

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071024\  
 Data File : VY018768.D  
 Acq On : 10 Jul 2024 15:46  
 Operator : SY/MD  
 Sample : P3187-03  
 Misc : 4.76g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-1-VOC

Quant Time: Jul 11 02:25:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 Response via : Initial Calibration

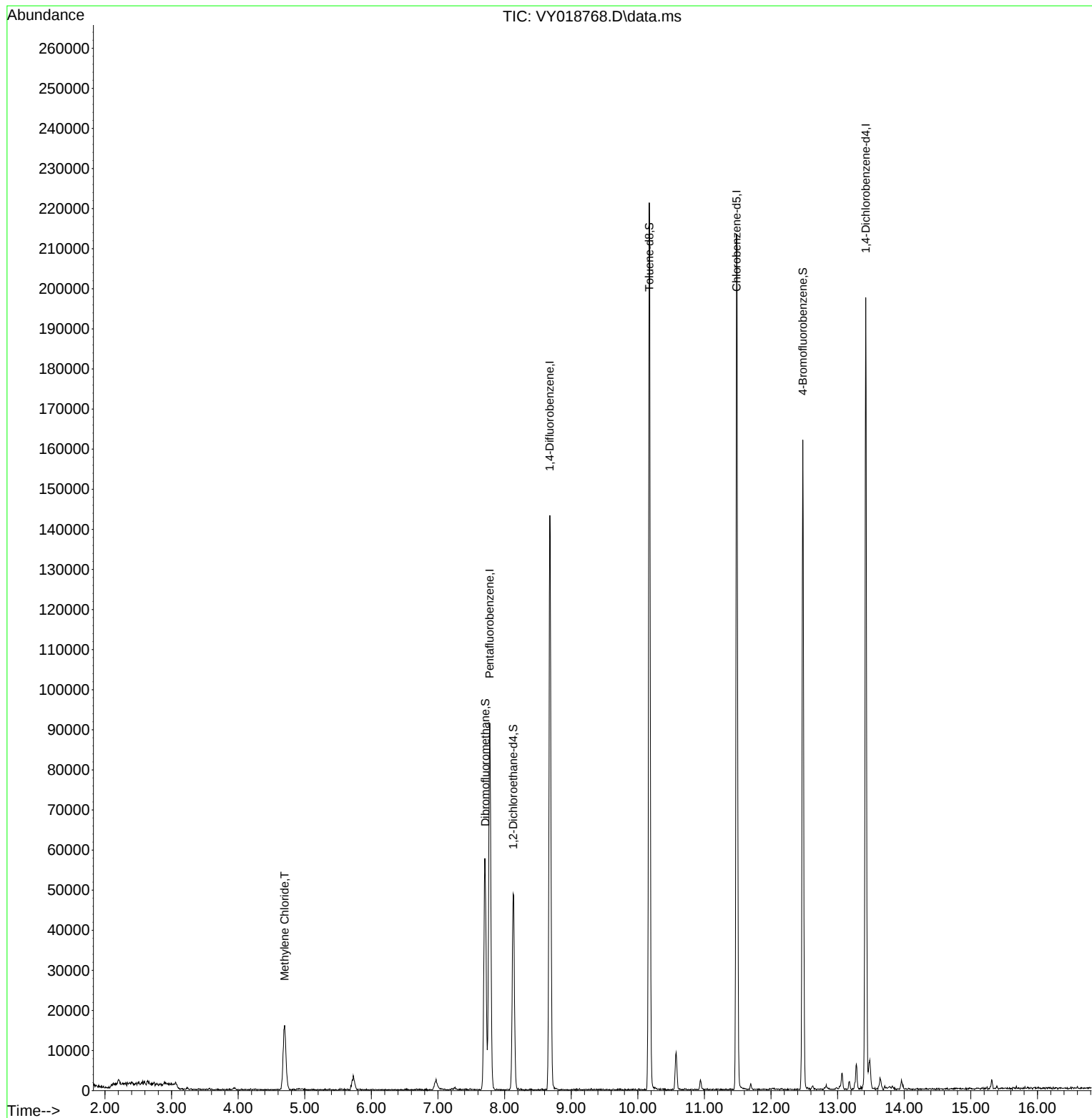
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.777  | 168   | 72040    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.679  | 114   | 125371   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.483 | 117   | 116531   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 48737    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 39115    | 55.178   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 110.360% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 40276    | 51.292   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 102.580% |
| 50) Toluene-d8              | 10.173 | 98    | 141452   | 47.549   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 95.100%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 46938    | 46.202   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 92.400%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 4.698  | 84    | 11877    | 12.304   | ug/l # | 88       |
| -----                       |        |       |          |          |        |          |

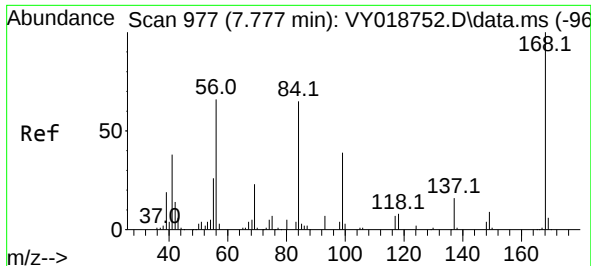
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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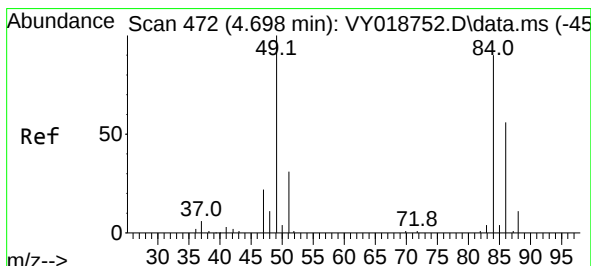
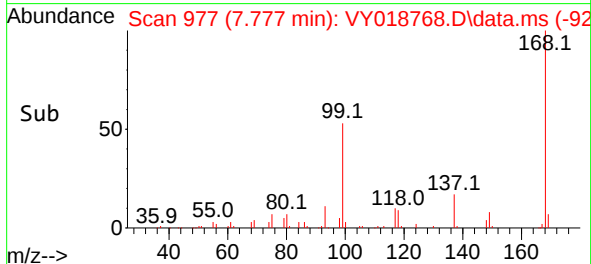
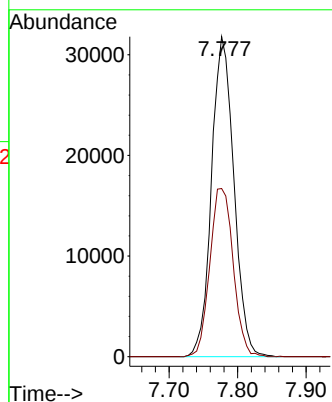
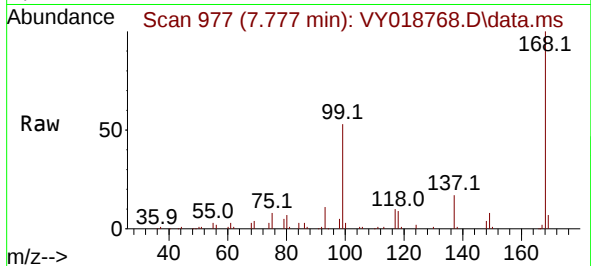




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018768.D  
Acq: 10 Jul 2024 15:46

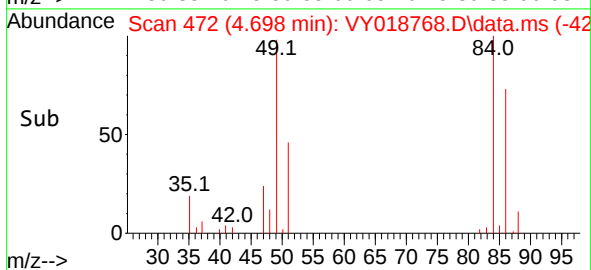
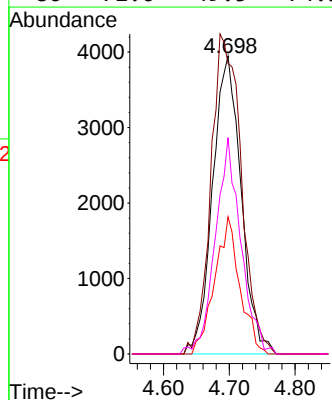
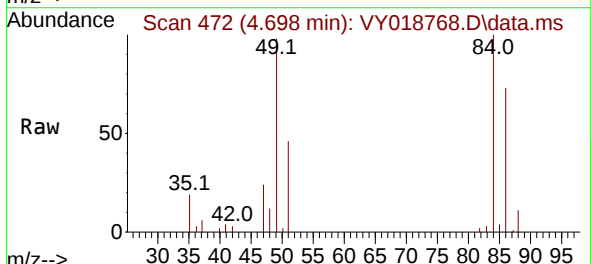
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1-VOC

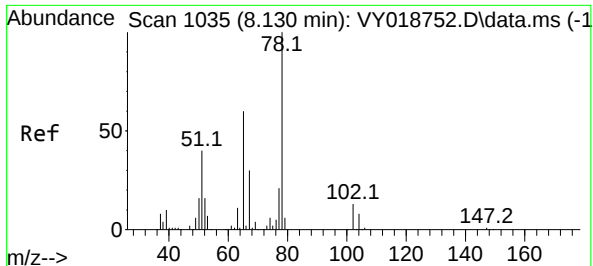
Tgt Ion:168 Resp: 72040  
Ion Ratio Lower Upper  
168 100  
99 52.5 39.1 58.7



#20  
Methylene Chloride  
Concen: 12.304 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.000 min  
Lab File: VY018768.D  
Acq: 10 Jul 2024 15:46

Tgt Ion: 84 Resp: 11877  
Ion Ratio Lower Upper  
84 100  
49 97.6 84.4 126.6  
51 46.0 26.0 39.0#  
86 72.6 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 55.178 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VY018768.D

Acq: 10 Jul 2024 15:46

Instrument :

MSVOA\_Y

ClientSampleId :

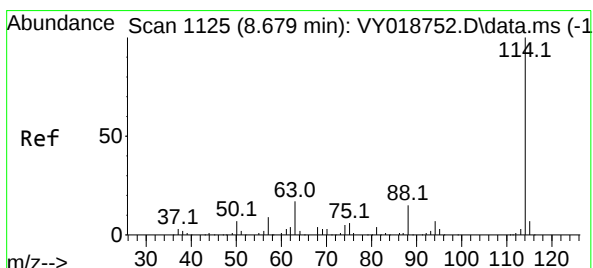
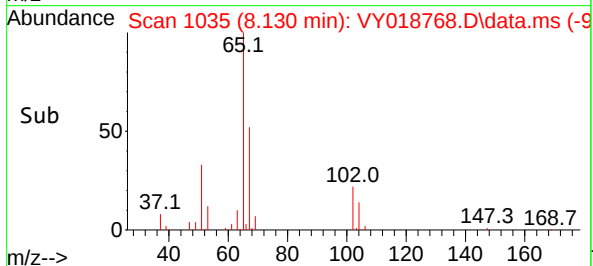
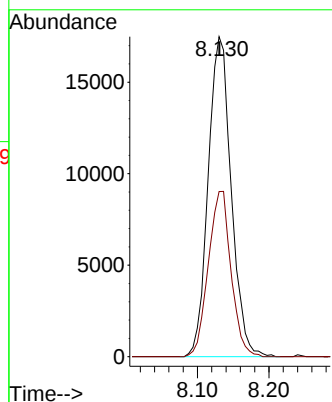
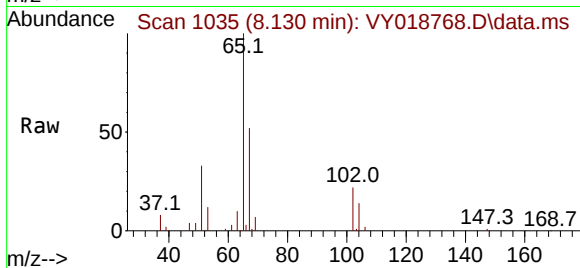
WC-1-VOC

Tgt Ion: 65 Resp: 39115

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VY018768.D

Acq: 10 Jul 2024 15:46

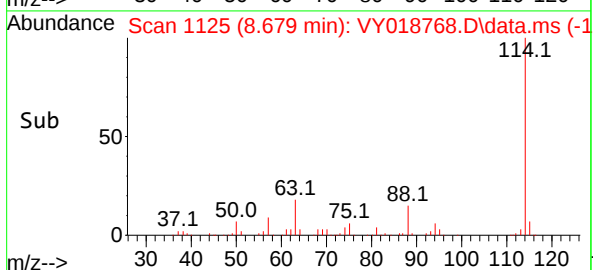
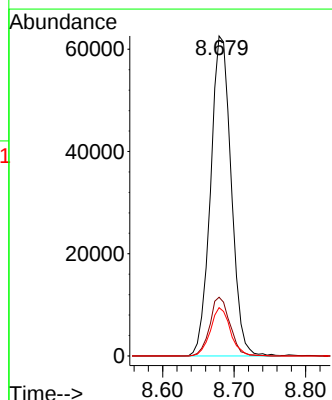
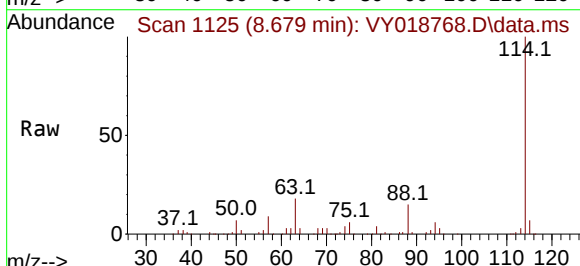
Tgt Ion: 114 Resp: 125371

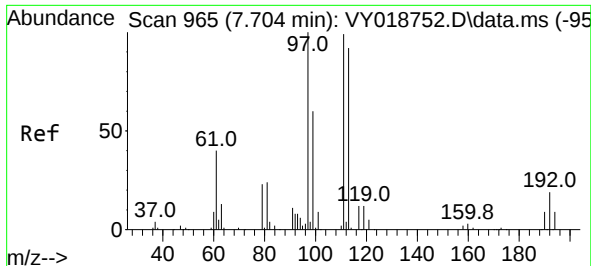
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 15.1 0.0 27.2

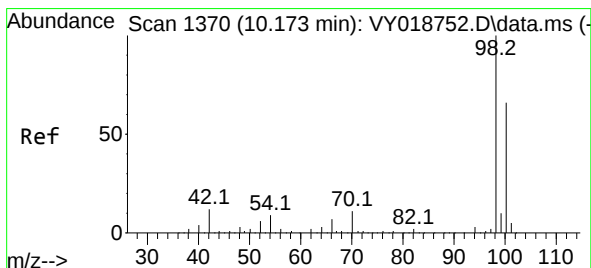
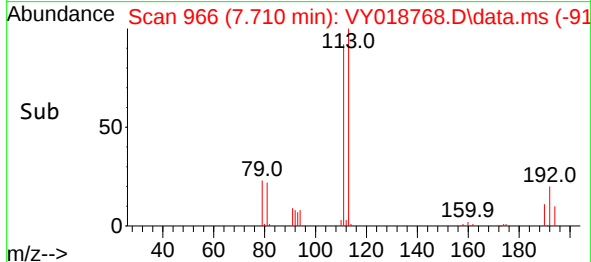
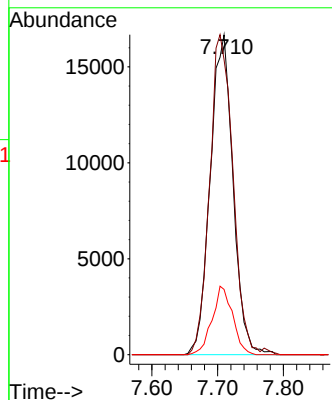
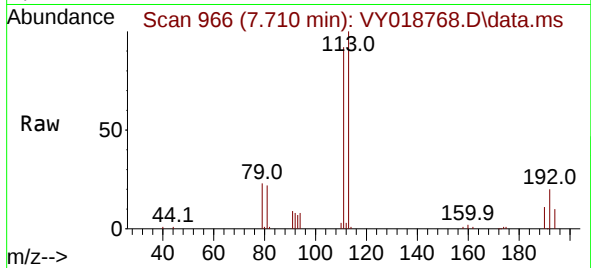




#35  
Dibromofluoromethane  
Concen: 51.292 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018768.D  
Acq: 10 Jul 2024 15:46

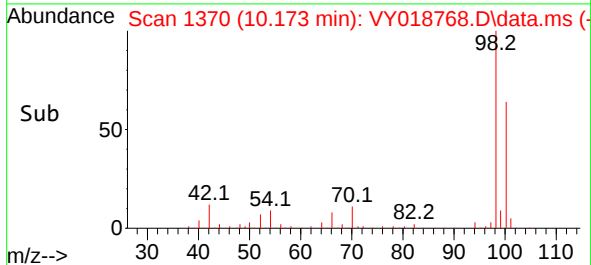
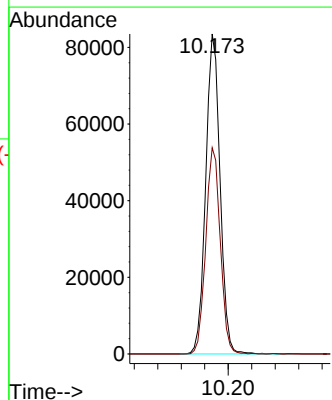
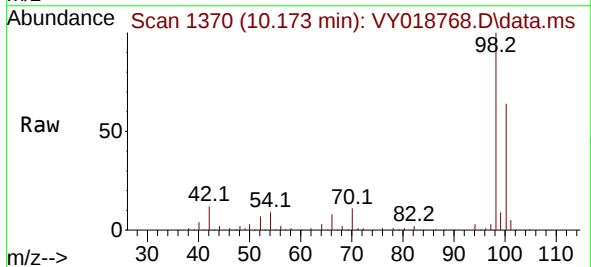
Instrument :  
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WC-1-VOC

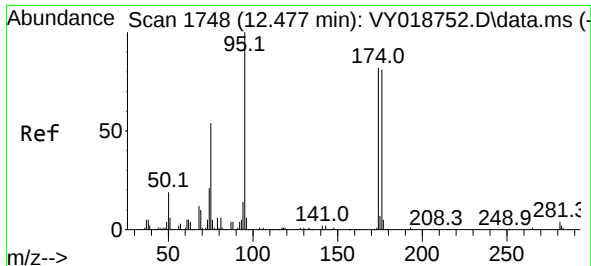
Tgt Ion:113 Resp: 40276  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.2 123.4  
192 19.2 15.9 23.9



#50  
Toluene-d8  
Concen: 47.549 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.000 min  
Lab File: VY018768.D  
Acq: 10 Jul 2024 15:46

Tgt Ion: 98 Resp: 141452  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.0 78.0

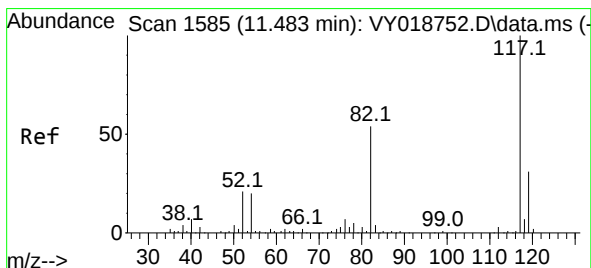
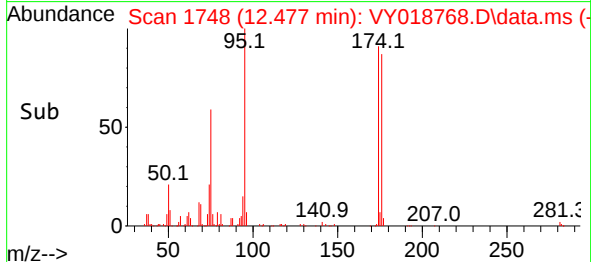
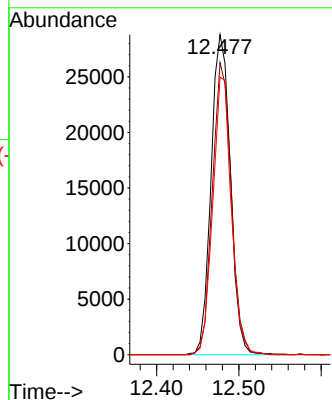
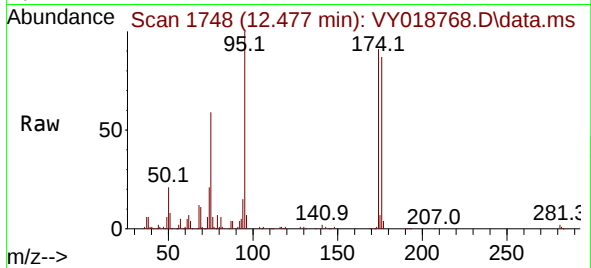




#62  
4-Bromofluorobenzene  
Concen: 46.202 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY018768.D  
Acq: 10 Jul 2024 15:46

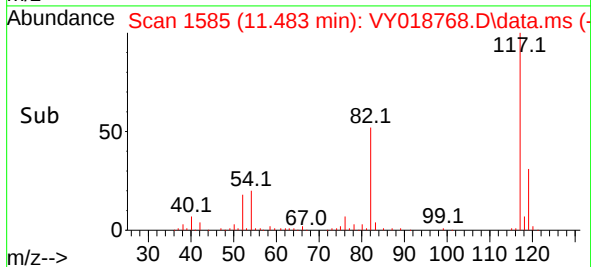
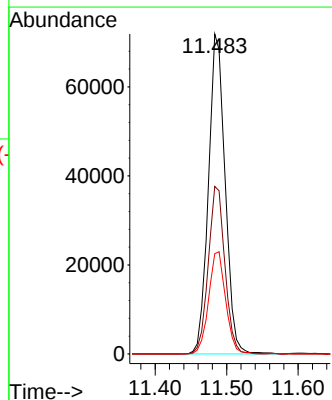
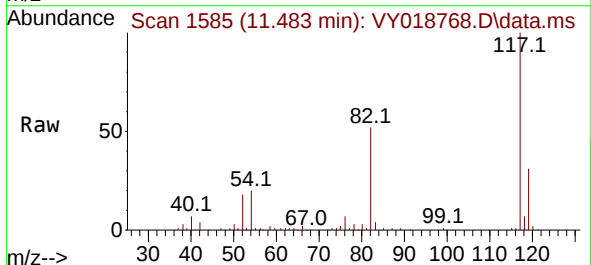
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1-VOC

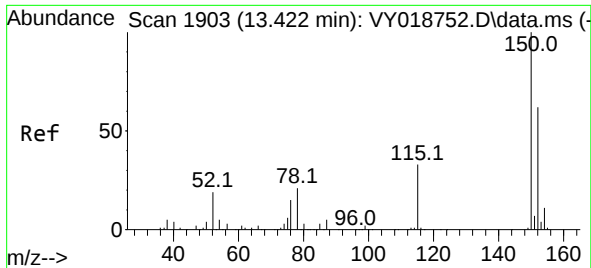
Tgt Ion: 95 Resp: 46938  
Ion Ratio Lower Upper  
95 100  
174 89.4 0.0 175.6  
176 83.8 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 1585  
Delta R.T. -0.000 min  
Lab File: VY018768.D  
Acq: 10 Jul 2024 15:46

Tgt Ion: 117 Resp: 116531  
Ion Ratio Lower Upper  
117 100  
82 52.4 42.4 63.6  
119 31.3 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY018768.D  
 Acq: 10 Jul 2024 15:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-1-VOC

Tgt Ion:152 Resp: 48737  
 Ion Ratio Lower Upper  
 152 100  
 115 59.6 28.2 84.7  
 150 163.0 0.0 345.6

