

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092923\  
 Data File : VY015769.D  
 Acq On : 29 Sep 2023 21:23  
 Operator : SY/MD  
 Sample : 04657-06  
 Misc : 5.32g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Sep 30 01:19:47 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

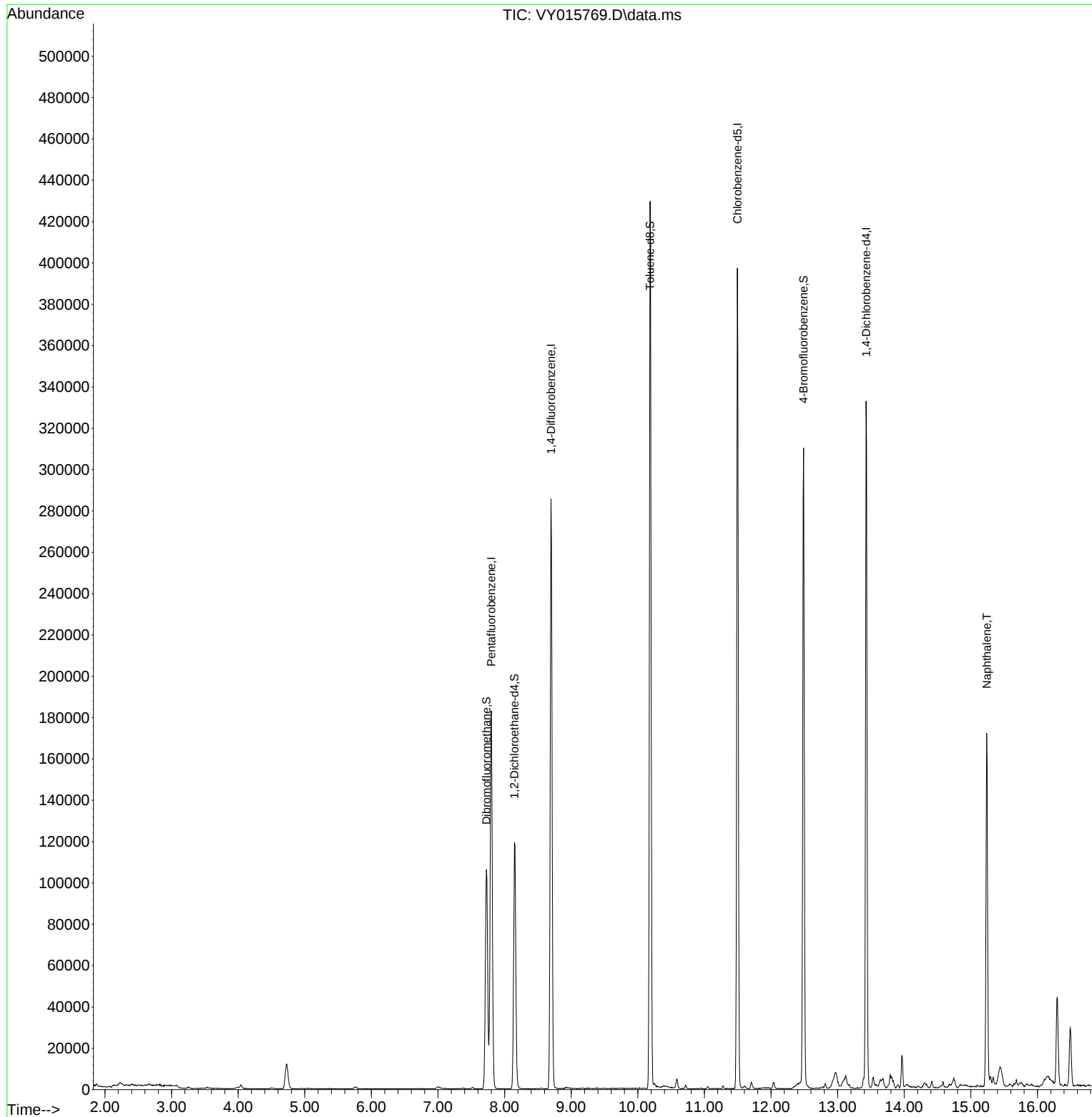
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|------------|-----------|
| -----                       |        |       |          |          |            |           |
| Internal Standards          |        |       |          |          |            |           |
| 1) Pentafluorobenzene       | 7.801  | 168   | 143332   | 50.000   | ug/l       | 0.02      |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 241409   | 50.000   | ug/l       | 0.01      |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 213375   | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 85463    | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |        |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 94758    | 60.086   | ug/l       | 0.01      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 120.180% |           |
| 35) Dibromofluoromethane    | 7.728  | 113   | 77493    | 53.631   | ug/l       | 0.01      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 107.260% |           |
| 50) Toluene-d8              | 10.185 | 98    | 282616   | 57.686   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 115.380% |           |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 88691    | 46.131   | ug/l       | 0.01      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 92.260%  |           |
| Target Compounds            |        |       |          |          |            |           |
| 95) Naphthalene             | 15.239 | 128   | 142263   | 30.070   | ug/l       | Qvalue 99 |
| -----                       |        |       |          |          |            |           |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092923\  
Data File : VY015769.D  
Acq On : 29 Sep 2023 21:23  
Operator : SY/MD  
Sample : 04657-06  
Misc : 5.32g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Sep 30 01:19:47 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

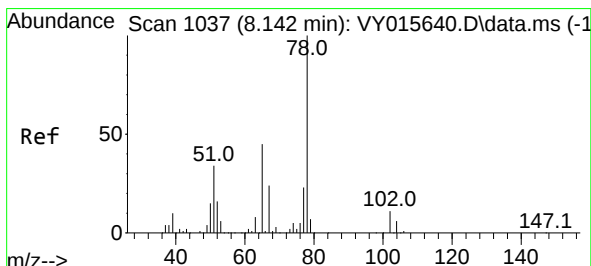
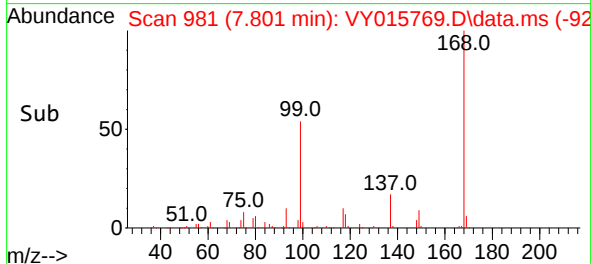
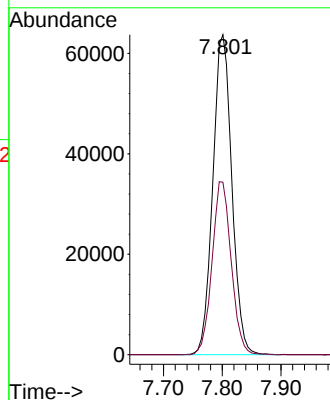
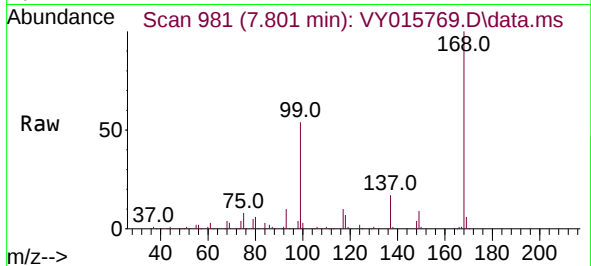




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY015769.D  
Acq: 29 Sep 2023 21:23

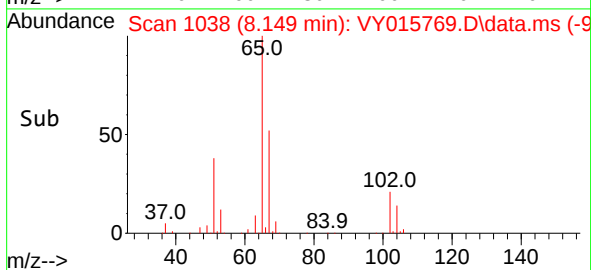
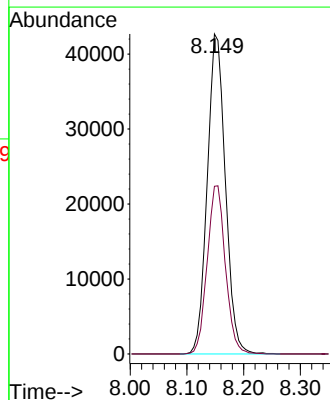
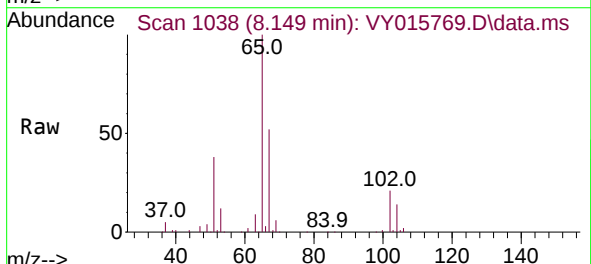
Instrument :  
MSVOA\_Y  
ClientSampleId :  
V-2(2-6IN)

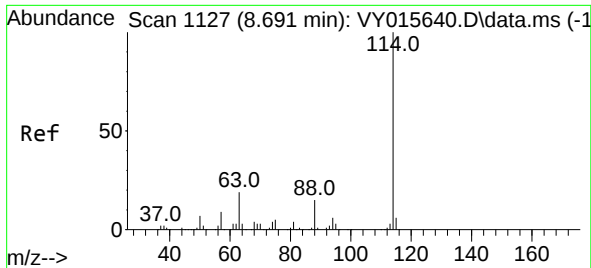
Tgt Ion:168 Resp: 143332  
Ion Ratio Lower Upper  
168 100  
99 53.9 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 60.086 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.013 min  
Lab File: VY015769.D  
Acq: 29 Sep 2023 21:23

Tgt Ion: 65 Resp: 94758  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 101.8

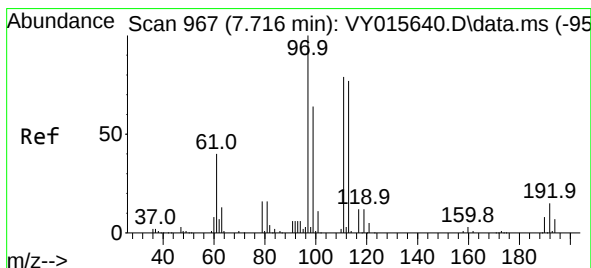
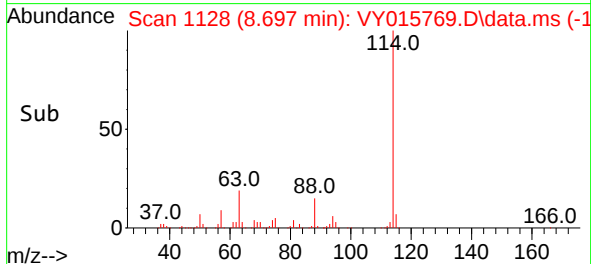
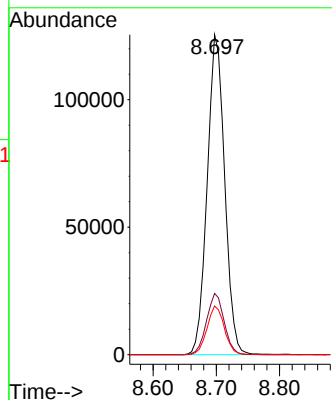
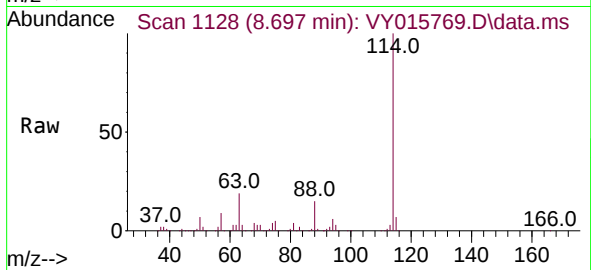




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1127  
Delta R.T. 0.012 min  
Lab File: VY015769.D  
Acq: 29 Sep 2023 21:23

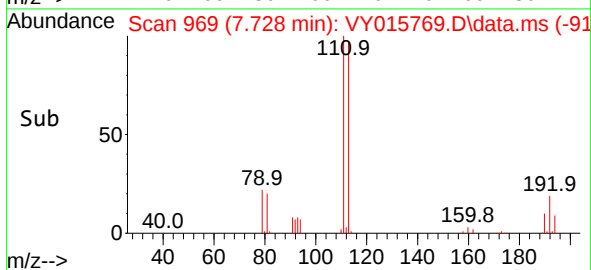
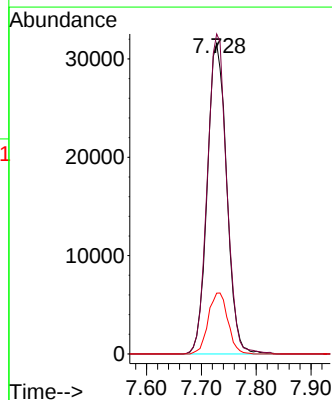
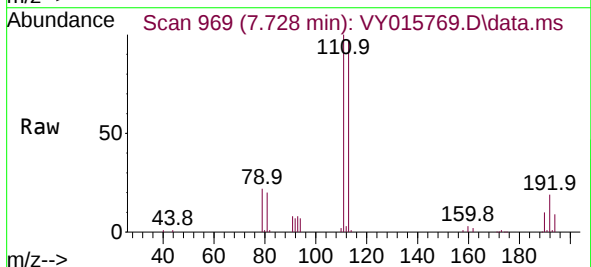
Instrument :  
MSVOA\_Y  
ClientSampleId :  
V-2(2-6IN)

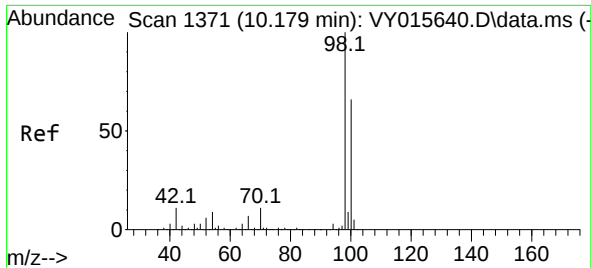
Tgt Ion:114 Resp: 241409  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 42.4  
88 15.2 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 53.631 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.012 min  
Lab File: VY015769.D  
Acq: 29 Sep 2023 21:23

Tgt Ion:113 Resp: 77493  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.3 121.9  
192 19.8 16.9 25.3

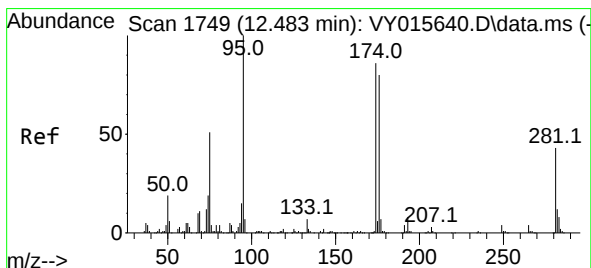
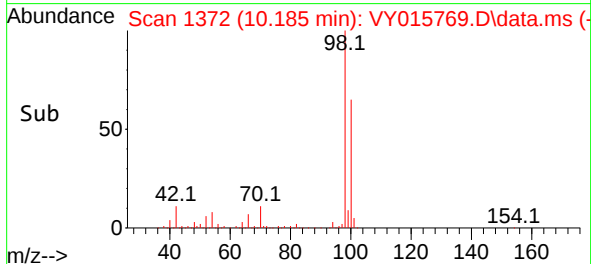
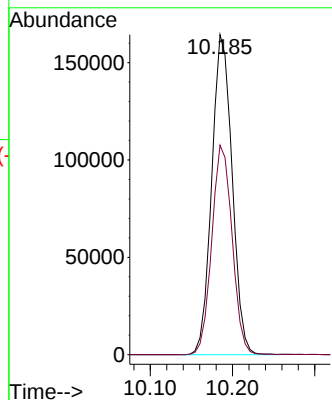
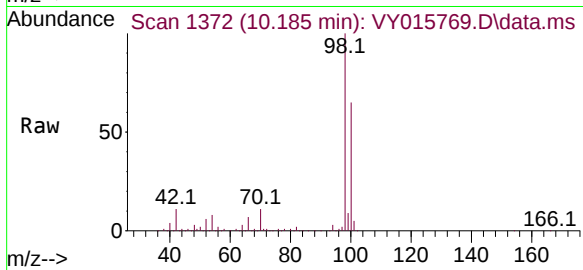




#50  
Toluene-d8  
Concen: 57.686 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY015769.D  
Acq: 29 Sep 2023 21:23

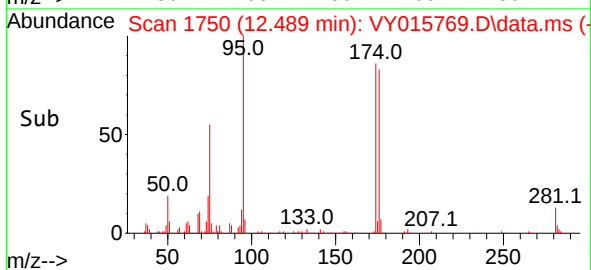
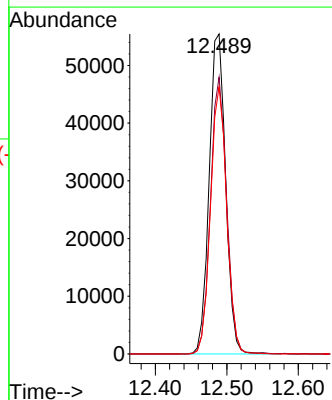
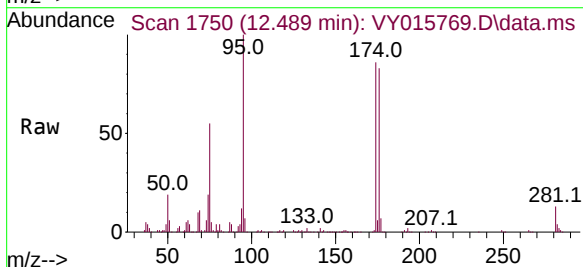
Instrument :  
MSVOA\_Y  
ClientSampleId :  
V-2(2-6IN)

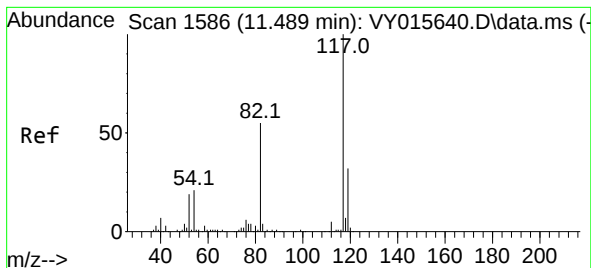
Tgt Ion: 98 Resp: 282616  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 46.131 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.012 min  
Lab File: VY015769.D  
Acq: 29 Sep 2023 21:23

Tgt Ion: 95 Resp: 88691  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 178.2  
176 82.2 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: VY015769.D

Acq: 29 Sep 2023 21:23

Instrument :

MSVOA\_Y

ClientSampleId :

V-2(2-6IN)

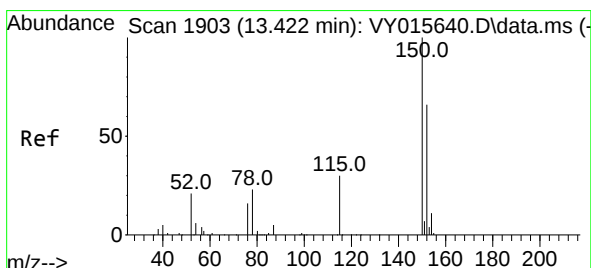
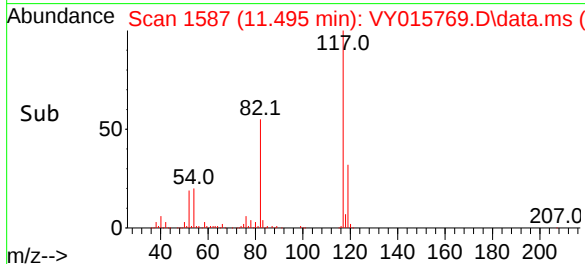
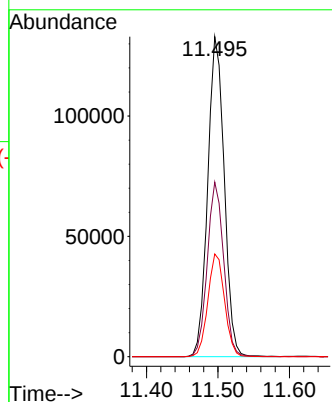
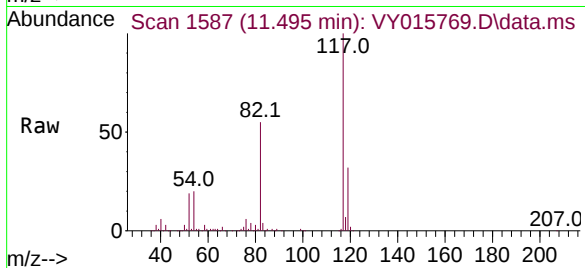
Tgt Ion:117 Resp: 213375

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.1 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: VY015769.D

Acq: 29 Sep 2023 21:23

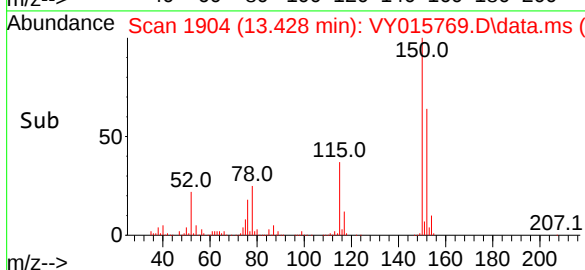
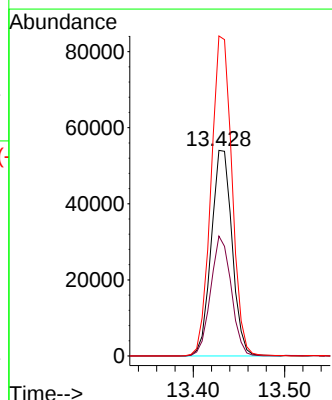
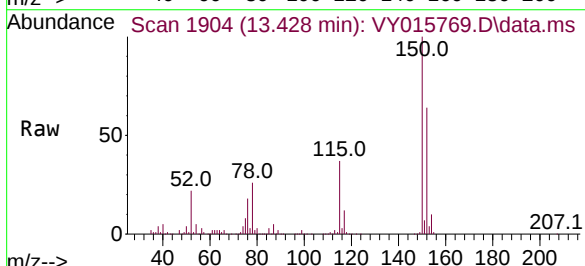
Tgt Ion:152 Resp: 85463

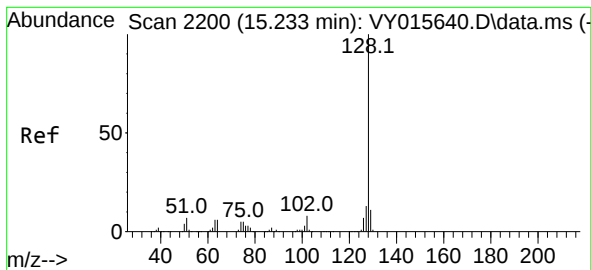
Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

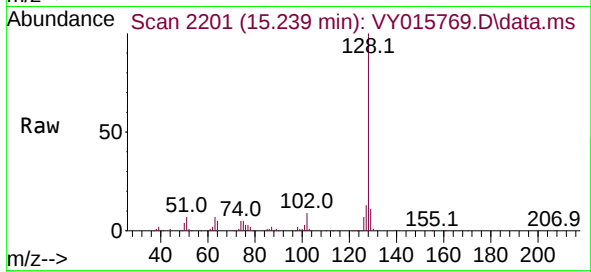
150 156.3 0.0 348.8





#95  
Naphthalene  
Concen: 30.070 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VY015769.D  
Acq: 29 Sep 2023 21:23

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



Tgt Ion:128 Resp: 142263  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.8 16.2  
129 11.0 8.6 13.0

