

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042523\  
 Data File : VY013440.D  
 Acq On : 25 Apr 2023 12:46  
 Operator : KP/MD  
 Sample : 02406-07  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-15-8.5-9.0

Quant Time: Apr 25 15:12:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

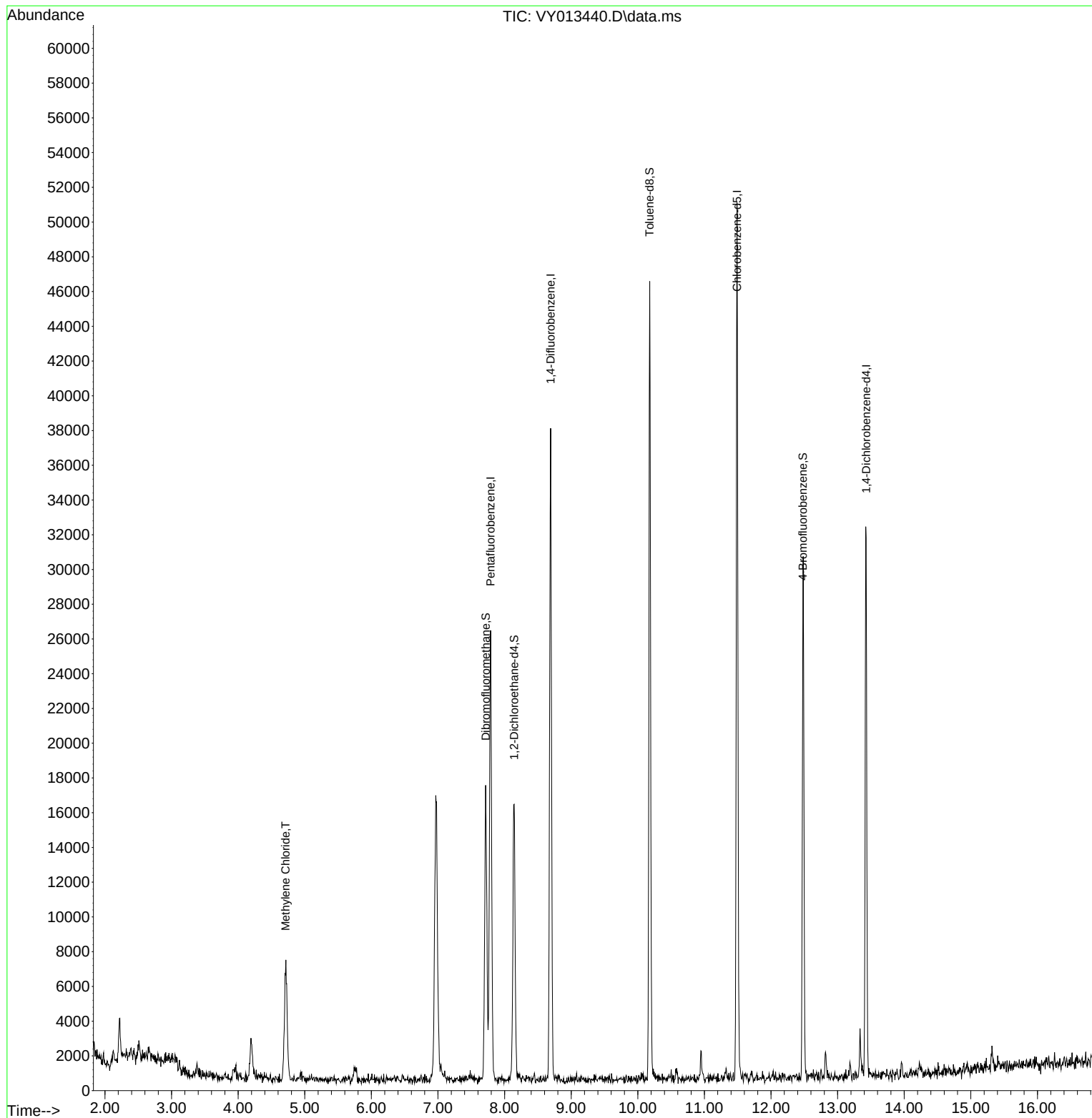
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 19046    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 31181    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 27065    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 8619     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 12696    | 60.809   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 121.620% |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 11343    | 57.839   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 115.680% |          |
| 50) Toluene-d8              | 10.179 | 98    | 30556    | 43.798   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 87.600%  |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 7649     | 32.522   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 65.040%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.710  | 84    | 4558     | 11.460   | ug/l #     | 83       |
| -----                       |        |       |          |          |            |          |

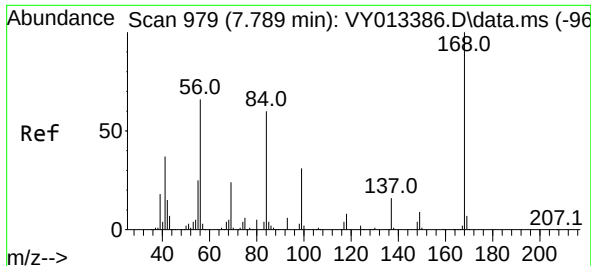
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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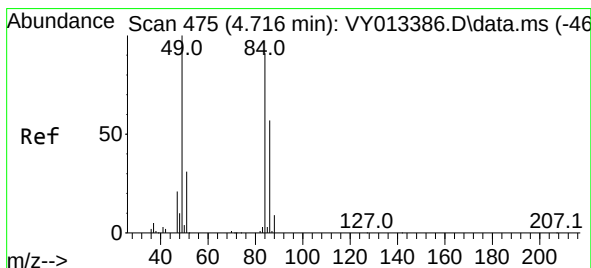
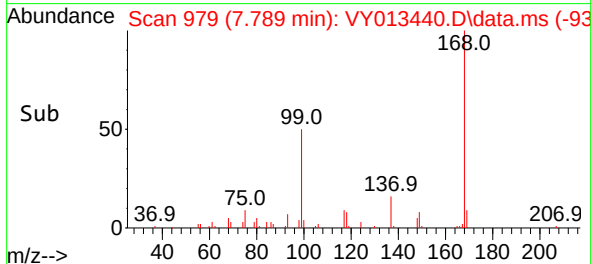
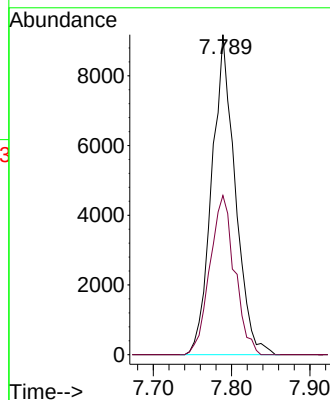
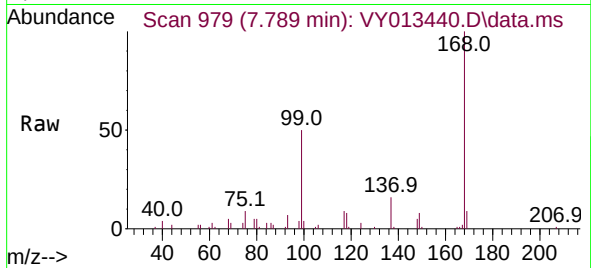




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013440.D  
Acq: 25 Apr 2023 12:46

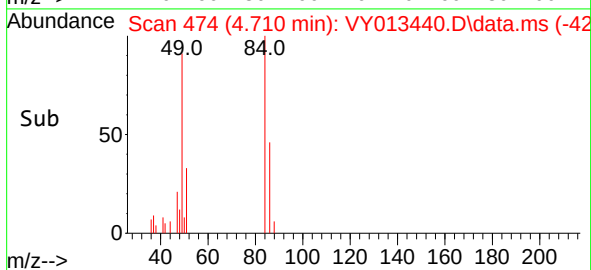
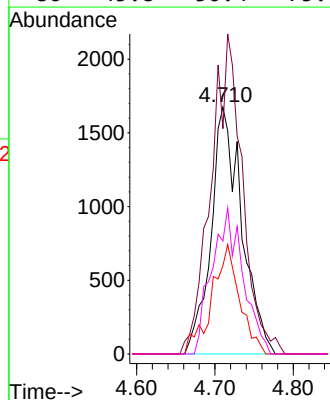
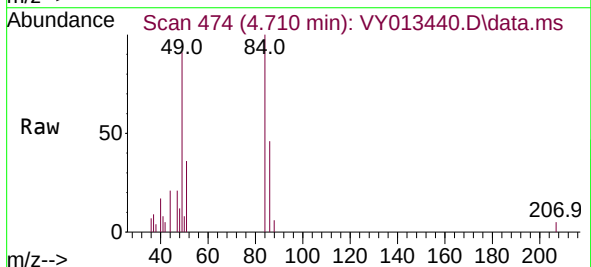
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-8.5-9.0

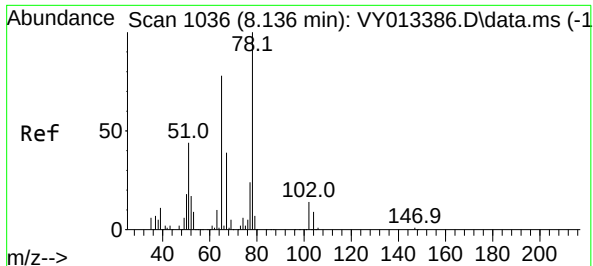
Tgt Ion:168 Resp: 19046  
Ion Ratio Lower Upper  
168 100  
99 49.7 41.8 62.6



#20  
Methylene Chloride  
Concen: 11.460 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY013440.D  
Acq: 25 Apr 2023 12:46

Tgt Ion: 84 Resp: 4558  
Ion Ratio Lower Upper  
84 100  
49 91.3 88.0 132.0  
51 35.7 27.4 41.0  
86 45.8 50.4 75.6#





#33

1,2-Dichloroethane-d4

Concen: 60.809 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY013440.D

Acq: 25 Apr 2023 12:46

Instrument :

MSVOA\_Y

ClientSampleId :

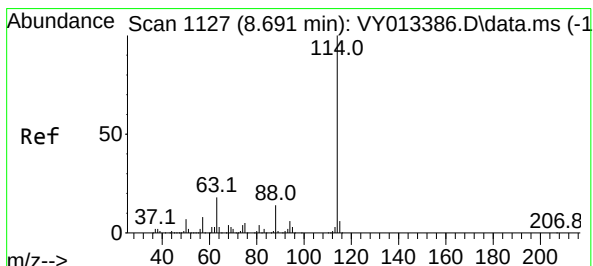
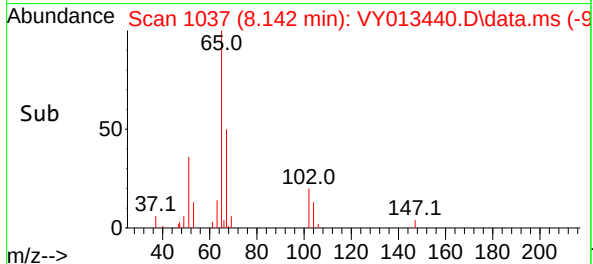
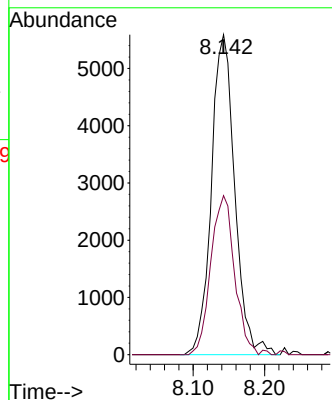
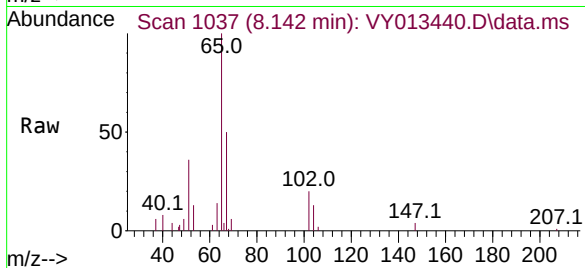
SB-15-8.5-9.0

Tgt Ion: 65 Resp: 12696

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013440.D

Acq: 25 Apr 2023 12:46

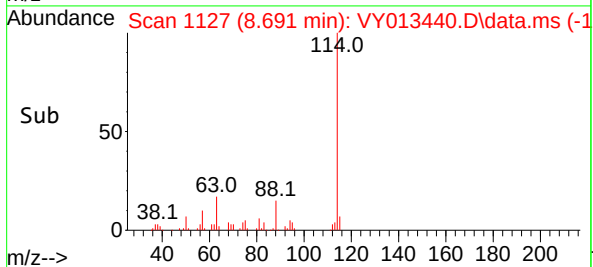
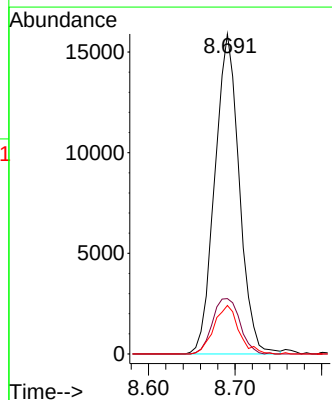
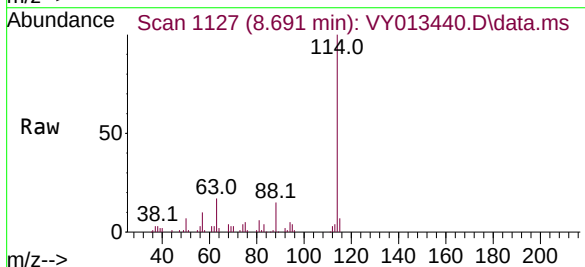
Tgt Ion: 114 Resp: 31181

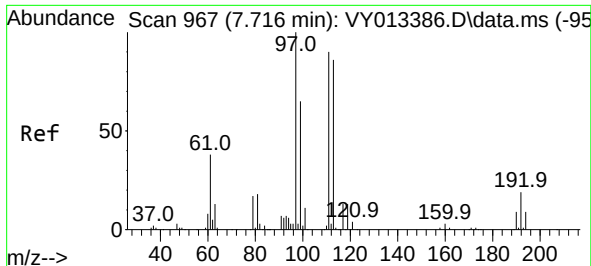
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 15.2 0.0 28.8

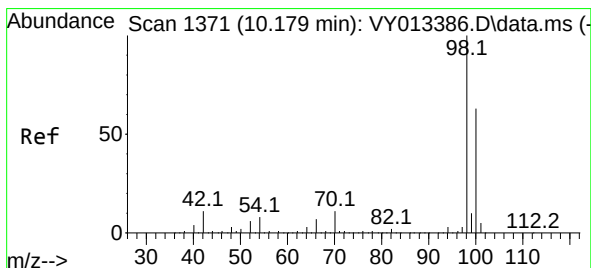
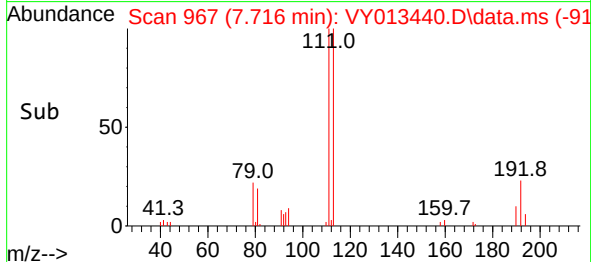
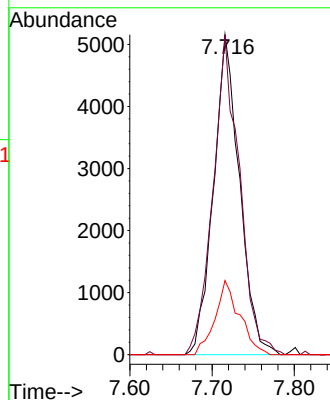
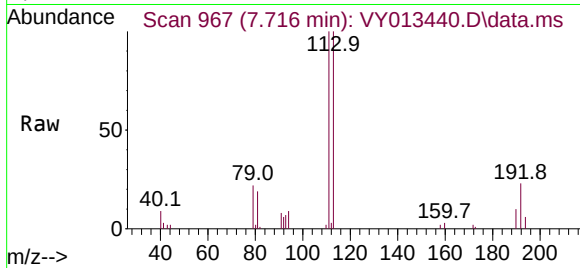




#35  
Dibromofluoromethane  
Concen: 57.839 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY013440.D  
Acq: 25 Apr 2023 12:46

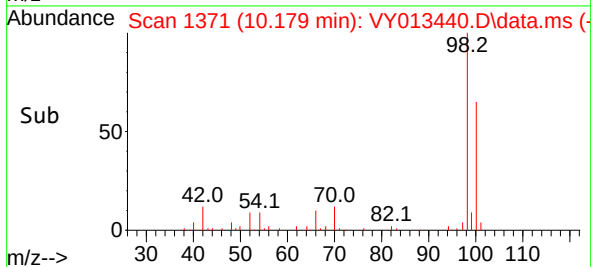
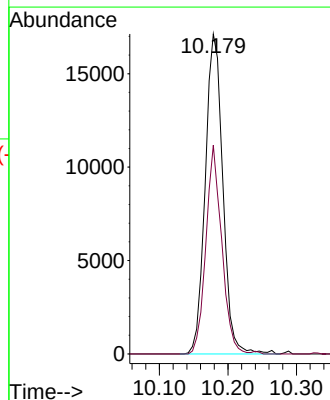
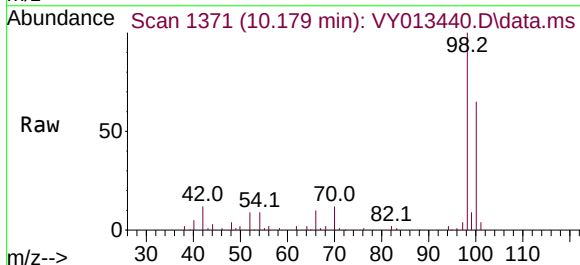
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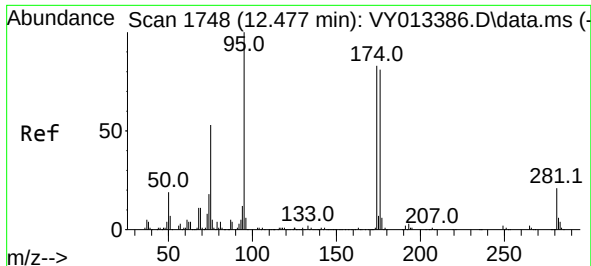
Tgt Ion:113 Resp: 11343  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.2 123.2  
192 21.9 16.7 25.1



#50  
Toluene-d8  
Concen: 43.798 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013440.D  
Acq: 25 Apr 2023 12:46

Tgt Ion: 98 Resp: 30556  
Ion Ratio Lower Upper  
98 100  
100 58.9 50.5 75.7

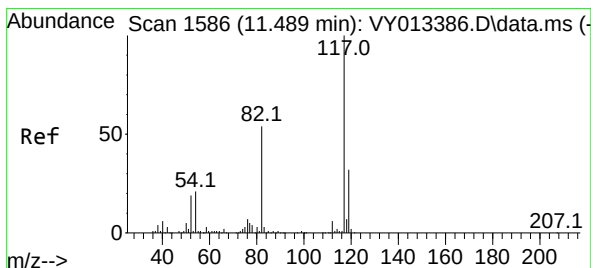
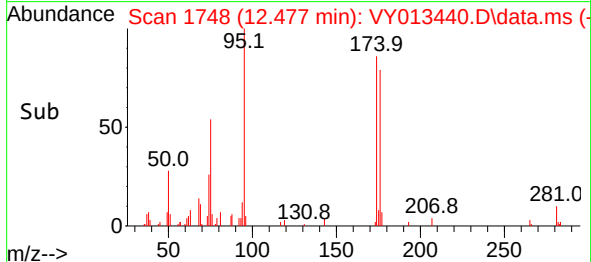
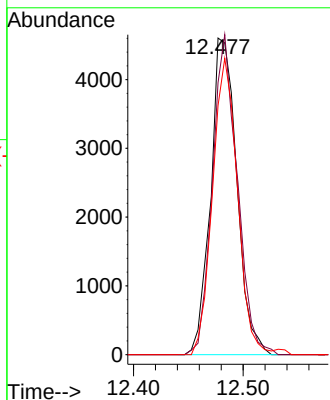
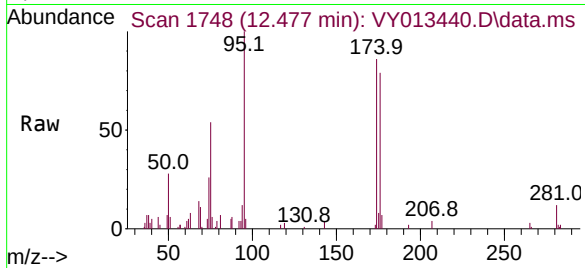




#62  
4-Bromofluorobenzene  
Concen: 32.522 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013440.D  
Acq: 25 Apr 2023 12:46

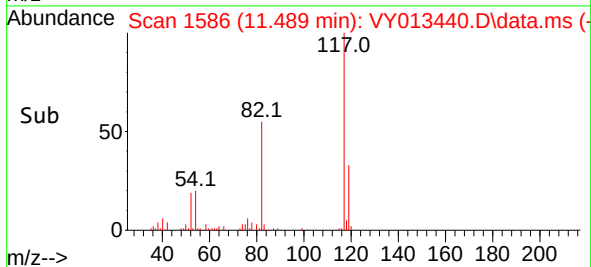
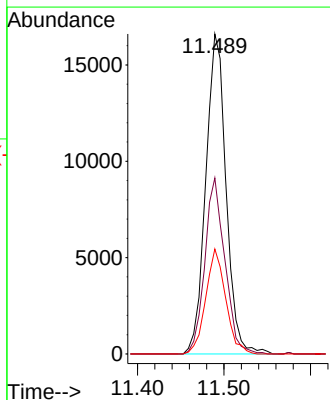
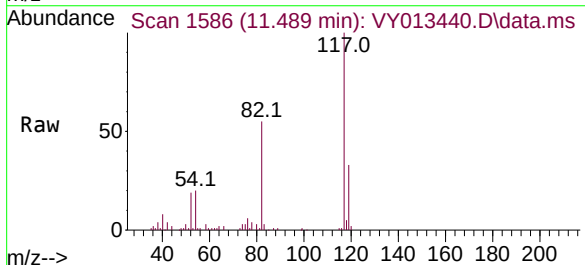
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MSVOA\_Y  
ClientSampleId :  
SB-15-8.5-9.0

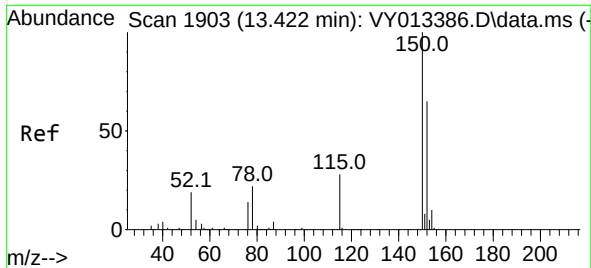
Tgt Ion: 95 Resp: 7649  
Ion Ratio Lower Upper  
95 100  
174 95.6 0.0 182.0  
176 89.8 0.0 175.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY013440.D  
Acq: 25 Apr 2023 12:46

Tgt Ion: 117 Resp: 27065  
Ion Ratio Lower Upper  
117 100  
82 55.0 43.0 64.6  
119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013440.D

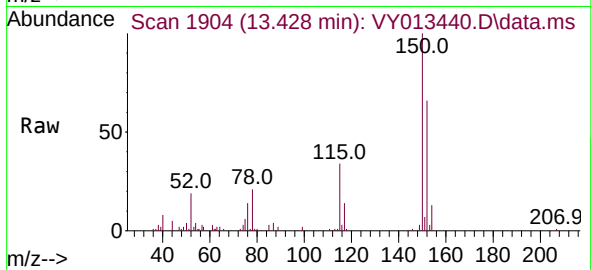
Acq: 25 Apr 2023 12:46

Instrument :

MSVOA\_Y

ClientSampleId :

SB-15-8.5-9.0



Tgt Ion:152 Resp: 8619

Ion Ratio Lower Upper

152 100

115 58.1 28.1 84.2

150 158.6 0.0 352.0

