

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
 Data File : VY015826.D  
 Acq On : 04 Oct 2023 14:38  
 Operator : SY/MD  
 Sample : 04712-01RE  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 05 06:54:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

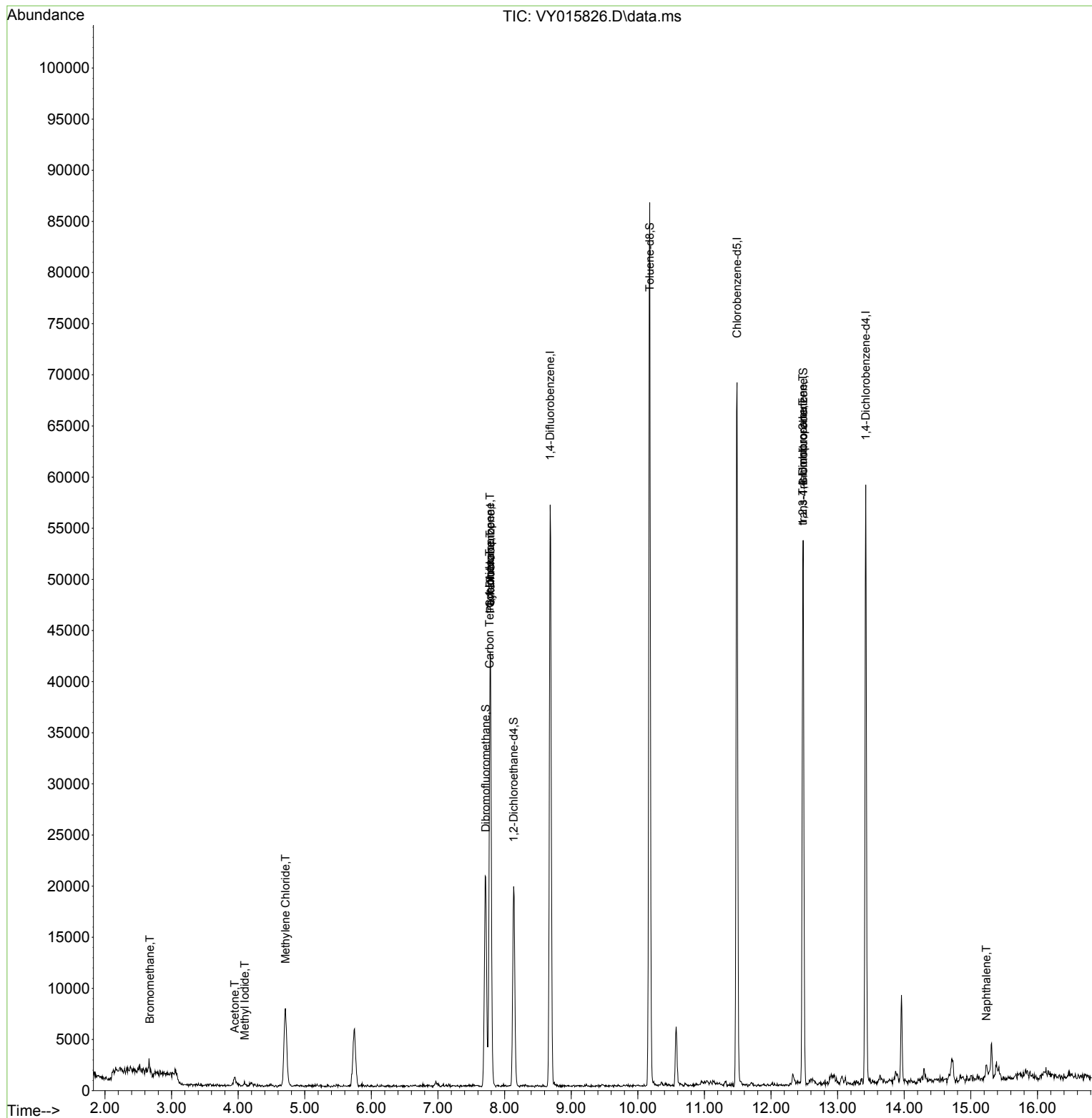
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 33769    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 49636    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 38233    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 14641    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 15584    | 41.943   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 83.880%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 14510    | 48.841   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 97.680%  |
| 50) Toluene-d8                | 10.179 | 98    | 56319    | 55.910   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 111.820% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 14409    | 36.450   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 72.900%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 2.674  | 94    | 489      | 4.017    | ug/l   | 86       |
| 10) Methyl Iodide             | 4.101  | 142   | 357      | 3.580    | ug/l # | 46       |
| 16) Acetone                   | 3.948  | 43    | 1658     | 8.338    | ug/l   | 98       |
| 20) Methylene Chloride        | 4.710  | 84    | 5812     | 9.419    | ug/l # | 81       |
| 31) Cyclohexane               | 7.783  | 56    | 694      | 1.348    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 2635     | 5.999    | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.777  | 117   | 3255     | 6.827    | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 7990     | 34.208   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 7990     | 77.033   | ug/l # | 10       |
| 95) Naphthalene               | 15.233 | 128   | 1722     | 2.125    | ug/l # | 95       |
| -----                         |        |       |          |          |        |          |

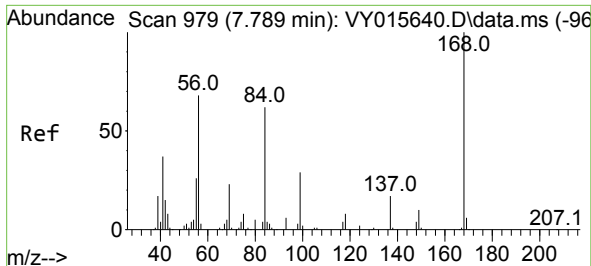
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
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Sample : 04712-01RE  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

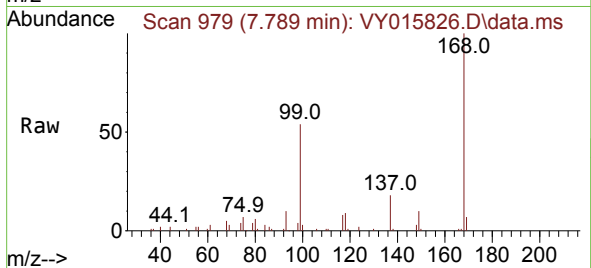
Quant Time: Oct 05 06:54:23 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 20 01:39:40 2023  
Response via : Initial Calibration



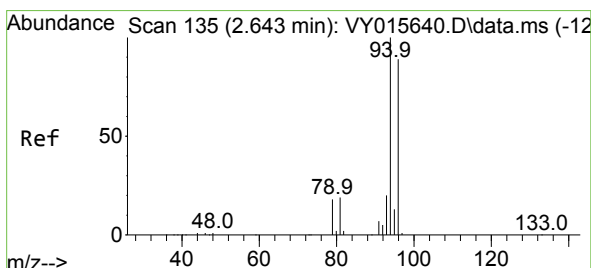
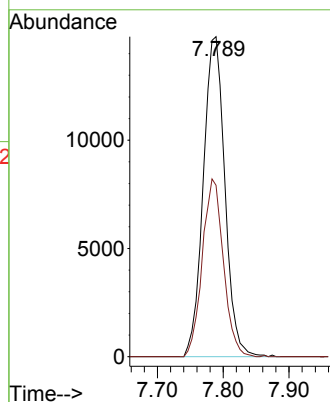
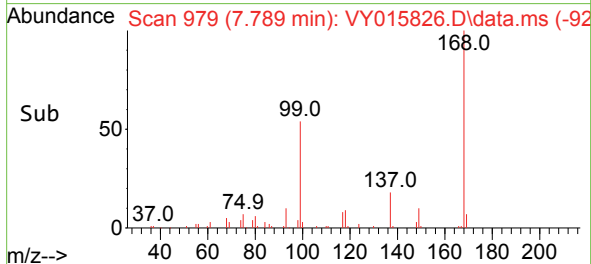


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

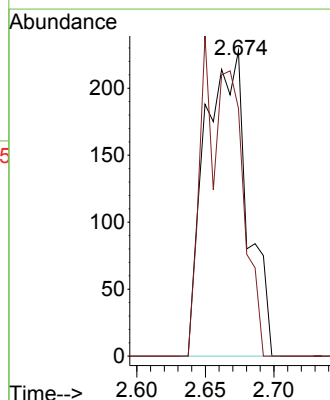
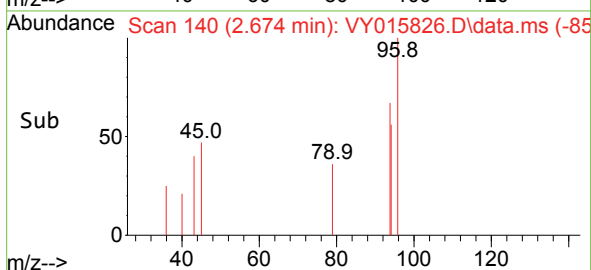
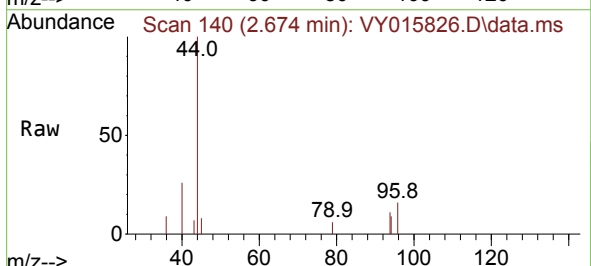


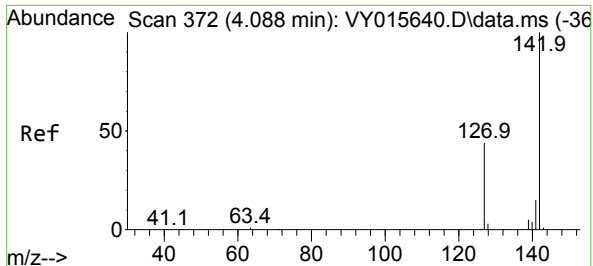
Tgt Ion:168 Resp: 33769  
Ion Ratio Lower Upper  
168 100  
99 53.5 43.4 65.0



#5  
Bromomethane  
Concen: 4.017 ug/l  
RT: 2.674 min Scan# 140  
Delta R.T. 0.037 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

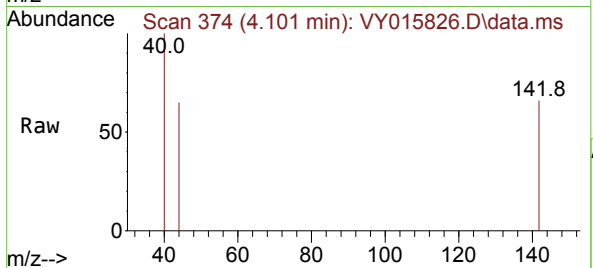
Tgt Ion: 94 Resp: 489  
Ion Ratio Lower Upper  
94 100  
96 81.1 75.8 113.6



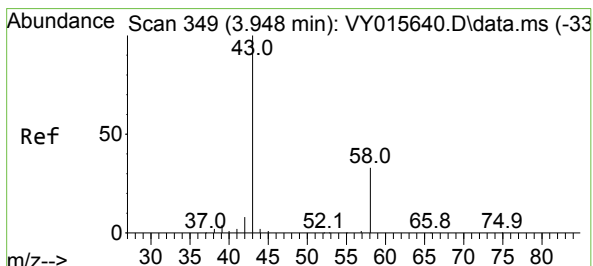
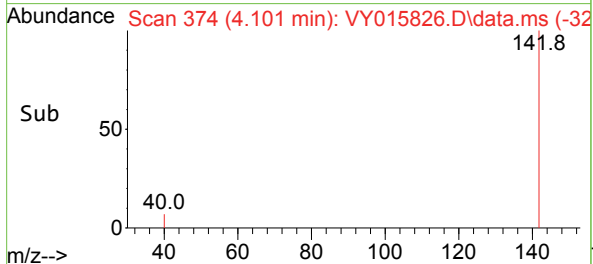
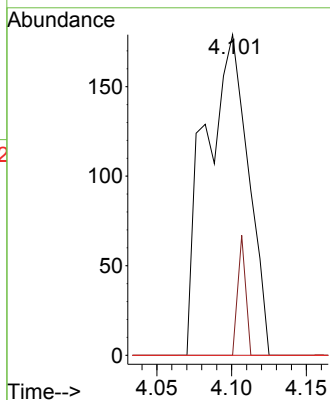


#10  
Methyl Iodide  
Concen: 3.580 ug/l  
RT: 4.101 min Scan# 31  
Delta R.T. 0.019 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

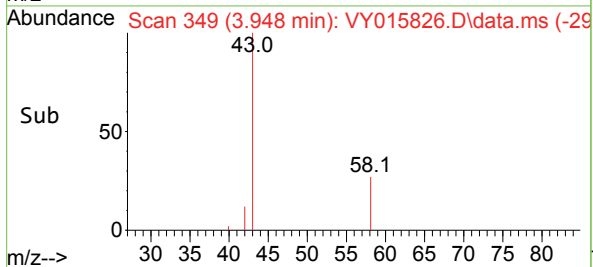
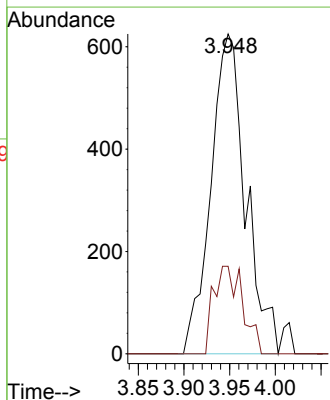
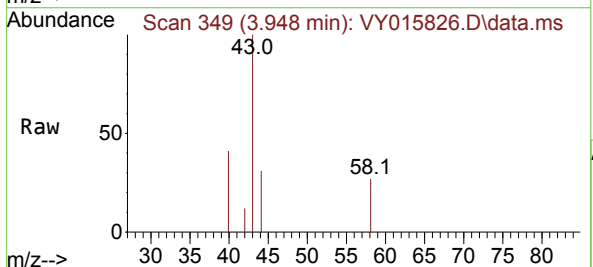


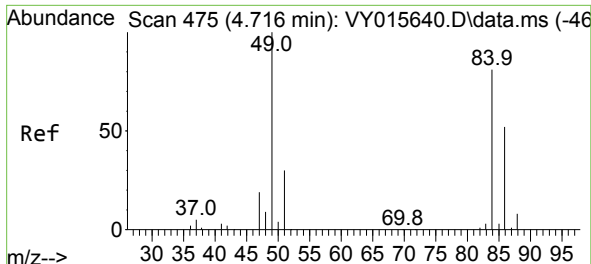
Tgt Ion:142 Resp: 357  
Ion Ratio Lower Upper  
142 100  
127 7.0 37.6 56.4#  
141 0.0 11.8 17.8#



#16  
Acetone  
Concen: 8.338 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

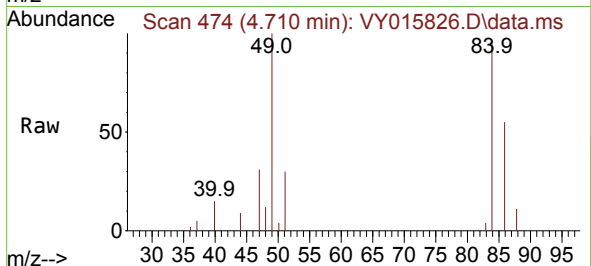
Tgt Ion: 43 Resp: 1658  
Ion Ratio Lower Upper  
43 100  
58 27.4 22.7 34.1



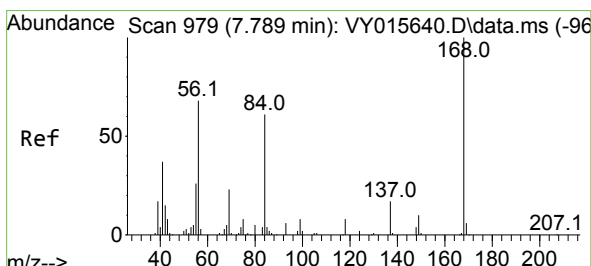
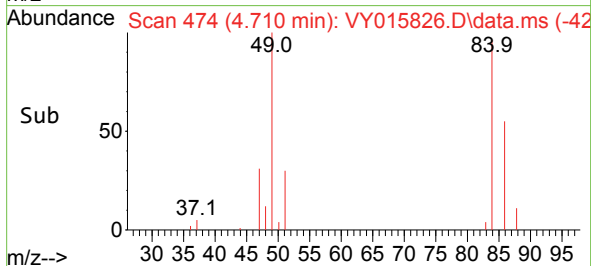
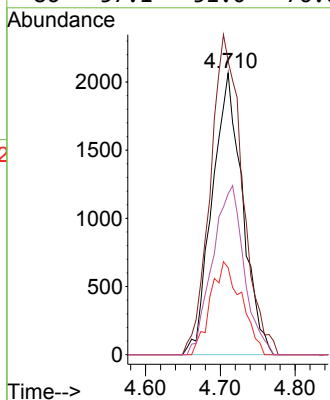


#20  
Methylene Chloride  
Concen: 9.419 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

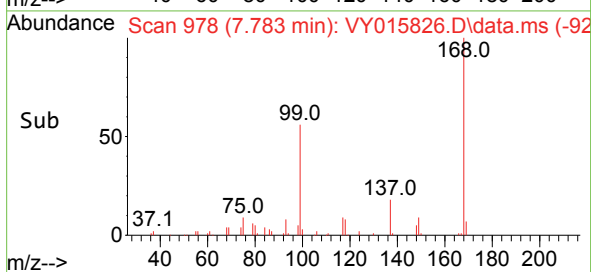
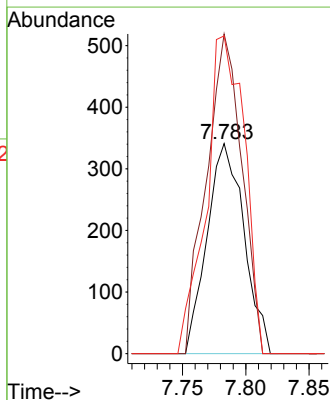
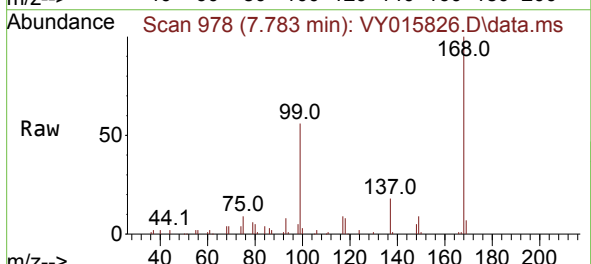


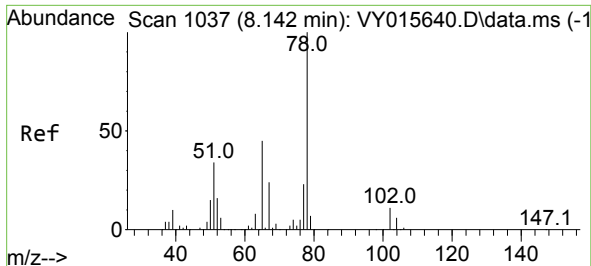
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 5812   |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 104.3    | 106.9 160.3# |
| 51 30.9     | 33.2 49.8#   |
| 86 57.1     | 51.0 76.6    |



#31  
Cyclohexane  
Concen: 1.348 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

|             |           |       |  |
|-------------|-----------|-------|--|
| Tgt Ion: 56 | Resp: 694 |       |  |
| Ion Ratio   | Lower     | Upper |  |
| 56 100      |           |       |  |
| 69 152.2    | 27.8      | 41.6# |  |
| 84 151.3    | 66.4      | 99.6# |  |

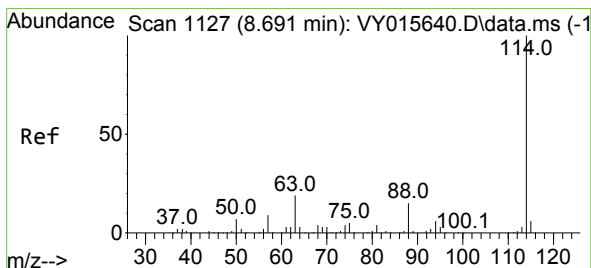
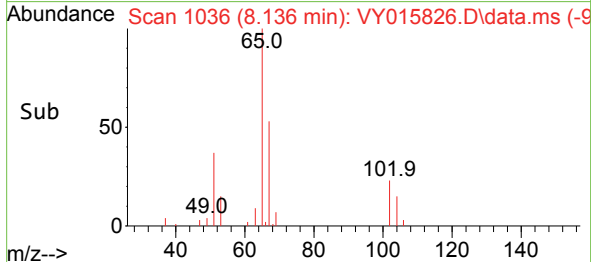
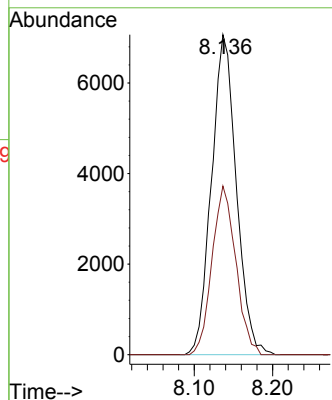
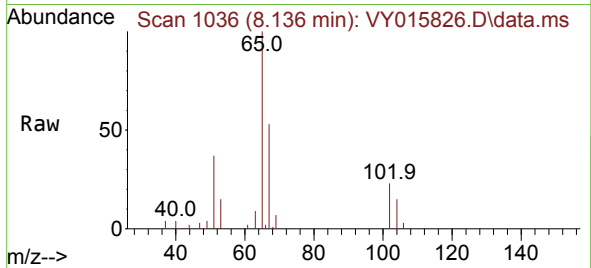




#33  
1,2-Dichloroethane-d4  
Concen: 41.943 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

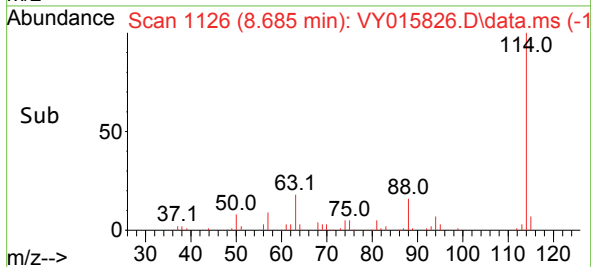
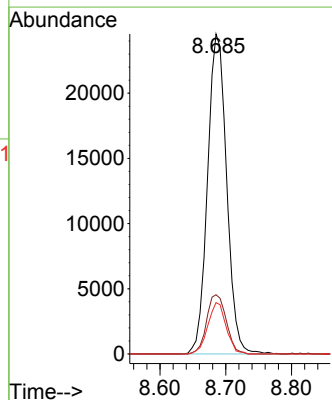
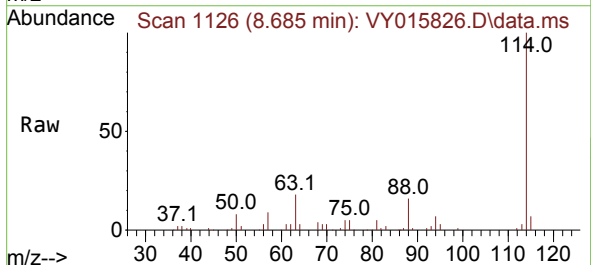
Instrument :  
MSVOA\_Y  
ClientSampleId :

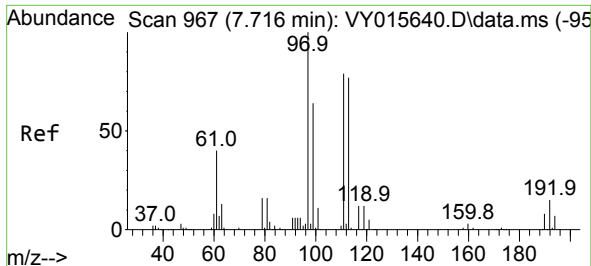
Tgt Ion: 65 Resp: 15584  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

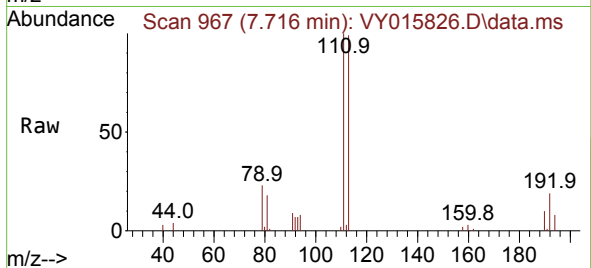
Tgt Ion: 114 Resp: 49636  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 42.4  
88 16.1 0.0 30.6



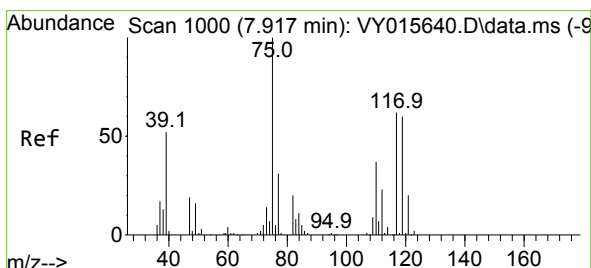
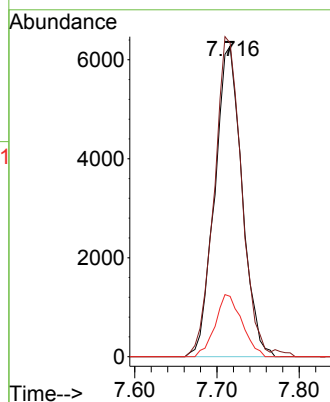
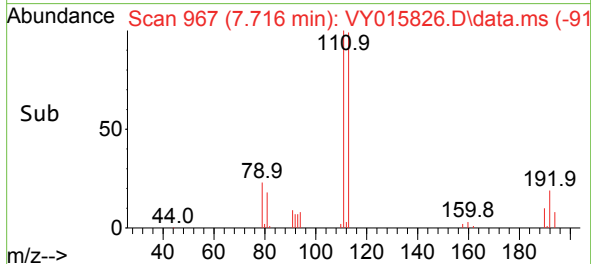


#35  
Dibromofluoromethane  
Concen: 48.841 ug/l  
RT: 7.716 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

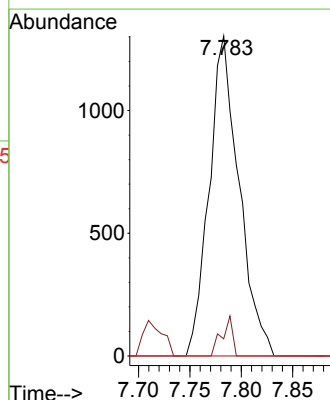
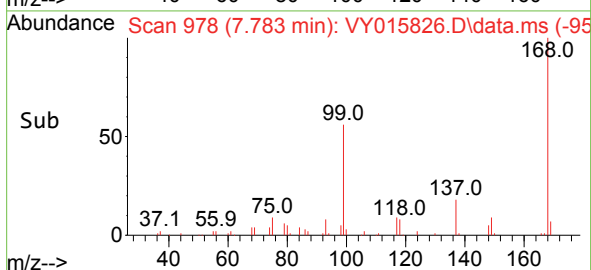
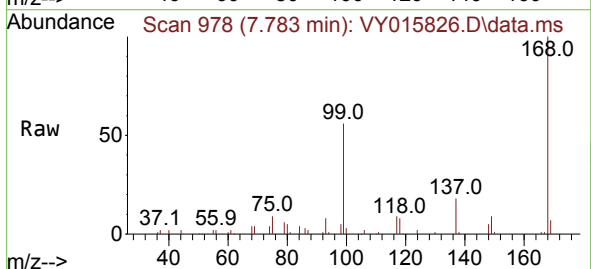


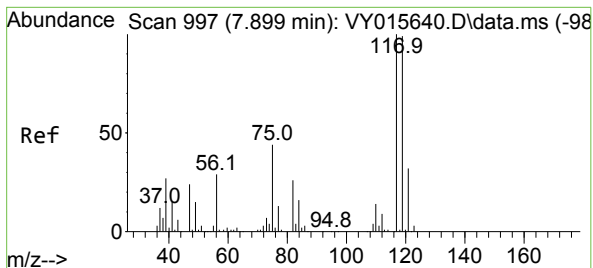
Tgt Ion:113 Resp: 14510  
Ion Ratio Lower Upper  
113 100  
111 103.7 81.3 121.9  
192 19.5 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 5.999 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

Tgt Ion: 75 Resp: 2635  
Ion Ratio Lower Upper  
75 100  
110 4.5 17.8 53.5#  
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.827 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.116 min

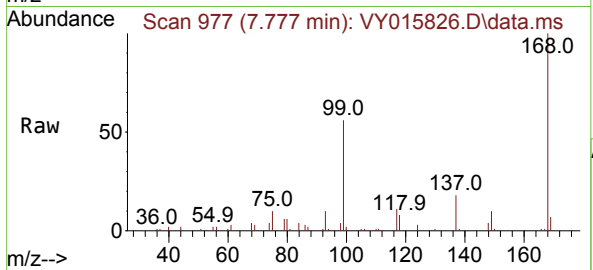
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Instrument :

MSVOA\_Y

ClientSampleId :



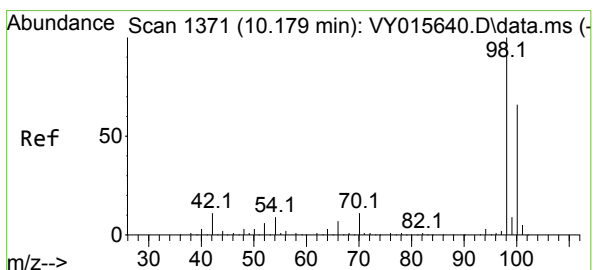
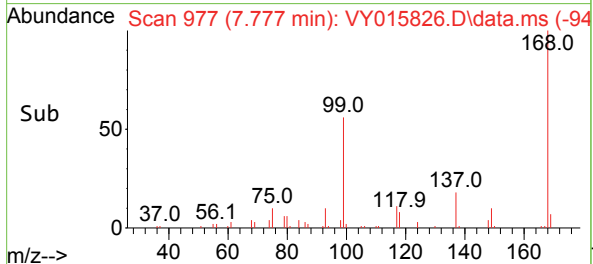
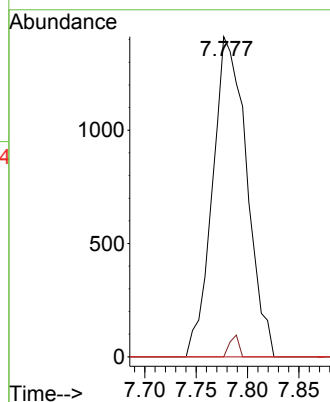
Tgt Ion:117 Resp: 3255

Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 55.910 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015826.D

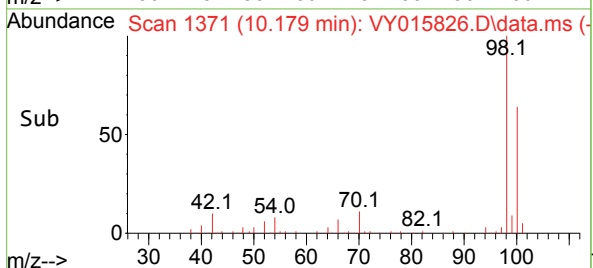
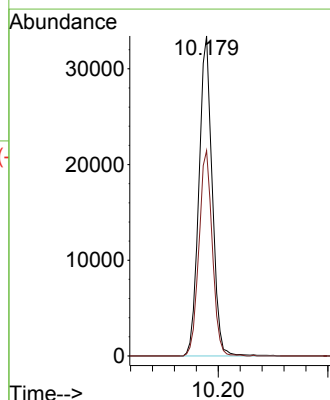
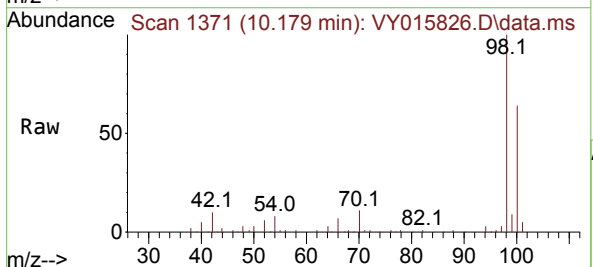
Acq: 04 Oct 2023 14:38

Tgt Ion: 98 Resp: 56319

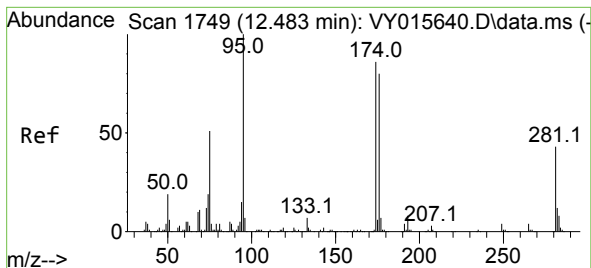
Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1



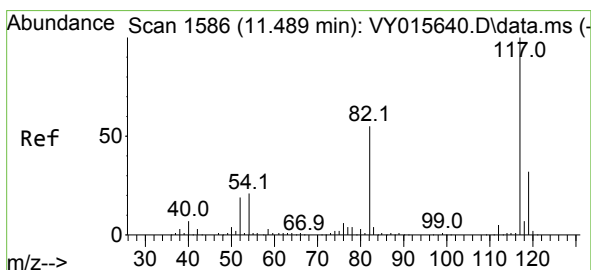
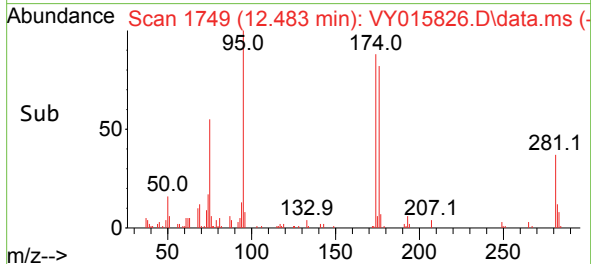
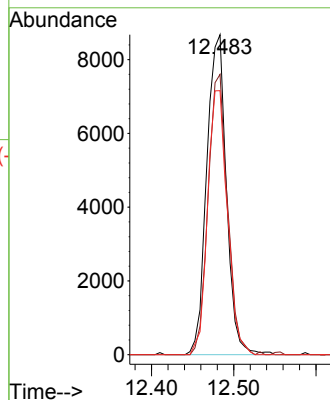
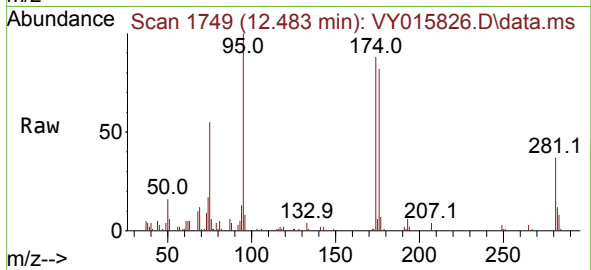




#62  
4-Bromofluorobenzene  
Concen: 36.450 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

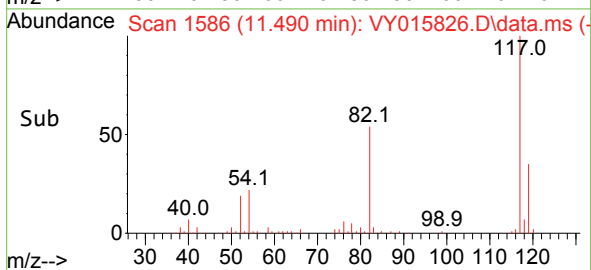
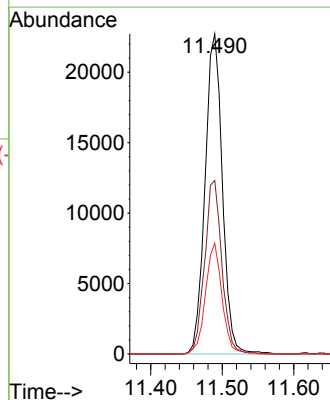
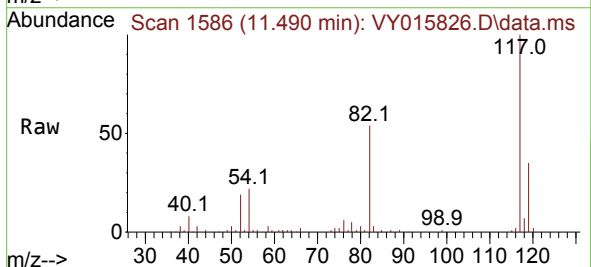
Instrument :  
MSVOA\_Y  
ClientSampleId :

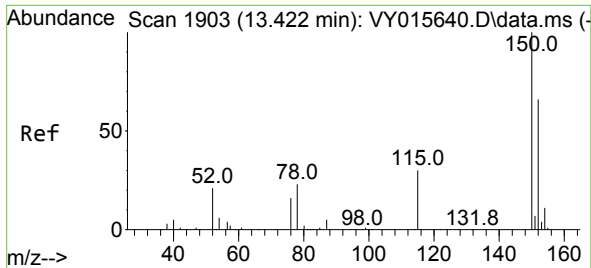
Tgt Ion: 95 Resp: 14409  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 178.2  
176 83.2 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

Tgt Ion: 117 Resp: 38233  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.4 65.0  
119 34.5 26.3 39.5

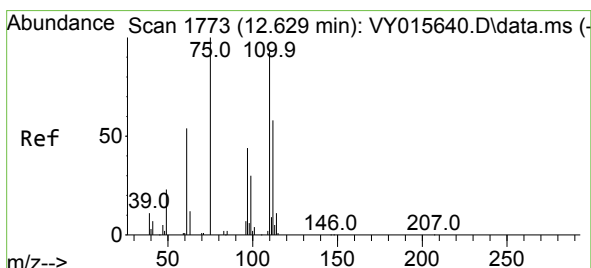
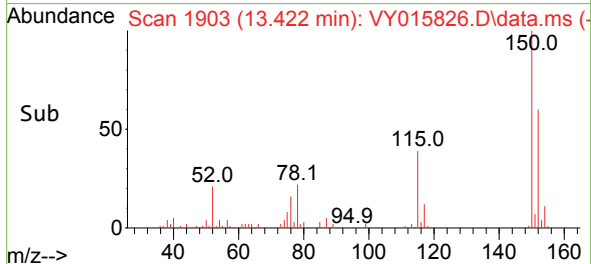
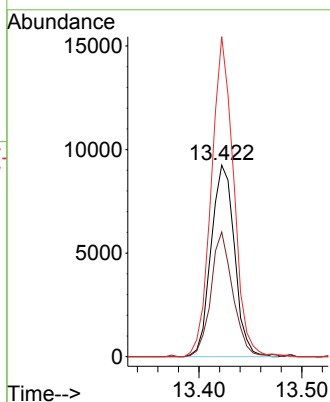
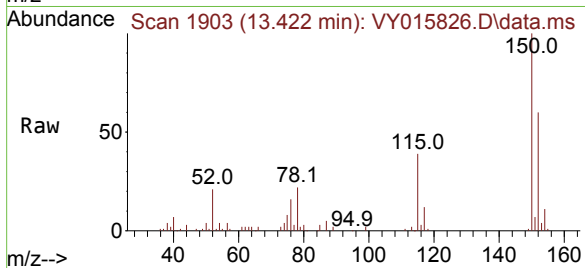




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY015826.D  
 Acq: 04 Oct 2023 14:38

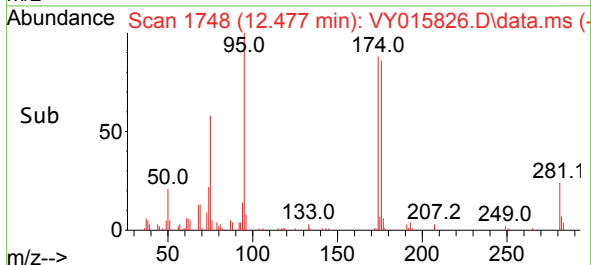
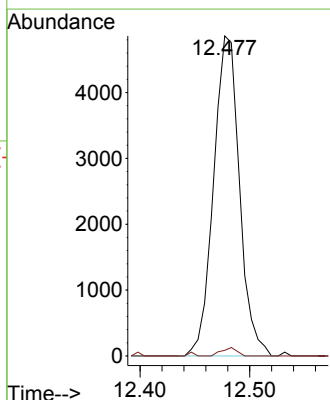
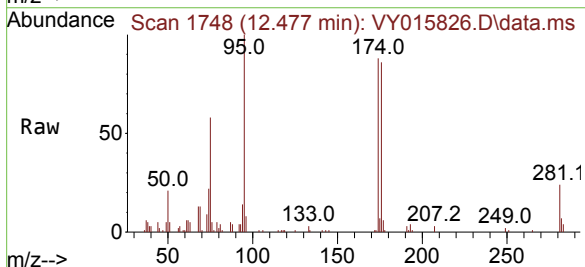
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

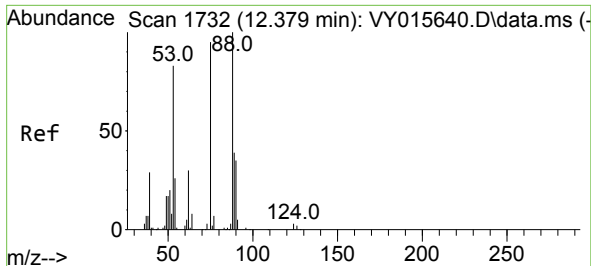
Tgt Ion:152 Resp: 14641  
 Ion Ratio Lower Upper  
 152 100  
 115 61.1 28.8 86.5  
 150 159.2 0.0 348.8



#76  
 1,2,3-Trichloropropane  
 Concen: 34.208 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.152 min  
 Lab File: VY015826.D  
 Acq: 04 Oct 2023 14:38

Tgt Ion: 75 Resp: 7990  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#

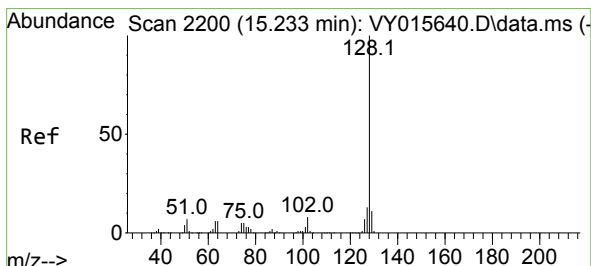
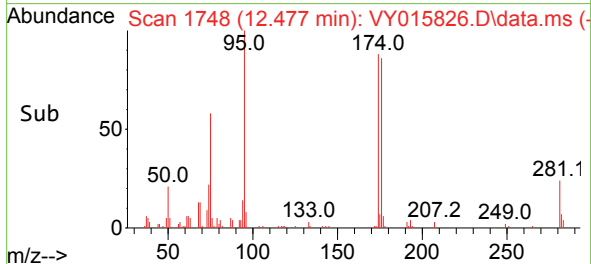
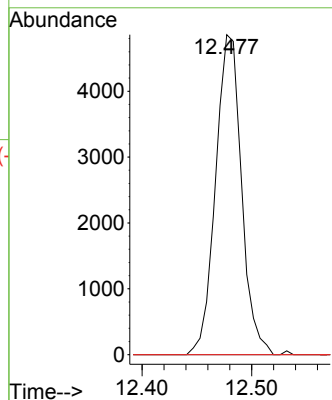
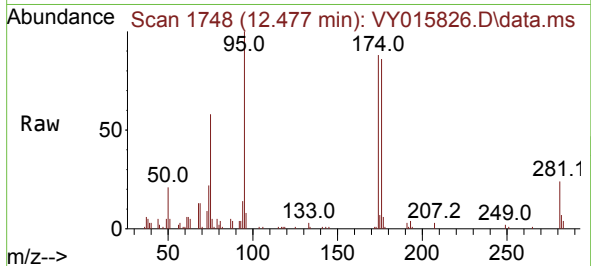




#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.033 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 7990  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#



#95  
Naphthalene  
Concen: 2.125 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY015826.D  
Acq: 04 Oct 2023 14:38

Tgt Ion:128 Resp: 1722  
Ion Ratio Lower Upper  
128 100  
127 10.5 10.8 16.2#  
129 11.8 8.6 13.0

