

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110923\  
 Data File : VY016278.D  
 Acq On : 09 Nov 2023 13:50  
 Operator : SY/MD  
 Sample : 05293-04  
 Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-4

Quant Time: Nov 09 22:58:20 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

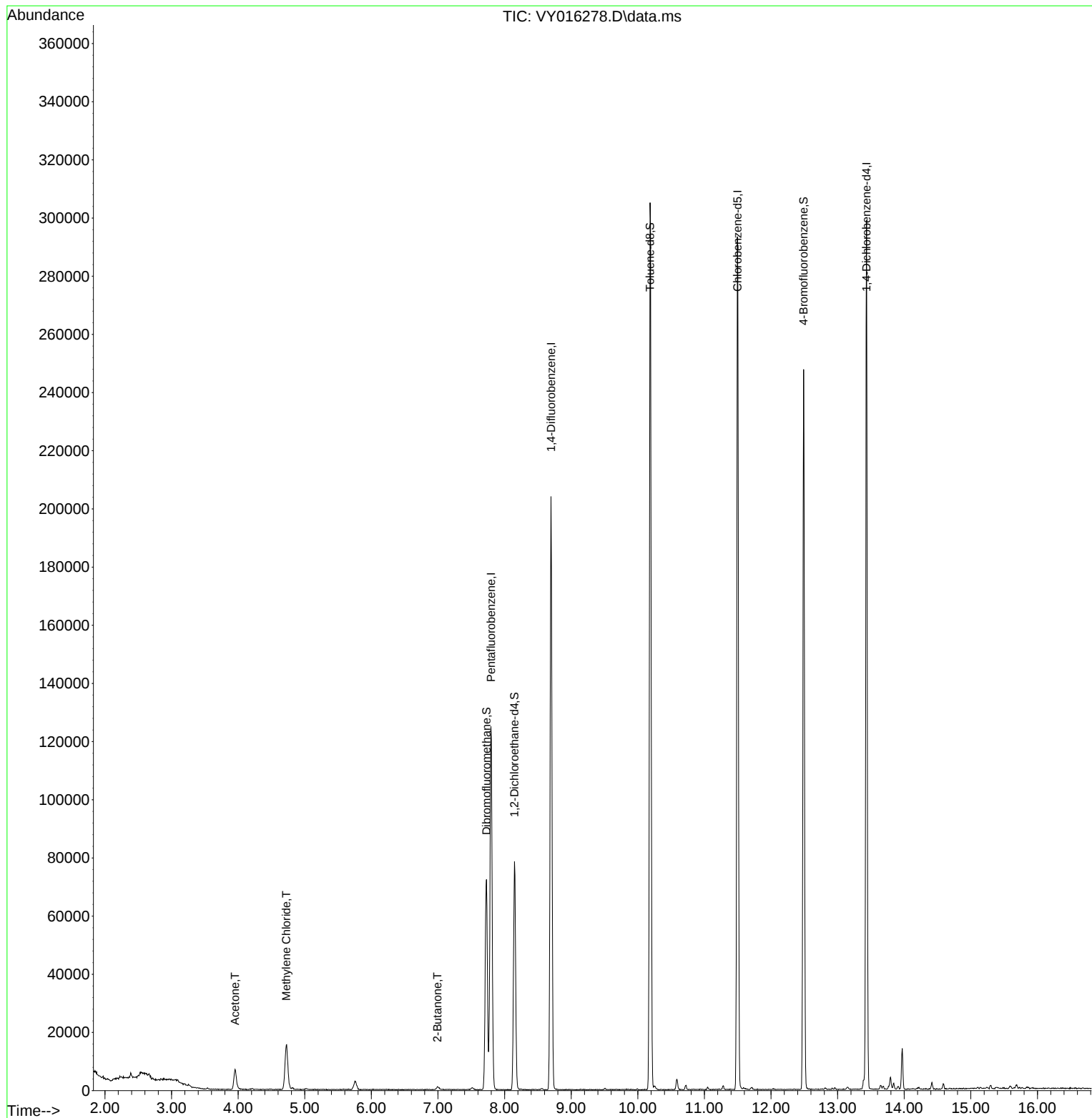
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 7.795          | 168  | 98978               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697          | 114  | 174722              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.496         | 117  | 167018              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434         | 152  | 76227               | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149          | 65   | 61162               | 67.611 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 135.220% |        |        |          |
| 35) Dibromofluoromethane    | 7.728          | 113  | 51810               | 52.200 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 104.400% |        |        |          |
| 50) Toluene-d8              | 10.185         | 98   | 205623              | 51.087 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 134 |      | Recovery = 102.180% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.489         | 95   | 70933               | 54.262 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 30 - 143 |      | Recovery = 108.520% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        | Qvalue   |
| 16) Acetone                 | 3.954          | 43   | 12252               | 81.879 | ug/l # | 88       |
| 20) Methylene Chloride      | 4.722          | 84   | 12164               | 8.627  | ug/l   | 84       |
| 25) 2-Butanone              | 6.990          | 43   | 2009                | 7.665  | ug/l   | 95       |
| -----                       |                |      |                     |        |        |          |

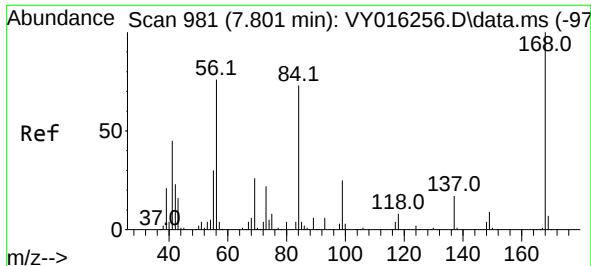
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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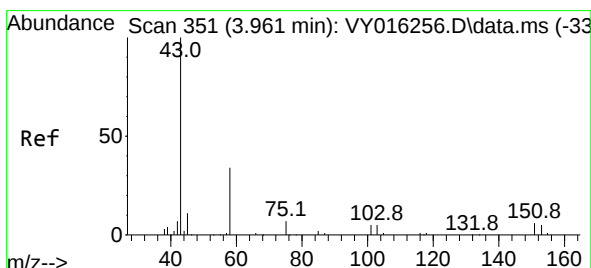
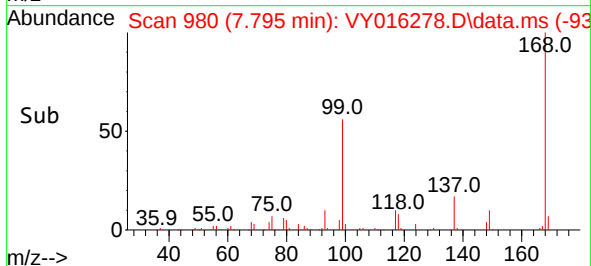
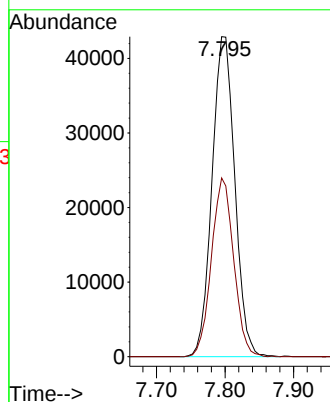
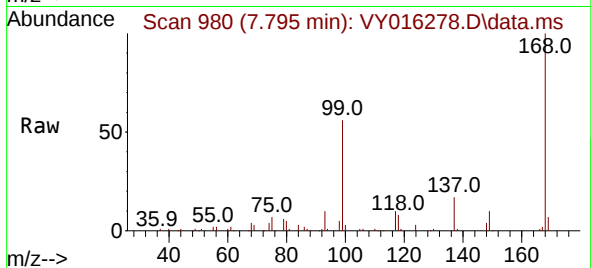




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016278.D  
Acq: 09 Nov 2023 13:50

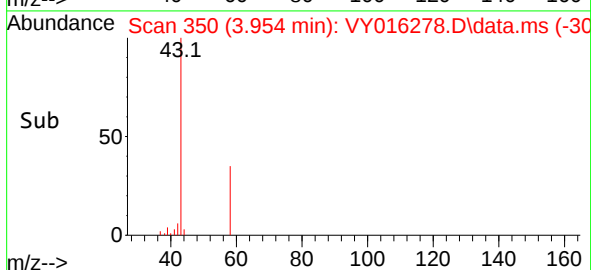
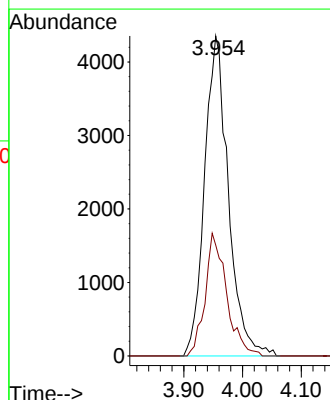
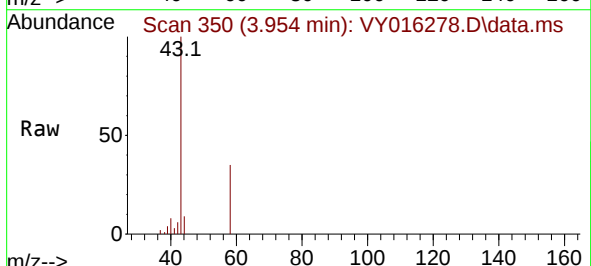
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4

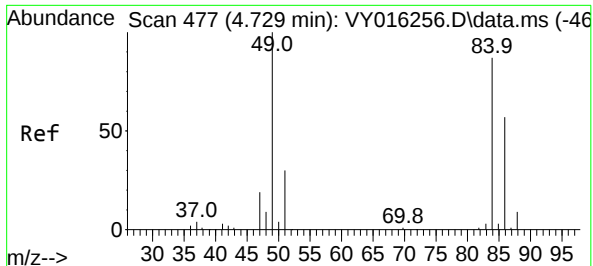
Tgt Ion:168 Resp: 98978  
Ion Ratio Lower Upper  
168 100  
99 55.8 43.4 65.0



#16  
Acetone  
Concen: 81.879 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY016278.D  
Acq: 09 Nov 2023 13:50

Tgt Ion: 43 Resp: 12252  
Ion Ratio Lower Upper  
43 100  
58 34.6 22.7 34.1#

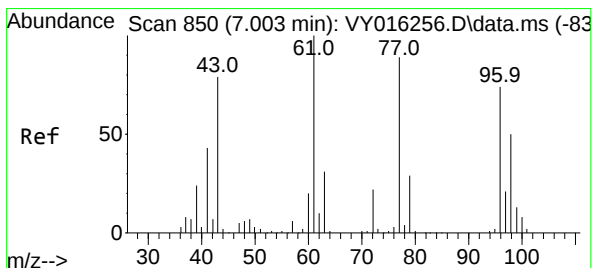
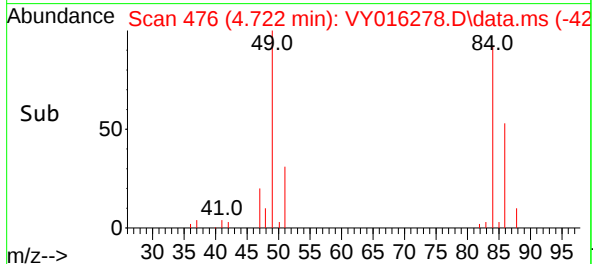
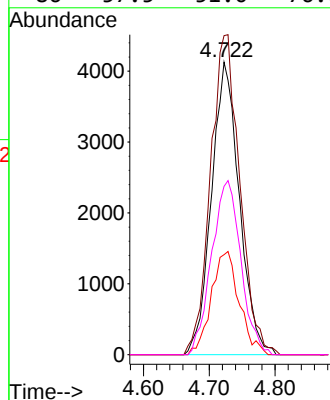
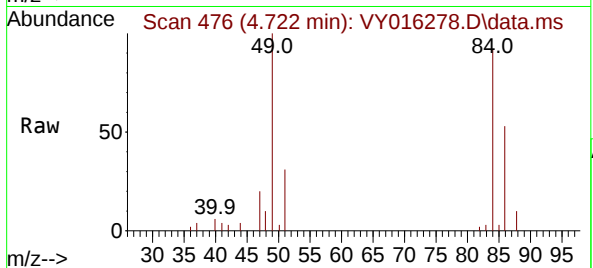




#20  
Methylene Chloride  
Concen: 8.627 ug/l  
RT: 4.722 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VY016278.D  
Acq: 09 Nov 2023 13:50

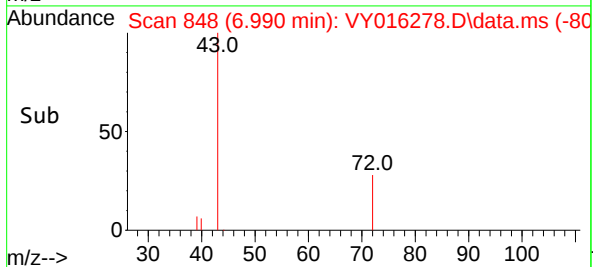
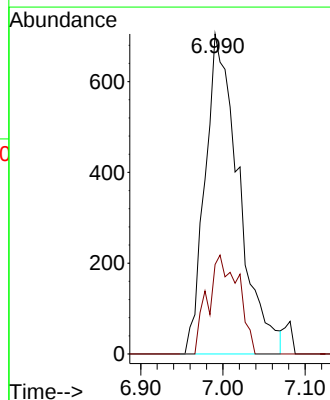
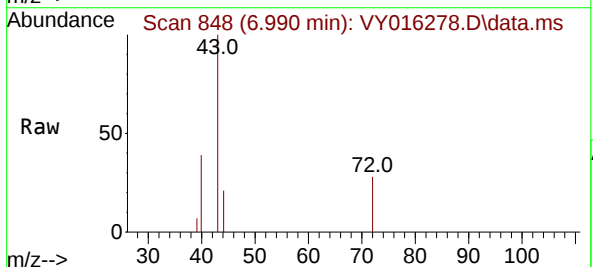
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4

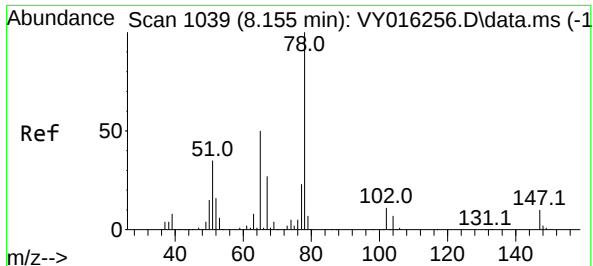
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12164 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 109.1 | 106.9 | 160.3 |
| 51       | 34.2  | 33.2  | 49.8  |
| 86       | 57.5  | 51.0  | 76.6  |



#25  
2-Butanone  
Concen: 7.665 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. -0.012 min  
Lab File: VY016278.D  
Acq: 09 Nov 2023 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2009  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 27.9  | 20.5  | 30.7  |





#33

1,2-Dichloroethane-d4

Concen: 67.611 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY016278.D

Acq: 09 Nov 2023 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

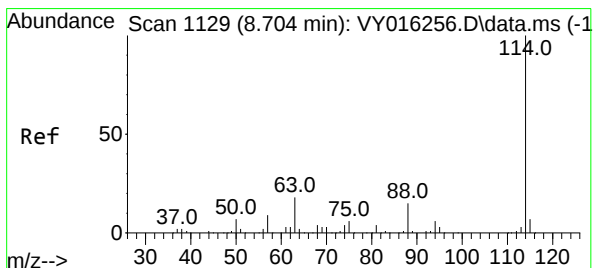
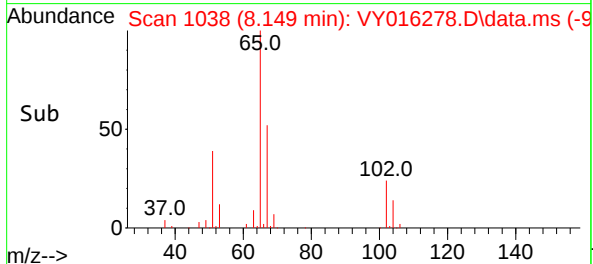
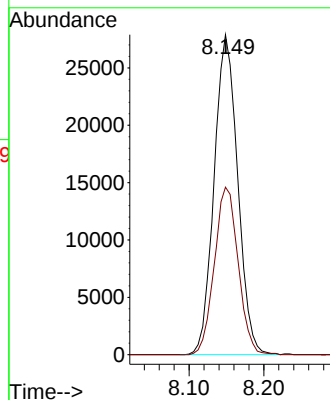
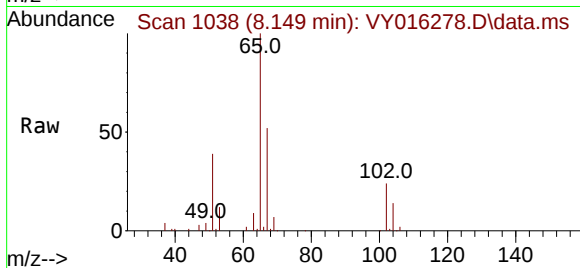
SB-4

Tgt Ion: 65 Resp: 61162

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016278.D

Acq: 09 Nov 2023 13:50

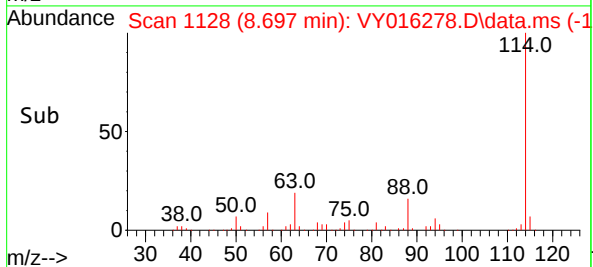
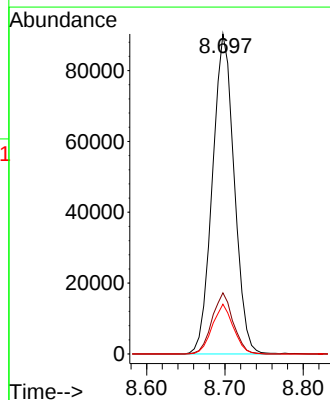
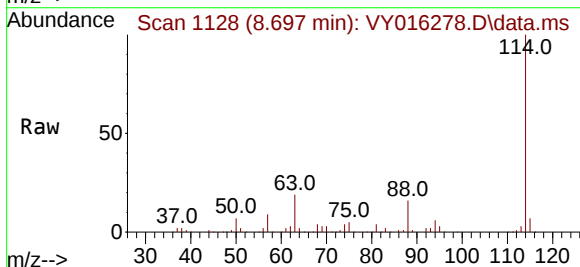
Tgt Ion: 114 Resp: 174722

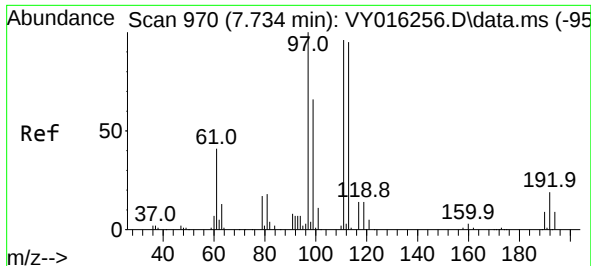
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.5 0.0 30.6

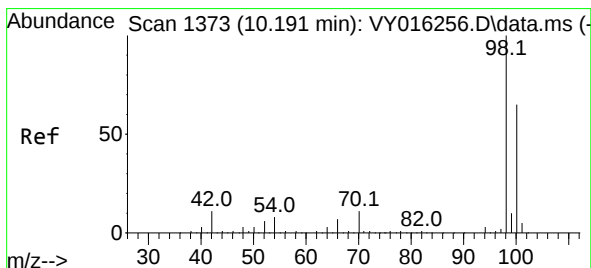
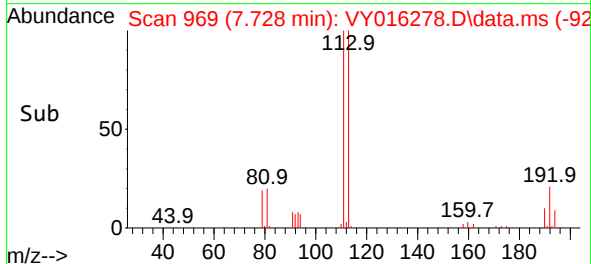
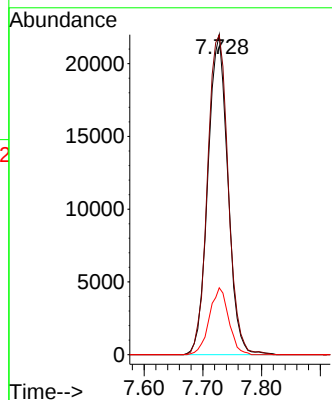
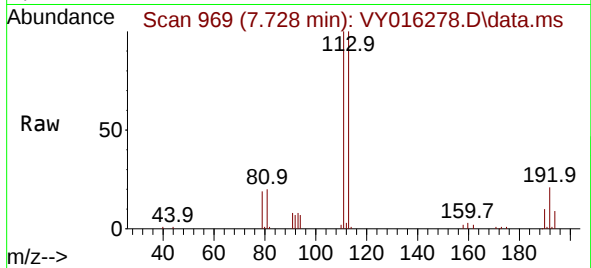




#35  
Dibromofluoromethane  
Concen: 52.200 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016278.D  
Acq: 09 Nov 2023 13:50

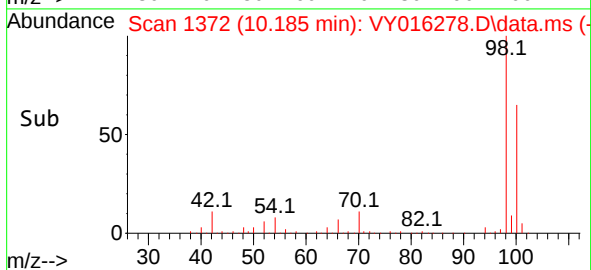
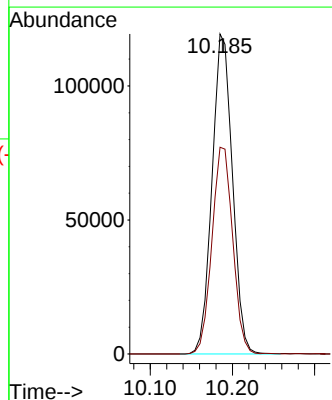
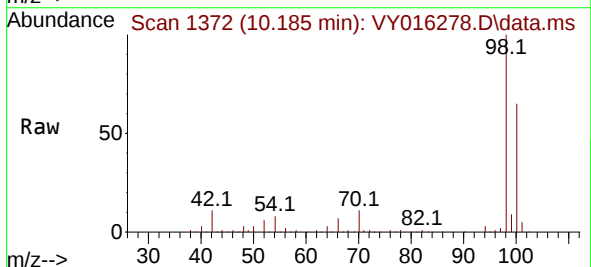
Instrument :  
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ClientSampleId :  
SB-4

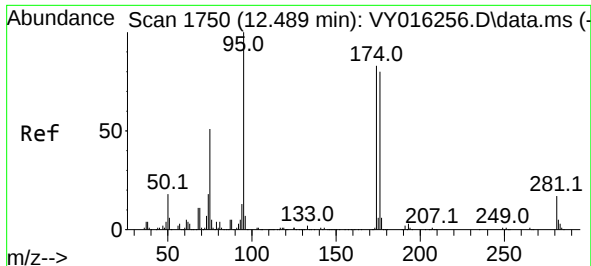
Tgt Ion:113 Resp: 51810  
Ion Ratio Lower Upper  
113 100  
111 103.7 81.3 121.9  
192 20.2 16.9 25.3



#50  
Toluene-d8  
Concen: 51.087 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.006 min  
Lab File: VY016278.D  
Acq: 09 Nov 2023 13:50

Tgt Ion: 98 Resp: 205623  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.1 75.1

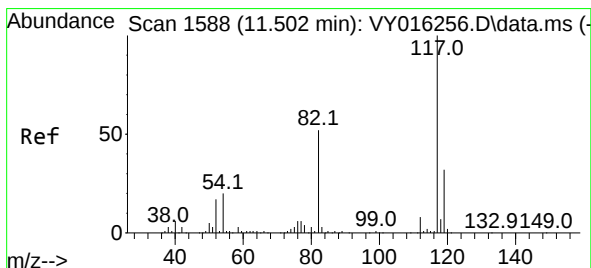
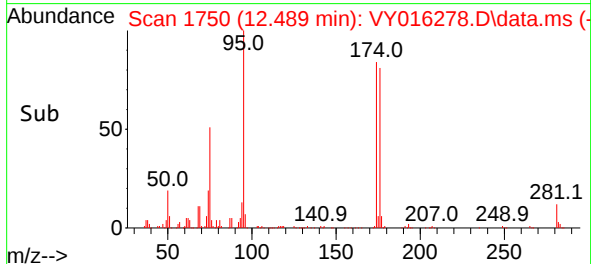
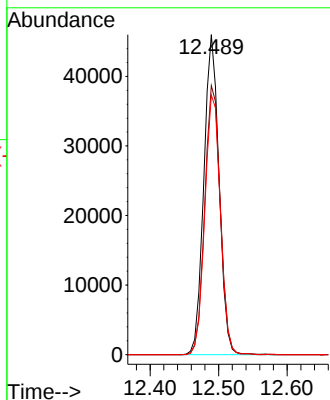
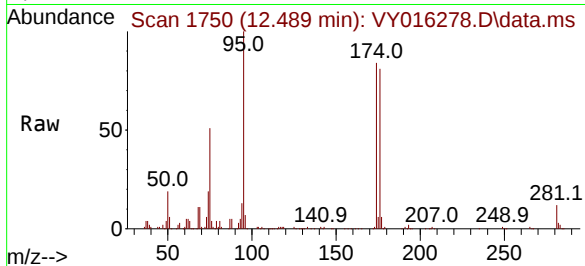




#62  
4-Bromofluorobenzene  
Concen: 54.262 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016278.D  
Acq: 09 Nov 2023 13:50

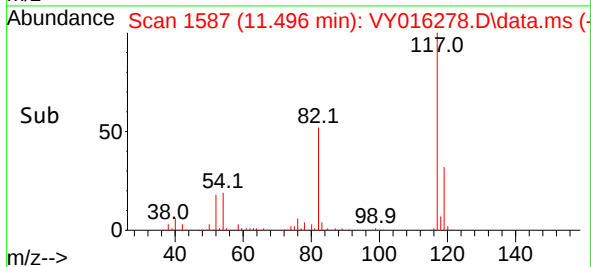
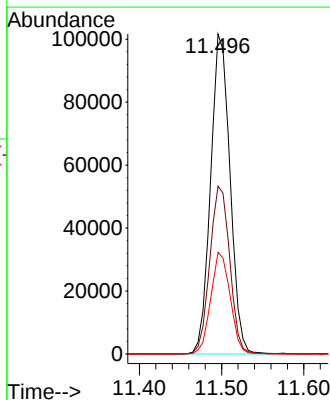
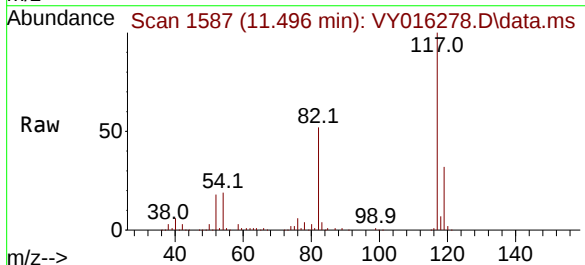
Instrument :  
MSVOA\_Y  
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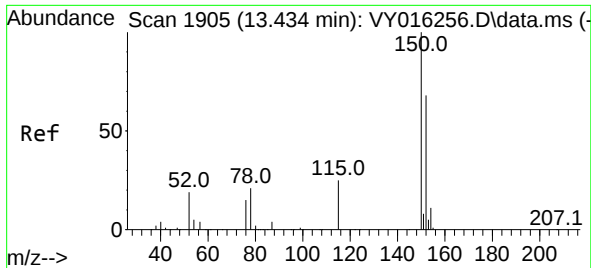
Tgt Ion: 95 Resp: 70933  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 178.2  
176 83.3 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY016278.D  
Acq: 09 Nov 2023 13:50

Tgt Ion: 117 Resp: 167018  
Ion Ratio Lower Upper  
117 100  
82 52.5 43.4 65.0  
119 31.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016278.D

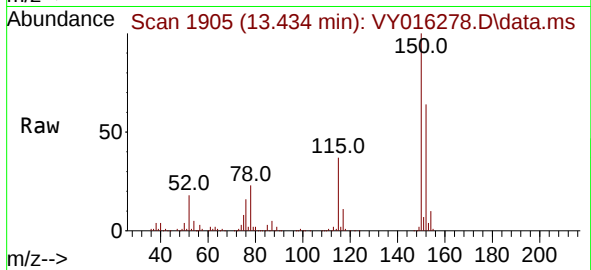
Acq: 09 Nov 2023 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

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Tgt Ion:152 Resp: 76227

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 155.8 0.0 348.8

