

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110923\  
 Data File : VY016282.D  
 Acq On : 09 Nov 2023 15:23  
 Operator : SY/MD  
 Sample : 05293-08  
 Misc : 6.36g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-8

Quant Time: Nov 09 22:59:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

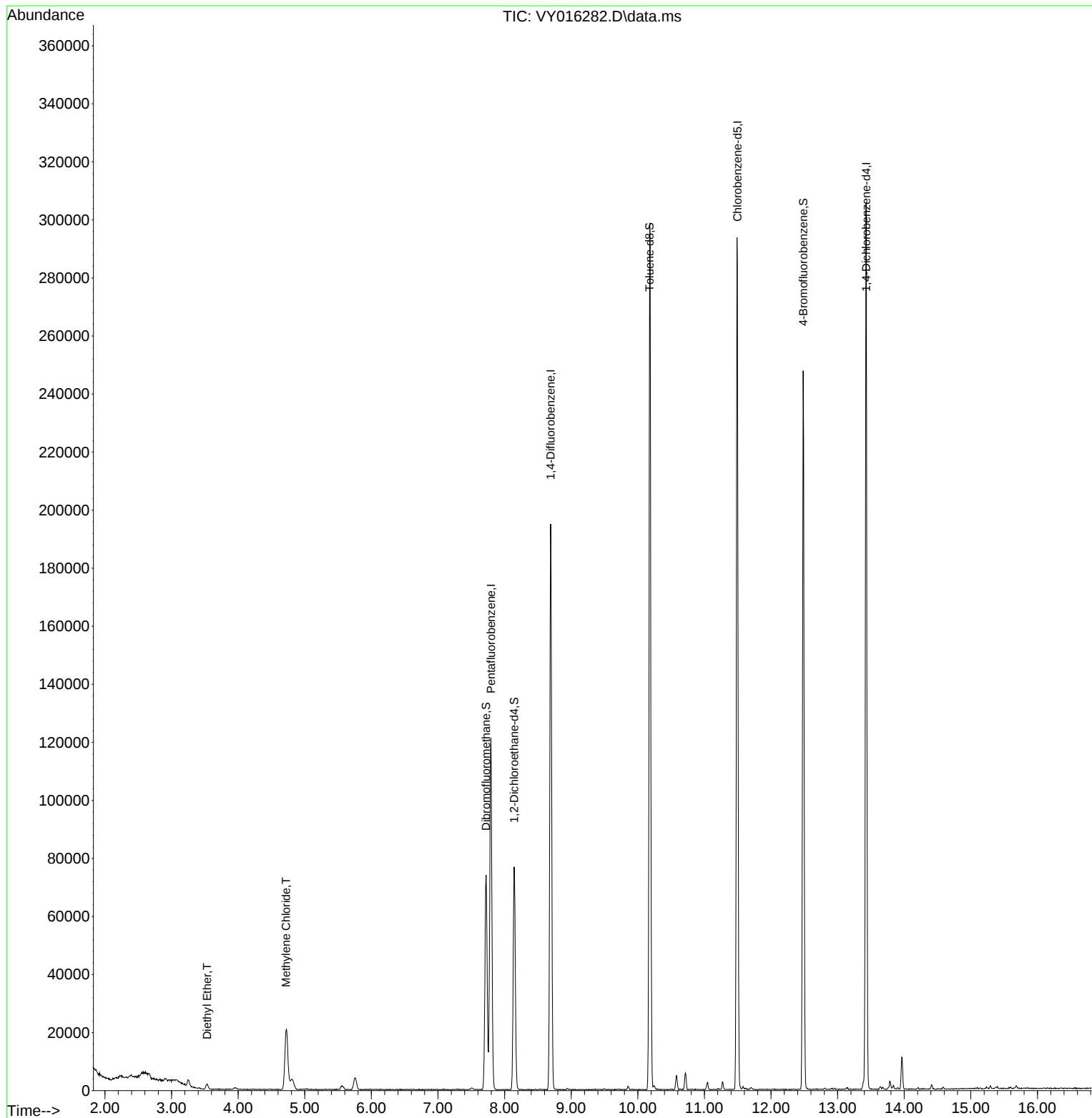
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 95277    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 169747   | 50.000   | ug/l       | -0.01    |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 166456   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 77484    | 50.000   | ug/l       | 0.00     |
|                             |        |       |          |          |            |          |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 59974    | 68.873   | ug/l       | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 137.740% |          |
| 35) Dibromofluoromethane    | 7.722  | 113   | 53444    | 55.424   | ug/l       | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.840% |          |
| 50) Toluene-d8              | 10.179 | 98    | 201789   | 51.604   | ug/l       | -0.01    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 103.200% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 70517    | 55.525   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 111.040% |          |
|                             |        |       |          |          |            |          |
| Target Compounds            |        |       |          |          |            | Qvalue   |
| 8) Diethyl Ether            | 3.533  | 74    | 1052     | 2.059    | ug/l       | 78       |
| 20) Methylene Chloride      | 4.716  | 84    | 16559    | 13.750   | ug/l #     | 85       |
| -----                       |        |       |          |          |            |          |

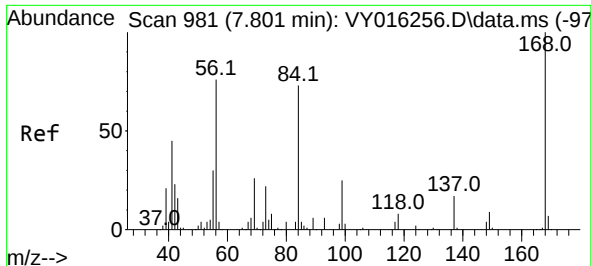
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110923\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
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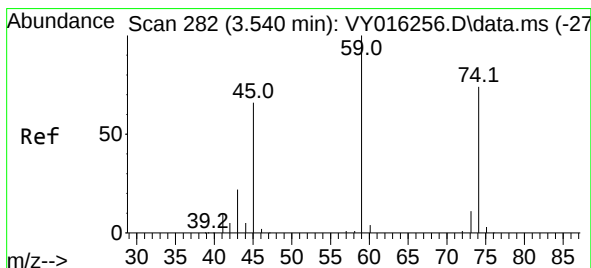
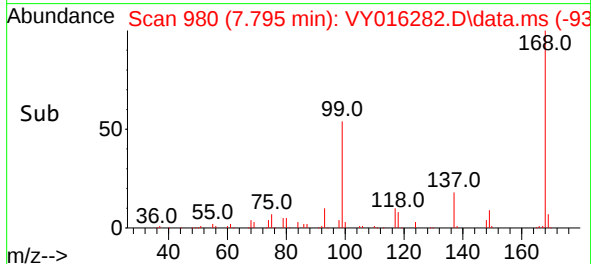
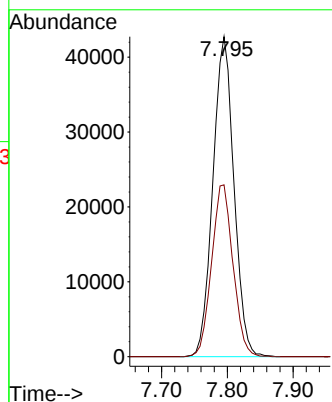
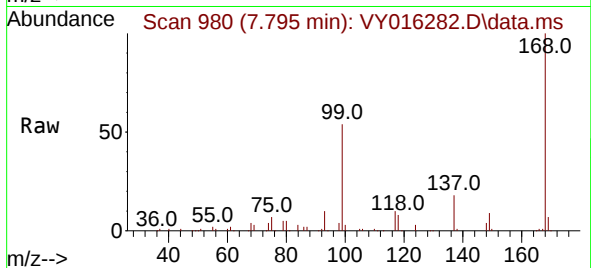




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016282.D  
Acq: 09 Nov 2023 15:23

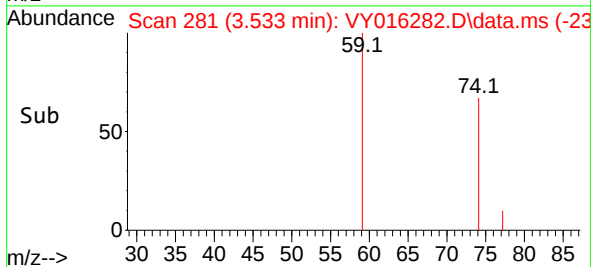
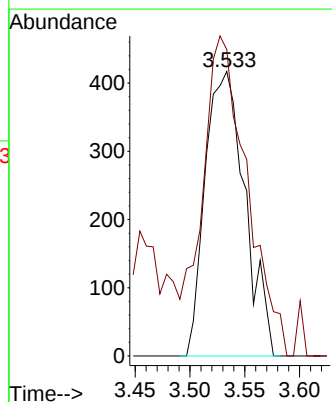
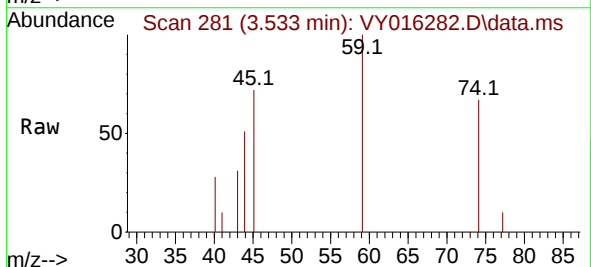
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-8

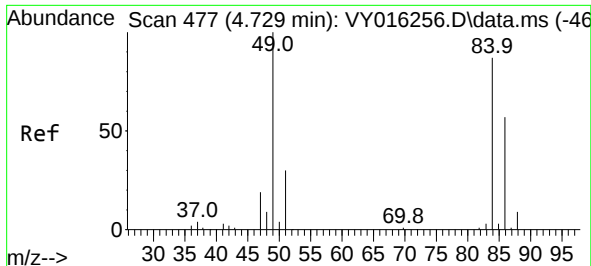
Tgt Ion:168 Resp: 95277  
Ion Ratio Lower Upper  
168 100  
99 53.7 43.4 65.0



#8  
Diethyl Ether  
Concen: 2.059 ug/l  
RT: 3.533 min Scan# 281  
Delta R.T. -0.006 min  
Lab File: VY016282.D  
Acq: 09 Nov 2023 15:23

Tgt Ion: 74 Resp: 1052  
Ion Ratio Lower Upper  
74 100  
45 125.5 51.5 154.5

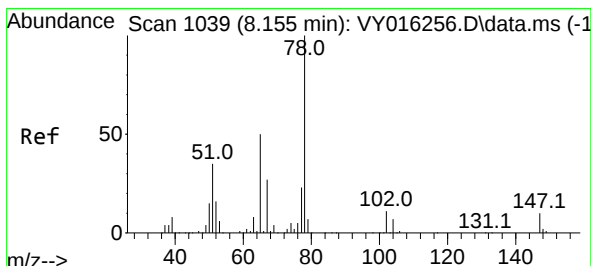
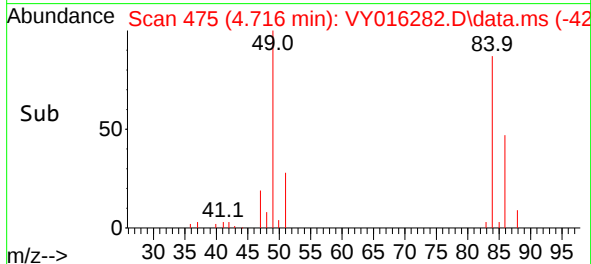
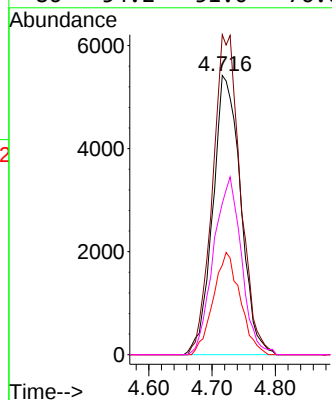
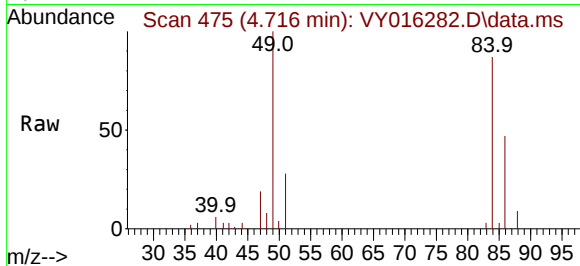




#20  
Methylene Chloride  
Concen: 13.750 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. -0.013 min  
Lab File: VY016282.D  
Acq: 09 Nov 2023 15:23

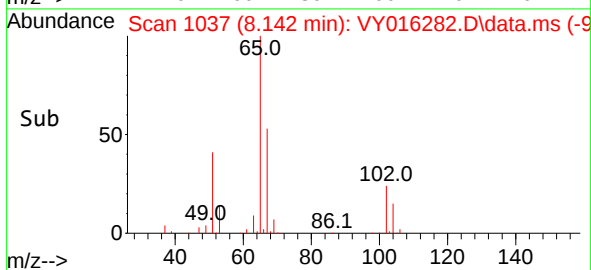
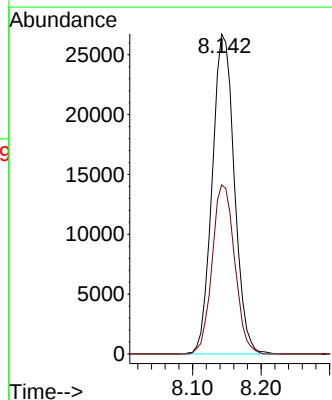
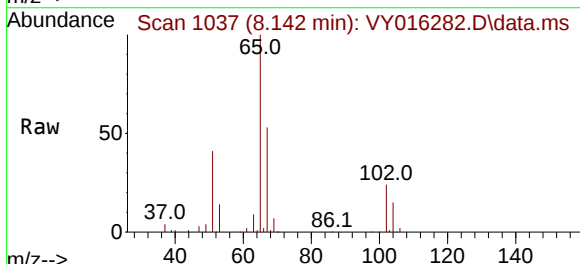
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-8

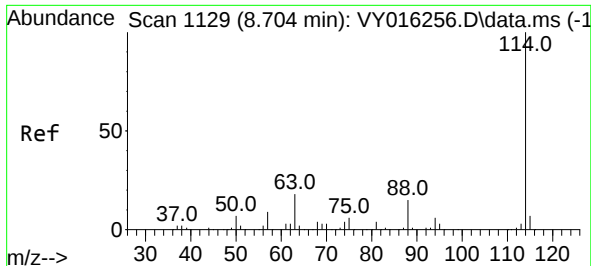
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 16559 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.6 | 106.9 | 160.3 |
| 51       | 32.0  | 33.2  | 49.8# |
| 86       | 54.2  | 51.0  | 76.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 68.873 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.012 min  
Lab File: VY016282.D  
Acq: 09 Nov 2023 15:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 59974 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 53.9  | 0.0   | 101.8 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016282.D

Acq: 09 Nov 2023 15:23

Instrument :

MSVOA\_Y

ClientSampleId :

SB-8

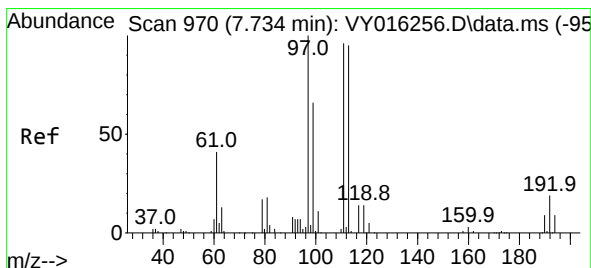
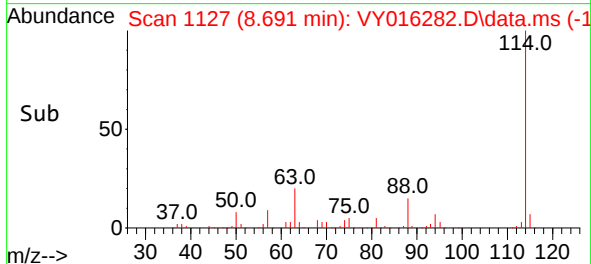
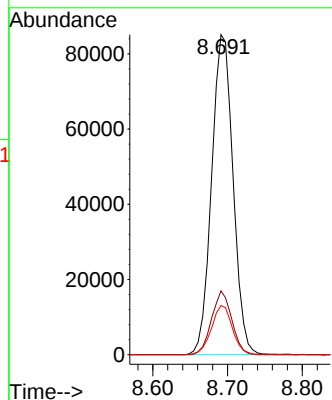
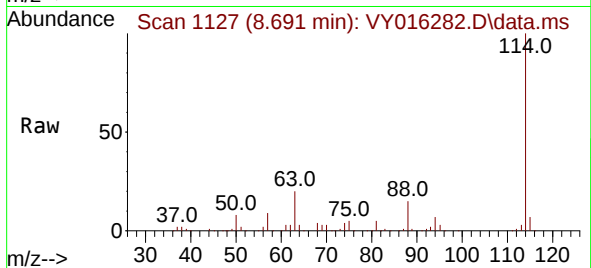
Tgt Ion:114 Resp: 169747

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.424 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016282.D

Acq: 09 Nov 2023 15:23

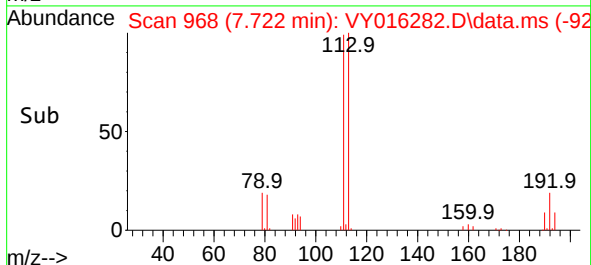
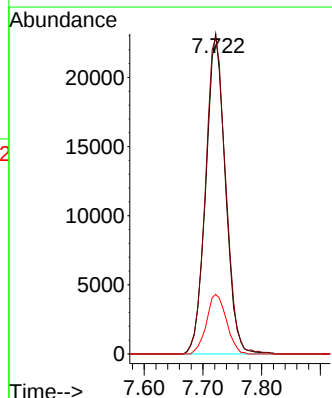
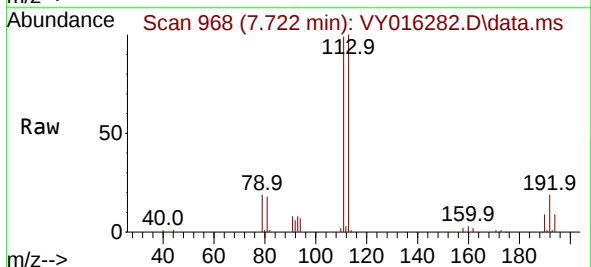
Tgt Ion:113 Resp: 53444

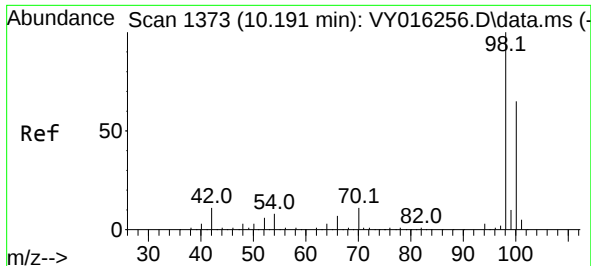
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 19.0 16.9 25.3

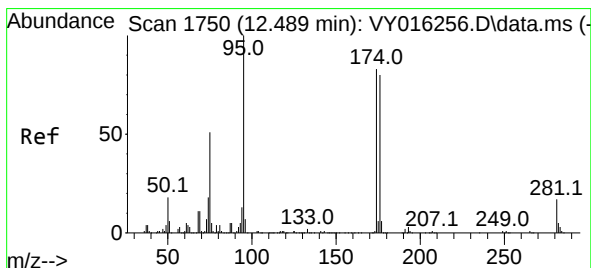
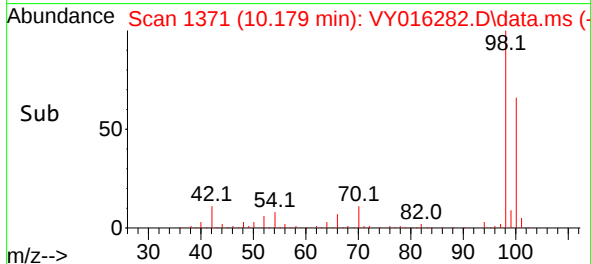
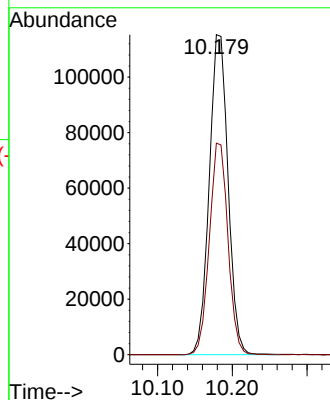
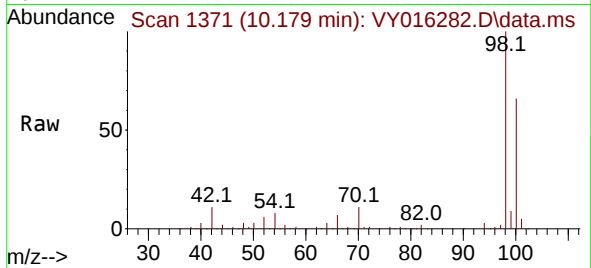




#50  
Toluene-d8  
Concen: 51.604 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY016282.D  
Acq: 09 Nov 2023 15:23

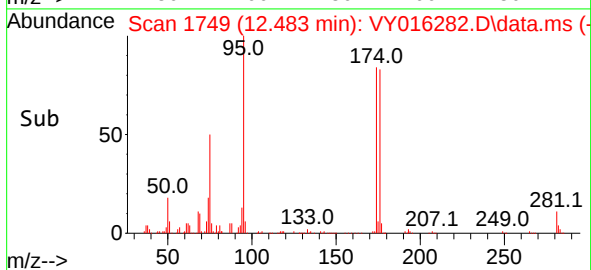
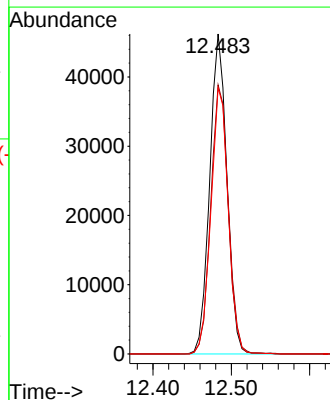
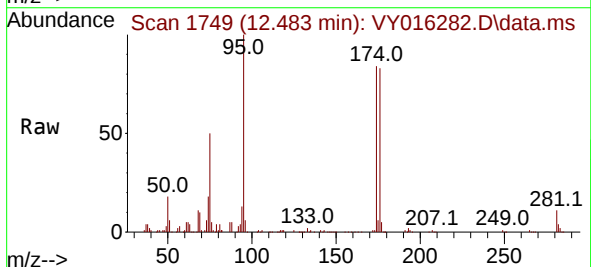
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-8

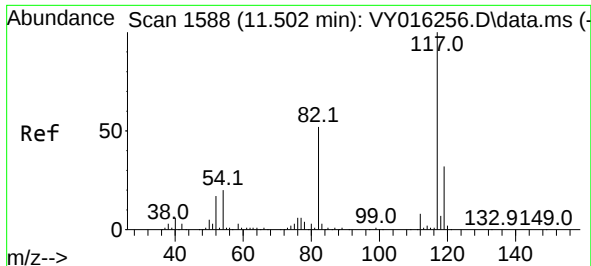
Tgt Ion: 98 Resp: 201789  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 55.525 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY016282.D  
Acq: 09 Nov 2023 15:23

Tgt Ion: 95 Resp: 70517  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 178.2  
176 83.5 0.0 173.8

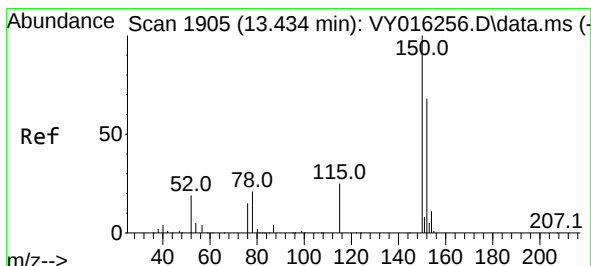
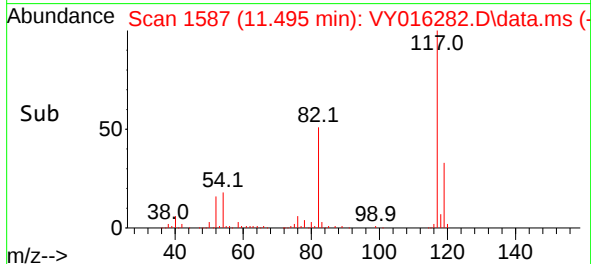
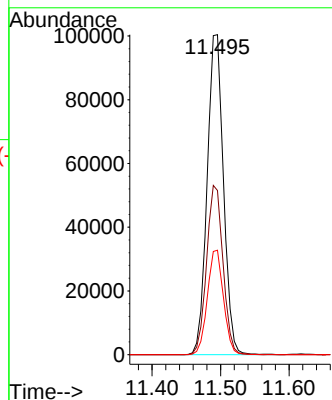
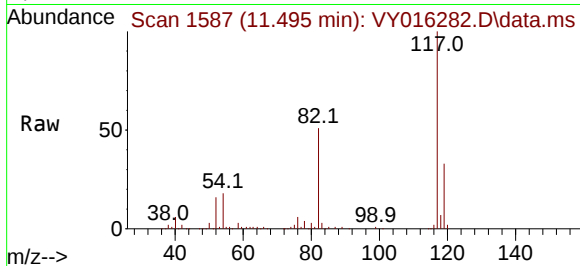




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016282.D  
Acq: 09 Nov 2023 15:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-8

Tgt Ion:117 Resp: 166456  
Ion Ratio Lower Upper  
117 100  
82 51.3 43.4 65.0  
119 32.6 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: VY016282.D  
Acq: 09 Nov 2023 15:23

Tgt Ion:152 Resp: 77484  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.8 86.5  
150 157.4 0.0 348.8

