

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092923\  
 Data File : VY015768.D  
 Acq On : 29 Sep 2023 20:59  
 Operator : SY/MD  
 Sample : 04657-10  
 Misc : 4.37g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 W-2(2-6IN)

Quant Time: Sep 30 01:19:23 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

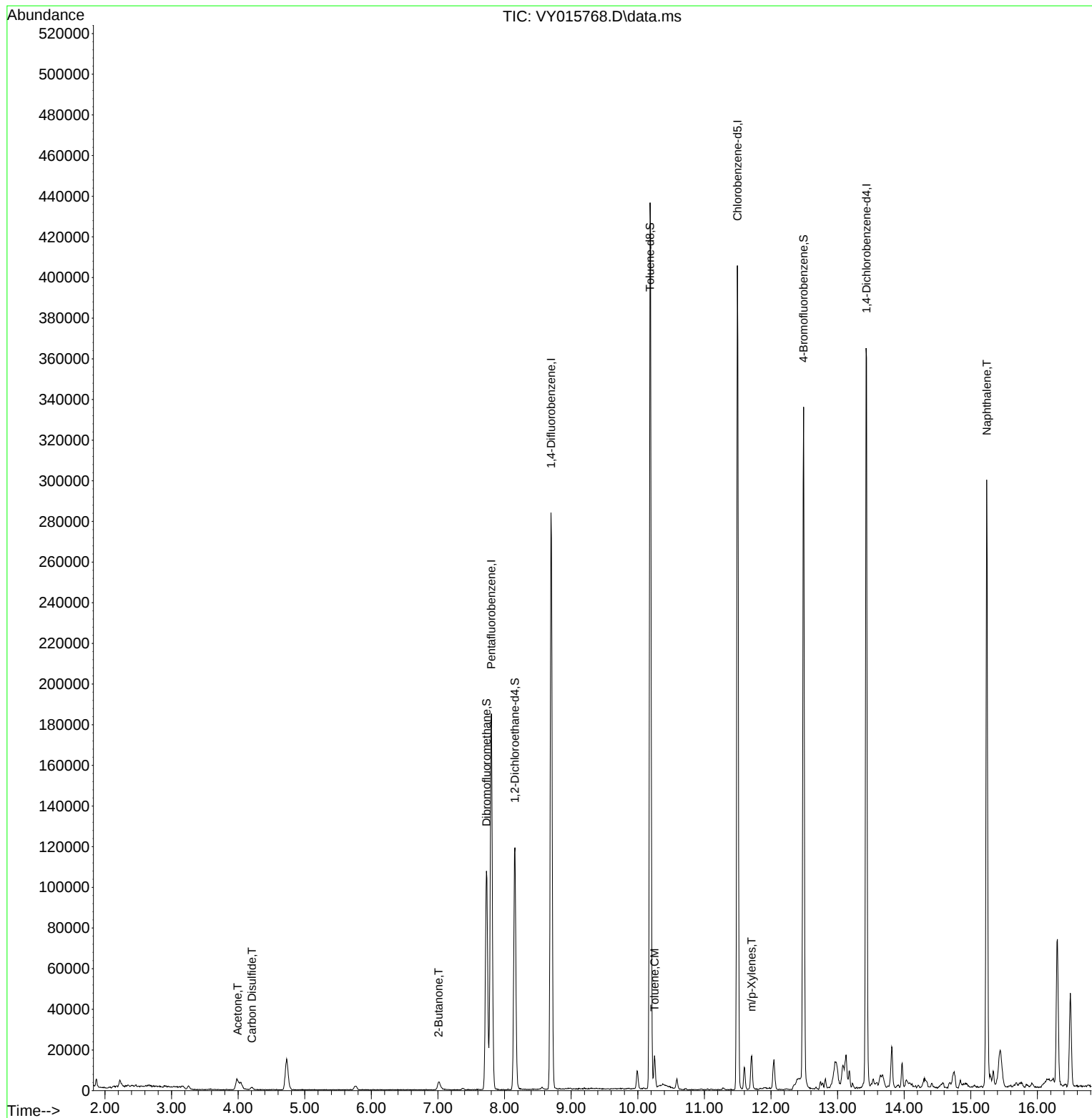
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 144627   | 50.000   | ug/l       | 0.02     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 245202   | 50.000   | ug/l       | 0.01     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 219697   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 96719    | 50.000   | ug/l       | 0.01     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 94028    | 59.089   | ug/l       | 0.02     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 118.180% |          |
| 35) Dibromofluoromethane    | 7.728  | 113   | 77606    | 52.879   | ug/l       | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.760% |          |
| 50) Toluene-d8              | 10.185 | 98    | 288437   | 57.964   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 115.920% |          |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 95468    | 48.887   | ug/l       | 0.01     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 97.780%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 3.991  | 43    | 12845    | 15.083   | ug/l       | 99       |
| 17) Carbon Disulfide        | 4.204  | 76    | 2647     | 1.071    | ug/l #     | 85       |
| 25) 2-Butanone              | 7.009  | 43    | 7486     | 6.219    | ug/l       | 92       |
| 52) Toluene                 | 10.252 | 92    | 6135     | 1.438    | ug/l       | 90       |
| 68) m/p-Xylenes             | 11.709 | 106   | 5084     | 1.596    | ug/l       | 98       |
| 95) Naphthalene             | 15.239 | 128   | 239255   | 44.686   | ug/l       | 99       |
| -----                       |        |       |          |          |            |          |

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

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ALS Vial : 15 Sample Multiplier: 1

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W-2(2-6IN)

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Quant Title : SW846 8260  
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Response via : Initial Calibration

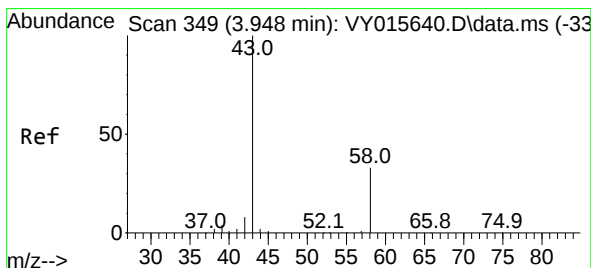
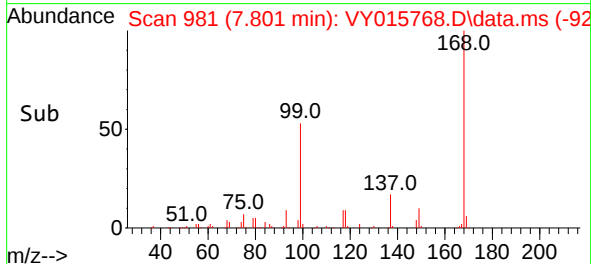
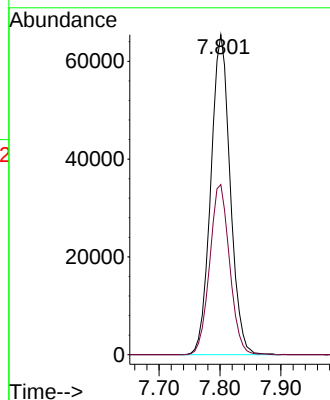
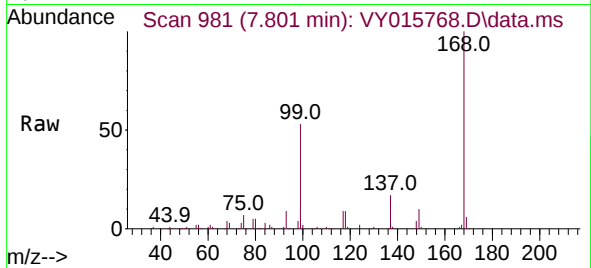




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

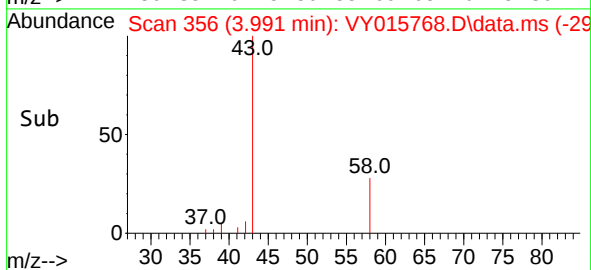
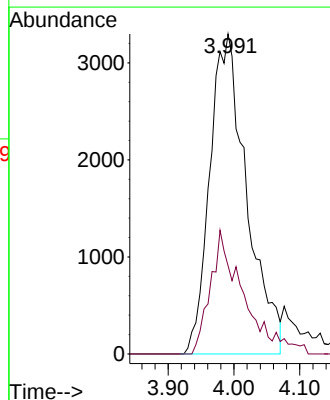
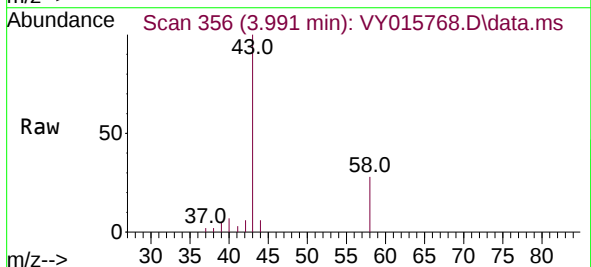
Instrument :  
MSVOA\_Y  
ClientSampleId :  
W-2(2-6IN)

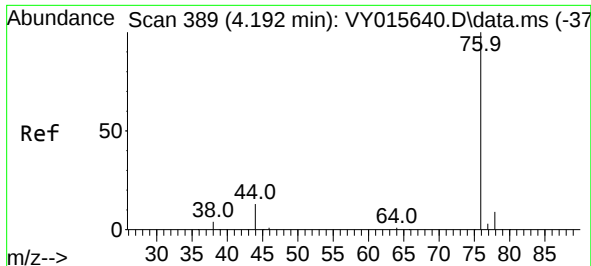
Tgt Ion:168 Resp: 144627  
Ion Ratio Lower Upper  
168 100  
99 53.1 43.4 65.0



#16  
Acetone  
Concen: 15.083 ug/l  
RT: 3.991 min Scan# 356  
Delta R.T. 0.049 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

Tgt Ion: 43 Resp: 12845  
Ion Ratio Lower Upper  
43 100  
58 27.6 22.7 34.1

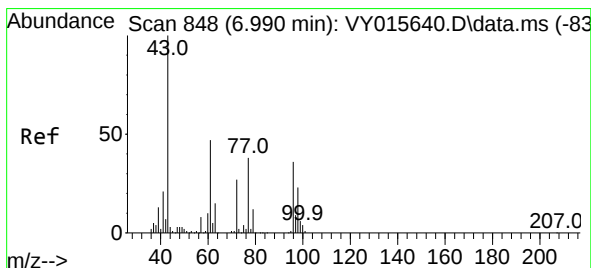
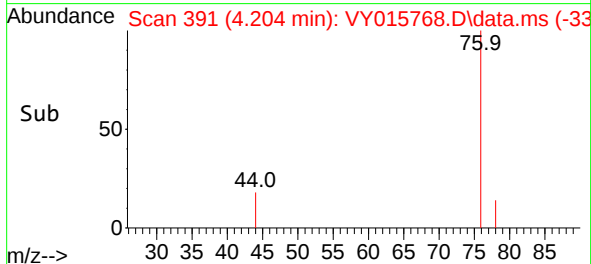
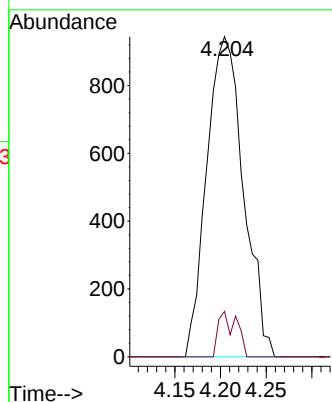
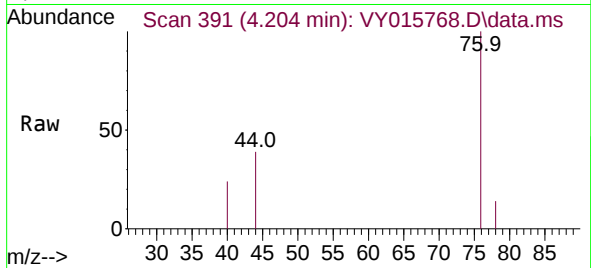




#17  
Carbon Disulfide  
Concen: 1.071 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.018 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

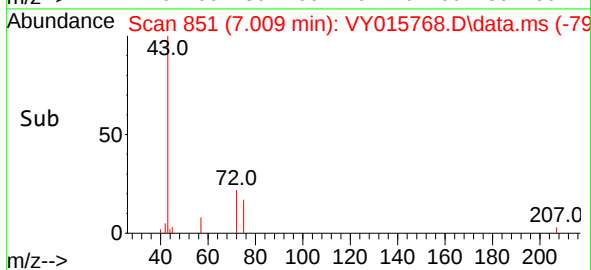
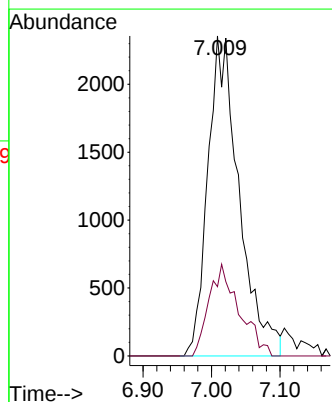
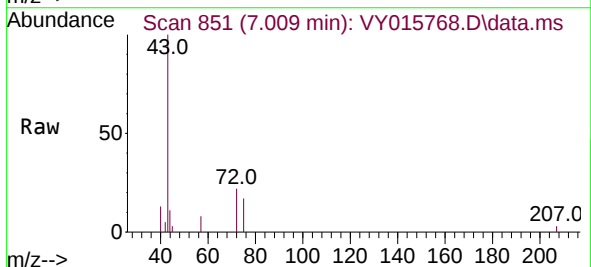
Instrument :  
MSVOA\_Y  
ClientSampleId :  
W-2(2-6IN)

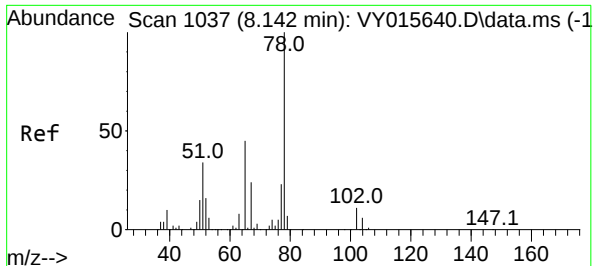
Tgt Ion: 76 Resp: 2647  
Ion Ratio Lower Upper  
76 100  
78 14.2 7.0 10.4#



#25  
2-Butanone  
Concen: 6.219 ug/l  
RT: 7.009 min Scan# 851  
Delta R.T. 0.031 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

Tgt Ion: 43 Resp: 7486  
Ion Ratio Lower Upper  
43 100  
72 21.6 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 59.089 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.019 min

Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

Instrument :

MSVOA\_Y

ClientSampleId :

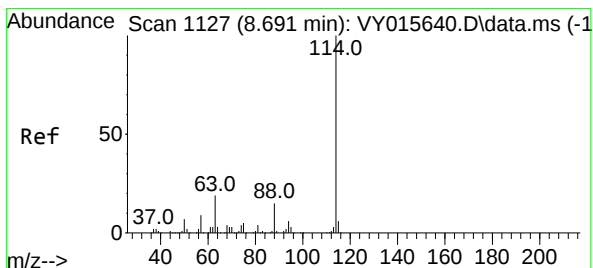
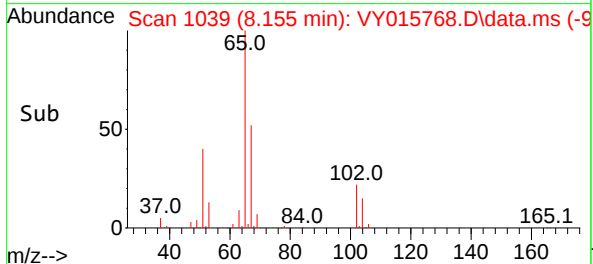
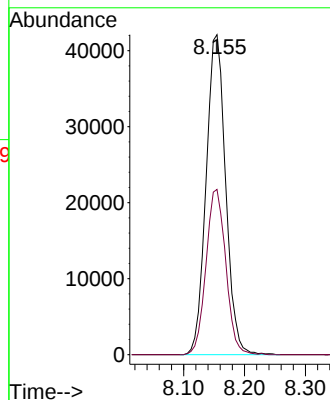
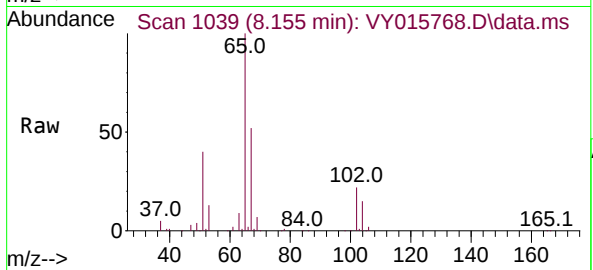
W-2(2-6IN)

Tgt Ion: 65 Resp: 94028

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

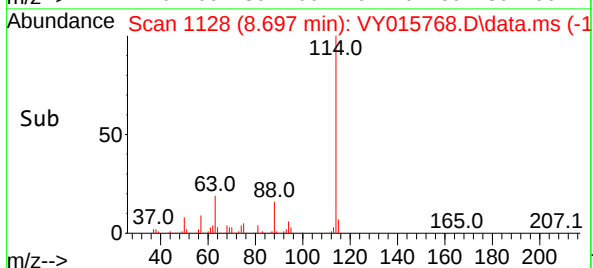
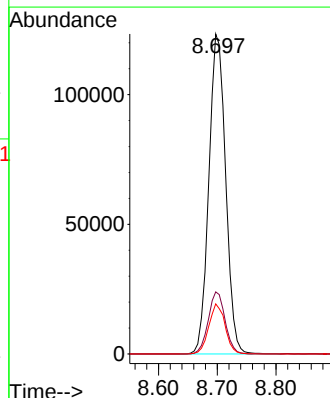
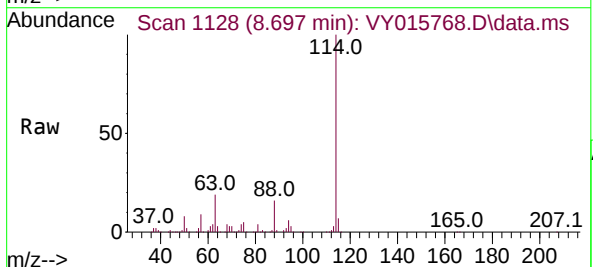
Tgt Ion:114 Resp: 245202

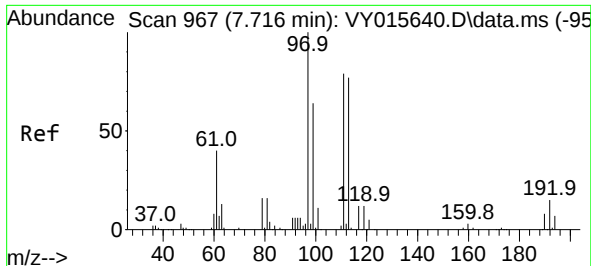
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.879 ug/l

RT: 7.728 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

Instrument :

MSVOA\_Y

ClientSampleId :

W-2(2-6IN)

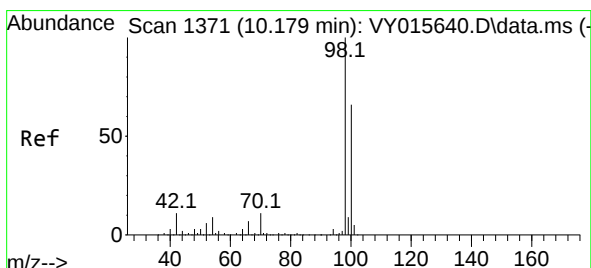
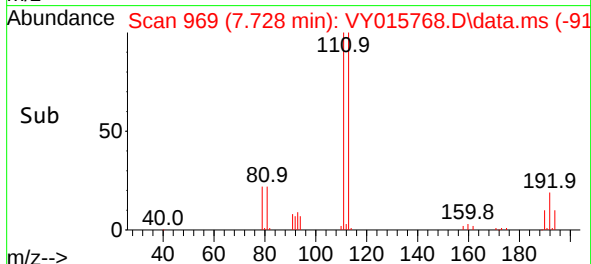
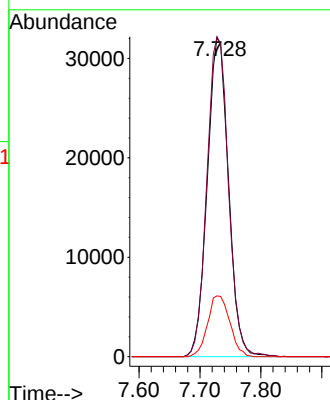
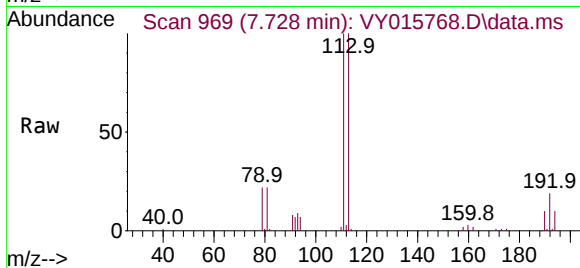
Tgt Ion:113 Resp: 77606

Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 20.0 16.9 25.3



#50

Toluene-d8

Concen: 57.964 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY015768.D

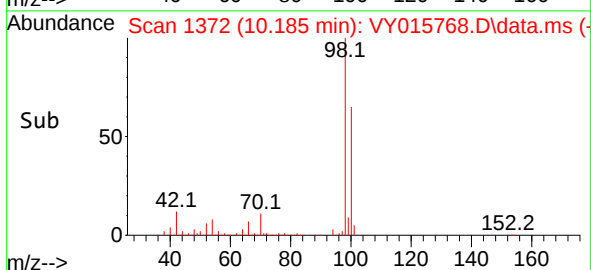
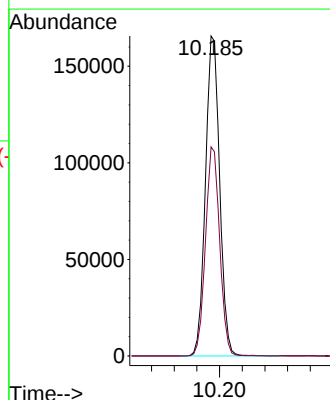
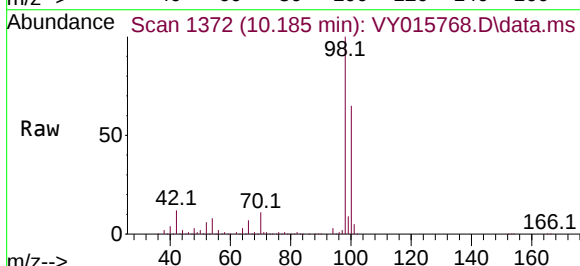
Acq: 29 Sep 2023 20:59

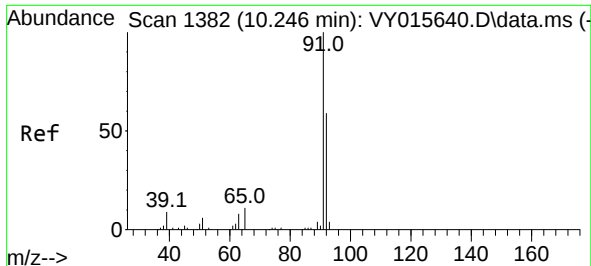
Tgt Ion: 98 Resp: 288437

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1

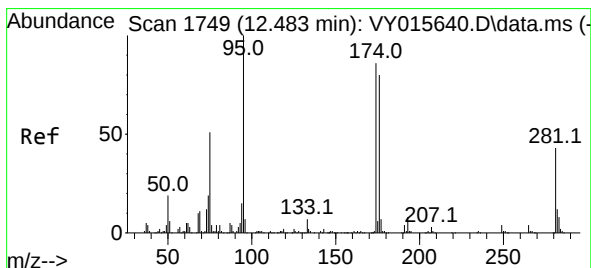
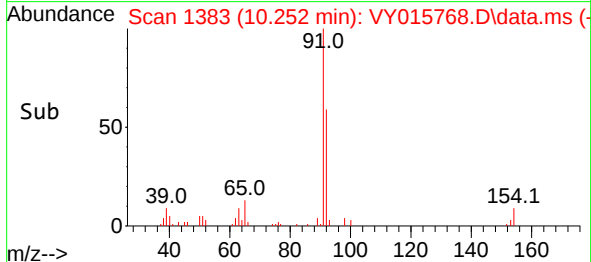
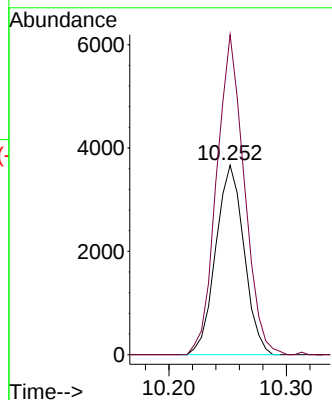
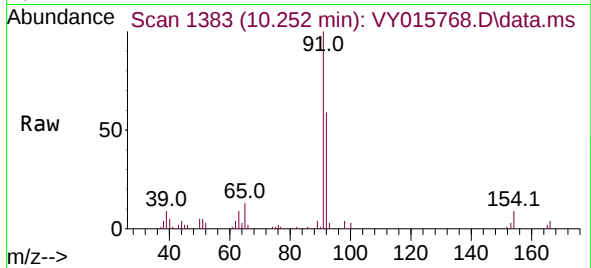




#52  
Toluene  
Concen: 1.438 ug/l  
RT: 10.252 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

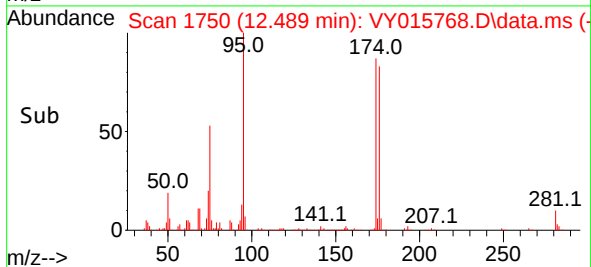
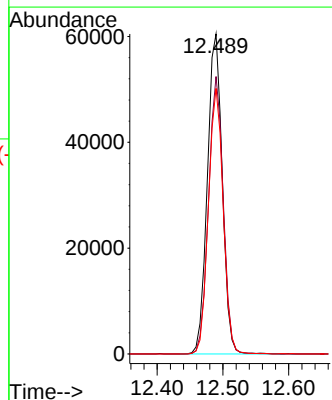
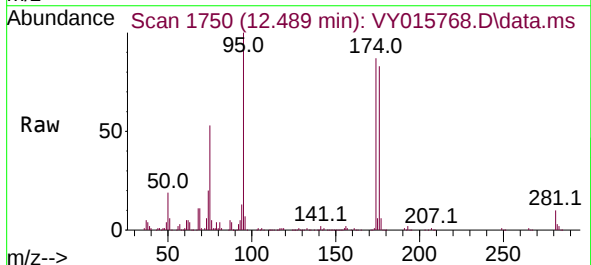
Instrument :  
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W-2(2-6IN)

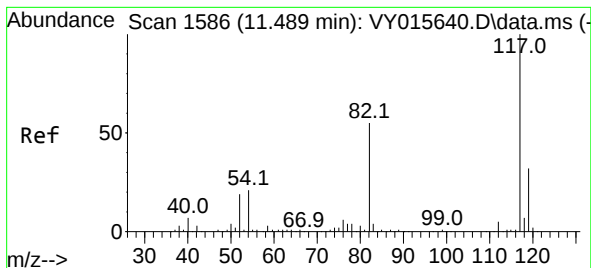
Tgt Ion: 92 Resp: 6135  
Ion Ratio Lower Upper  
92 100  
91 165.3 143.8 215.6



#62  
4-Bromofluorobenzene  
Concen: 48.887 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.012 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

Tgt Ion: 95 Resp: 95468  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 178.2  
176 82.1 0.0 173.8

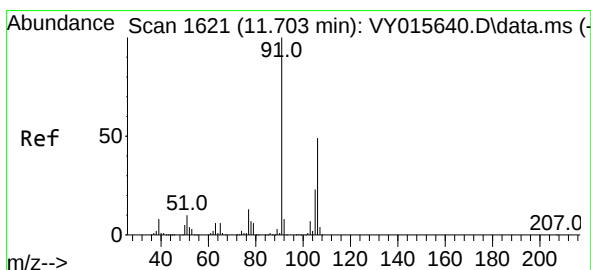
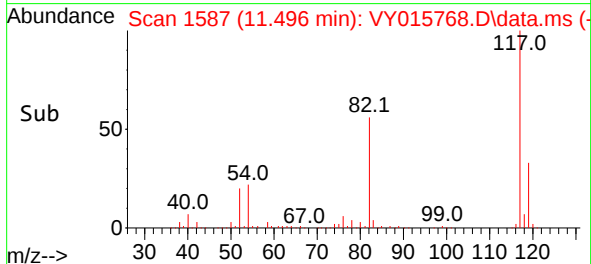
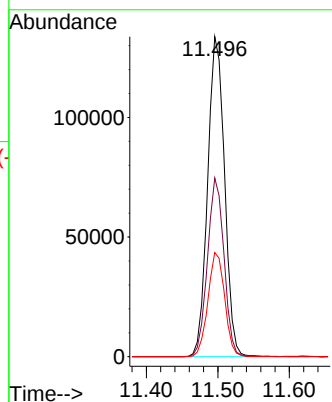
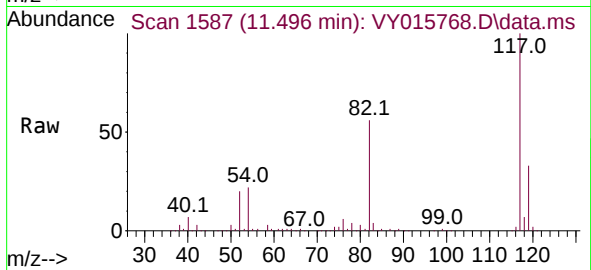




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 117  
Delta R.T. 0.007 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

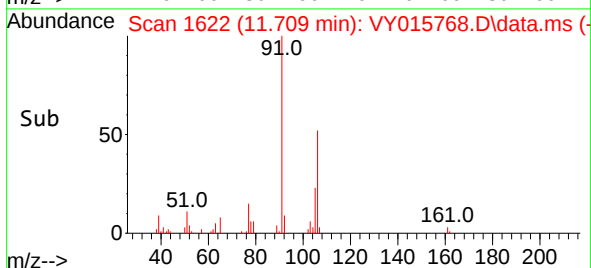
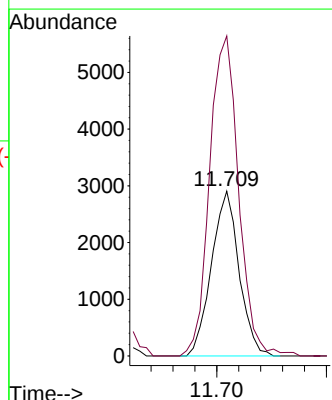
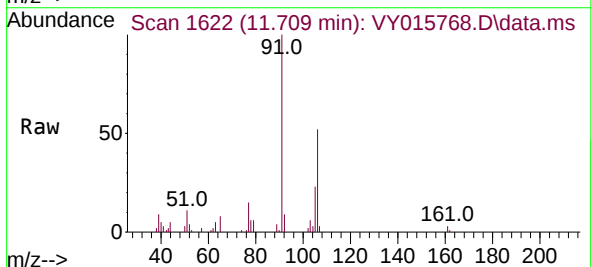
Instrument :  
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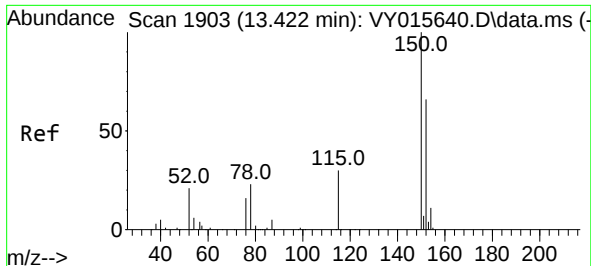
Tgt Ion:117 Resp: 219697  
Ion Ratio Lower Upper  
117 100  
82 55.9 43.4 65.0  
119 32.6 26.3 39.5



#68  
m/p-Xylenes  
Concen: 1.596 ug/l  
RT: 11.709 min Scan# 1622  
Delta R.T. 0.006 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

Tgt Ion:106 Resp: 5084  
Ion Ratio Lower Upper  
106 100  
91 204.0 166.1 249.1

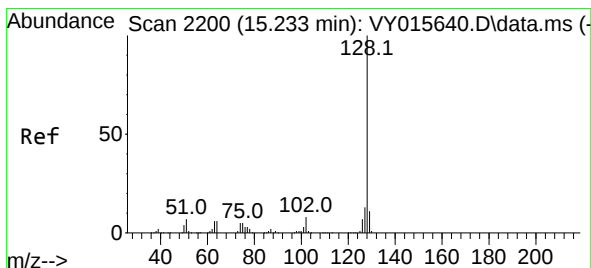
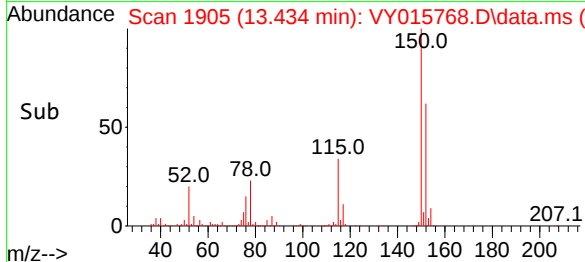
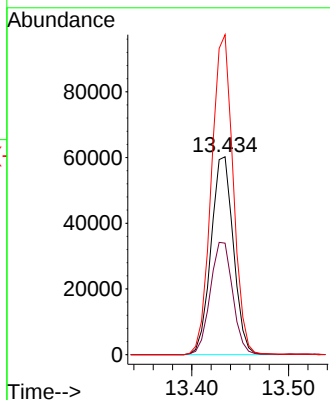
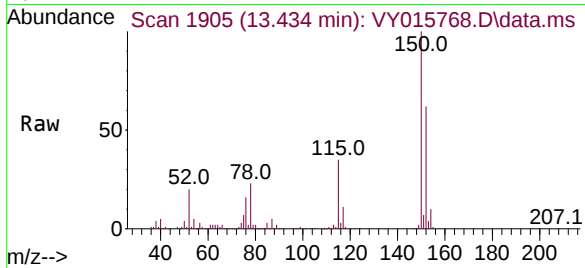




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.012 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
W-2(2-6IN)

Tgt Ion:152 Resp: 96719  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.8 86.5  
150 157.1 0.0 348.8



#95  
Naphthalene  
Concen: 44.686 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.006 min  
Lab File: VY015768.D  
Acq: 29 Sep 2023 20:59

Tgt Ion:128 Resp: 239255  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.8 16.2  
129 10.8 8.6 13.0

