

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072823\  
 Data File : VY014903.D  
 Acq On : 28 Jul 2023 12:56  
 Operator : SY/MD  
 Sample : 03756-22  
 Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 415/417-TP-2-(7-8)

Quant Time: Jul 29 03:03:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

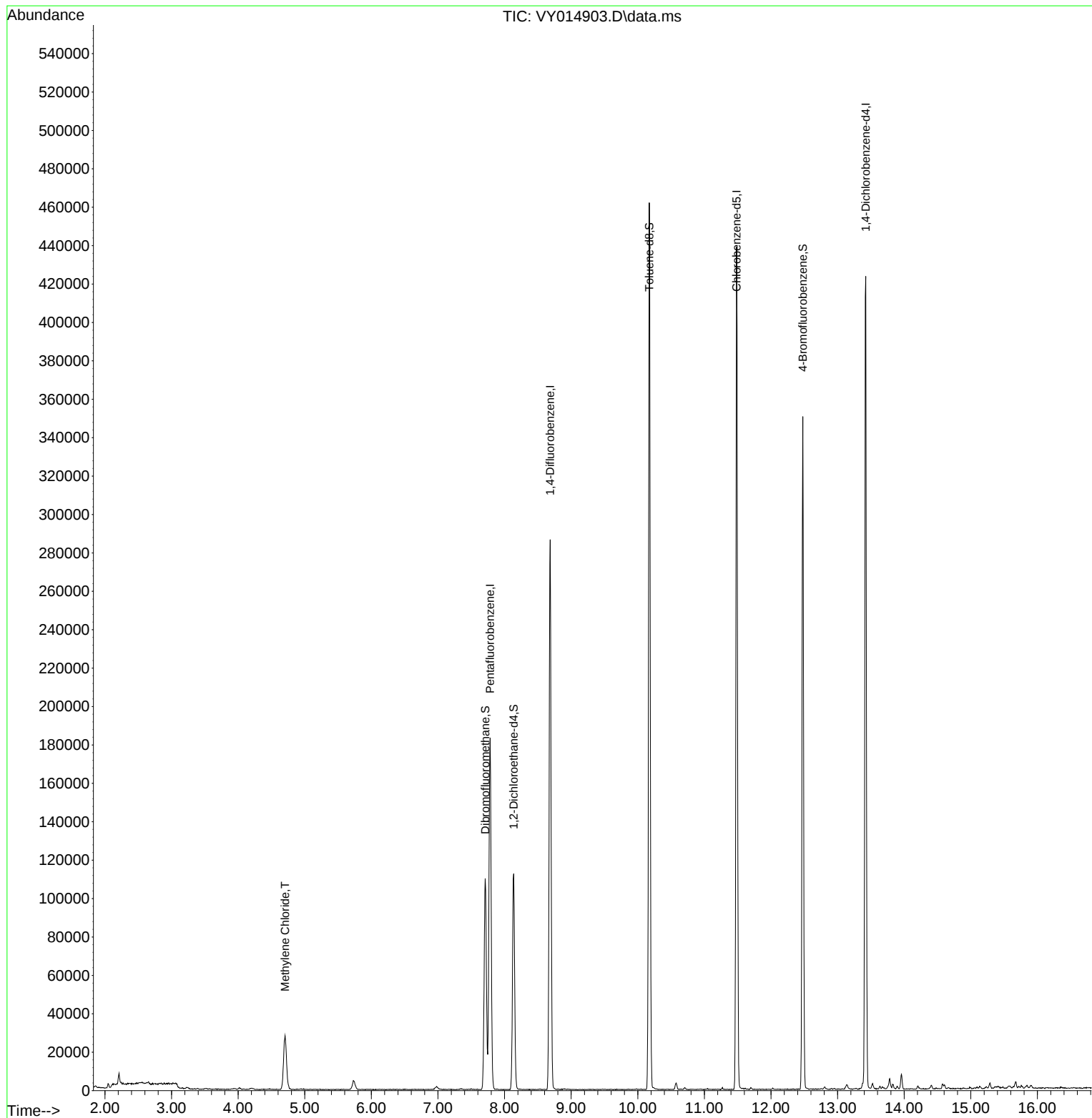
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 142981   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 249591   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.484 | 117   | 235629   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 110362   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 88747    | 54.469   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 108.940% |          |
| 35) Dibromofluoromethane    | 7.710  | 113   | 79029    | 49.740   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 99.480%  |          |
| 50) Toluene-d8              | 10.173 | 98    | 297346   | 50.762   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 101.520% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 105939   | 47.166   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 94.340%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.704  | 84    | 21506    | 9.392    | ug/l       | 87       |
| -----                       |        |       |          |          |            |          |

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

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415/417-TP-2-(7-8)

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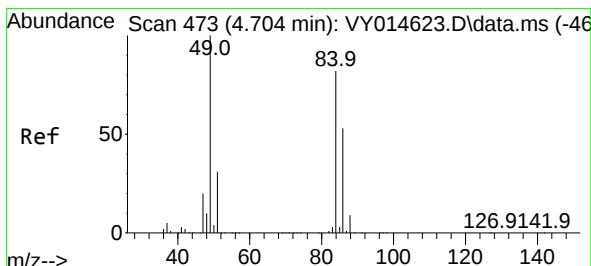
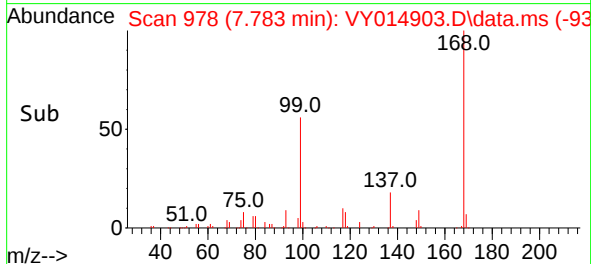
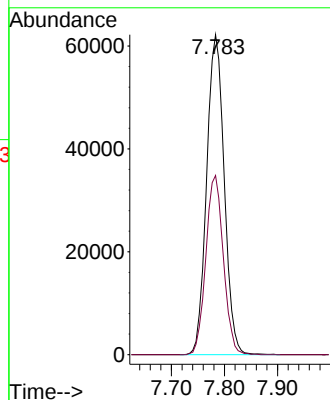
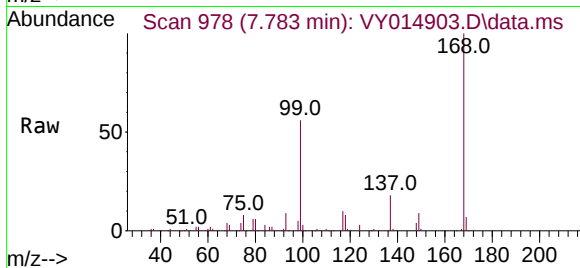




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014903.D  
Acq: 28 Jul 2023 12:56

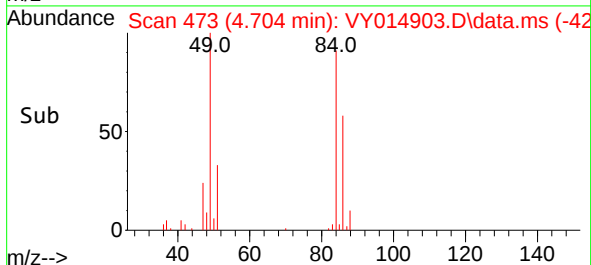
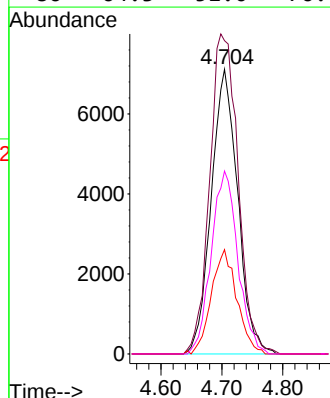
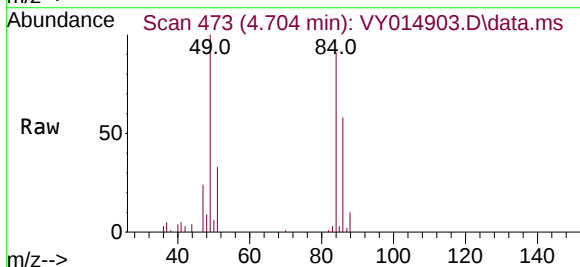
Instrument :  
MSVOA\_Y  
ClientSampleId :  
415/417-TP-2-(7-8)

Tgt Ion:168 Resp: 142981  
Ion Ratio Lower Upper  
168 100  
99 56.0 43.4 65.0



#20  
Methylene Chloride  
Concen: 9.392 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY014903.D  
Acq: 28 Jul 2023 12:56

Tgt Ion: 84 Resp: 21506  
Ion Ratio Lower Upper  
84 100  
49 110.1 106.9 160.3  
51 36.7 33.2 49.8  
86 64.3 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 54.469 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014903.D

Acq: 28 Jul 2023 12:56

Instrument :

MSVOA\_Y

ClientSampleId :

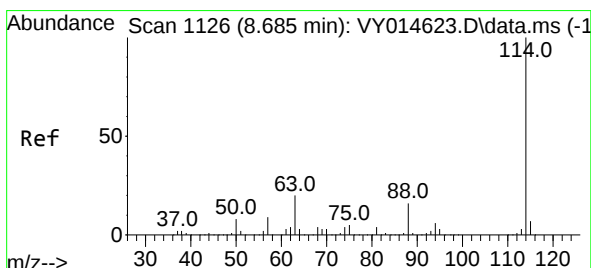
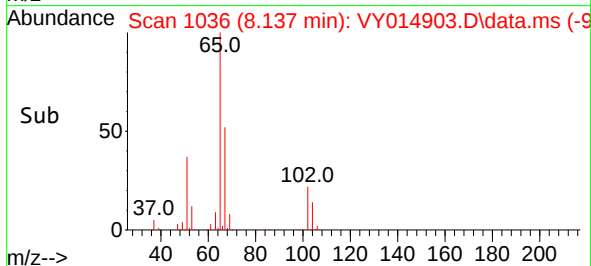
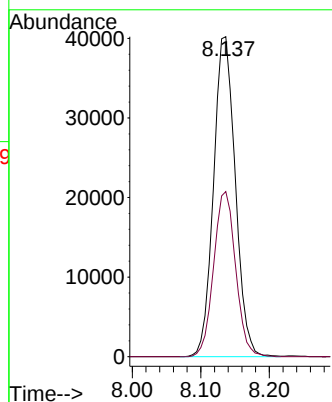
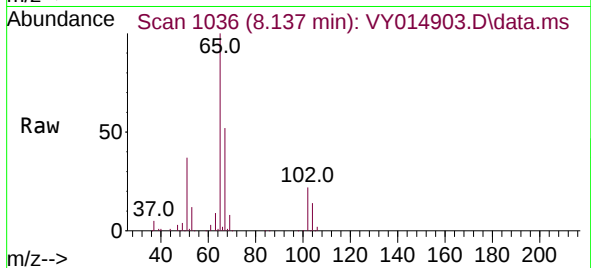
415/417-TP-2-(7-8)

Tgt Ion: 65 Resp: 88747

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014903.D

Acq: 28 Jul 2023 12:56

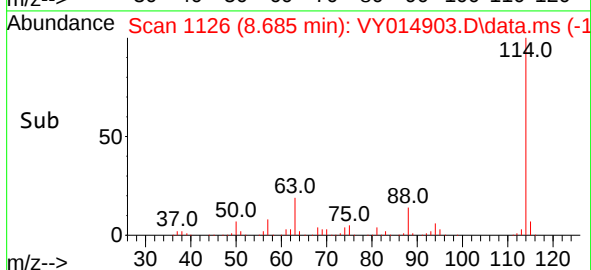
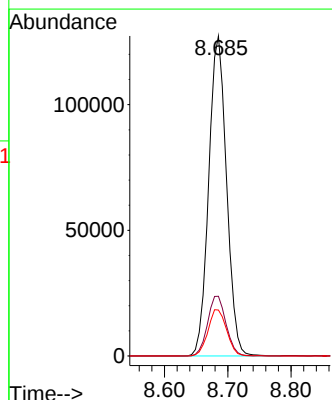
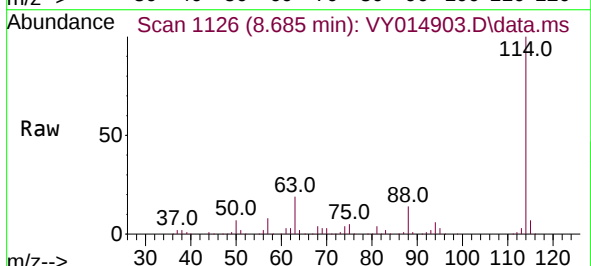
Tgt Ion: 114 Resp: 249591

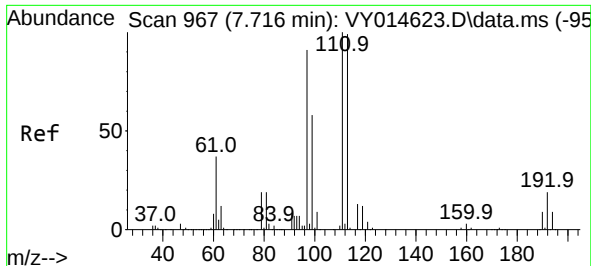
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 14.4 0.0 30.6

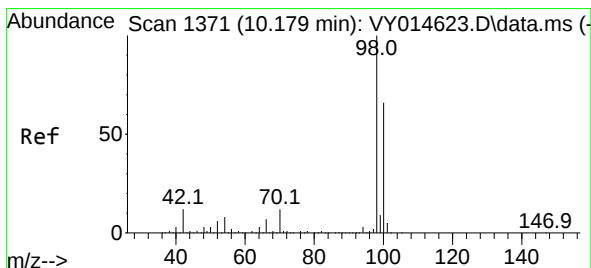
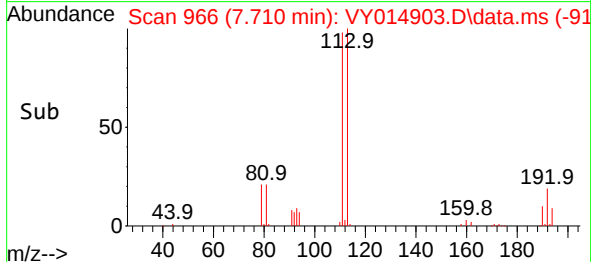
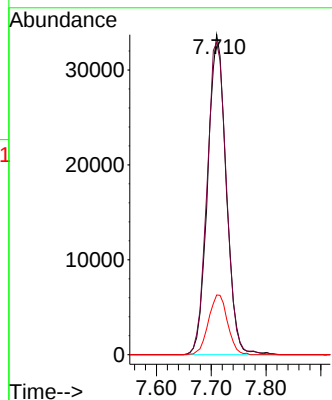
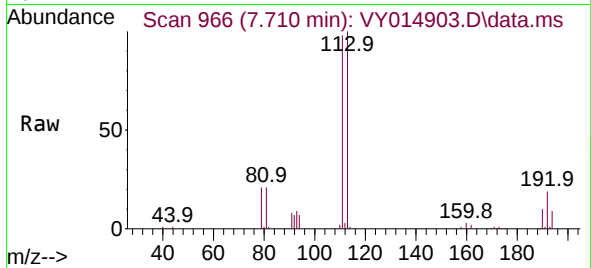




#35  
Dibromofluoromethane  
Concen: 49.740 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014903.D  
Acq: 28 Jul 2023 12:56

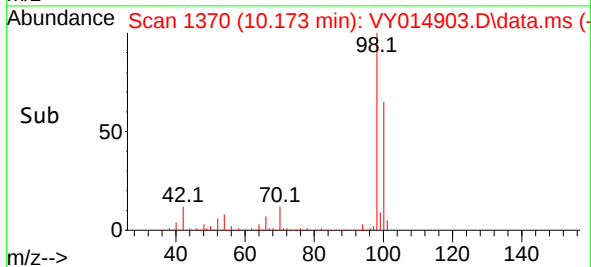
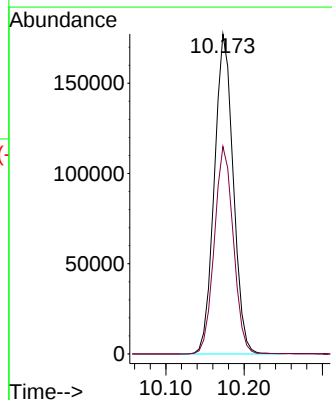
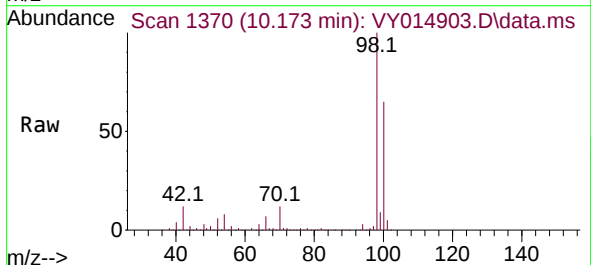
Instrument :  
MSVOA\_Y  
ClientSampleId :  
415/417-TP-2-(7-8)

Tgt Ion:113 Resp: 79029  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.3 121.9  
192 19.2 16.9 25.3



#50  
Toluene-d8  
Concen: 50.762 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.006 min  
Lab File: VY014903.D  
Acq: 28 Jul 2023 12:56

Tgt Ion: 98 Resp: 297346  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.1 75.1

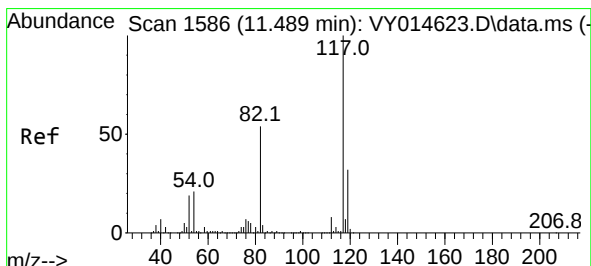
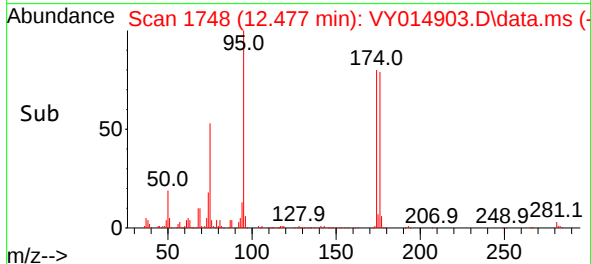
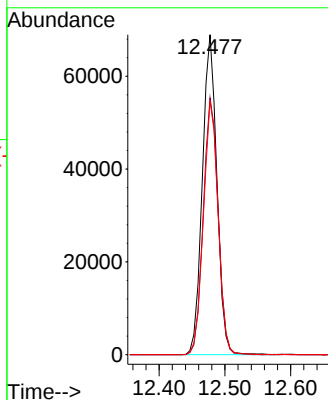
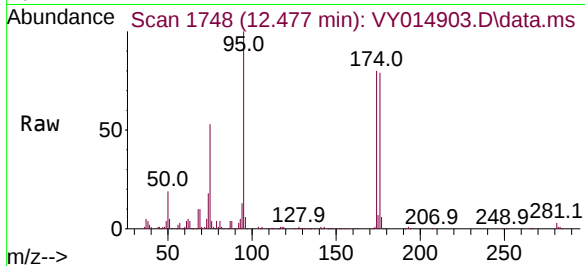




#62  
4-Bromofluorobenzene  
Concen: 47.166 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY014903.D  
Acq: 28 Jul 2023 12:56

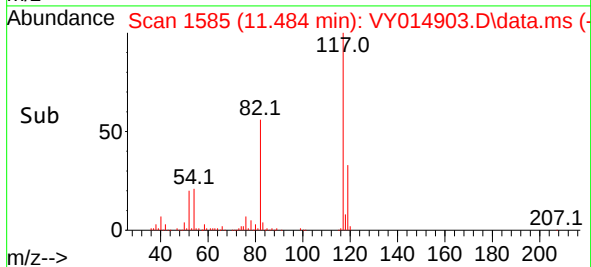
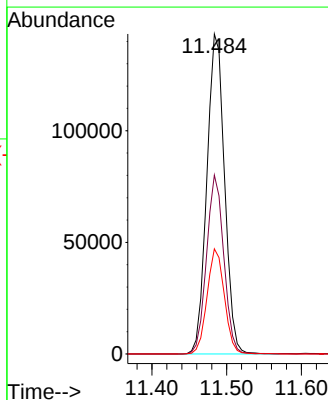
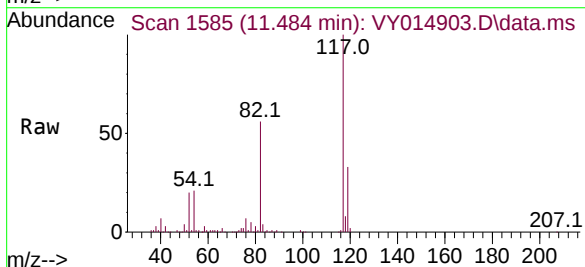
Instrument :  
MSVOA\_Y  
ClientSampleId :  
415/417-TP-2-(7-8)

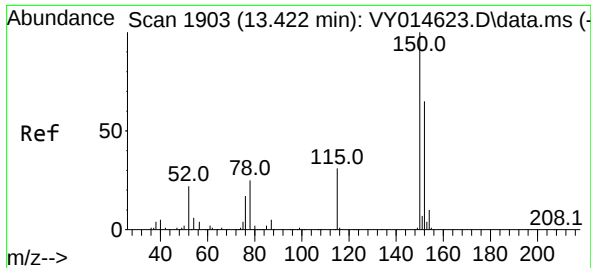
Tgt Ion: 95 Resp: 105939  
Ion Ratio Lower Upper  
95 100  
174 82.1 0.0 178.2  
176 80.0 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.484 min Scan# 1585  
Delta R.T. -0.005 min  
Lab File: VY014903.D  
Acq: 28 Jul 2023 12:56

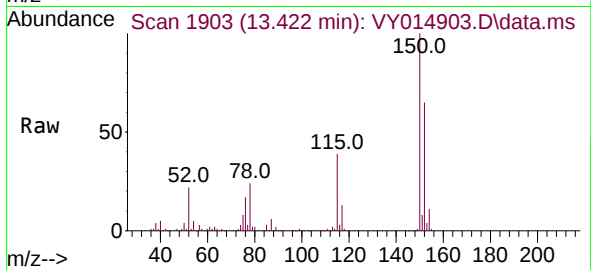
Tgt Ion: 117 Resp: 235629  
Ion Ratio Lower Upper  
117 100  
82 55.9 43.4 65.0  
119 32.8 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY014903.D  
 Acq: 28 Jul 2023 12:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 415/417-TP-2-(7-8)



Tgt Ion:152 Resp: 110362  
 Ion Ratio Lower Upper  
 152 100  
 115 59.1 28.8 86.5  
 150 155.3 0.0 348.8

