

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061623\  
 Data File : VY014210.D  
 Acq On : 16 Jun 2023 17:58  
 Operator : KP/MD  
 Sample : 03229-10  
 Misc : 5.31g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-402-VOC-10

Quant Time: Jun 16 23:24:06 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

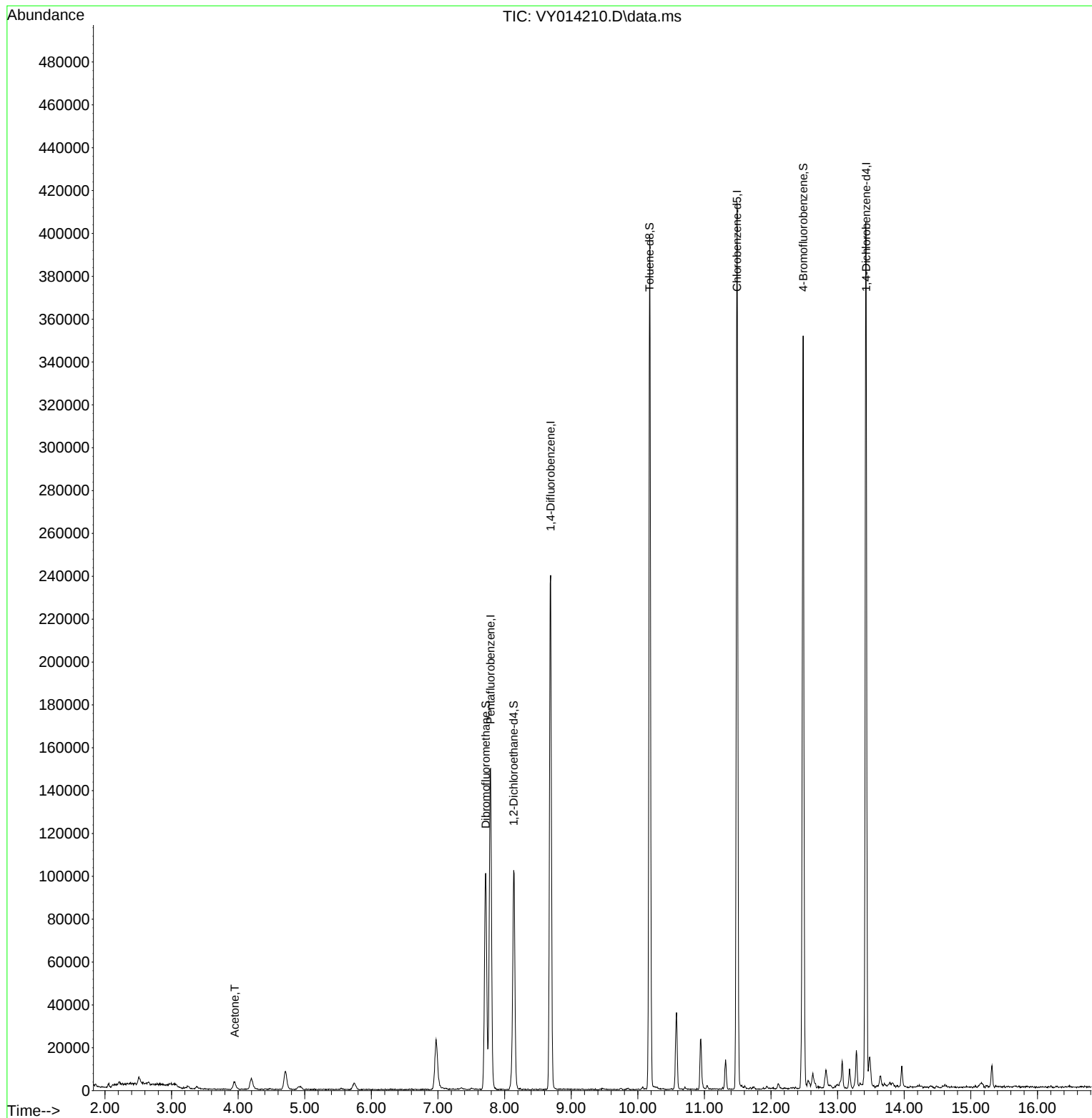
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 119921   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 202449   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 216267   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 107490   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 82524    | 49.418   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 98.840%   |
| 35) Dibromofluoromethane    | 7.716  | 113   | 69100    | 48.129   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 96.260%   |
| 50) Toluene-d8              | 10.179 | 98    | 253431   | 47.215   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 94.440%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 91895    | 48.195   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 96.400%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 3.948  | 43    | 6577     | 13.066   | ug/l  | Qvalue 96 |
| -----                       |        |       |          |          |       |           |

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

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Instrument :  
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ClientSampleId :  
OR-402-VOC-10

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Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration

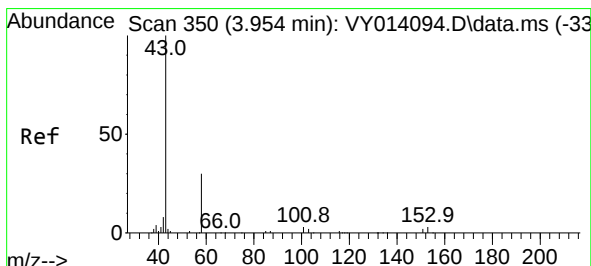
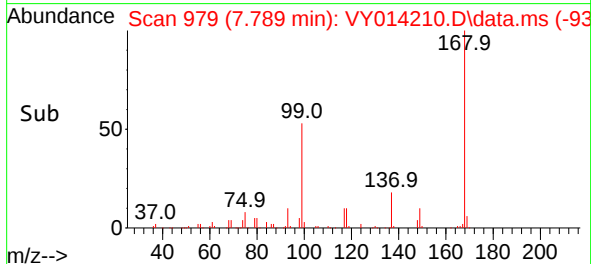
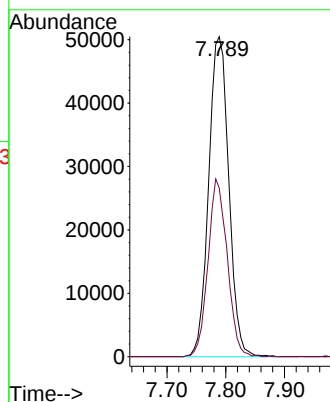
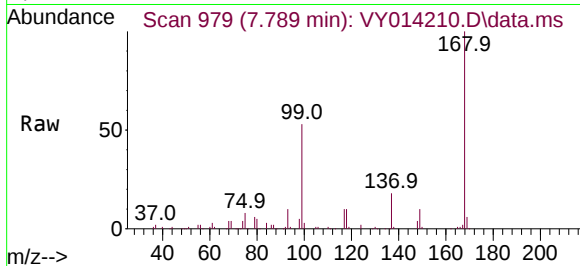




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014210.D  
Acq: 16 Jun 2023 17:58

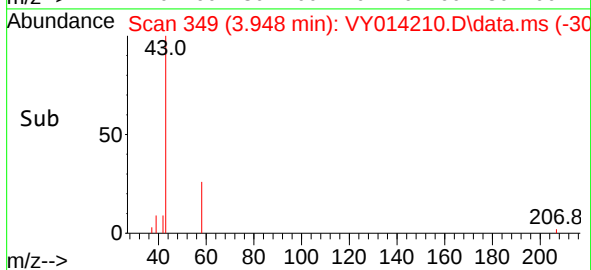
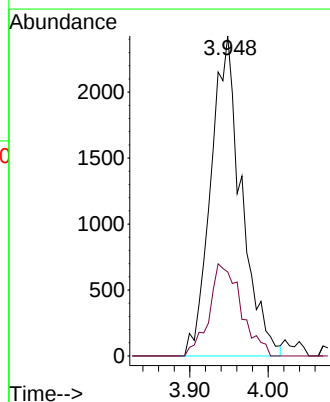
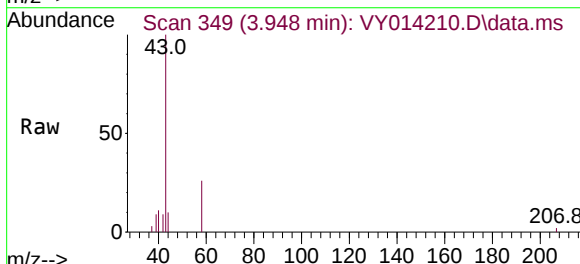
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-402-VOC-10

Tgt Ion:168 Resp: 119921  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.4 65.0



#16  
Acetone  
Concen: 13.066 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY014210.D  
Acq: 16 Jun 2023 17:58

Tgt Ion: 43 Resp: 6577  
Ion Ratio Lower Upper  
43 100  
58 26.3 22.7 34.1

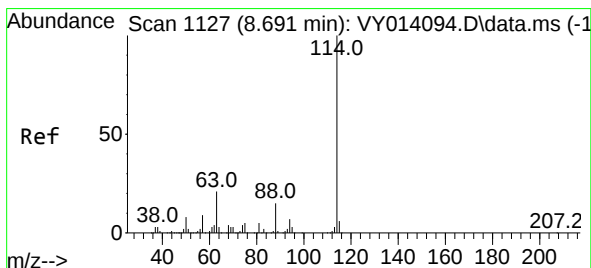
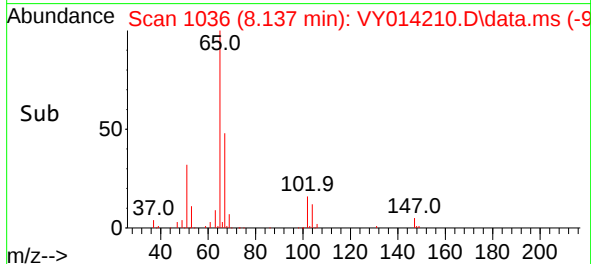
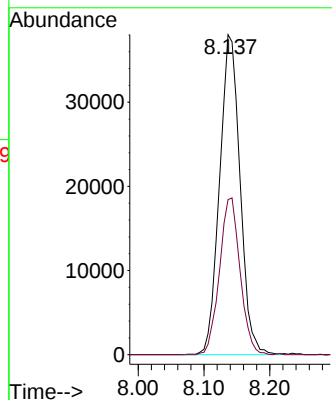
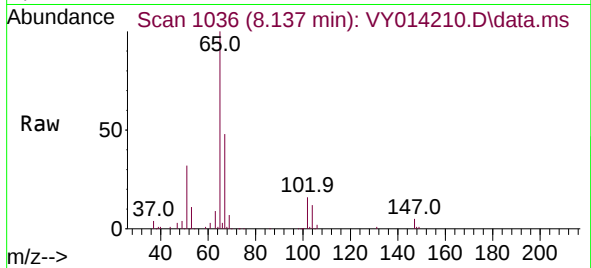




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.418 ug/l  
 RT: 8.137 min Scan# 1036  
 Delta R.T. -0.005 min  
 Lab File: VY014210.D  
 Acq: 16 Jun 2023 17:58

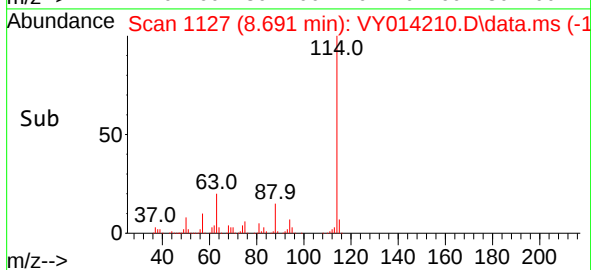
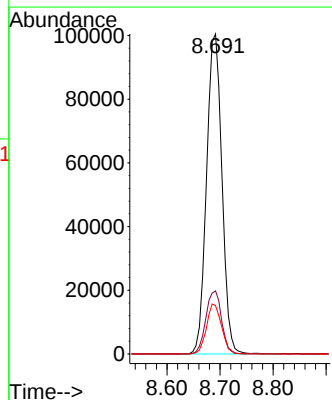
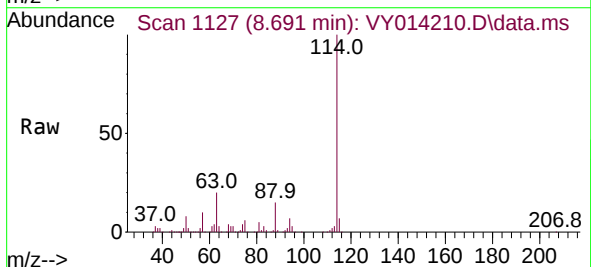
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-402-VOC-10

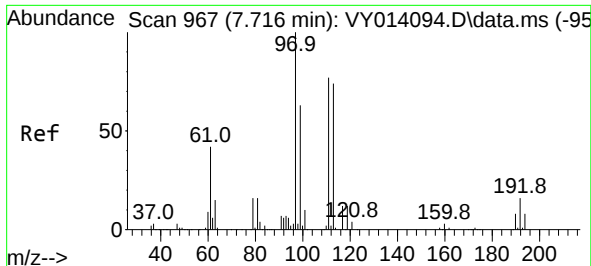
Tgt Ion: 65 Resp: 82524  
 Ion Ratio Lower Upper  
 65 100  
 67 49.2 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY014210.D  
 Acq: 16 Jun 2023 17:58

Tgt Ion: 114 Resp: 202449  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 42.4  
 88 15.1 0.0 30.6

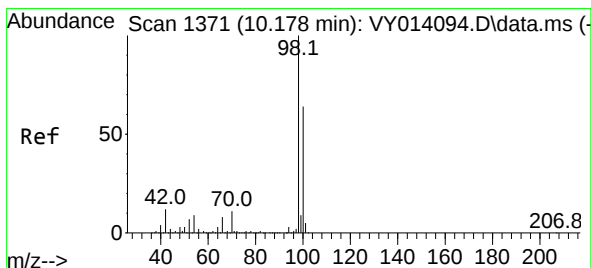
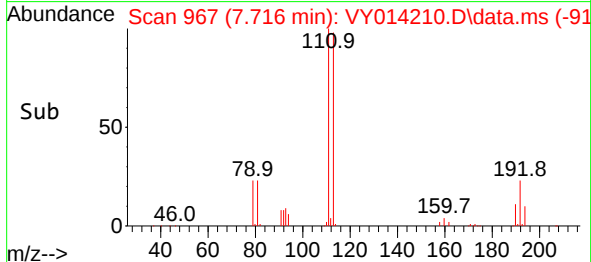
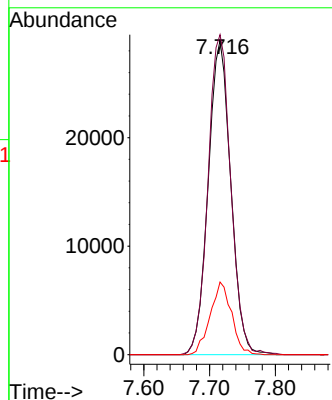
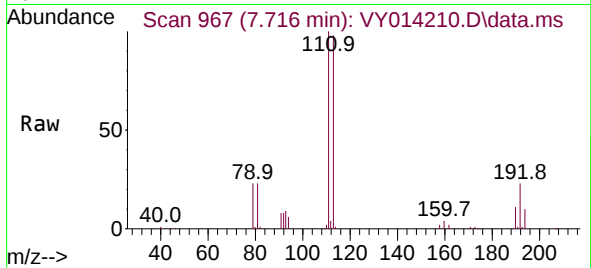




#35  
Dibromofluoromethane  
Concen: 48.129 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014210.D  
Acq: 16 Jun 2023 17:58

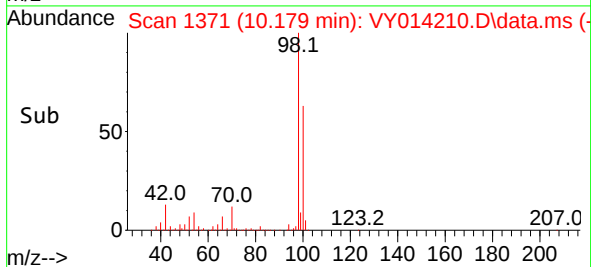
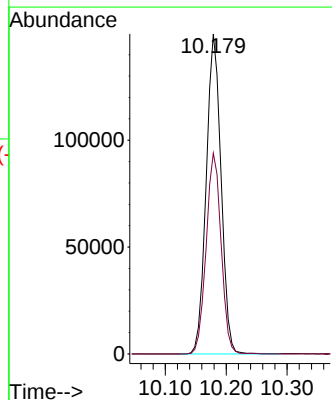
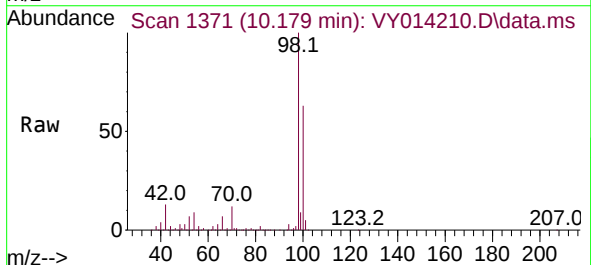
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-402-VOC-10

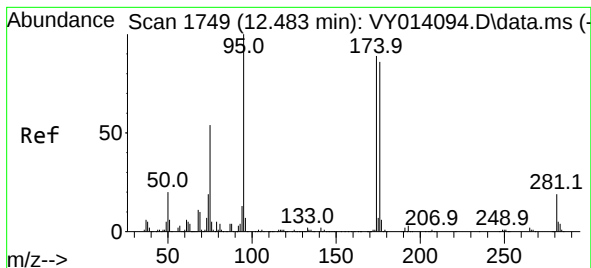
Tgt Ion:113 Resp: 69100  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.3 121.9  
192 21.9 16.9 25.3



#50  
Toluene-d8  
Concen: 47.215 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY014210.D  
Acq: 16 Jun 2023 17:58

Tgt Ion: 98 Resp: 253431  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.1 75.1

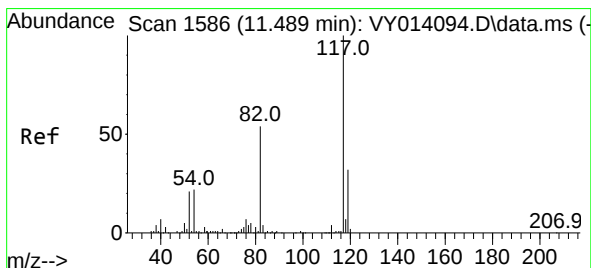
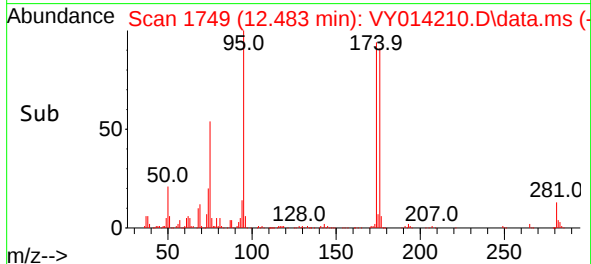
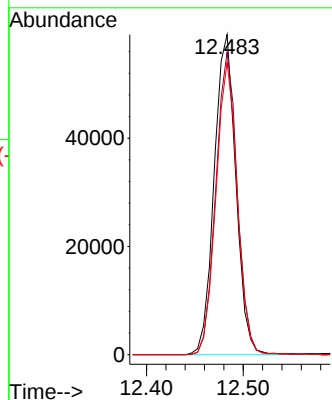
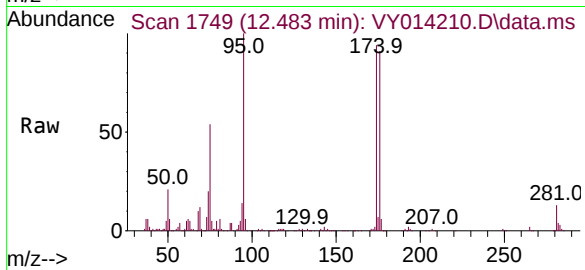




#62  
4-Bromofluorobenzene  
Concen: 48.195 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY014210.D  
Acq: 16 Jun 2023 17:58

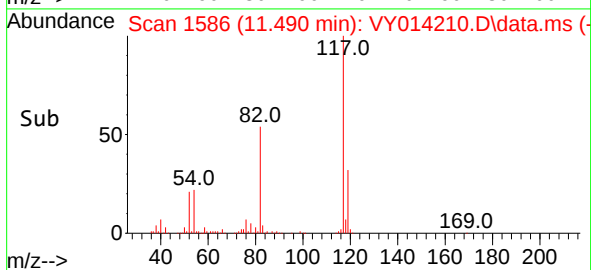
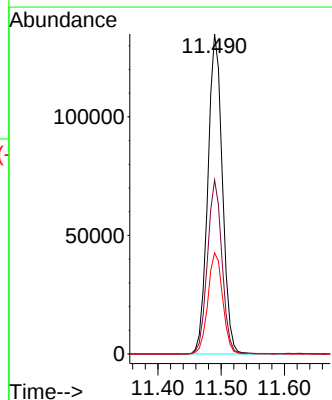
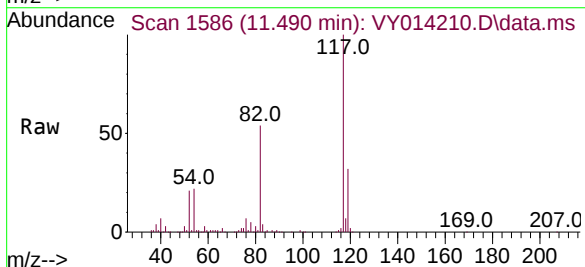
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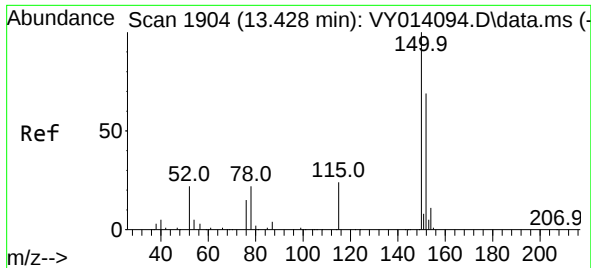
Tgt Ion: 95 Resp: 91895  
Ion Ratio Lower Upper  
95 100  
174 93.6 0.0 178.2  
176 90.2 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY014210.D  
Acq: 16 Jun 2023 17:58

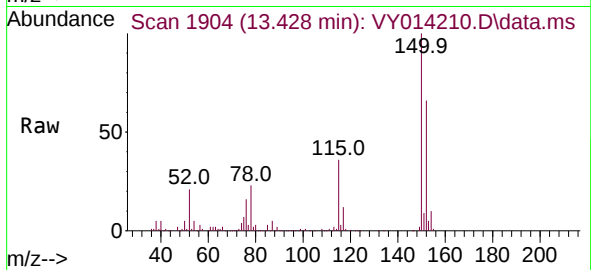
Tgt Ion: 117 Resp: 216267  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.4 65.0  
119 31.6 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY014210.D  
 Acq: 16 Jun 2023 17:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-402-VOC-10



Tgt Ion:152 Resp: 107490  
 Ion Ratio Lower Upper  
 152 100  
 115 55.5 28.8 86.5  
 150 153.9 0.0 348.8

