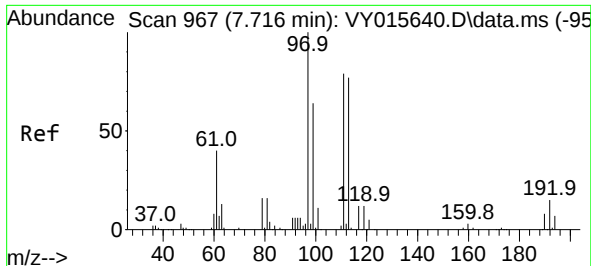
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.260 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015828.D

Acq: 04 Oct 2023 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

TP-3

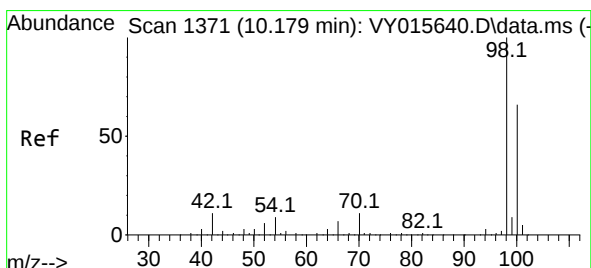
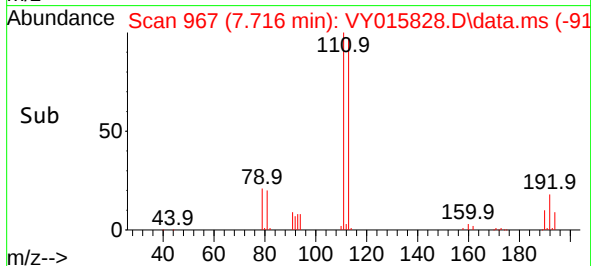
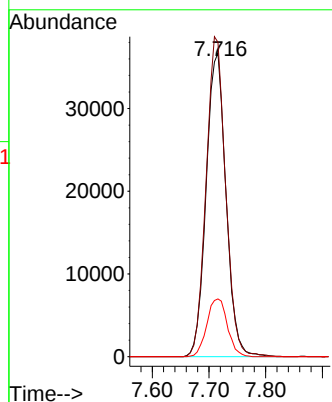
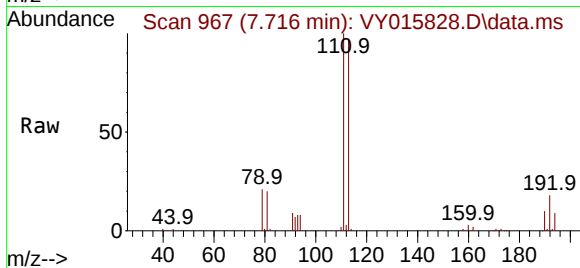
Tgt Ion:113 Resp: 89199

Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

192 19.7 16.9 25.3



#50

Toluene-d8

Concen: 57.946 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015828.D

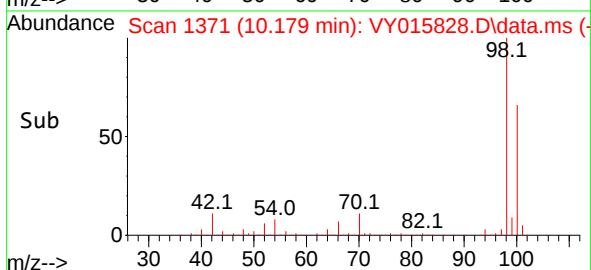
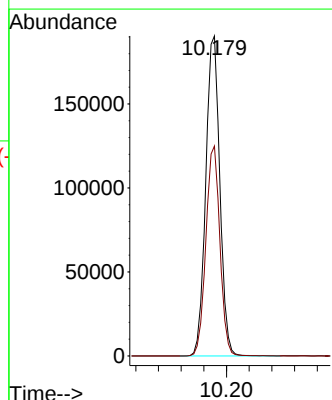
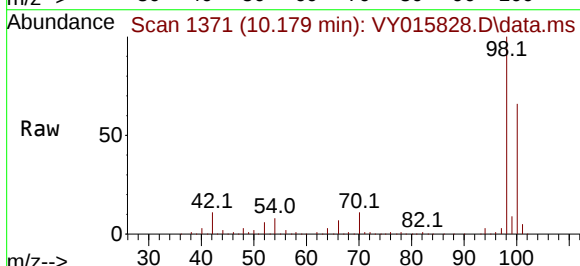
Acq: 04 Oct 2023 15:25

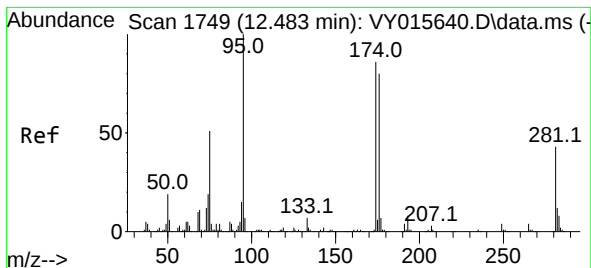
Tgt Ion: 98 Resp: 329051

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1

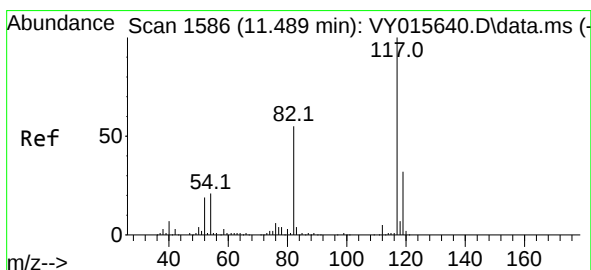
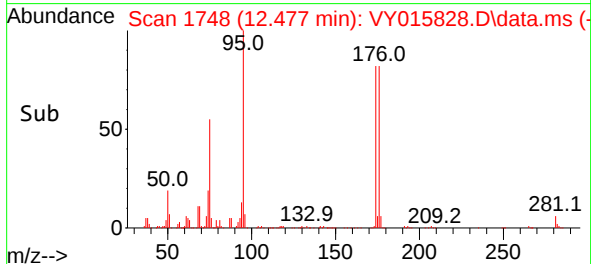
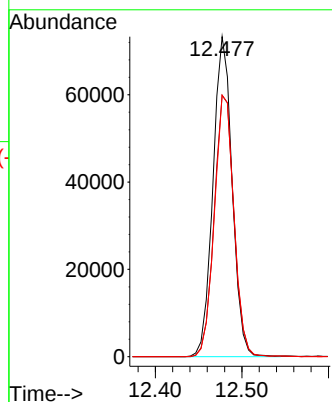
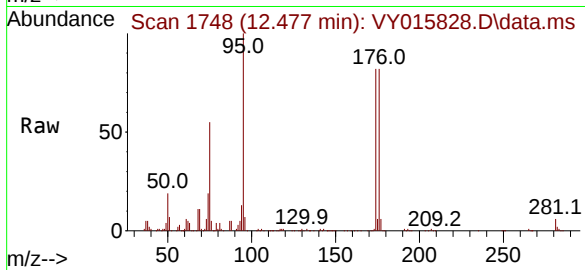




#62  
4-Bromofluorobenzene  
Concen: 50.572 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015828.D  
Acq: 04 Oct 2023 15:25

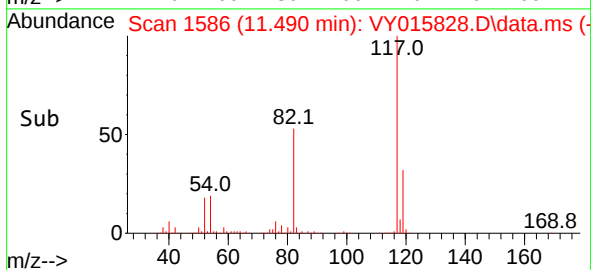
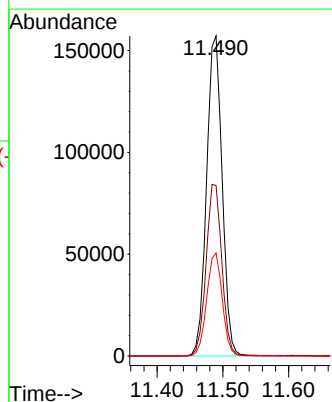
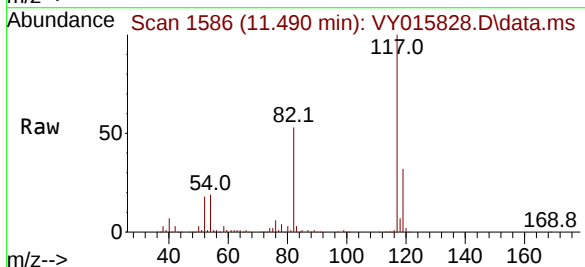
Instrument :  
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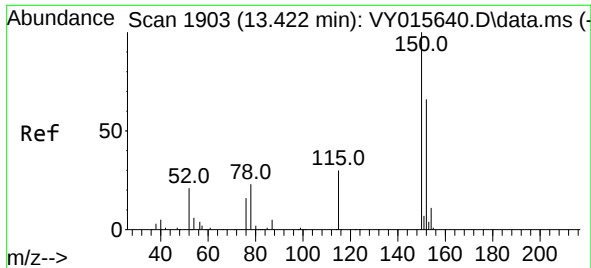
Tgt Ion: 95 Resp: 112698  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 178.2  
176 83.3 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY015828.D  
Acq: 04 Oct 2023 15:25

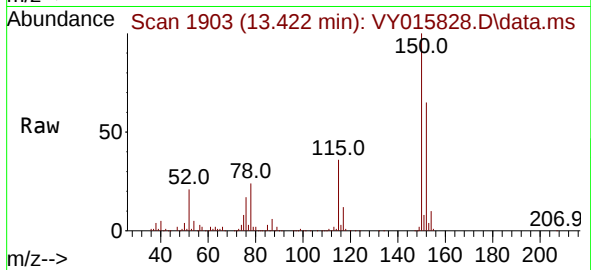
Tgt Ion: 117 Resp: 258767  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.4 65.0  
119 32.2 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY015828.D  
 Acq: 04 Oct 2023 15:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 119749  
 Ion Ratio Lower Upper  
 152 100  
 115 57.8 28.8 86.5  
 150 158.5 0.0 348.8

