

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021523\  
 Data File : VY012611.D  
 Acq On : 15 Feb 2023 13:43  
 Operator : KP/MD  
 Sample : 01552-18  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 16 00:54:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

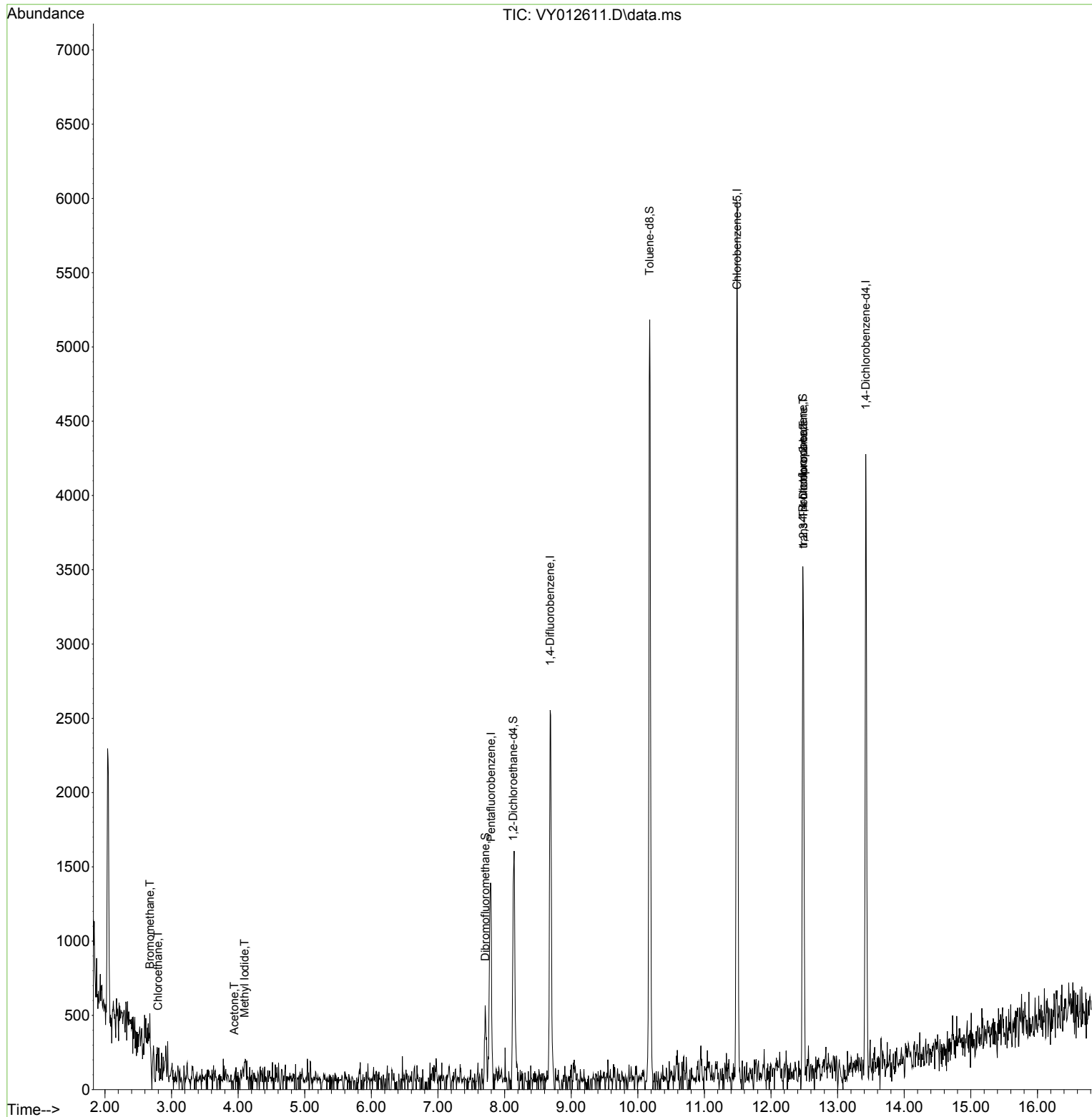
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795     | 168   | 1639     | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 3045     | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 3802     | 50.000    | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 1377     | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.130     | 65    | 1443     | 69.236    | ug/l       | -0.01    |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 138.480% |          |
| 35) Dibromofluoromethane      | 7.710     | 113   | 413      | 18.624    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 37.240%# |          |
| 50) Toluene-d8                | 10.179    | 98    | 3995     | 43.282    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 86.560%  |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 1302     | 40.441    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 80.880%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.674     | 94    | 136      | 9.365     | ug/l #     | 49       |
| 6) Chloroethane               | 2.796     | 64    | 266      | 24.020    | ug/l #     | 43       |
| 10) Methyl Iodide             | 4.094     | 142   | 250      | 11.678    | ug/l #     | 36       |
| 16) Acetone                   | 3.942     | 43    | 27       | 5.382     | ug/l #     | 41       |
| 20) Methylene Chloride        | 4.704     | 84    | 75       | Below Cal | #          | 13       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 645      | 41.926    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 645      | 94.545    | ug/l #     | 12       |
| -----                         |           |       |          |           |            |          |

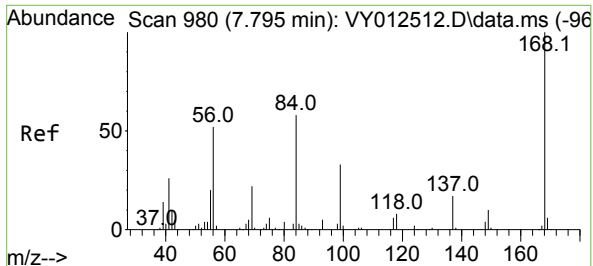
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Feb 08 01:09:03 2023  
Response via : Initial Calibration

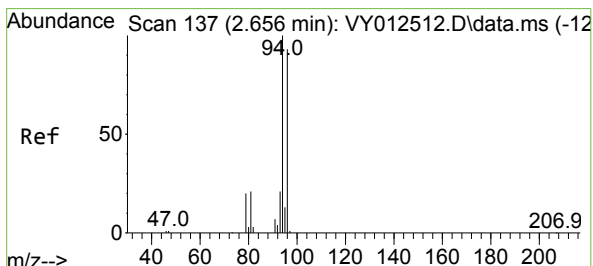
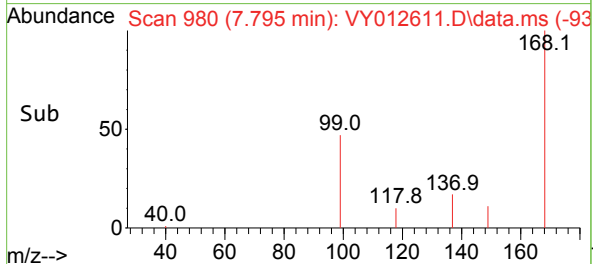
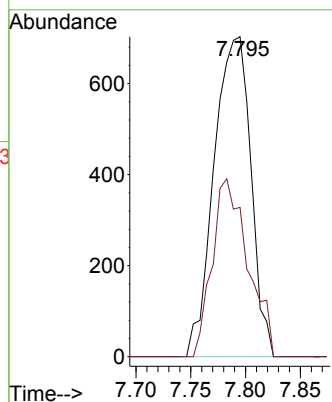
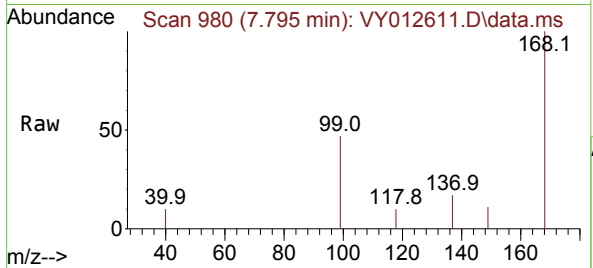




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

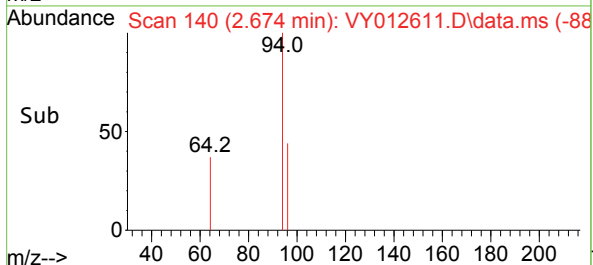
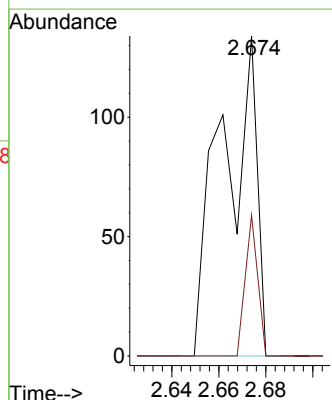
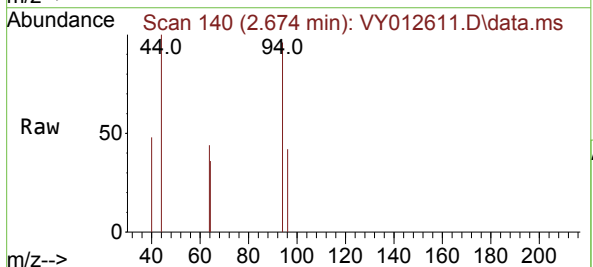
Instrument :  
MSVOA\_Y  
ClientSampleId :

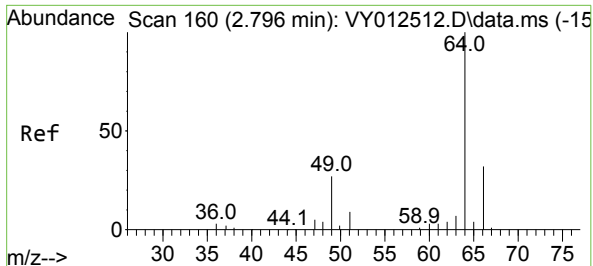
Tgt Ion:168 Resp: 1639  
Ion Ratio Lower Upper  
168 100  
99 46.7 40.8 61.2



#5  
Bromomethane  
Concen: 9.365 ug/l  
RT: 2.674 min Scan# 140  
Delta R.T. 0.018 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

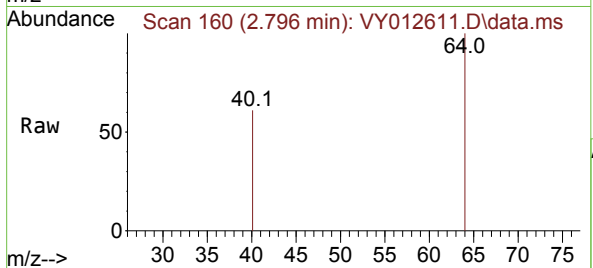
Tgt Ion: 94 Resp: 136  
Ion Ratio Lower Upper  
94 100  
96 44.0 74.7 112.1#



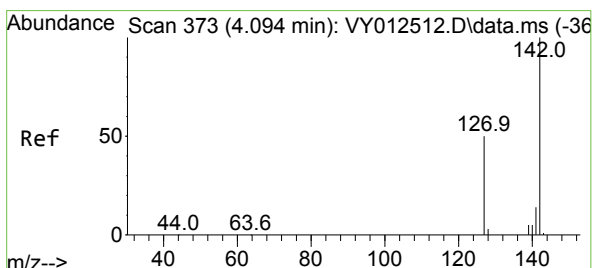
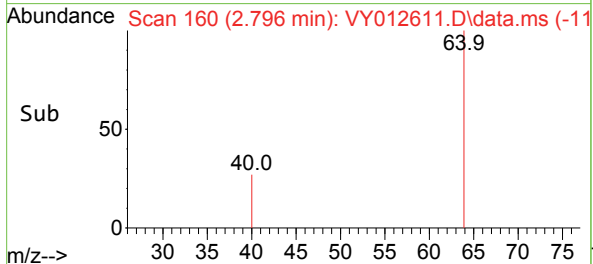
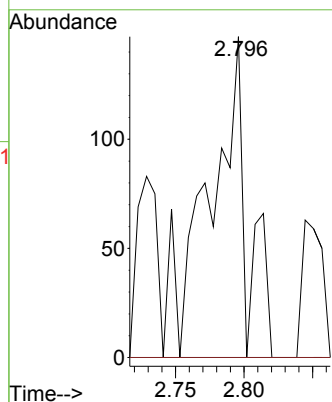


#6  
Chloroethane  
Concen: 24.020 ug/l  
RT: 2.796 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

Instrument :  
MSVOA\_Y  
ClientSampleId :

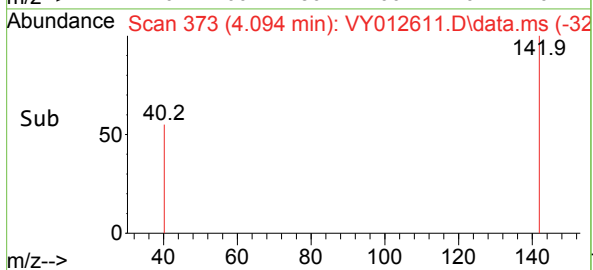
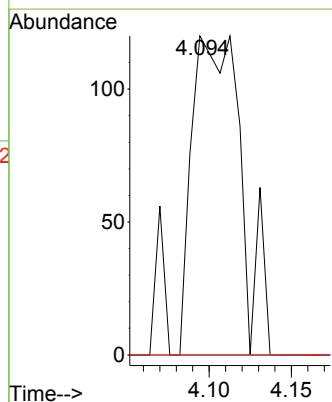
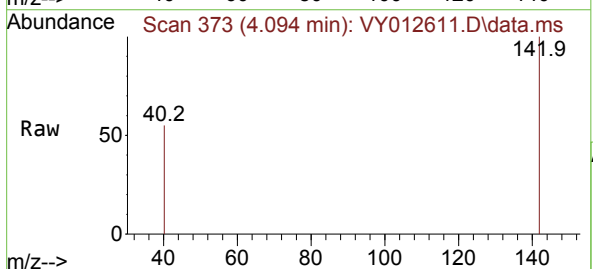


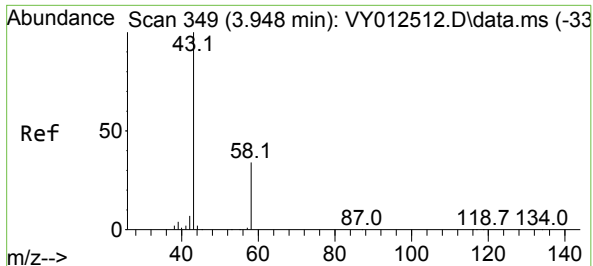
Tgt Ion: 64 Resp: 266  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.7 38.5#



#10  
Methyl Iodide  
Concen: 11.678 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.000 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

Tgt Ion:142 Resp: 250  
Ion Ratio Lower Upper  
142 100  
127 0.0 39.8 59.6#  
141 0.0 11.6 17.4#

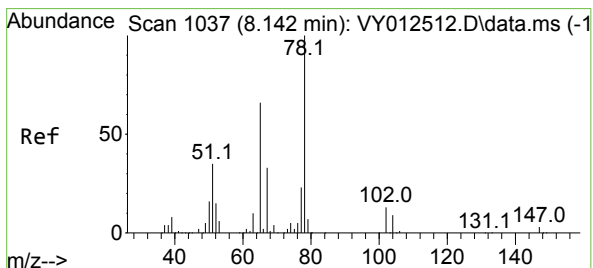
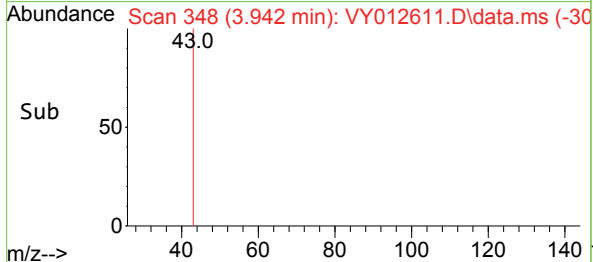
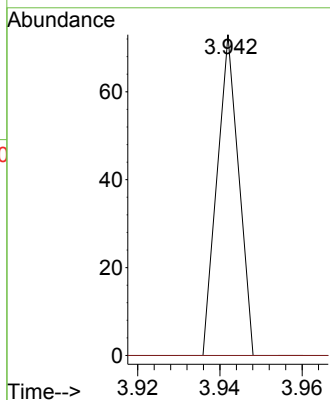
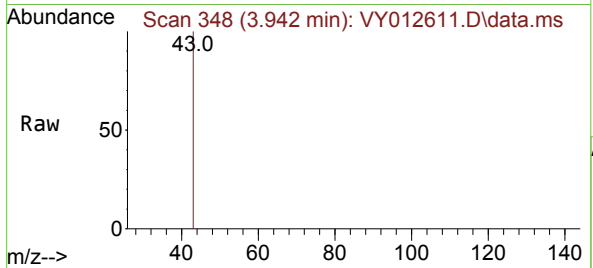




#16  
Acetone  
Concen: 5.382 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

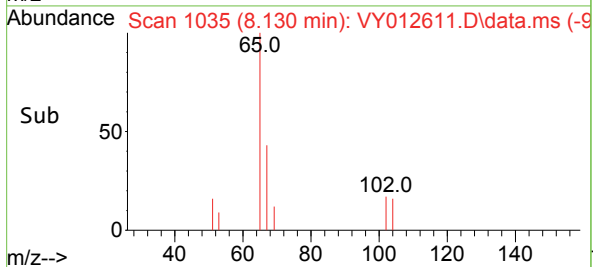
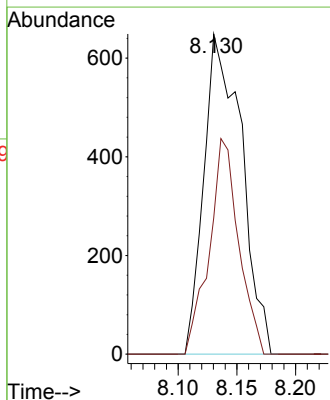
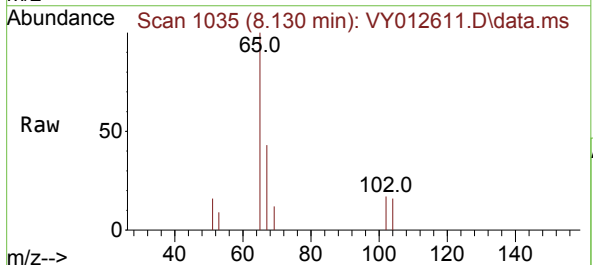
Instrument :  
MSVOA\_Y  
ClientSampleId :

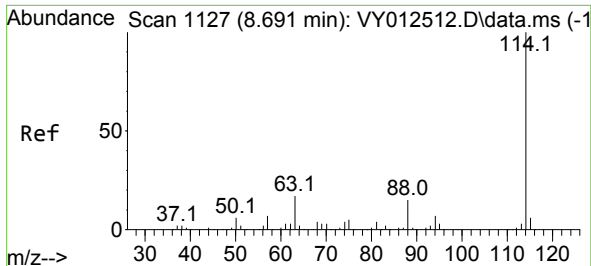
Tgt Ion: 43 Resp: 27  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.1 40.7#



#33  
1,2-Dichloroethane-d4  
Concen: 69.236 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.012 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

Tgt Ion: 65 Resp: 1443  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012611.D

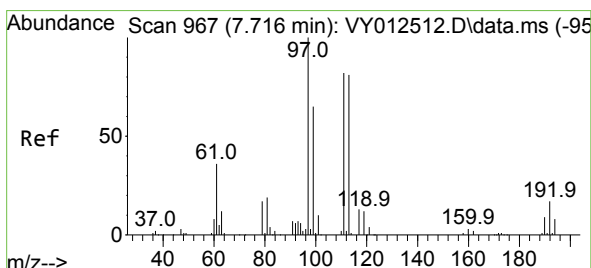
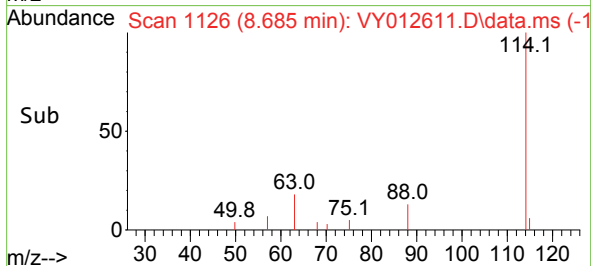
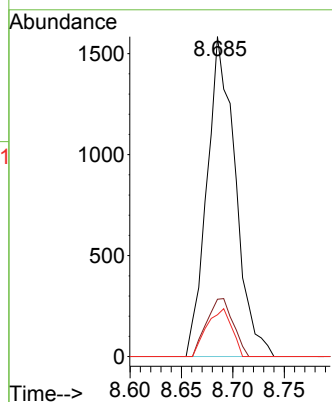
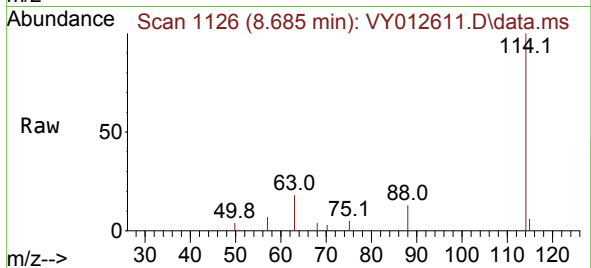
Acq: 15 Feb 2023 13:43

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 3045        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 17.9  | 0.0 33.6    |
| 88          | 13.1  | 0.0 29.8    |



#35

Dibromofluoromethane

Concen: 18.624 ug/l

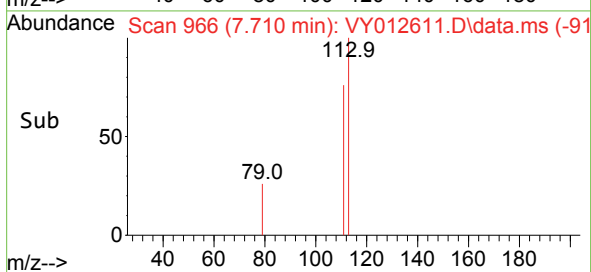
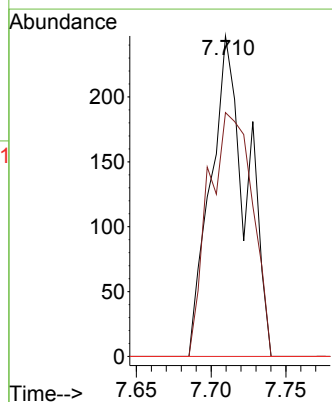
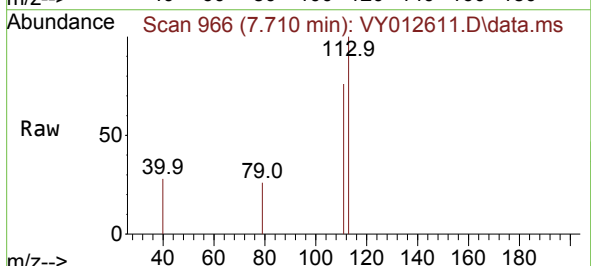
RT: 7.710 min Scan# 966

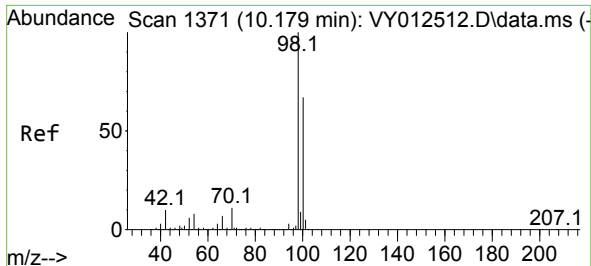
Delta R.T. -0.006 min

Lab File: VY012611.D

Acq: 15 Feb 2023 13:43

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 413         |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 92.7  | 81.9 122.9  |
| 192         | 0.0   | 17.5 26.3   |

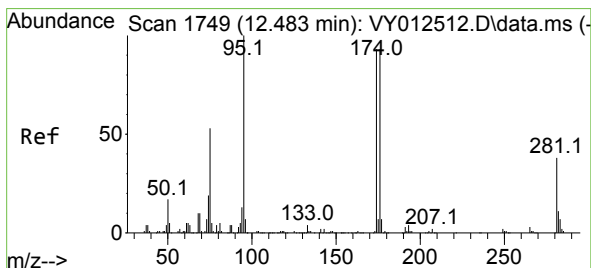
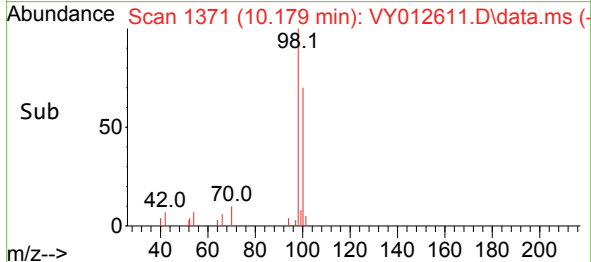
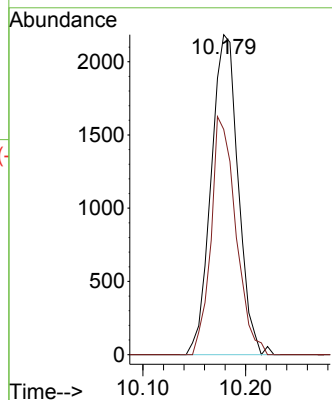
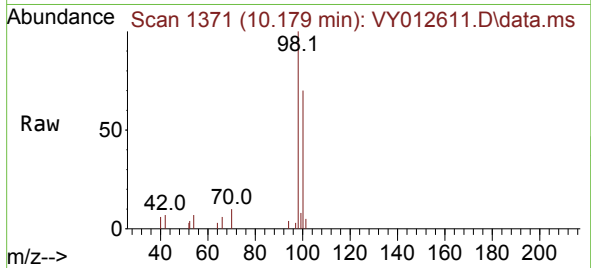




#50  
Toluene-d8  
Concen: 43.282 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

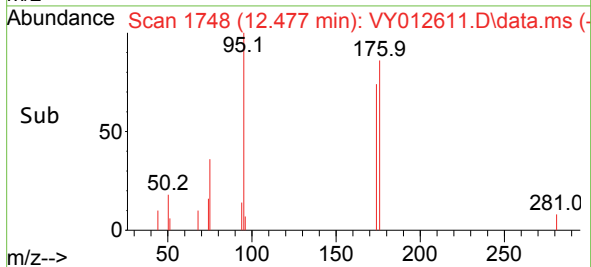
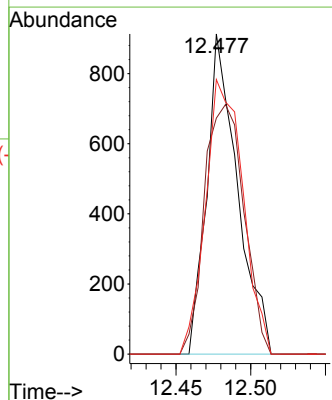
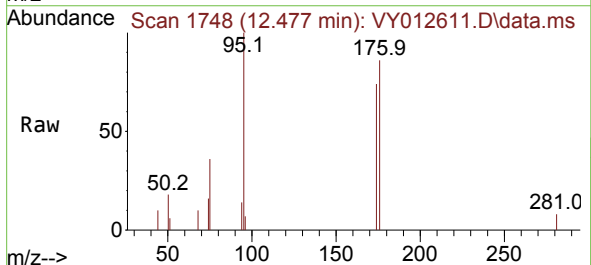
Instrument :  
MSVOA\_Y  
ClientSampleId :

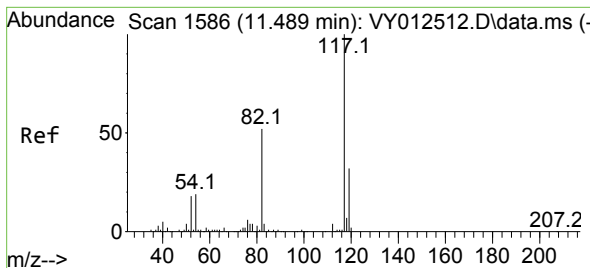
Tgt Ion: 98 Resp: 3995  
Ion Ratio Lower Upper  
98 100  
100 68.3 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 40.441 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

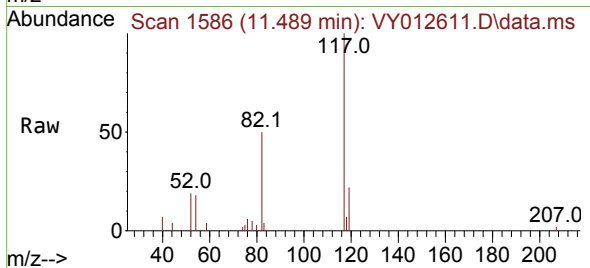
Tgt Ion: 95 Resp: 1302  
Ion Ratio Lower Upper  
95 100  
174 100.4 0.0 188.0  
176 104.1 0.0 183.6



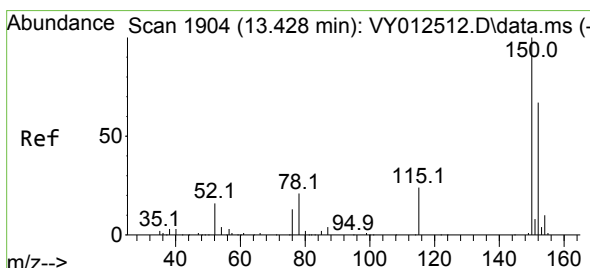
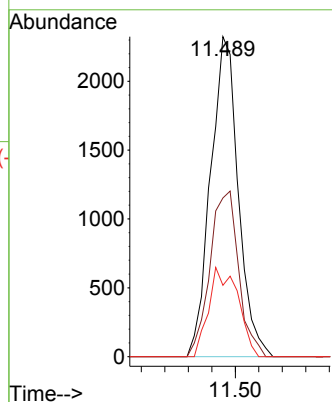
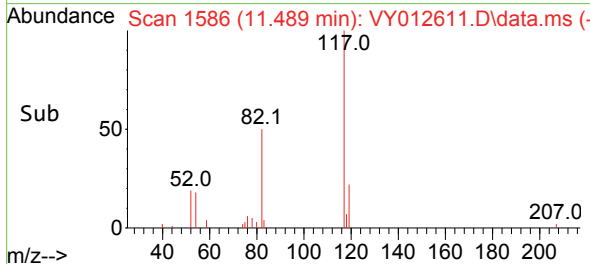


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

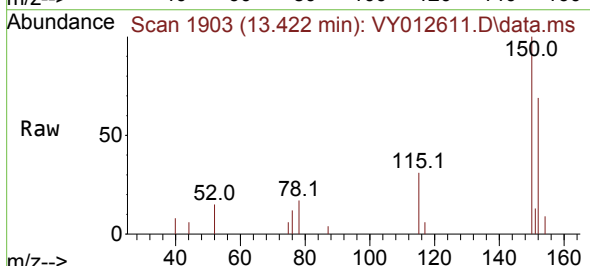
Instrument :  
MSVOA\_Y  
ClientSampleId :



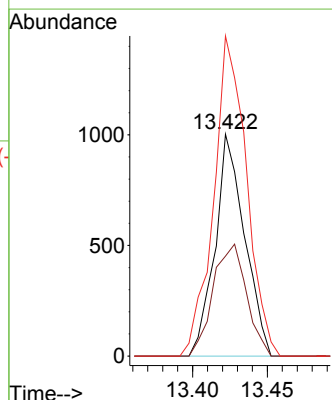
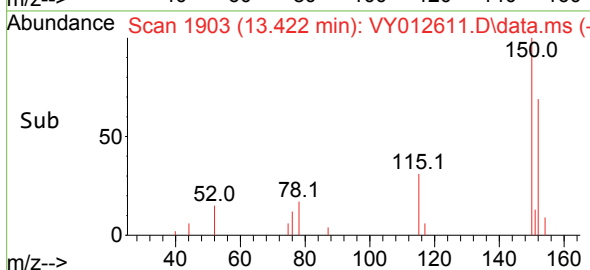
Tgt Ion:117 Resp: 3802  
Ion Ratio Lower Upper  
117 100  
82 49.6 41.7 62.5  
119 22.3 25.8 38.8#



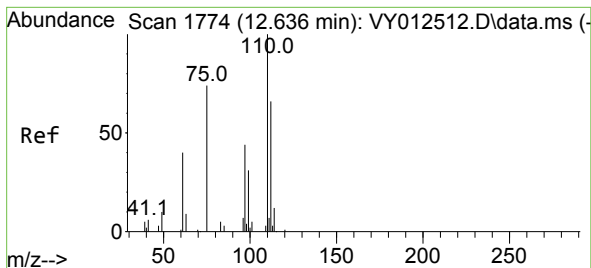
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43



Tgt Ion:152 Resp: 1377  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.1 84.3  
150 160.1 0.0 351.0



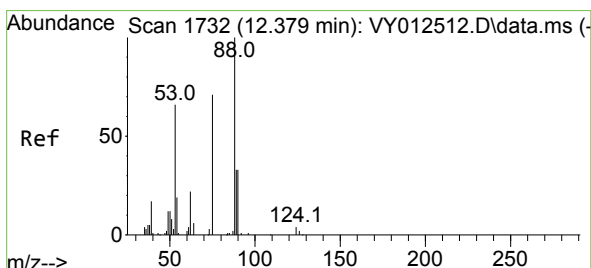
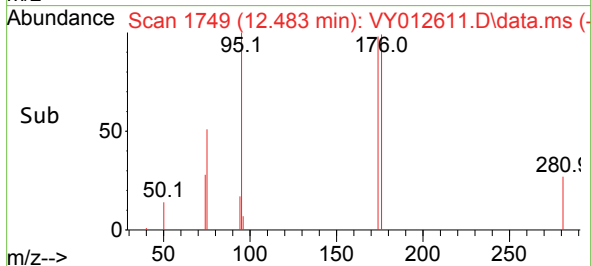
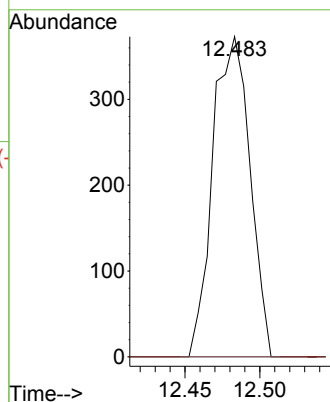
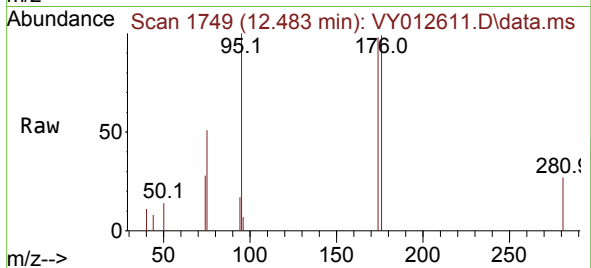




#76  
1,2,3-Trichloropropane  
Concen: 41.926 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 645  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.545 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY012611.D  
Acq: 15 Feb 2023 13:43

Tgt Ion: 75 Resp: 645  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.1 109.7#  
89 0.0 39.9 59.9#

