

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082223\  
 Data File : VY015239.D  
 Acq On : 22 Aug 2023 13:06  
 Operator : SY/MD  
 Sample : 04086-02  
 Misc : 4.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-PP06BRE

Quant Time: Aug 22 14:27:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

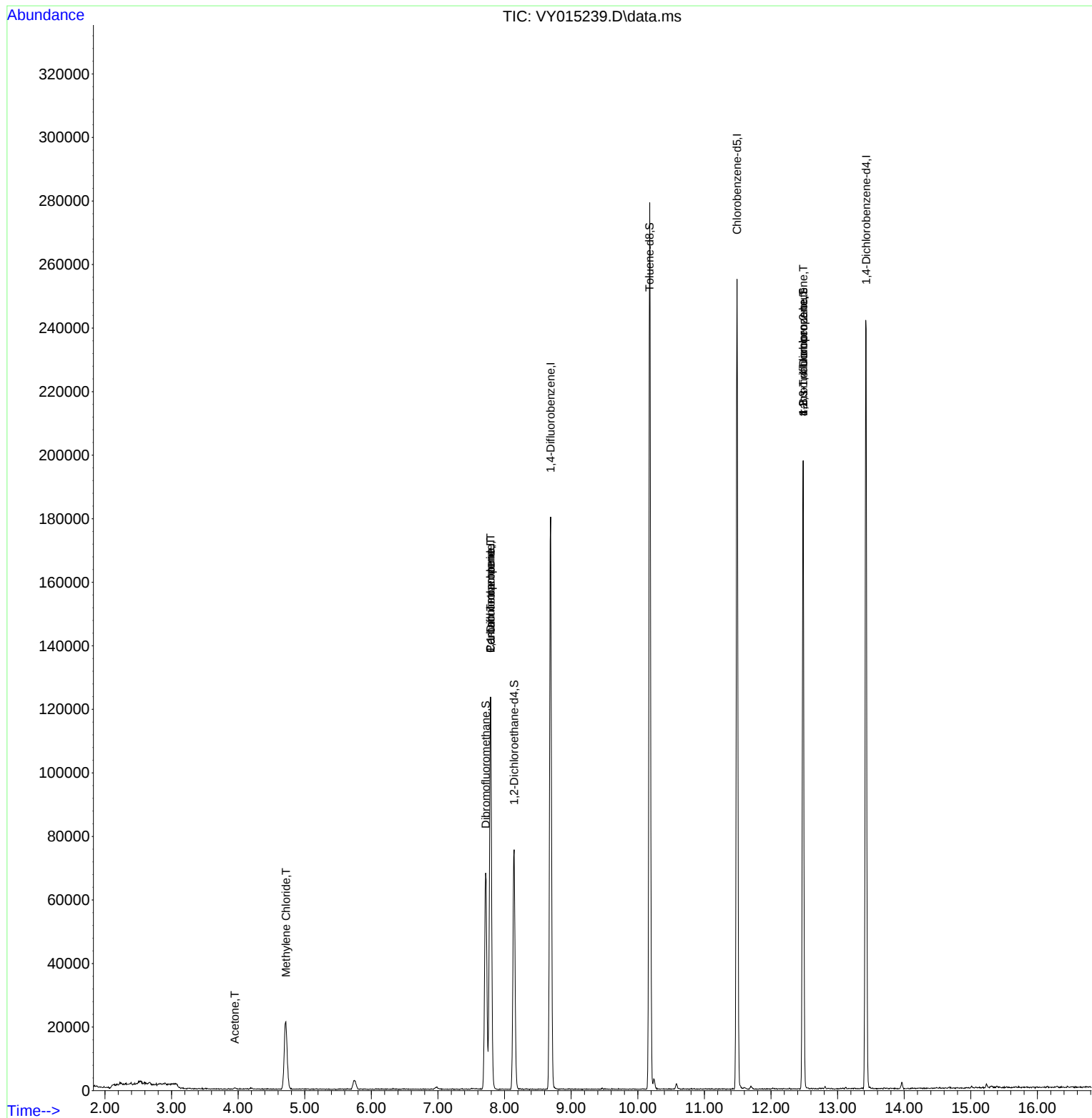
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 94687    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 152324   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 138154   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 63569    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 58623    | 51.576    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 103.160% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 48279    | 49.267    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 98.540%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 180538   | 49.490    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 98.980%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 57151    | 42.893    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 85.780%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.113  | 50    | 269      | Below Cal |            | 94       |
| 5) Bromomethane               | 2.668  | 94    | 257      | Below Cal | #          | 78       |
| 16) Acetone                   | 3.948  | 43    | 706      | 1.901     | ug/l #     | 46       |
| 20) Methylene Chloride        | 4.716  | 84    | 16412    | 15.449    | ug/l       | 89       |
| 31) Cyclohexane               | 7.789  | 56    | 2216     | Below Cal | #          | 4        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 7075     | 6.526     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 9324     | 7.267     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 31785    | 41.155    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 31785    | 90.397    | ug/l #     | 10       |
| -----                         |        |       |          |           |            |          |

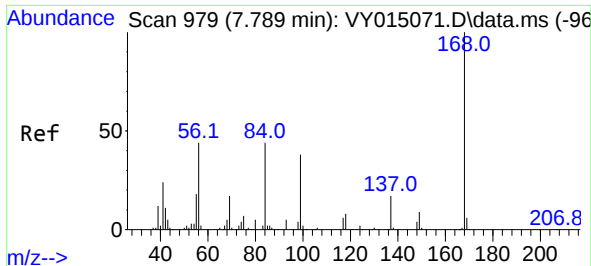
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082223\  
Data File : VY015239.D  
Acq On : 22 Aug 2023 13:06  
Operator : SY/MD  
Sample : 04086-02  
Misc : 4.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP06BRE

Quant Time: Aug 22 14:27:50 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 14 12:43:26 2023  
Response via : Initial Calibration

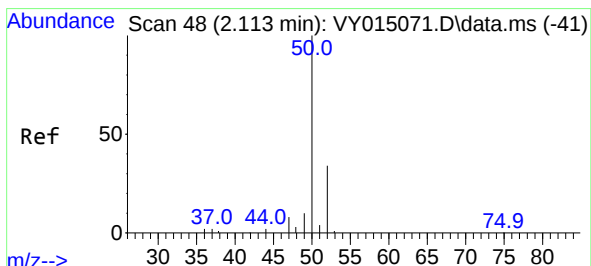
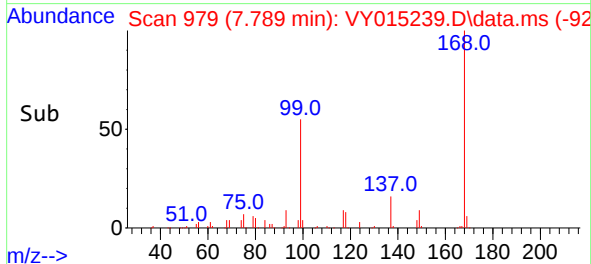
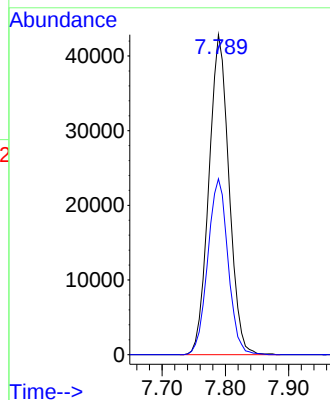
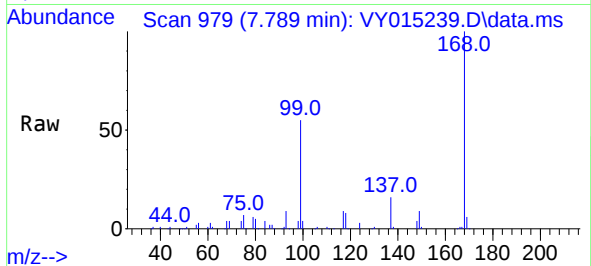




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

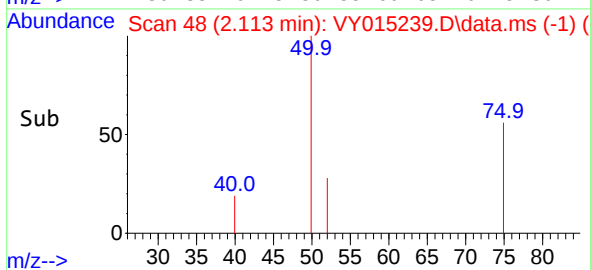
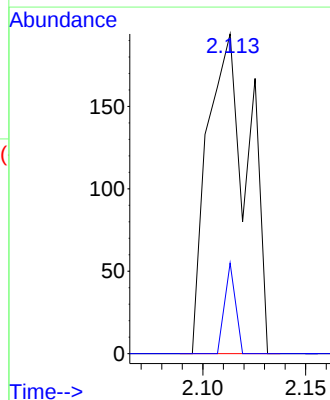
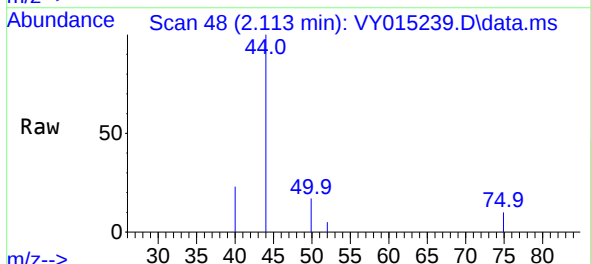
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP06BRE

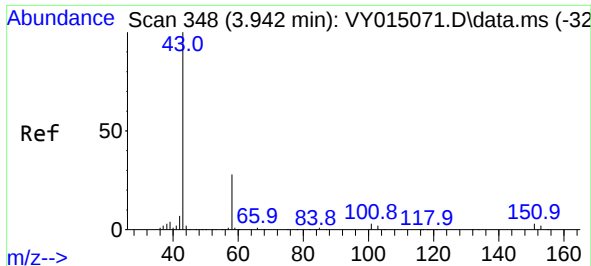
Tgt Ion:168 Resp: 94687  
Ion Ratio Lower Upper  
168 100  
99 55.0 43.4 65.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.006 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

Tgt Ion: 50 Resp: 269  
Ion Ratio Lower Upper  
50 100  
52 28.4 25.4 38.2

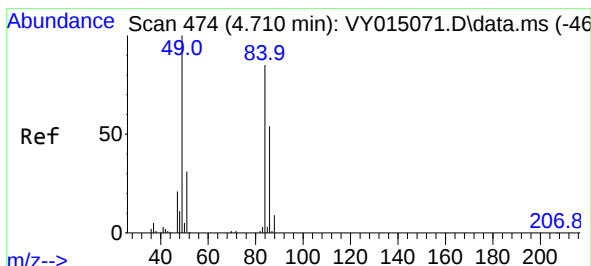
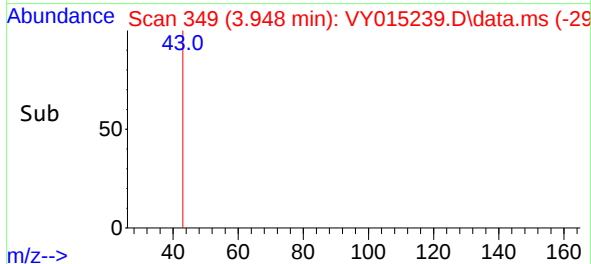
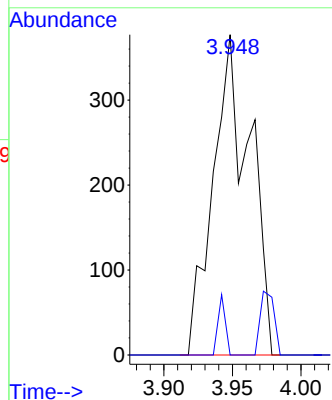
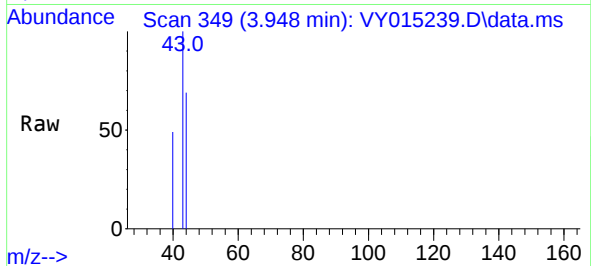




#16  
Acetone  
Concen: 1.901 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

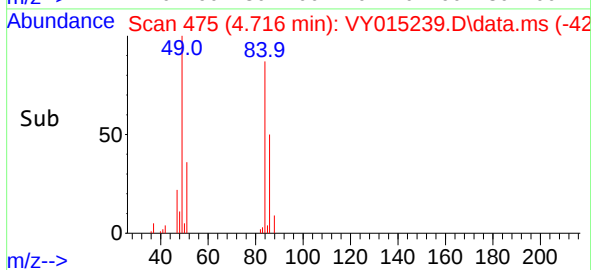
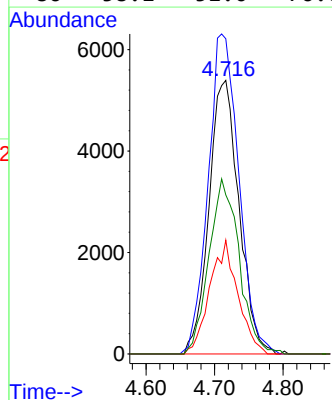
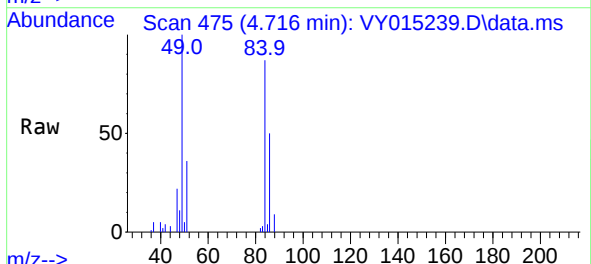
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP06BRE

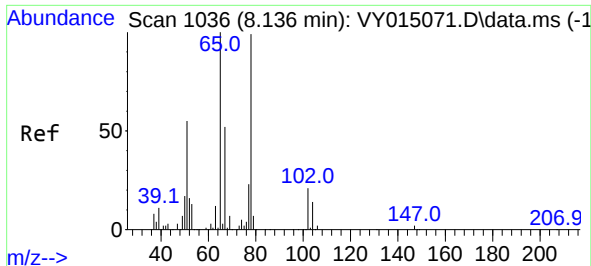
Tgt Ion: 43 Resp: 706  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.7 34.1#



#20  
Methylene Chloride  
Concen: 15.449 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

Tgt Ion: 84 Resp: 16412  
Ion Ratio Lower Upper  
84 100  
49 115.2 106.9 160.3  
51 41.6 33.2 49.8  
86 58.1 51.0 76.6

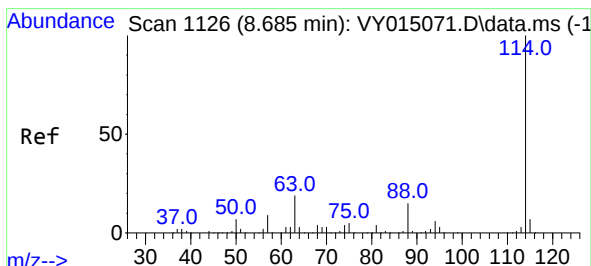
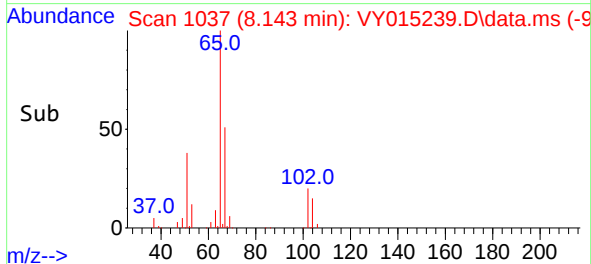
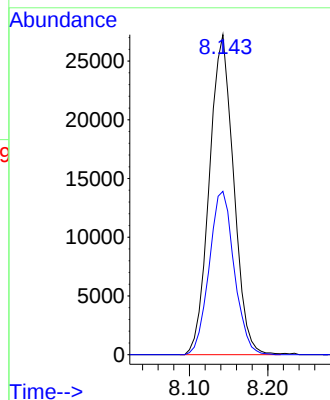
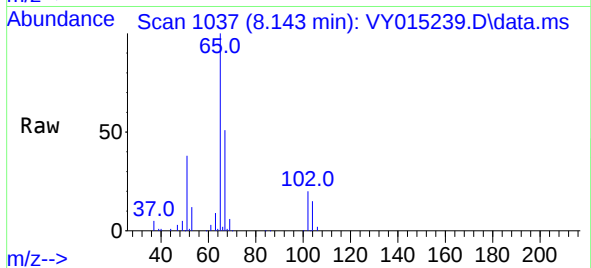




#33  
1,2-Dichloroethane-d4  
Concen: 51.576 ug/l  
RT: 8.143 min Scan# 1036  
Delta R.T. 0.006 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

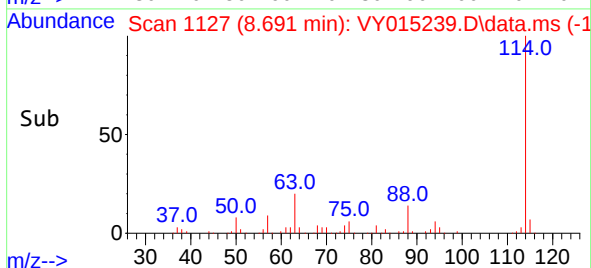
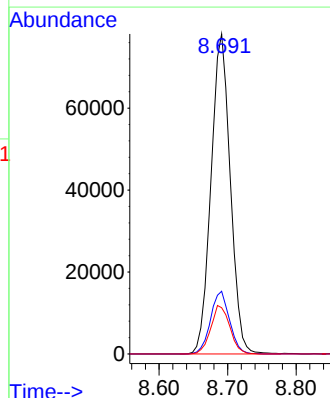
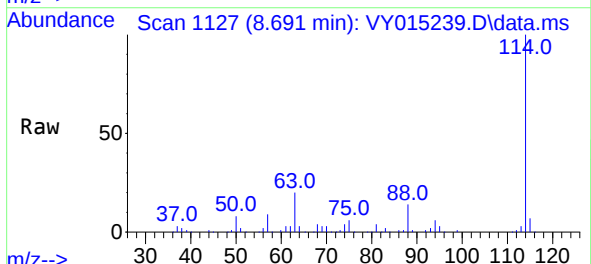
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP06BRE

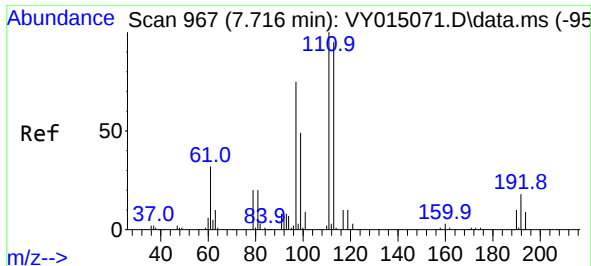
Tgt Ion: 65 Resp: 58623  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

Tgt Ion: 114 Resp: 152324  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 42.4  
88 14.5 0.0 30.6

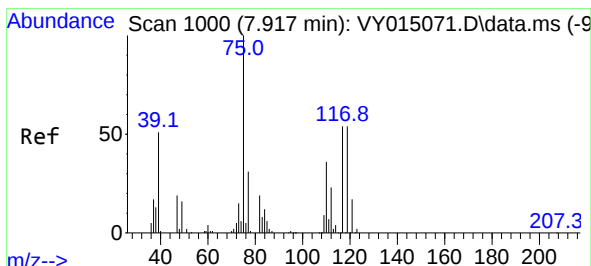
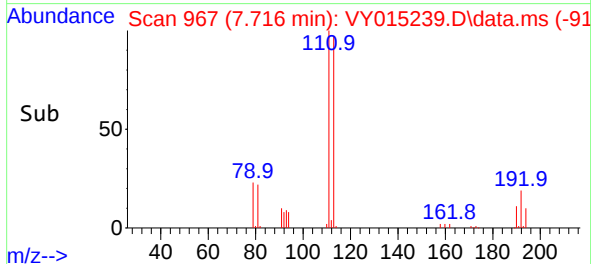
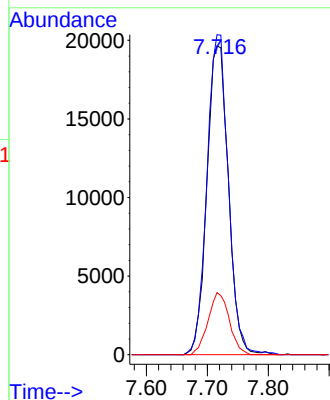
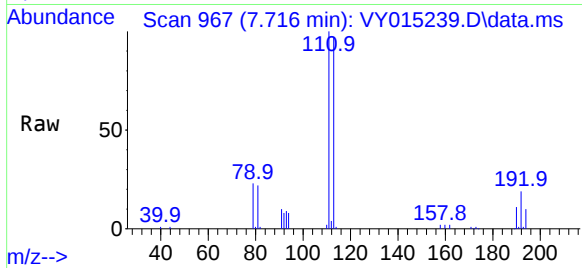




#35  
Dibromofluoromethane  
Concen: 49.267 ug/l  
RT: 7.716 min Scan# 910  
Delta R.T. 0.000 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

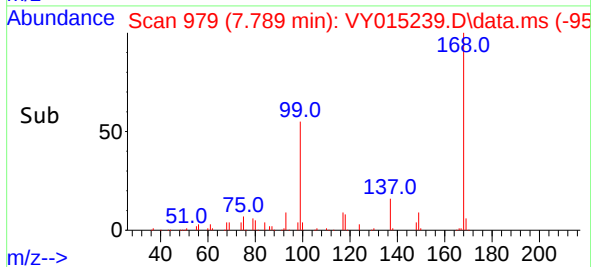
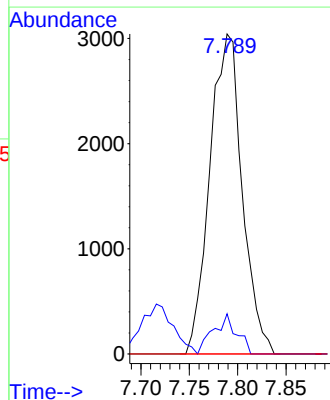
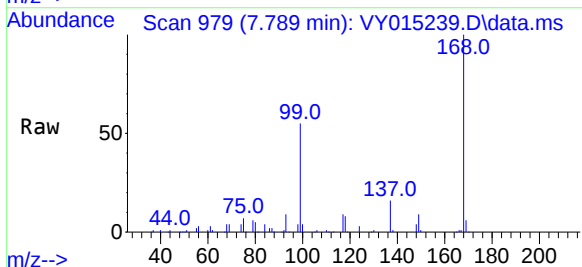
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP06BRE

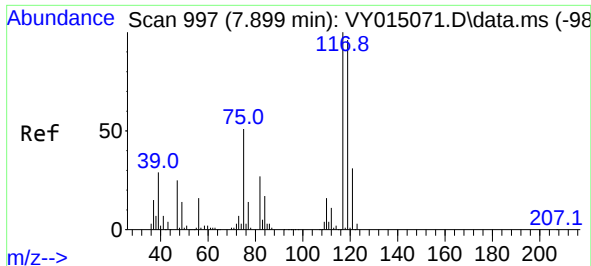
Tgt Ion:113 Resp: 48279  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.3 121.9  
192 19.8 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 6.526 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

Tgt Ion: 75 Resp: 7075  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.8 53.5#  
77 0.0 24.4 36.6#

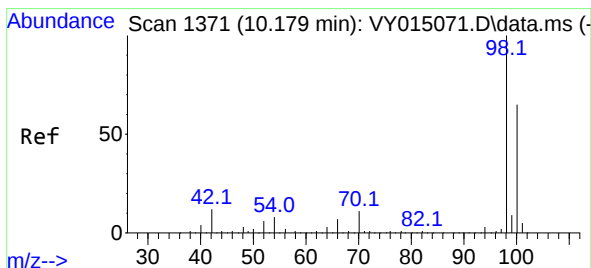
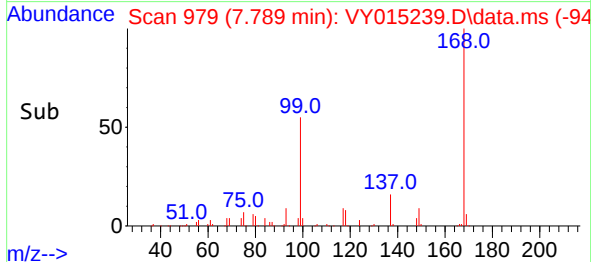
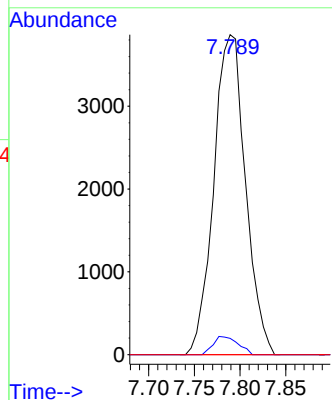
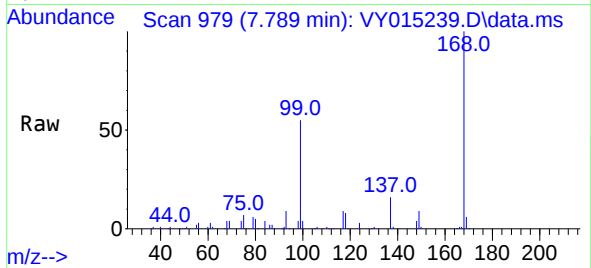




#38  
Carbon Tetrachloride  
Concen: 7.267 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

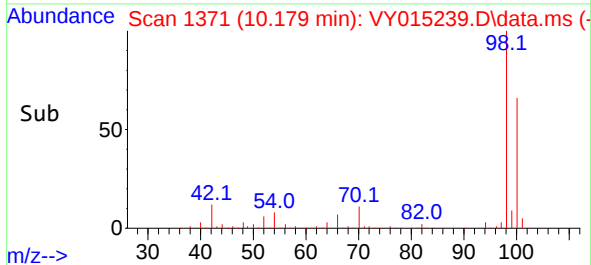
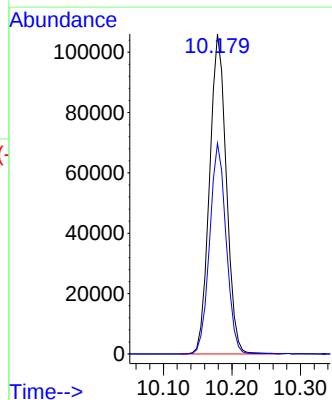
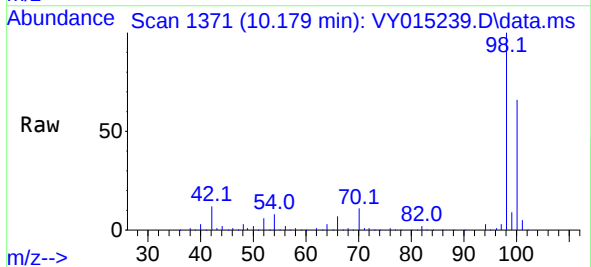
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP06BRE

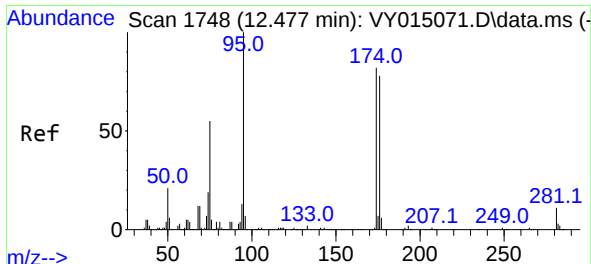
Tgt Ion:117 Resp: 9324  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 49.490 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

Tgt Ion: 98 Resp: 180538  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.1 75.1

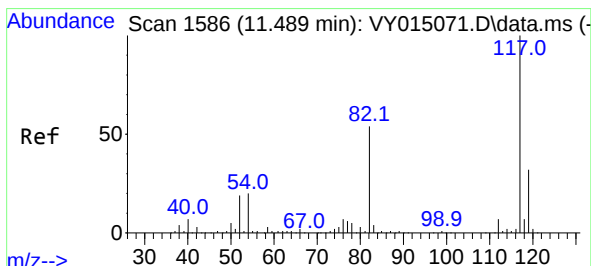
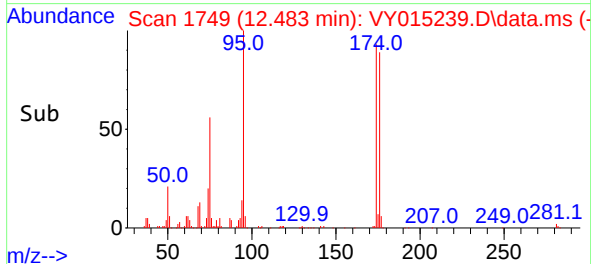
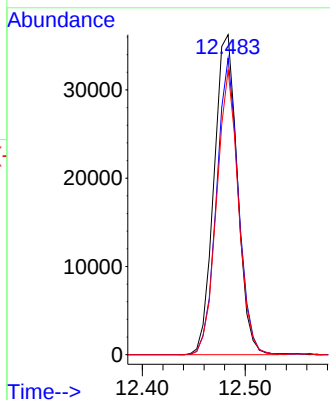
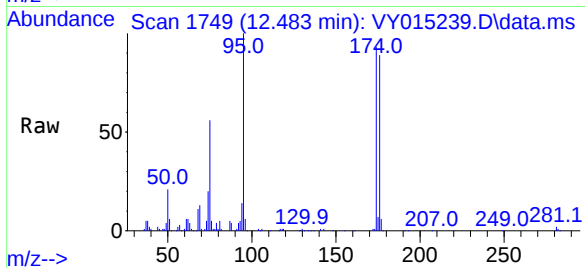




#62  
4-Bromofluorobenzene  
Concen: 42.893 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

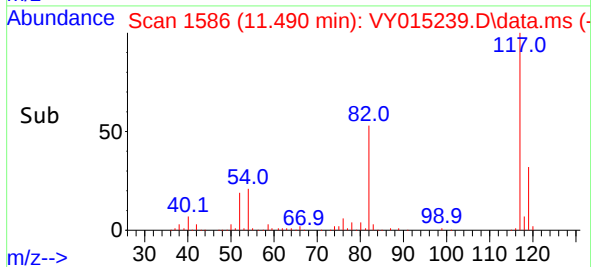
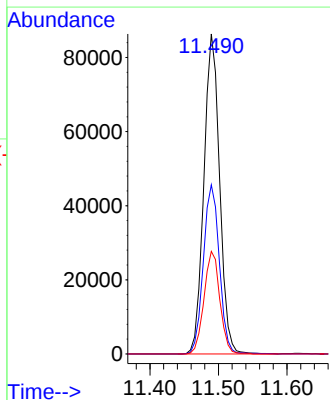
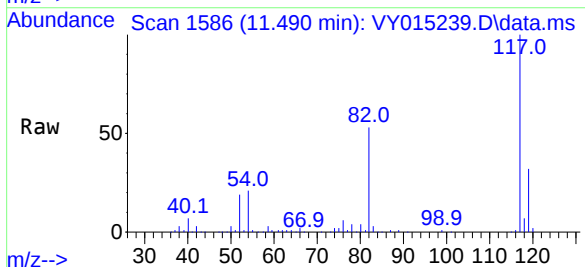
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP06BRE

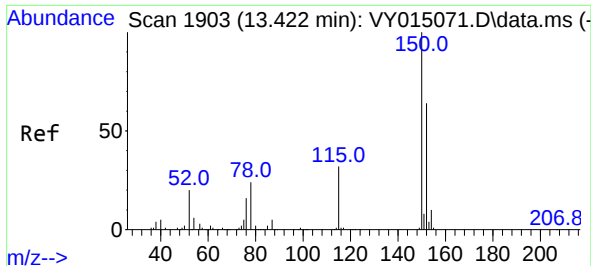
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 57151 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 86.9  | 0.0   | 178.2 |
| 176      | 82.9  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 138154 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.8  | 43.4  | 65.0   |
| 119      | 32.1  | 26.3  | 39.5   |

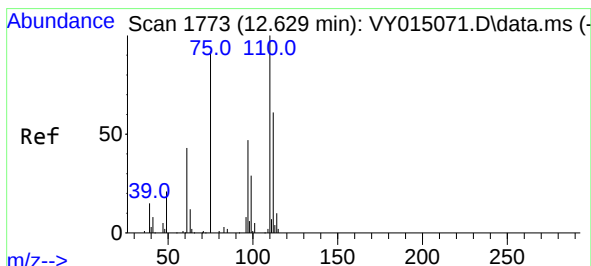
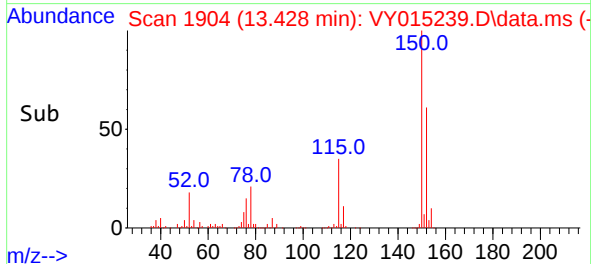
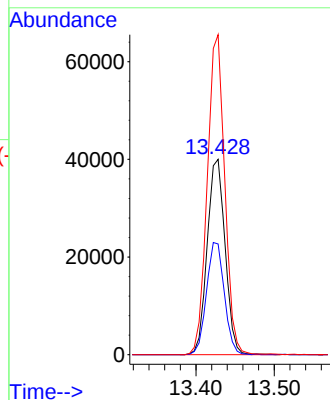
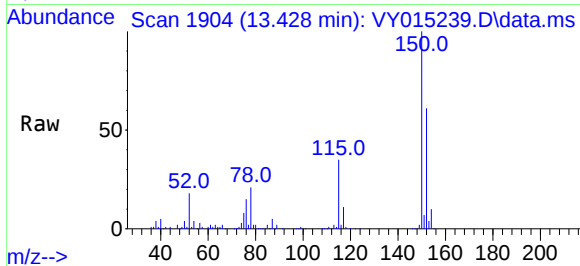




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1903  
Delta R.T. 0.006 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

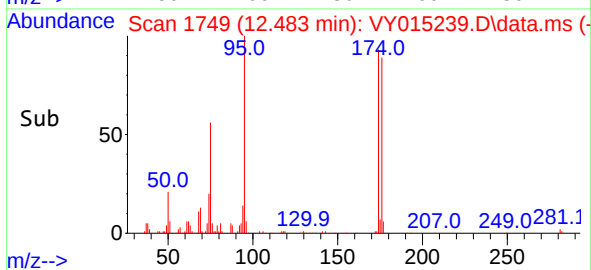
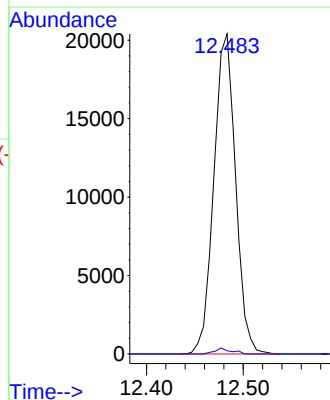
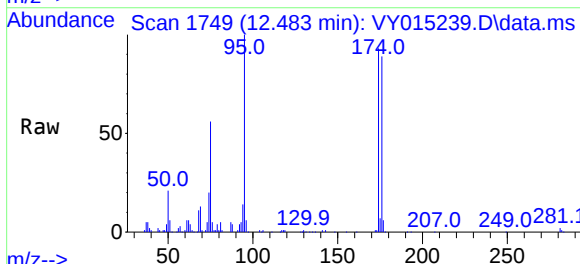
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP06BRE

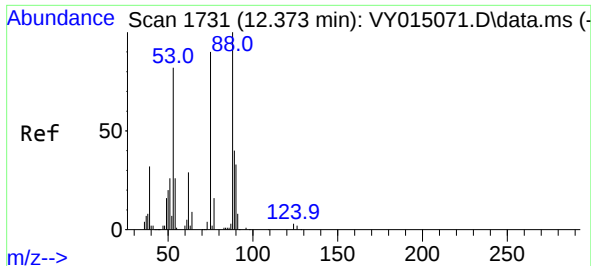
Tgt Ion:152 Resp: 63569  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.8 86.5  
150 159.4 0.0 348.8



#76  
1,2,3-Trichloropropane  
Concen: 41.155 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY015239.D  
Acq: 22 Aug 2023 13:06

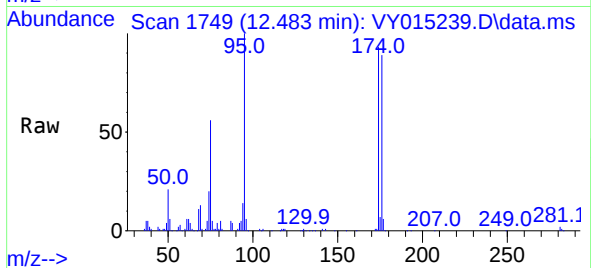
Tgt Ion: 75 Resp: 31785  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 90.397 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VY015239.D  
 Acq: 22 Aug 2023 13:06

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-PP06BRE



Tgt Ion: 75 Resp: 31785  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.0 37.4 56.0#

