

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062123\  
 Data File : VY014344.D  
 Acq On : 21 Jun 2023 18:28  
 Operator : KP/MD  
 Sample : 03358-01  
 Misc : 5.50g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1-(0-2)

Quant Time: Jun 22 01:58:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

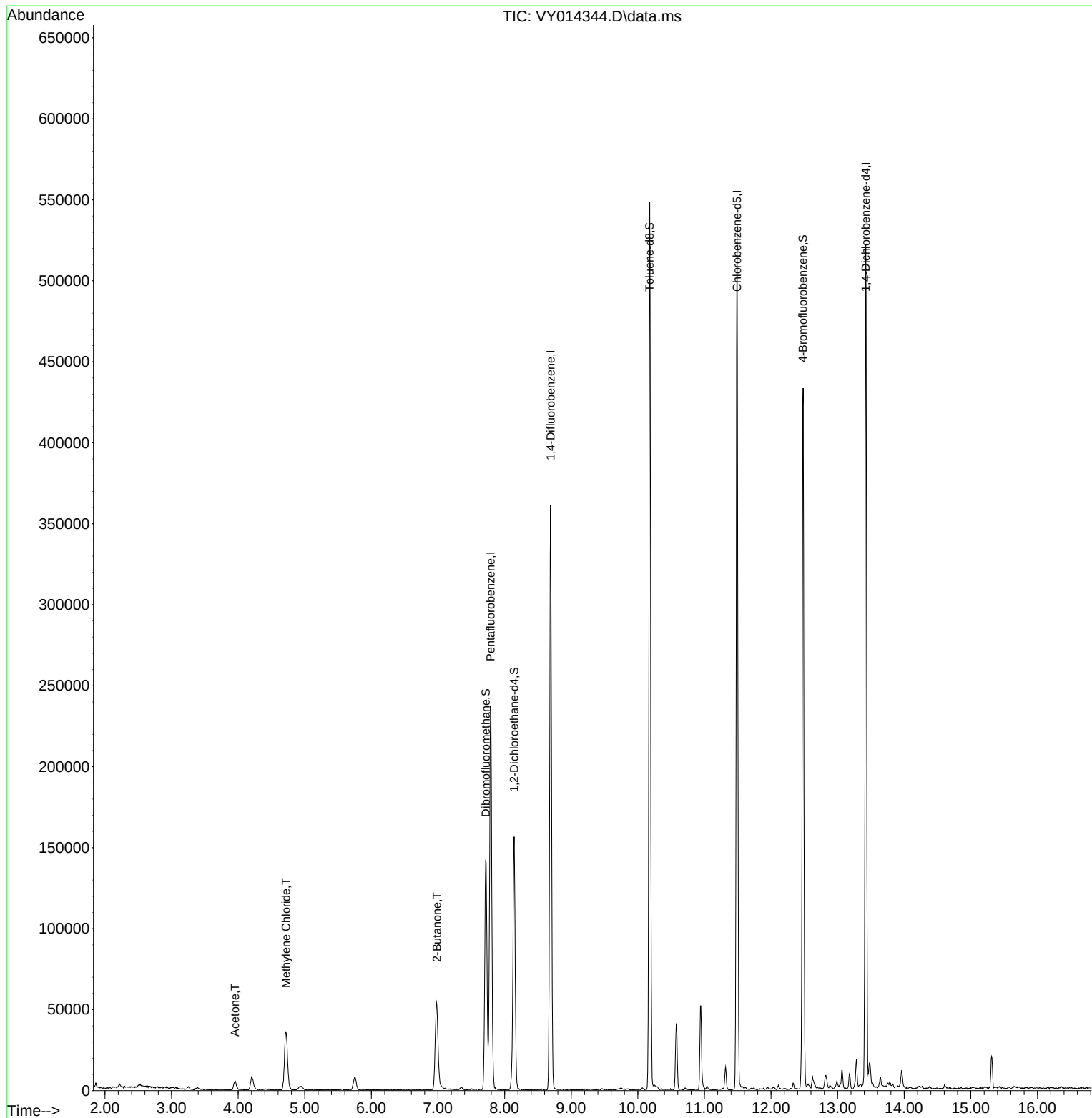
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 188480   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 294619   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 281164   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 134824   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 127294   | 48.500   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 97.000%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 96771    | 46.316   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 92.640%  |
| 50) Toluene-d8              | 10.179 | 98    | 354530   | 45.387   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 90.780%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 118894   | 42.848   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 85.700%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.954  | 43    | 9838     | 12.435   | ug/l   | 93       |
| 20) Methylene Chloride      | 4.716  | 84    | 27821    | 8.004    | ug/l   | 93       |
| 25) 2-Butanone              | 6.984  | 43    | 5559     | 5.708    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

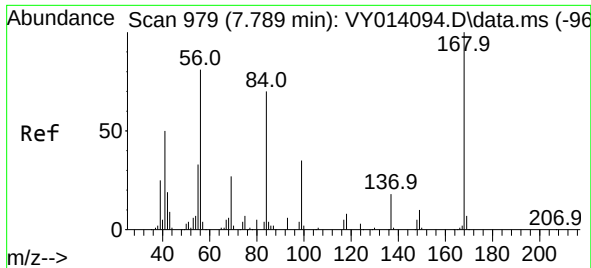
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration

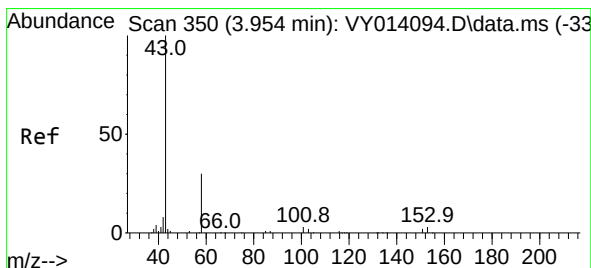
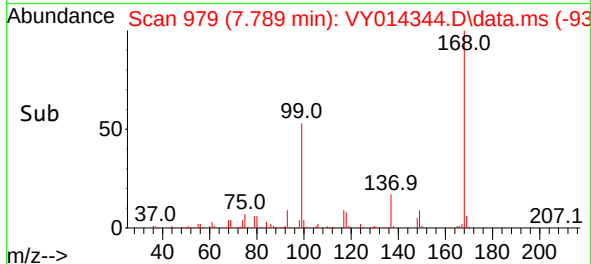
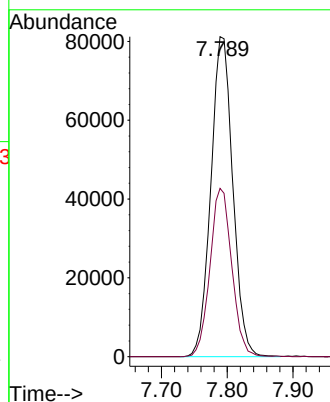
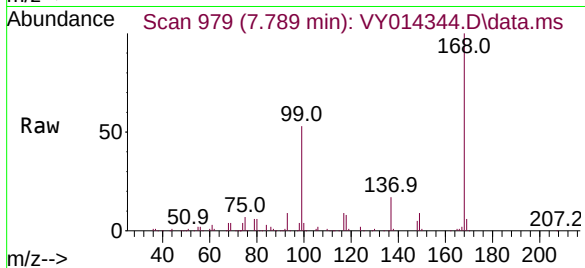




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014344.D  
Acq: 21 Jun 2023 18:28

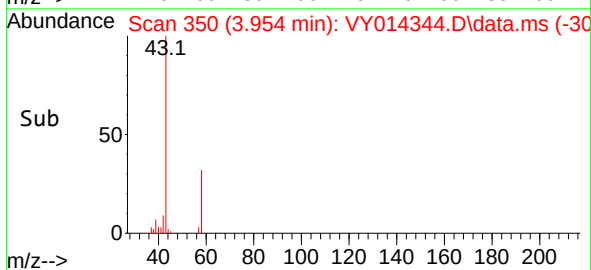
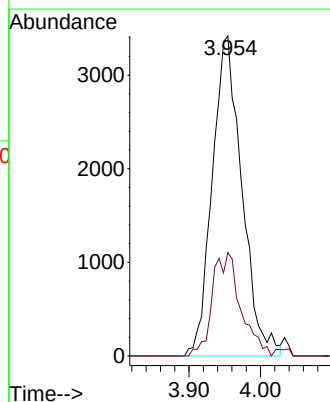
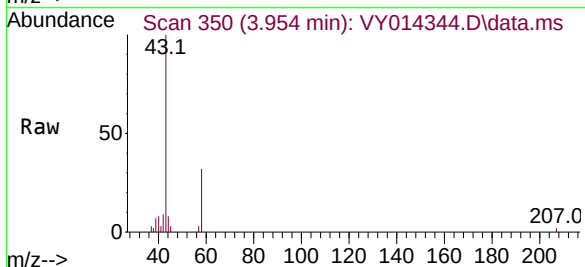
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1-(0-2)

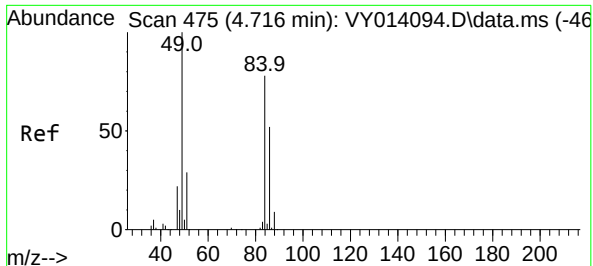
Tgt Ion:168 Resp: 188480  
Ion Ratio Lower Upper  
168 100  
99 52.6 43.4 65.0



#16  
Acetone  
Concen: 12.435 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY014344.D  
Acq: 21 Jun 2023 18:28

Tgt Ion: 43 Resp: 9838  
Ion Ratio Lower Upper  
43 100  
58 32.3 22.7 34.1

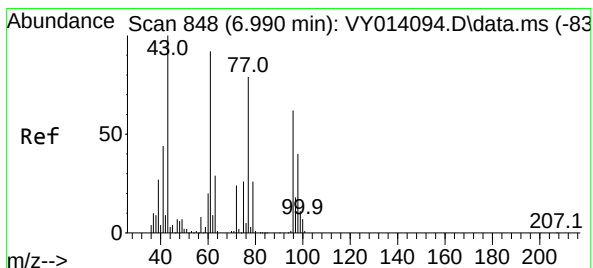
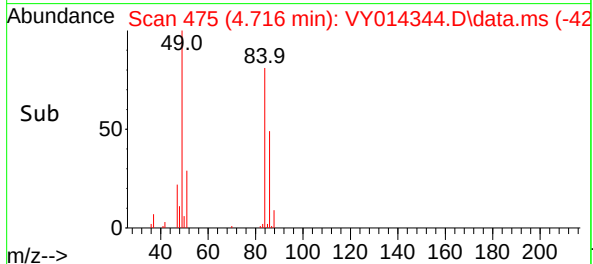
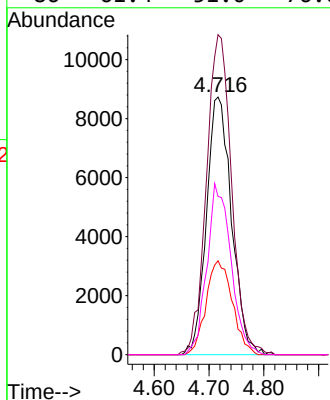
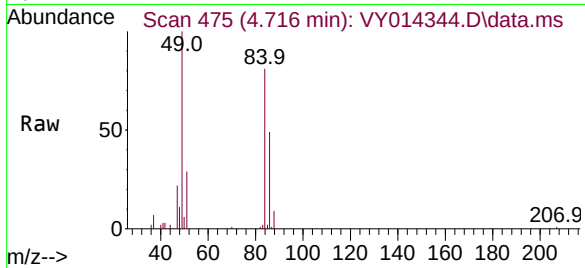




#20  
Methylene Chloride  
Concen: 8.004 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY014344.D  
Acq: 21 Jun 2023 18:28

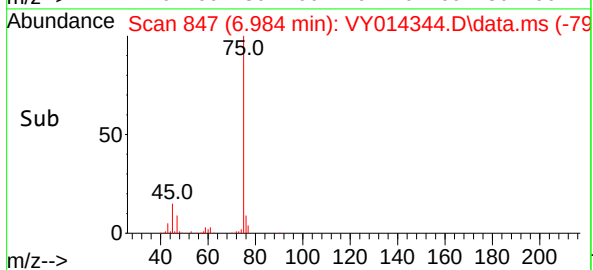
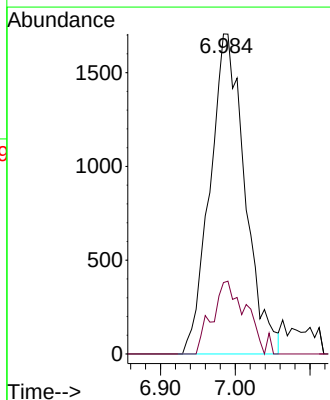
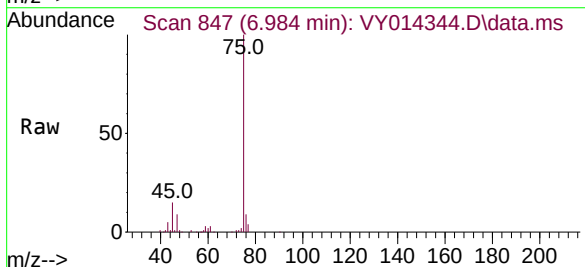
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1-(0-2)

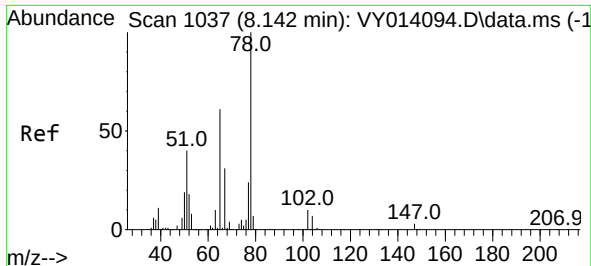
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 27821 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 124.2 | 106.9 | 160.3 |
| 51       | 36.4  | 33.2  | 49.8  |
| 86       | 61.4  | 51.0  | 76.6  |



#25  
2-Butanone  
Concen: 5.708 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: VY014344.D  
Acq: 21 Jun 2023 18:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5559  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 22.3  | 20.5  | 30.7  |



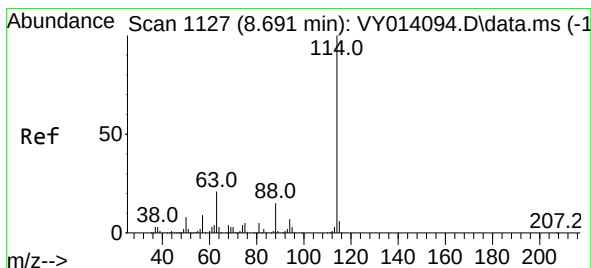
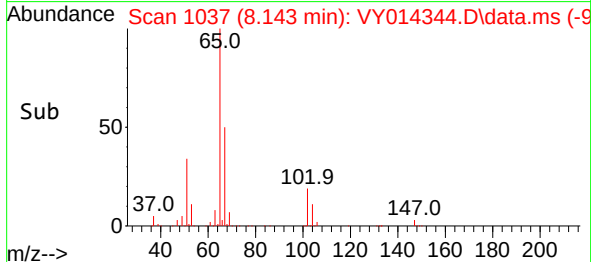
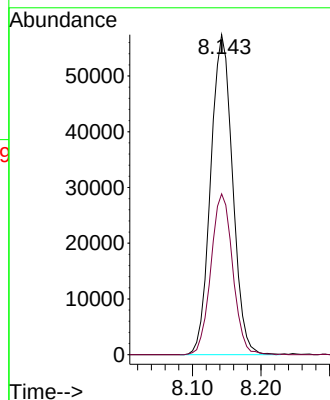
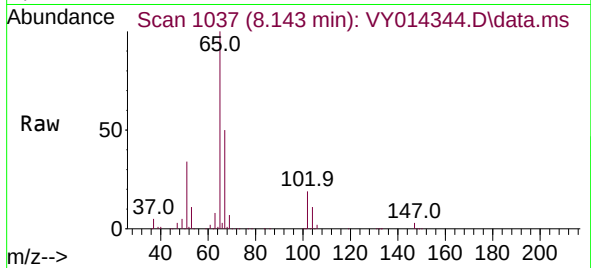


#33  
 1,2-Dichloroethane-d4  
 Concen: 48.500 ug/l  
 RT: 8.143 min Scan# 1037  
 Delta R.T. 0.001 min  
 Lab File: VY014344.D  
 Acq: 21 Jun 2023 18:28

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1-(0-2)

Tgt Ion: 65 Resp: 127294  

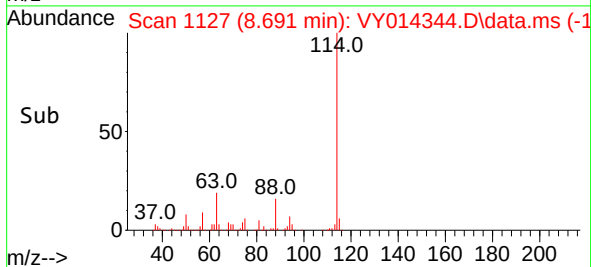
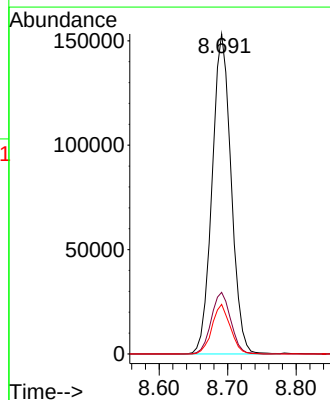
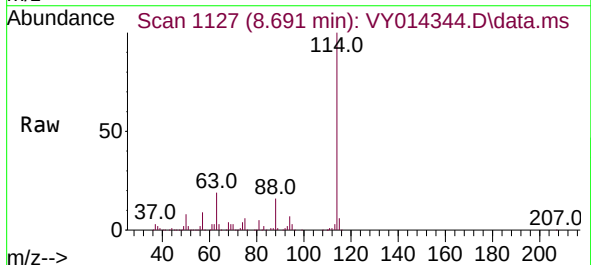
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 49.9  | 0.0   | 101.8 |

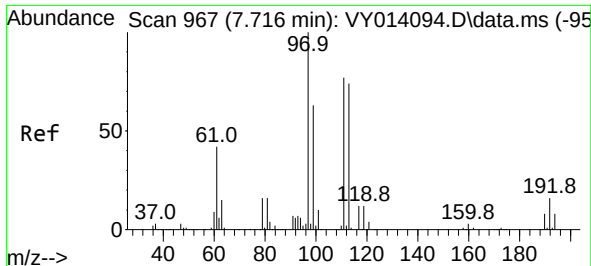


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY014344.D  
 Acq: 21 Jun 2023 18:28

Tgt Ion: 114 Resp: 294619  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.2  | 0.0   | 42.4  |
| 88  | 15.5  | 0.0   | 30.6  |

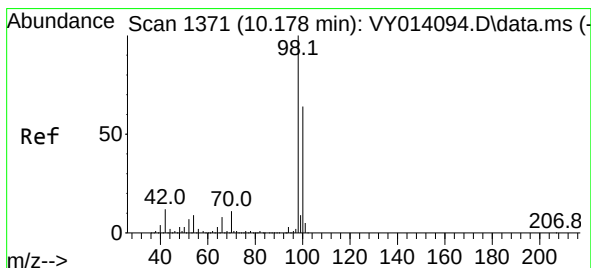
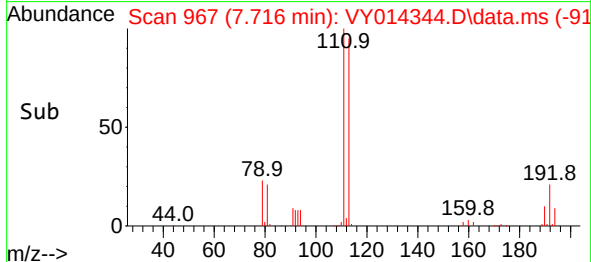
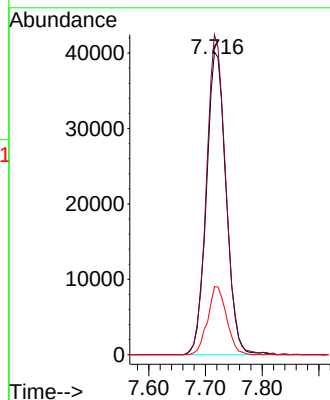
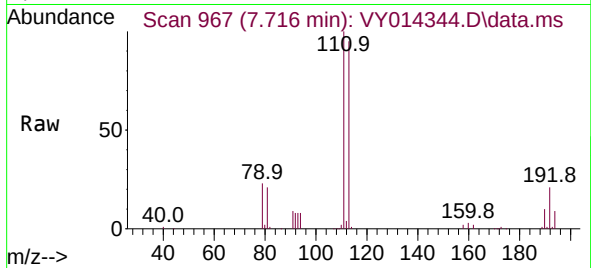




#35  
Dibromofluoromethane  
Concen: 46.316 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY014344.D  
Acq: 21 Jun 2023 18:28

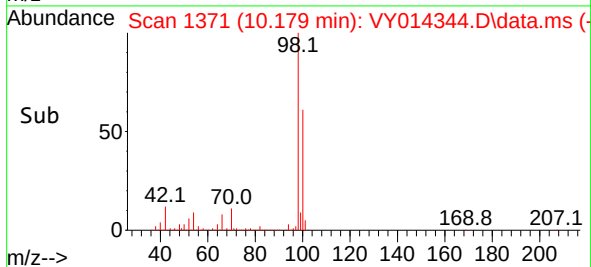
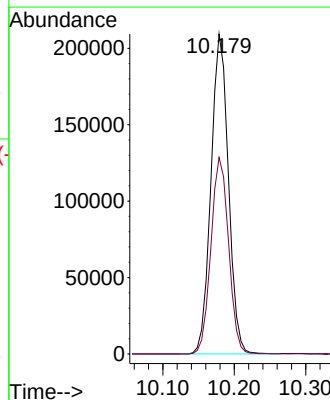
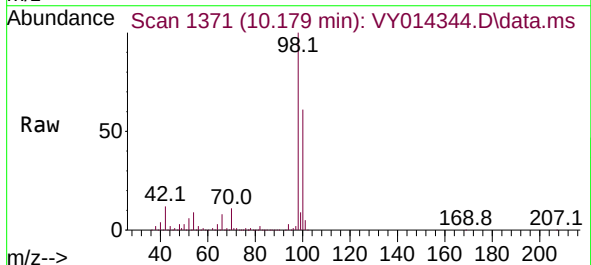
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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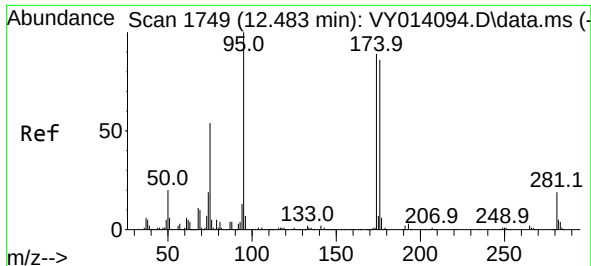
Tgt Ion:113 Resp: 96771  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.3 121.9  
192 21.6 16.9 25.3



#50  
Toluene-d8  
Concen: 45.387 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY014344.D  
Acq: 21 Jun 2023 18:28

Tgt Ion: 98 Resp: 354530  
Ion Ratio Lower Upper  
98 100  
100 62.2 50.1 75.1

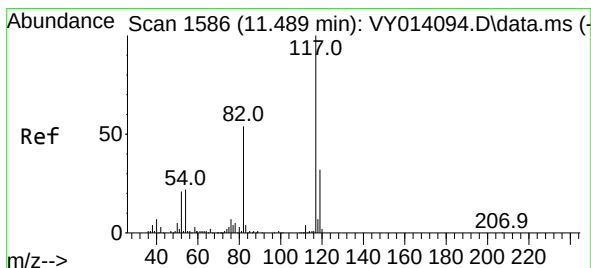
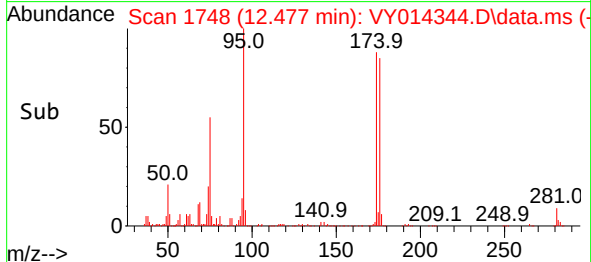
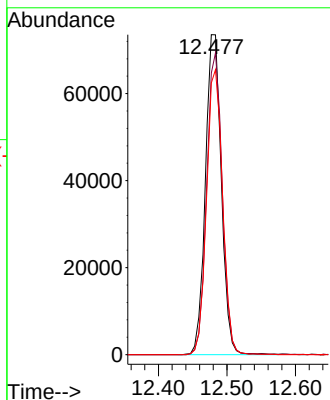
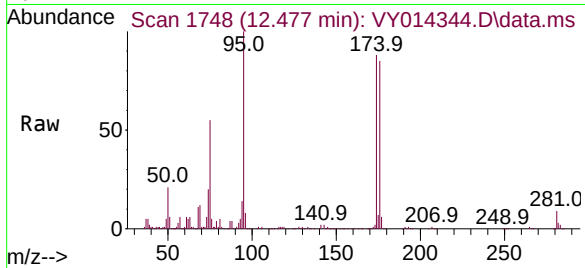




#62  
4-Bromofluorobenzene  
Concen: 42.848 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014344.D  
Acq: 21 Jun 2023 18:28

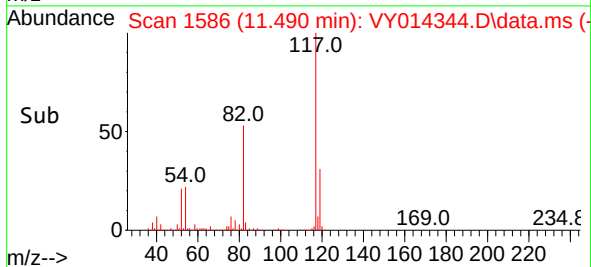
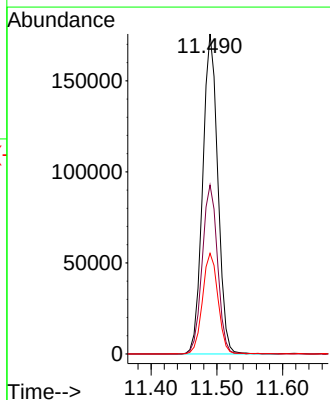
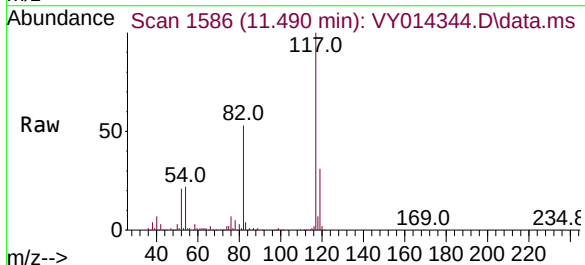
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MSVOA\_Y  
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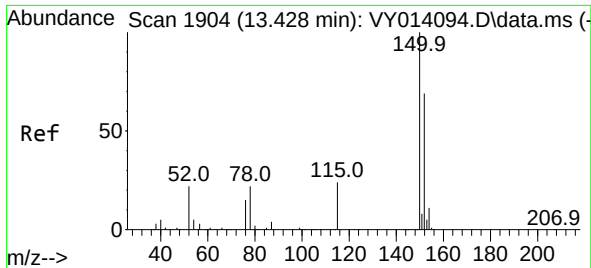
Tgt Ion: 95 Resp: 118894  
Ion Ratio Lower Upper  
95 100  
174 92.5 0.0 178.2  
176 89.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY014344.D  
Acq: 21 Jun 2023 18:28

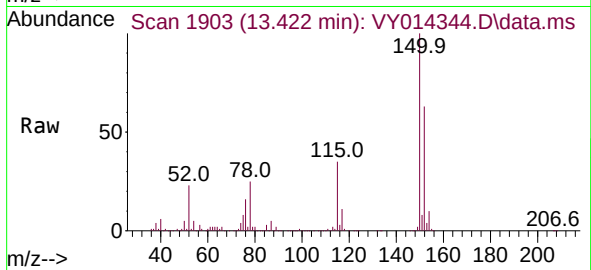
Tgt Ion: 117 Resp: 281164  
Ion Ratio Lower Upper  
117 100  
82 52.8 43.4 65.0  
119 31.4 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.006 min  
 Lab File: VY014344.D  
 Acq: 21 Jun 2023 18:28

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1-(0-2)



Tgt Ion:152 Resp: 134824  
 Ion Ratio Lower Upper  
 152 100  
 115 55.9 28.8 86.5  
 150 157.2 0.0 348.8

