

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091123\  
 Data File : VY015498.D  
 Acq On : 11 Sep 2023 19:38  
 Operator : SY/MD  
 Sample : 04374-08  
 Misc : 4.90g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 12 01:22:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

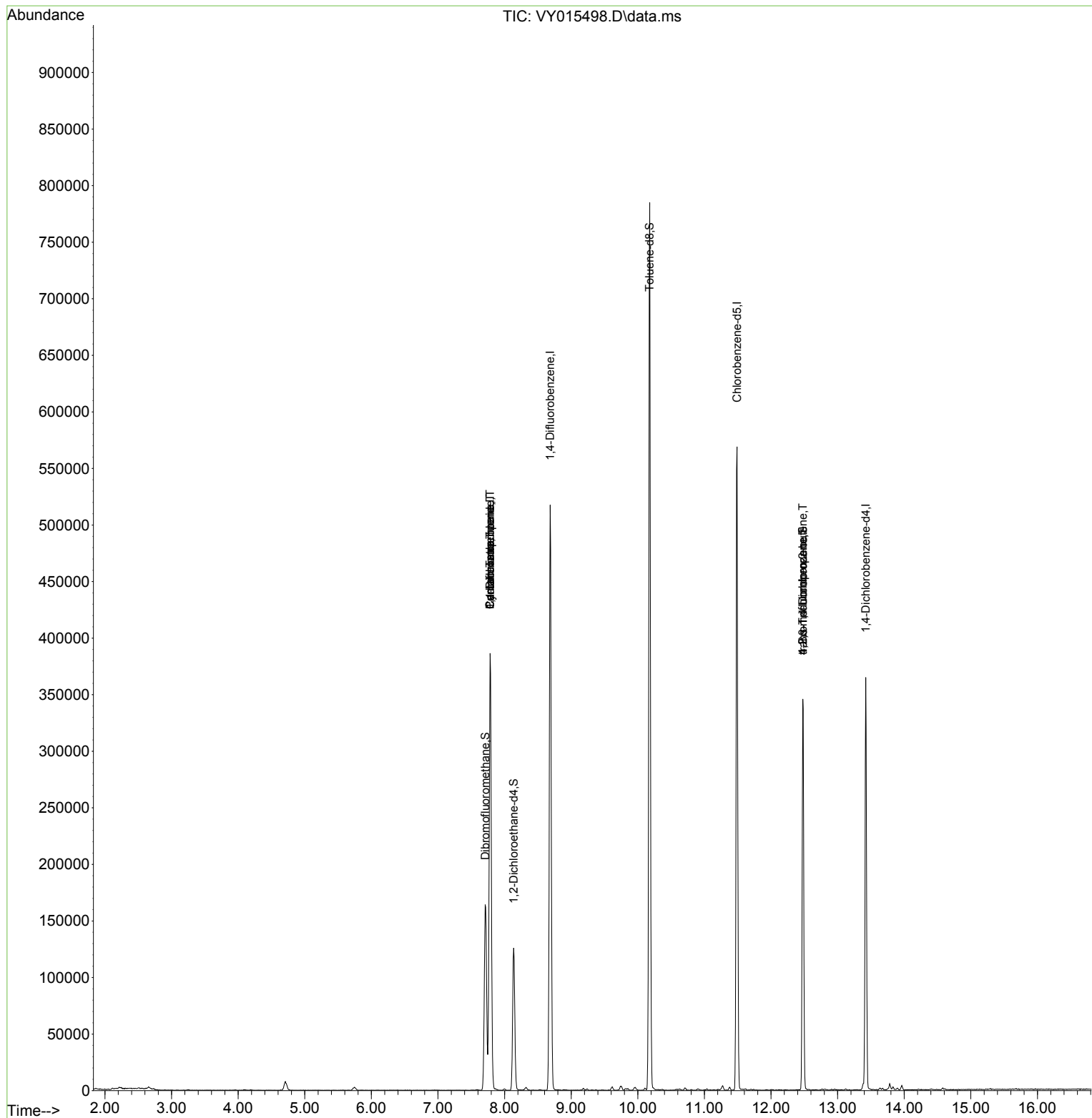
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 300966   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 445169   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 310639   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 91751    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 100975   | 31.297    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 62.600%  |
| 35) Dibromofluoromethane      | 7.710  | 113   | 117942   | 45.998    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 92.000%  |
| 50) Toluene-d8                | 10.179 | 98    | 501774   | 54.039    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 108.080% |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 105770   | 30.684    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 61.360%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 20) Methylene Chloride        | 4.710  | 84    | 5759     | Below Cal | #      | 88       |
| 31) Cyclohexane               | 7.783  | 56    | 6342     | 1.107     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 22395    | 4.974     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 29268    | 6.294     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 56175    | 46.169    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 56175    | 101.845   | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

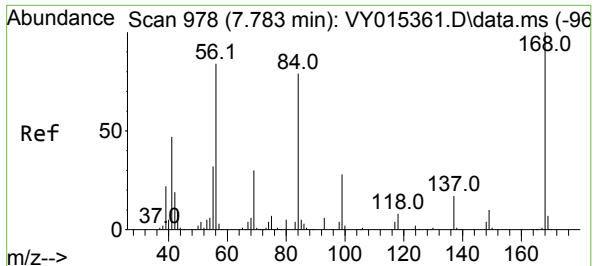
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091123\  
Data File : VY015498.D  
Acq On : 11 Sep 2023 19:38  
Operator : SY/MD  
Sample : 04374-08  
Misc : 4.90g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

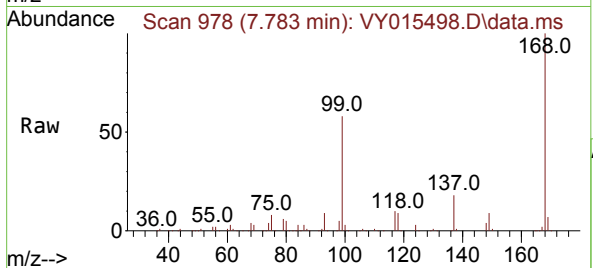
Quant Time: Sep 12 01:22:11 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration



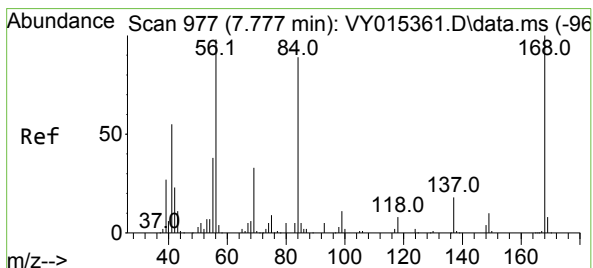
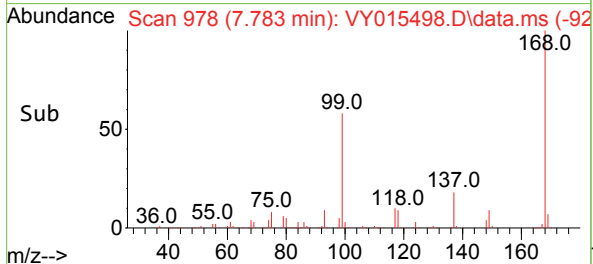
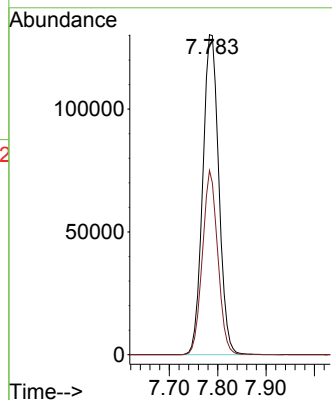


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015498.D  
Acq: 11 Sep 2023 19:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

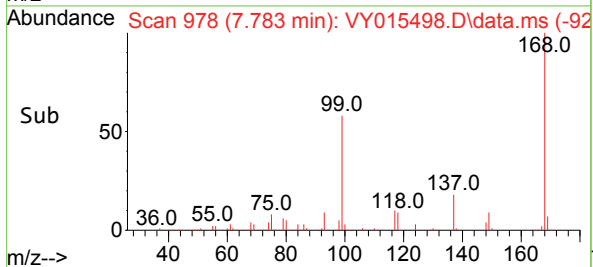
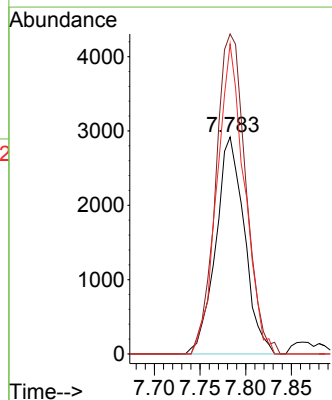
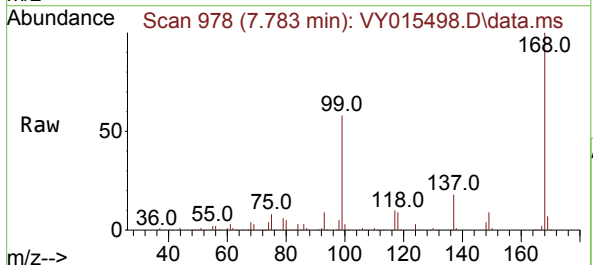


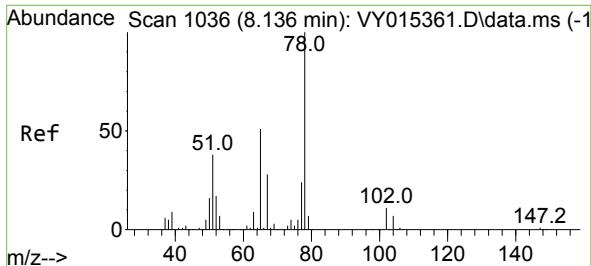
Tgt Ion:168 Resp: 300966  
Ion Ratio Lower Upper  
168 100  
99 57.6 43.4 65.0



#31  
Cyclohexane  
Concen: 1.107 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY015498.D  
Acq: 11 Sep 2023 19:38

Tgt Ion: 56 Resp: 6342  
Ion Ratio Lower Upper  
56 100  
69 147.5 27.8 41.6#  
84 142.9 66.4 99.6#

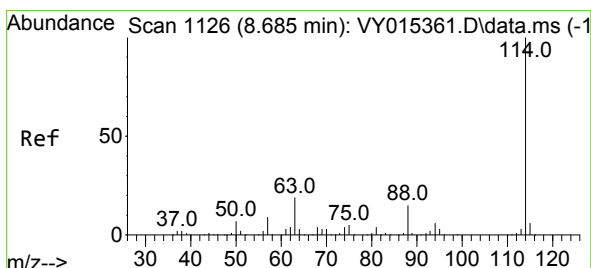
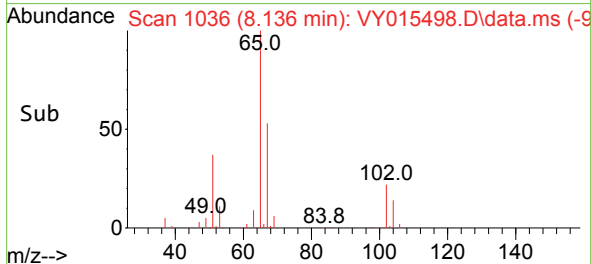
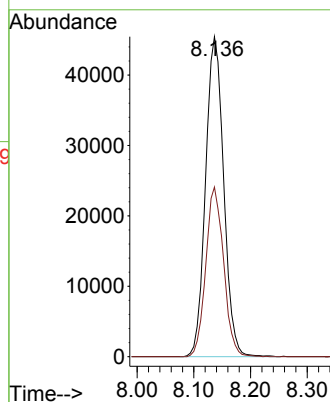
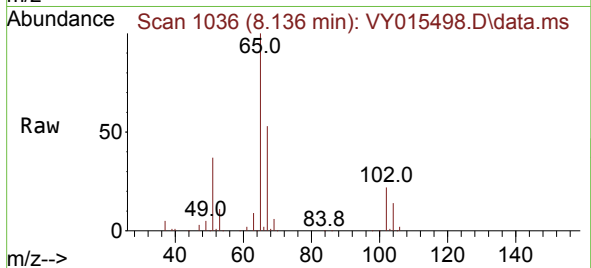




#33  
 1,2-Dichloroethane-d4  
 Concen: 31.297 ug/l  
 RT: 8.136 min Scan# 1036  
 Delta R.T. -0.000 min  
 Lab File: VY015498.D  
 Acq: 11 Sep 2023 19:38

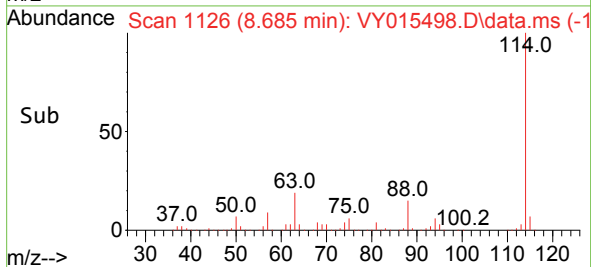
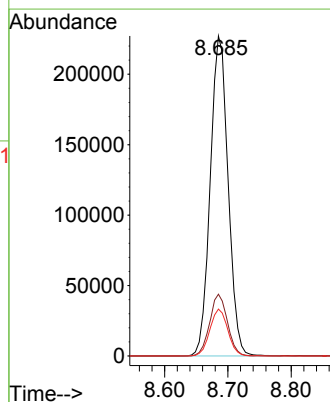
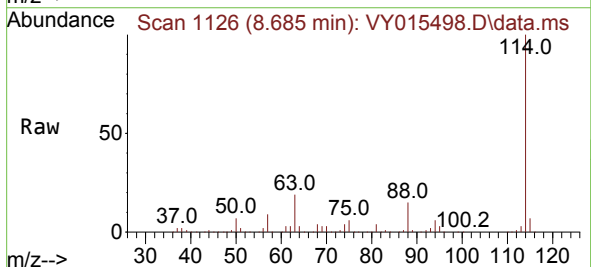
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

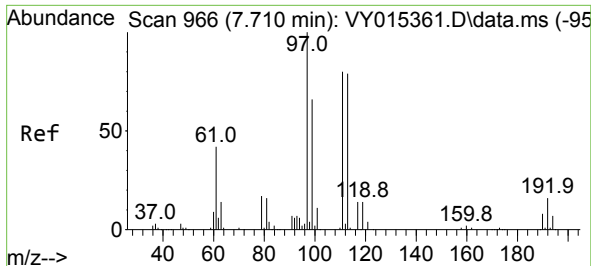
Tgt Ion: 65 Resp: 100975  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. -0.000 min  
 Lab File: VY015498.D  
 Acq: 11 Sep 2023 19:38

Tgt Ion: 114 Resp: 445169  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 42.4  
 88 14.6 0.0 30.6

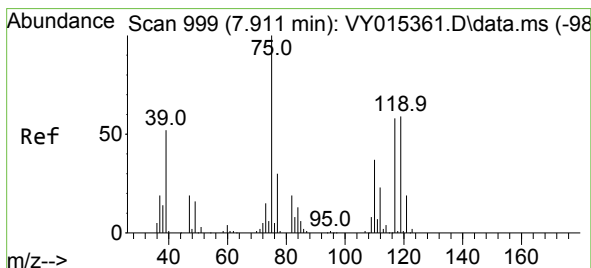
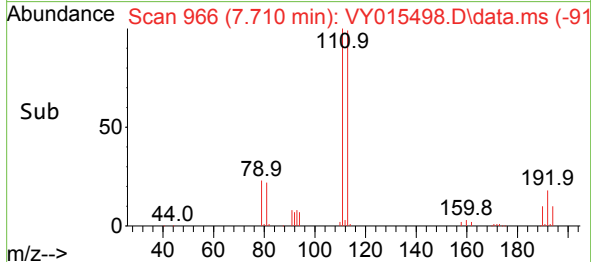
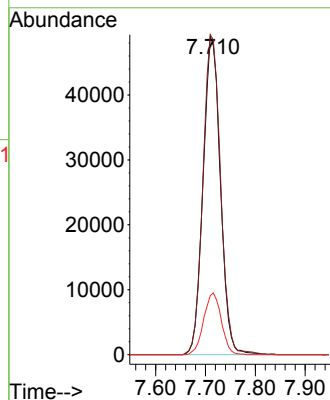
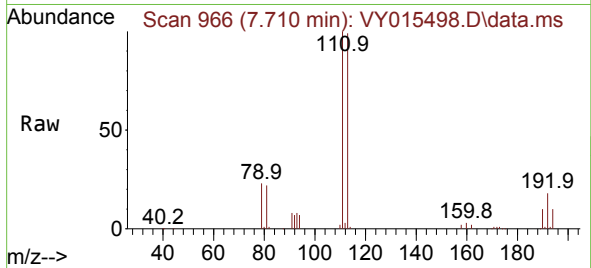




#35  
Dibromofluoromethane  
Concen: 45.998 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY015498.D  
Acq: 11 Sep 2023 19:38

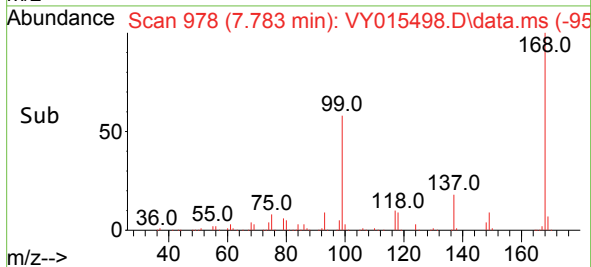
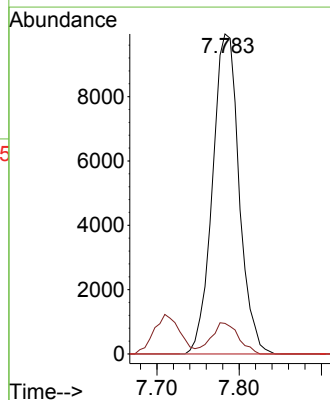
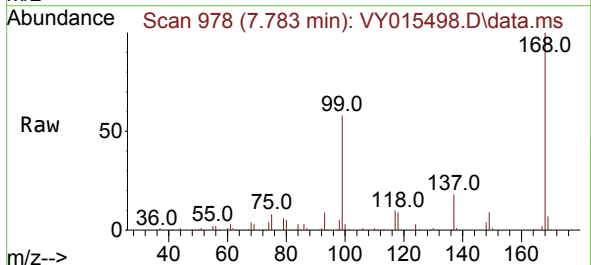
Instrument :  
MSVOA\_Y  
ClientSampleId :

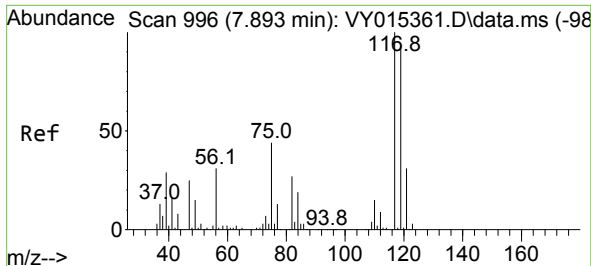
Tgt Ion:113 Resp: 117942  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.3 121.9  
192 19.8 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.974 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY015498.D  
Acq: 11 Sep 2023 19:38

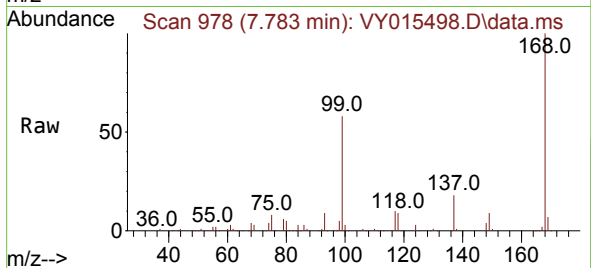
Tgt Ion: 75 Resp: 22395  
Ion Ratio Lower Upper  
75 100  
110 10.0 17.8 53.5#  
77 0.0 24.4 36.6#



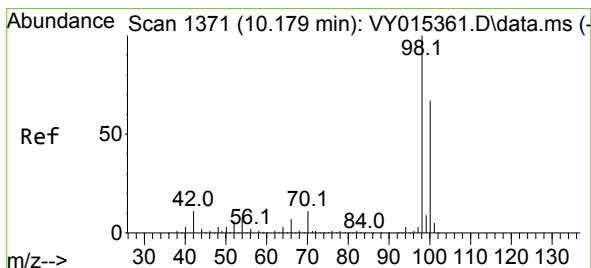
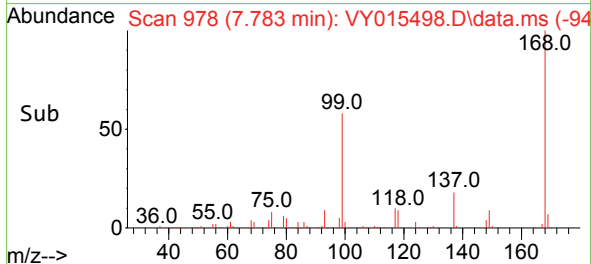
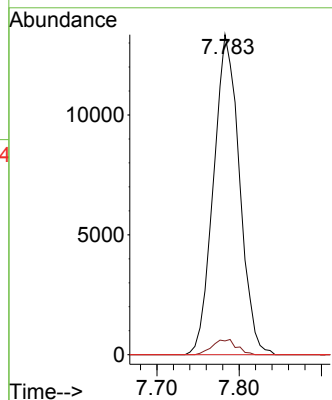


#38  
Carbon Tetrachloride  
Concen: 6.294 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY015498.D  
Acq: 11 Sep 2023 19:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

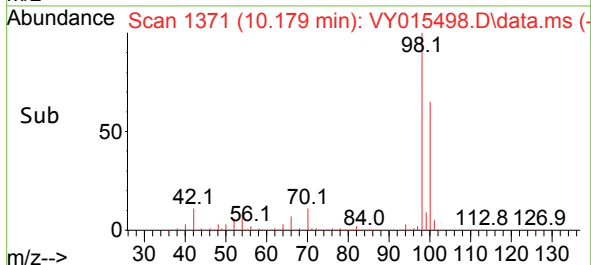
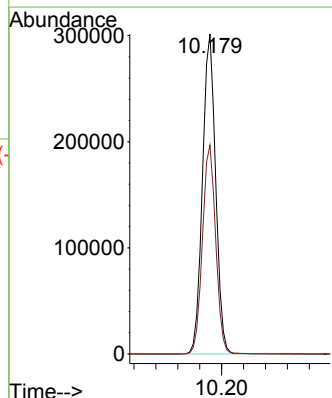
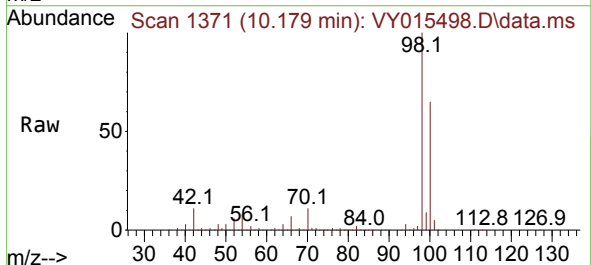


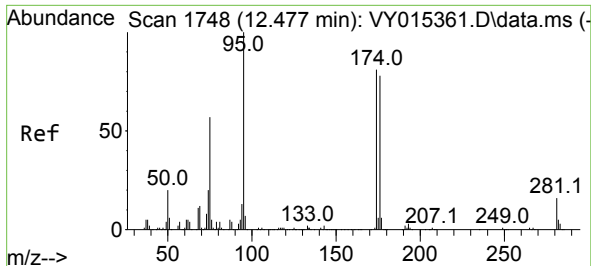
Tgt Ion:117 Resp: 29268  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 54.039 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY015498.D  
Acq: 11 Sep 2023 19:38

Tgt Ion: 98 Resp: 501774  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.1 75.1

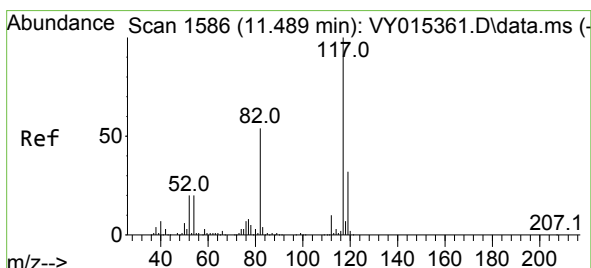
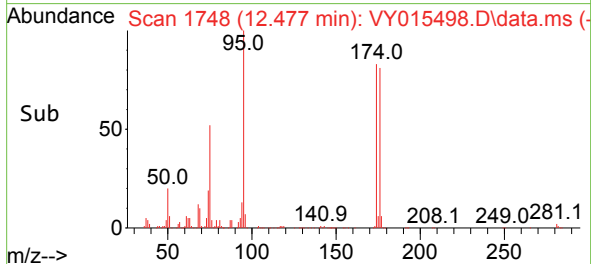
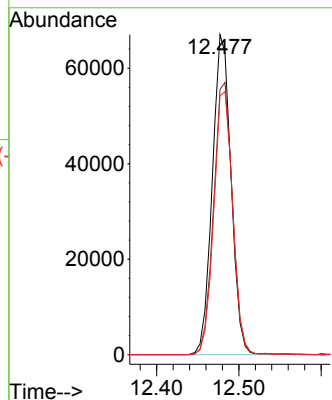
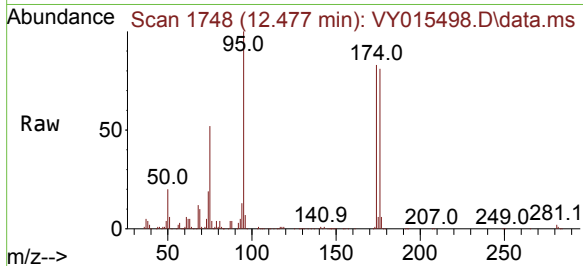




#62  
4-Bromofluorobenzene  
Concen: 30.684 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY015498.D  
Acq: 11 Sep 2023 19:38

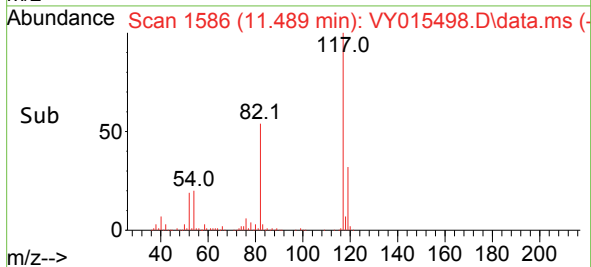
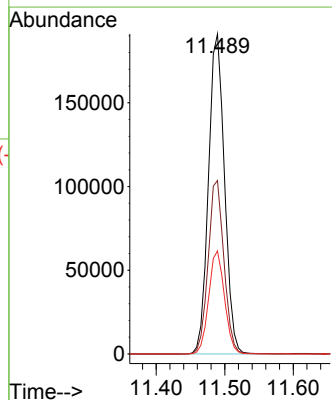
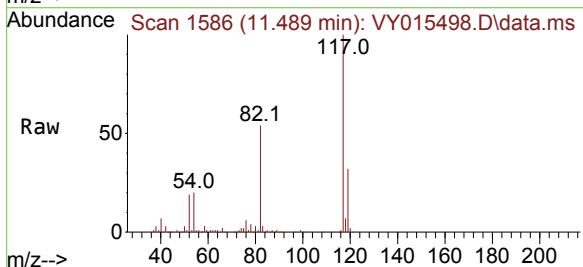
Instrument :  
MSVOA\_Y  
ClientSampleId :

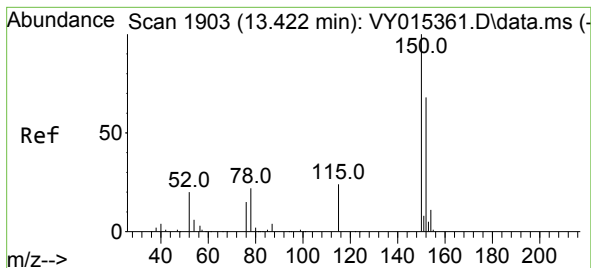
Tgt Ion: 95 Resp: 105770  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 178.2  
176 83.1 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY015498.D  
Acq: 11 Sep 2023 19:38

Tgt Ion: 117 Resp: 310639  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.4 65.0  
119 32.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015498.D

Acq: 11 Sep 2023 19:38

Instrument :

MSVOA\_Y

ClientSampleId :

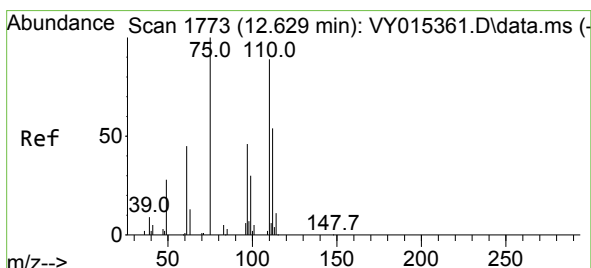
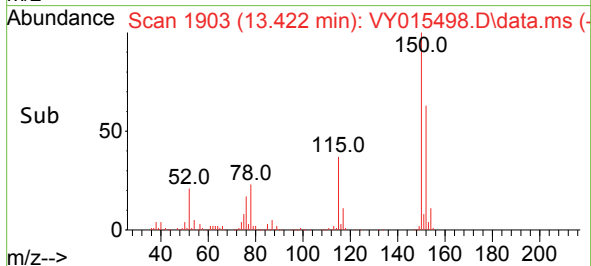
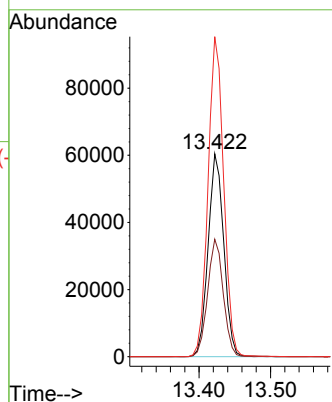
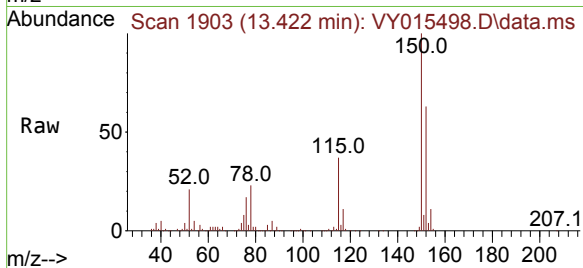
Tgt Ion:152 Resp: 91751

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 157.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 46.169 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015498.D

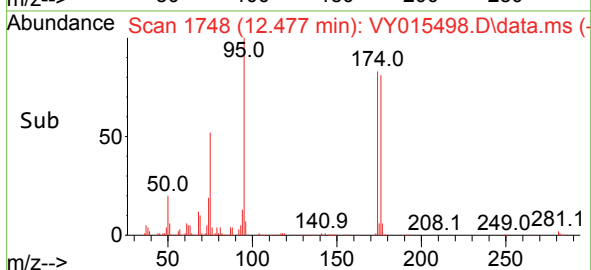
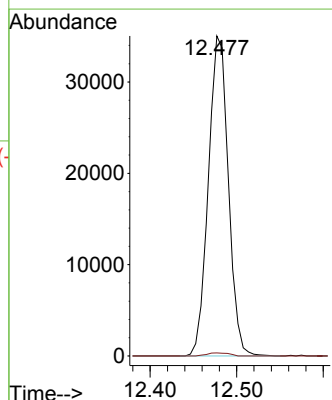
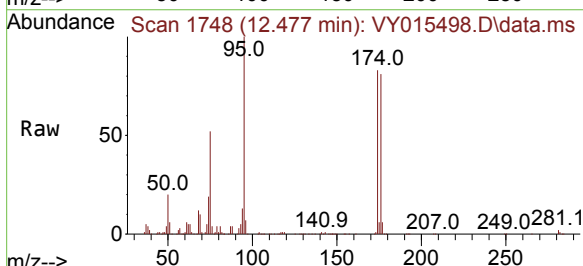
Acq: 11 Sep 2023 19:38

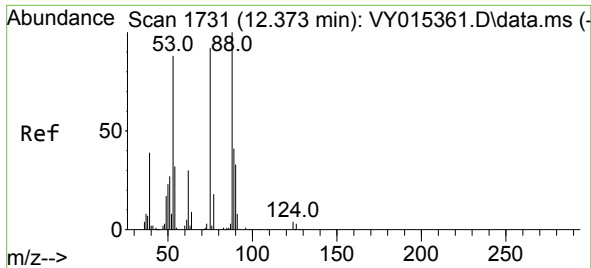
Tgt Ion: 75 Resp: 56175

Ion Ratio Lower Upper

75 100

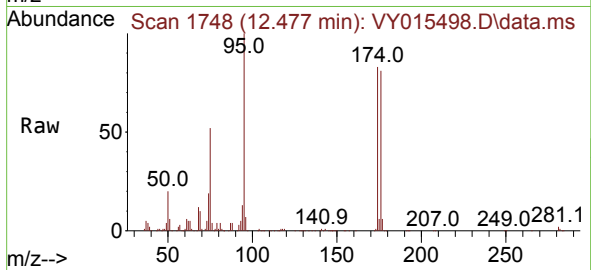
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 101.845 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY015498.D  
 Acq: 11 Sep 2023 19:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 56175  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 77.8  | 116.8# |
| 89       | 0.0   | 37.4  | 56.0#  |

