

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111623\  
 Data File : VY016394.D  
 Acq On : 16 Nov 2023 16:50  
 Operator : SY/MD  
 Sample : 05447-04  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP2

Quant Time: Nov 17 04:08:50 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

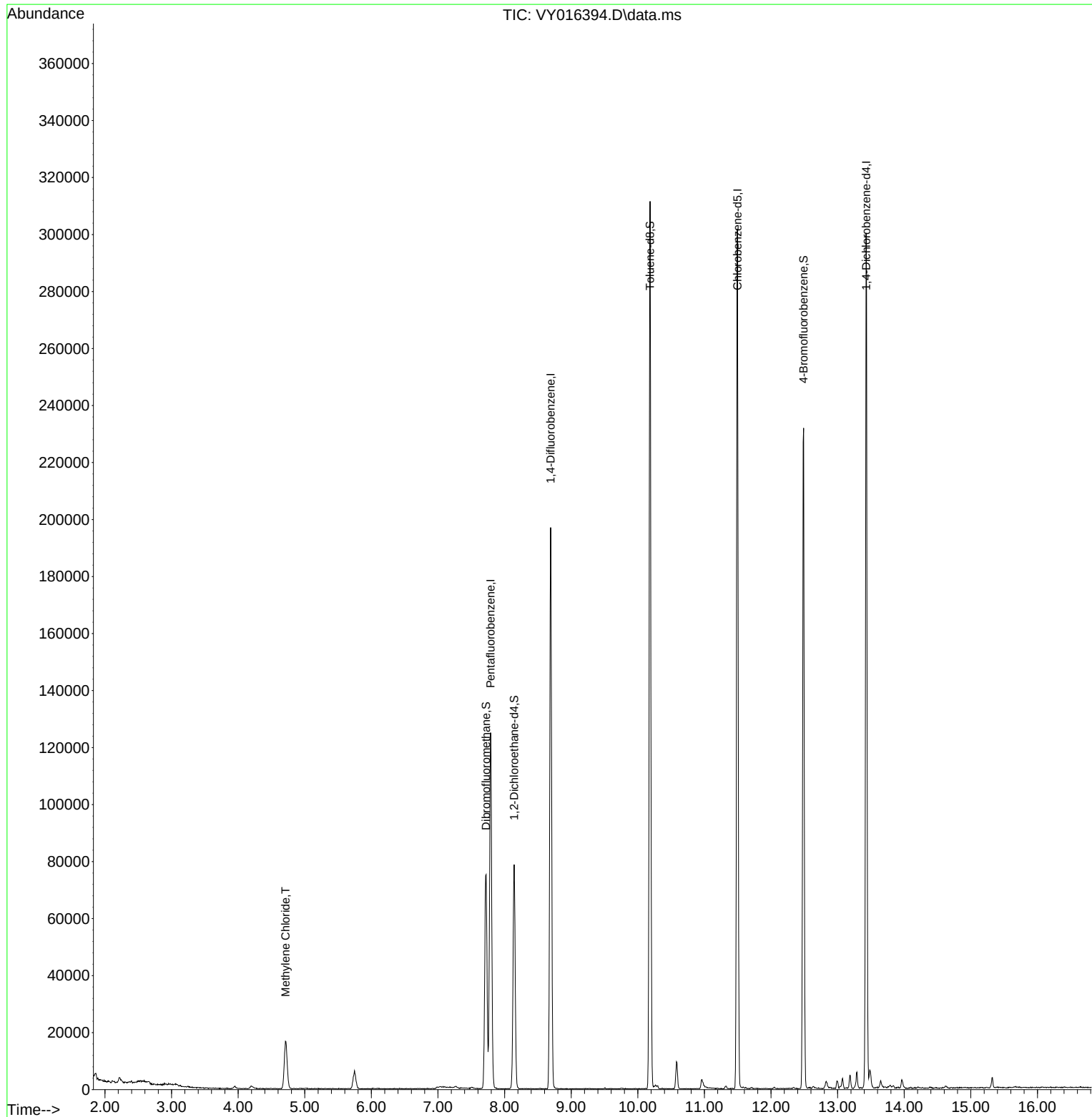
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 7.789     | 168            | 98584    | 50.000     | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene     | 8.691     | 114            | 173111   | 50.000     | ug/l   | -0.01    |
| 63) Chlorobenzene-d5        | 11.496    | 117            | 167281   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152            | 78562    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142     | 65             | 61809    | 68.599     | ug/l   | -0.01    |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | = 137.200% |        |          |
| 35) Dibromofluoromethane    | 7.722     | 113            | 55100    | 56.031     | ug/l   | -0.01    |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | = 112.060% |        |          |
| 50) Toluene-d8              | 10.185    | 98             | 205865   | 51.624     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 58 - 134 | Recovery | = 103.240% |        |          |
| 62) 4-Bromofluorobenzene    | 12.489    | 95             | 72278    | 55.805     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 30 - 143 | Recovery | = 111.620% |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            |        | Qvalue   |
| 20) Methylene Chloride      | 4.710     | 84             | 13553    | 10.094     | ug/l # | 80       |
| -----                       |           |                |          |            |        |          |

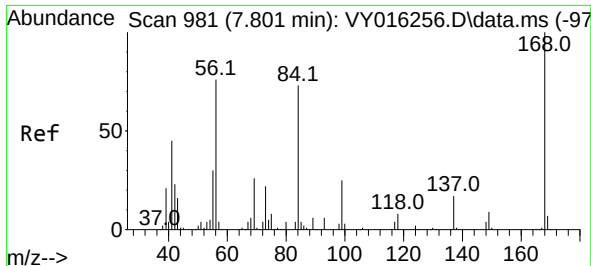
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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  
Response via : Initial Calibration

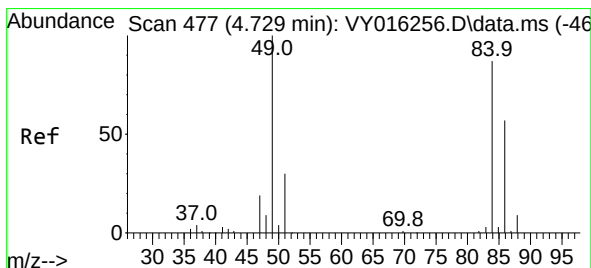
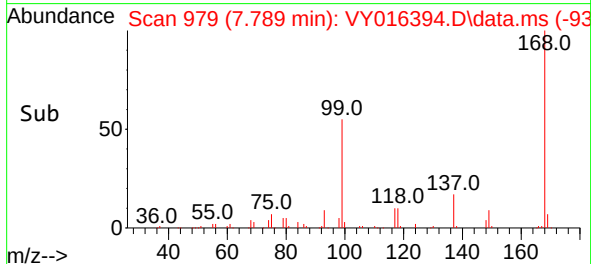
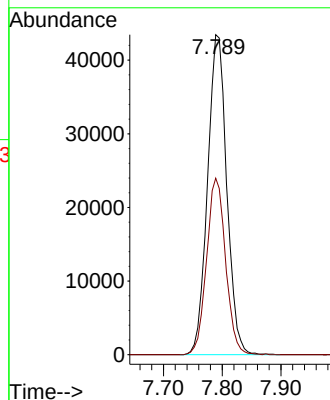
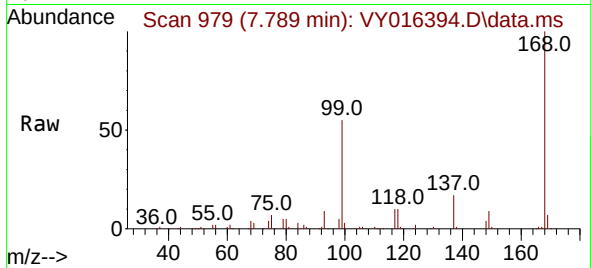




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY016394.D  
Acq: 16 Nov 2023 16:50

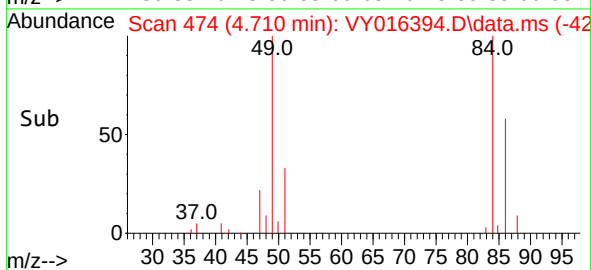
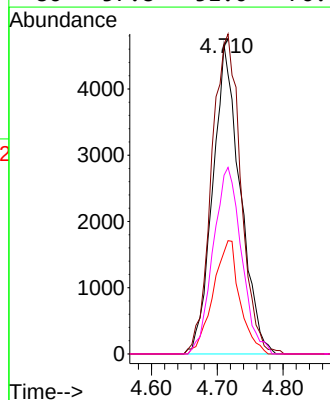
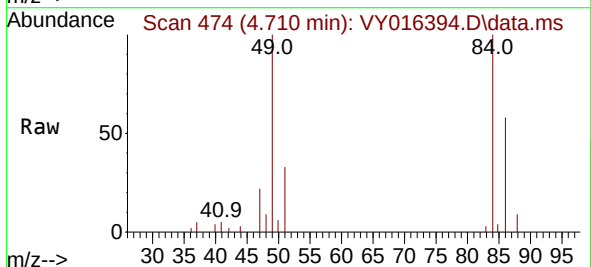
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP2

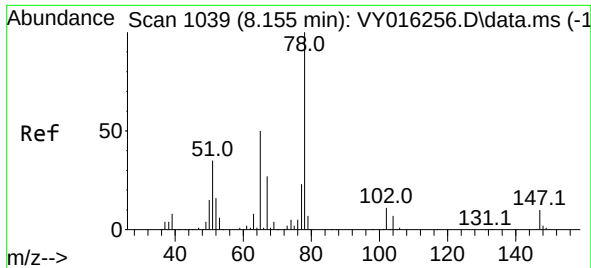
Tgt Ion:168 Resp: 98584  
Ion Ratio Lower Upper  
168 100  
99 55.1 43.4 65.0



#20  
Methylene Chloride  
Concen: 10.094 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.019 min  
Lab File: VY016394.D  
Acq: 16 Nov 2023 16:50

Tgt Ion: 84 Resp: 13553  
Ion Ratio Lower Upper  
84 100  
49 100.1 106.9 160.3#  
51 33.0 33.2 49.8#  
86 57.8 51.0 76.6

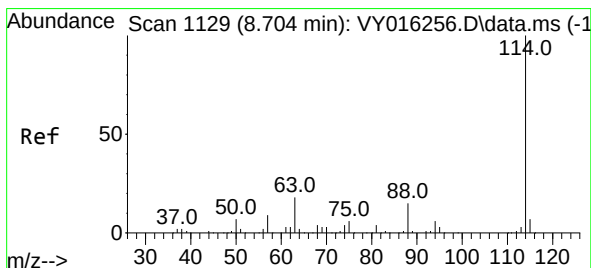
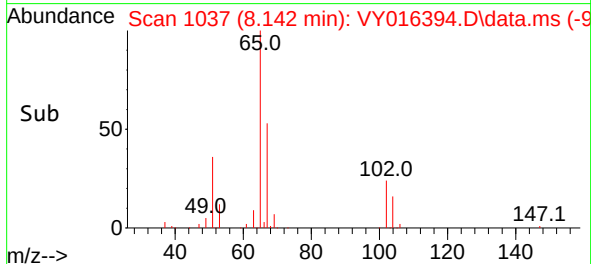
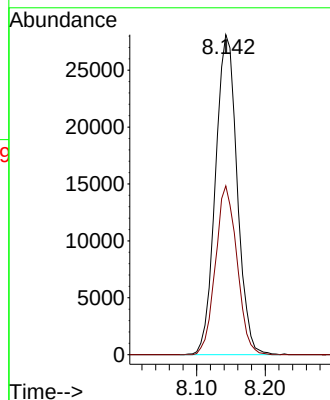
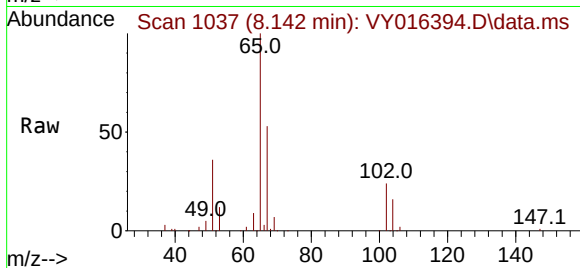




#33  
 1,2-Dichloroethane-d4  
 Concen: 68.599 ug/l  
 RT: 8.142 min Scan# 1103  
 Delta R.T. -0.012 min  
 Lab File: VY016394.D  
 Acq: 16 Nov 2023 16:50

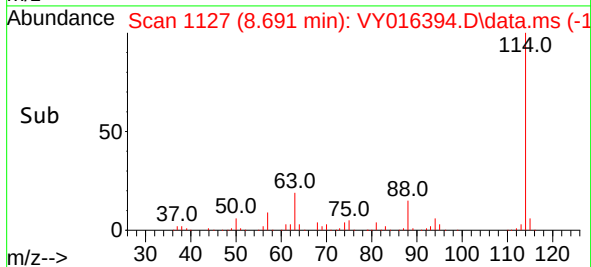
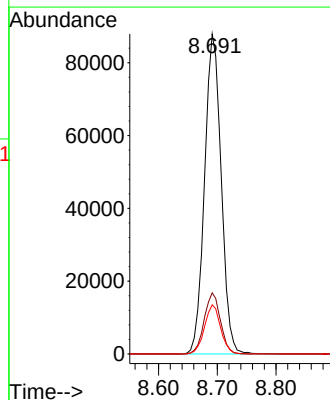
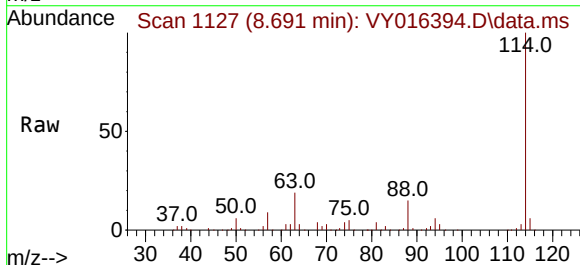
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP2

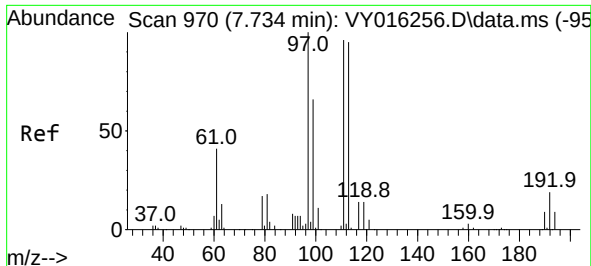
Tgt Ion: 65 Resp: 61809  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. -0.012 min  
 Lab File: VY016394.D  
 Acq: 16 Nov 2023 16:50

Tgt Ion:114 Resp: 173111  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 42.4  
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.031 ug/l

RT: 7.722 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY016394.D

Acq: 16 Nov 2023 16:50

Instrument :

MSVOA\_Y

ClientSampleId :

SP2

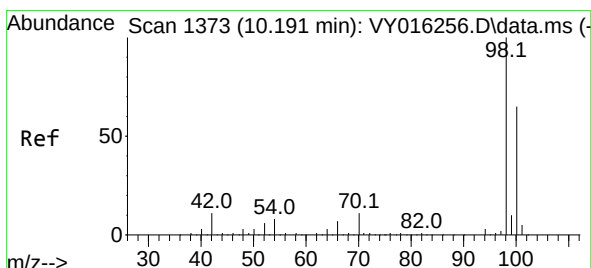
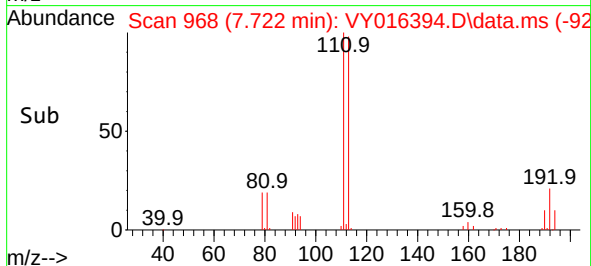
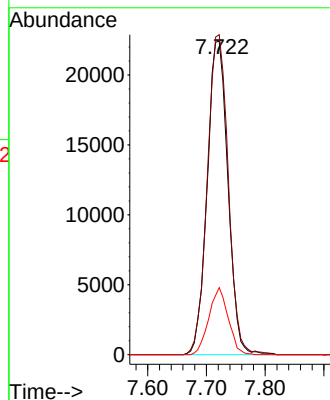
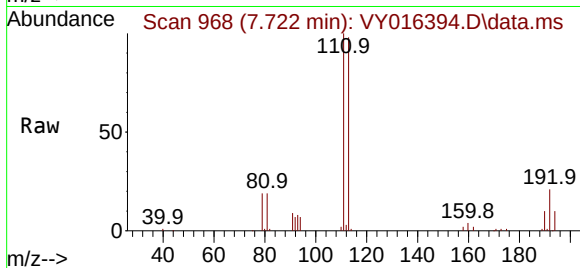
Tgt Ion:113 Resp: 55100

Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 20.0 16.9 25.3



#50

Toluene-d8

Concen: 51.624 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016394.D

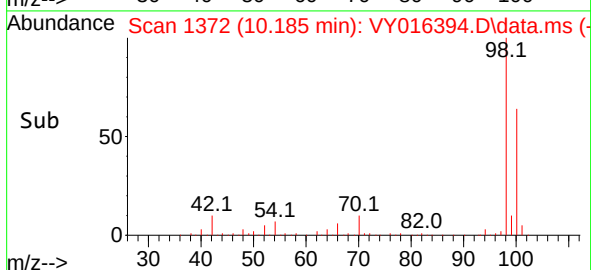
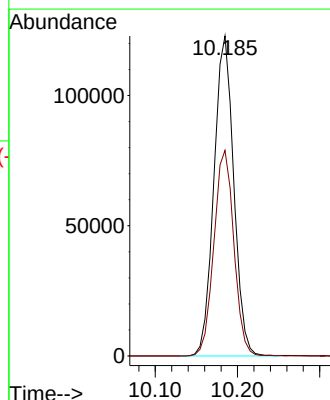
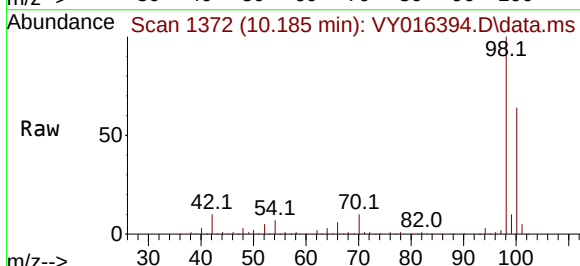
Acq: 16 Nov 2023 16:50

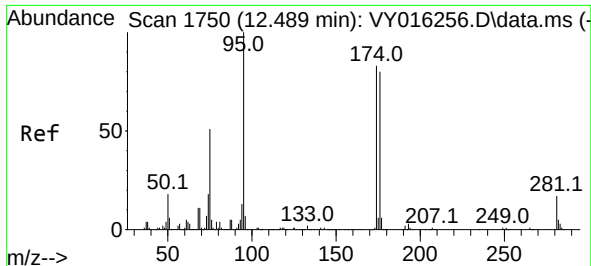
Tgt Ion: 98 Resp: 205865

Ion Ratio Lower Upper

98 100

100 64.7 50.1 75.1

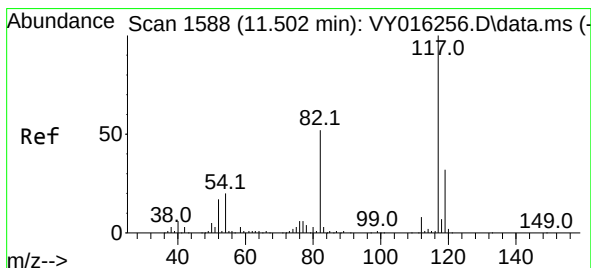
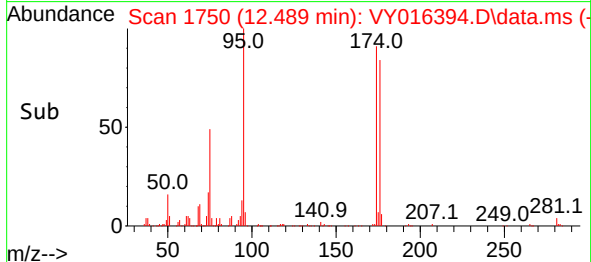
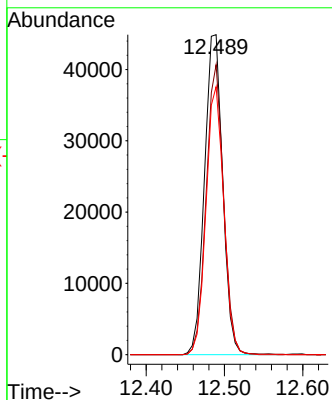
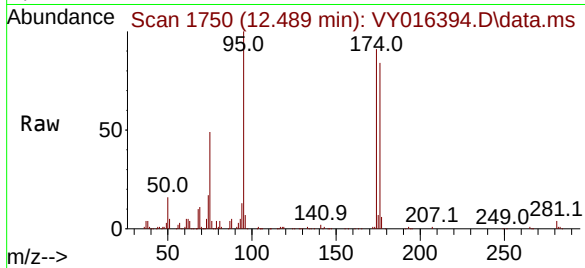




#62  
4-Bromofluorobenzene  
Concen: 55.805 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016394.D  
Acq: 16 Nov 2023 16:50

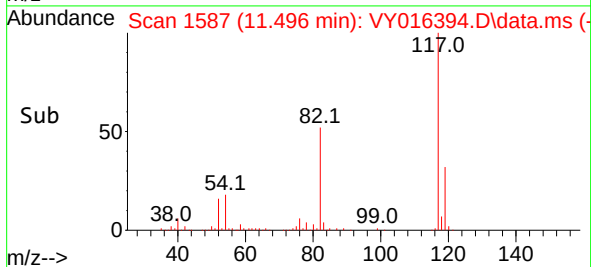
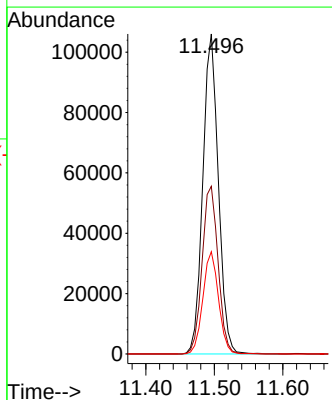
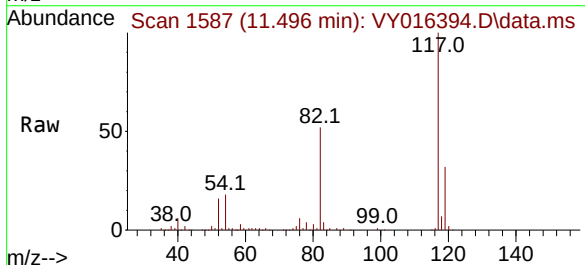
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP2

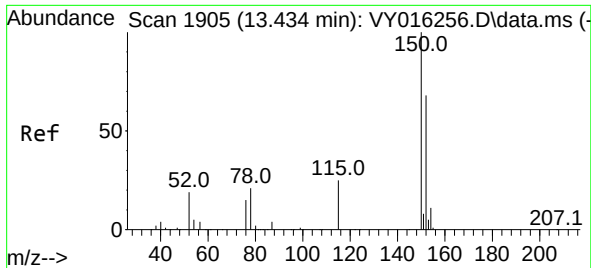
Tgt Ion: 95 Resp: 72278  
Ion Ratio Lower Upper  
95 100  
174 87.3 0.0 178.2  
176 81.9 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY016394.D  
Acq: 16 Nov 2023 16:50

Tgt Ion: 117 Resp: 167281  
Ion Ratio Lower Upper  
117 100  
82 52.4 43.4 65.0  
119 31.9 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: VY016394.D  
 Acq: 16 Nov 2023 16:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP2

Tgt Ion:152 Resp: 78562  
 Ion Ratio Lower Upper  
 152 100  
 115 58.0 28.8 86.5  
 150 157.2 0.0 348.8

