

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042723\  
 Data File : VY013490.D  
 Acq On : 27 Apr 2023 14:32  
 Operator : KP/MD  
 Sample : VY0427SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0427SBL01

Quant Time: Apr 27 16:14:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

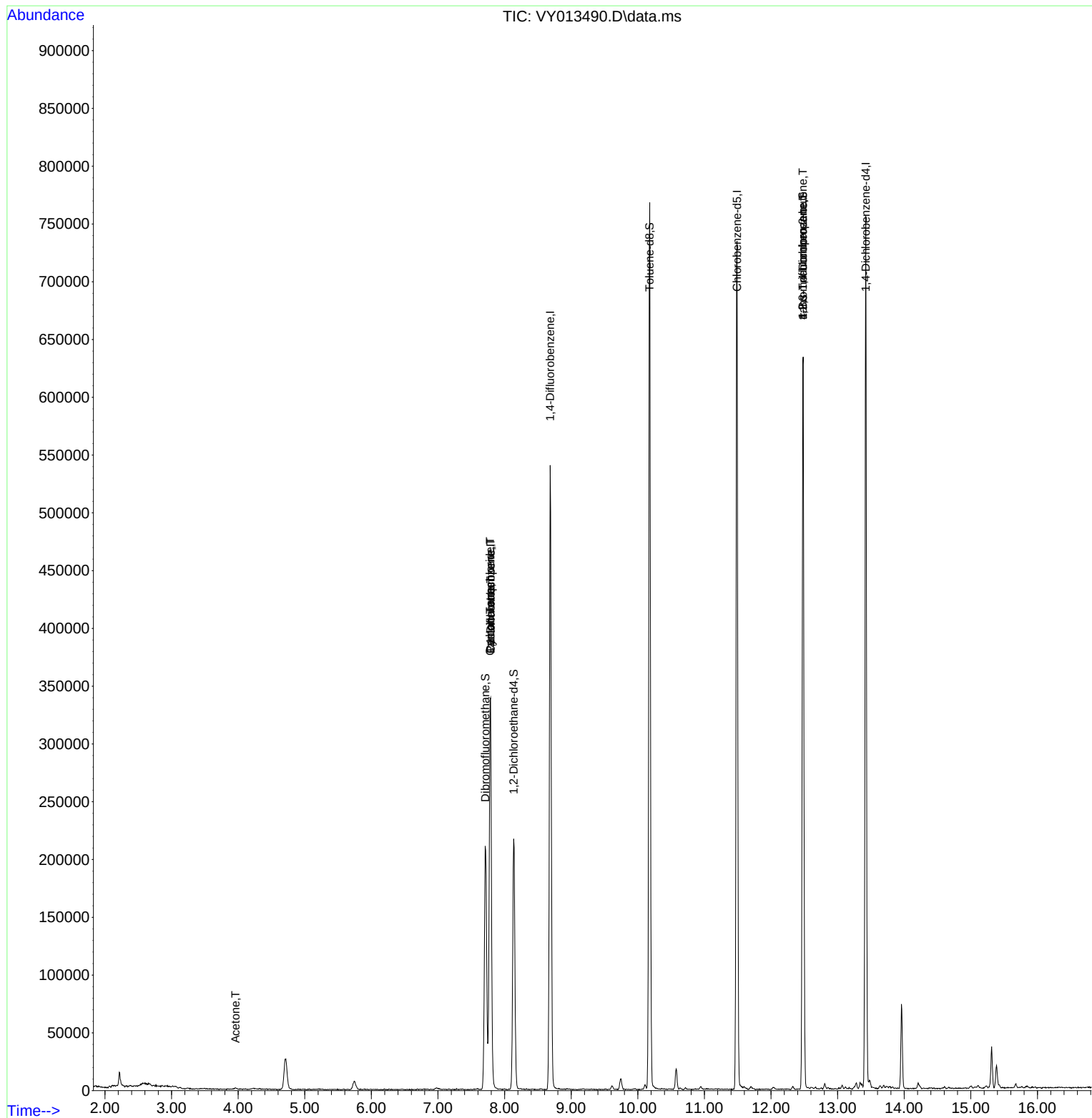
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 262881   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 433384   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 390354   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 179244   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 173508   | 60.209    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 120.420% |          |
| 35) Dibromofluoromethane      | 7.710     | 113   | 150914   | 55.365    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 110.740% |          |
| 50) Toluene-d8                | 10.179    | 98    | 491114   | 50.647    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 101.300% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 162727   | 49.779    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 99.560%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 13) Acrolein                  | 3.759     | 56    | 57       | Below Cal | #          | 62       |
| 16) Acetone                   | 3.960     | 43    | 1721     | 1.516     | ug/l       | 96       |
| 20) Methylene Chloride        | 4.710     | 84    | 19516    | Below Cal |            | 90       |
| 31) Cyclohexane               | 7.789     | 56    | 6122     | 1.187     | ug/l #     | 30       |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 21937    | 4.849     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 26442    | 5.577     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 88391    | 36.566    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 88391    | 74.797    | ug/l #     | 13       |
| -----                         |           |       |          |           |            |          |

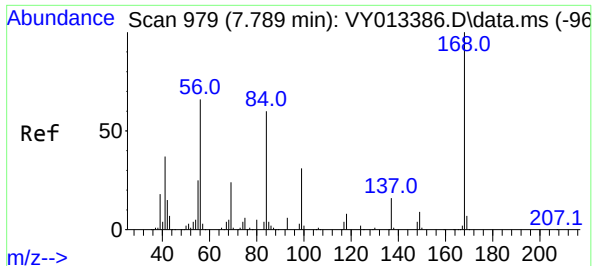
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042723\  
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Sample : VY0427SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0427SBL01

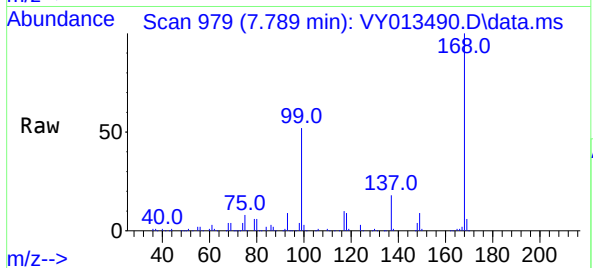
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration



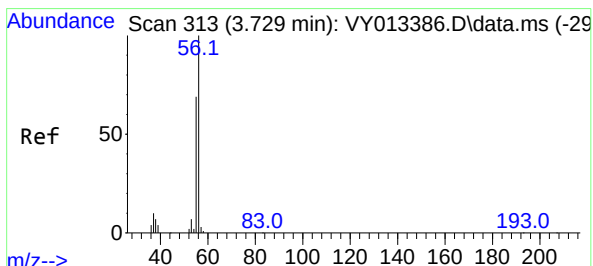
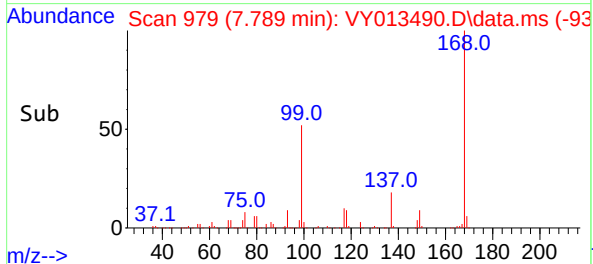
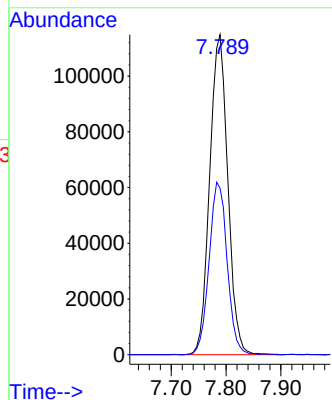


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0427SBL01

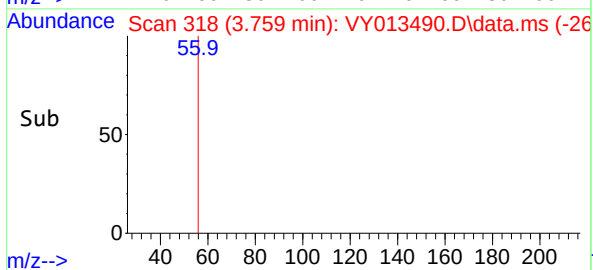
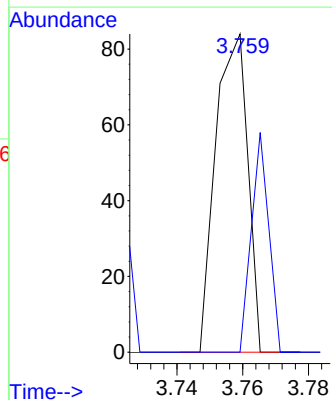
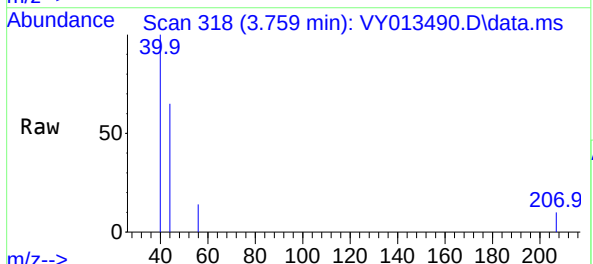


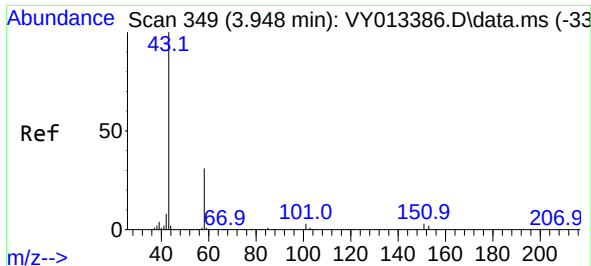
Tgt Ion:168 Resp: 262881  
Ion Ratio Lower Upper  
168 100  
99 52.0 41.8 62.6



#13  
Acrolein  
Concen: Below Cal  
RT: 3.759 min Scan# 318  
Delta R.T. 0.030 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Tgt Ion: 56 Resp: 57  
Ion Ratio Lower Upper  
56 100  
55 36.8 54.1 81.1#

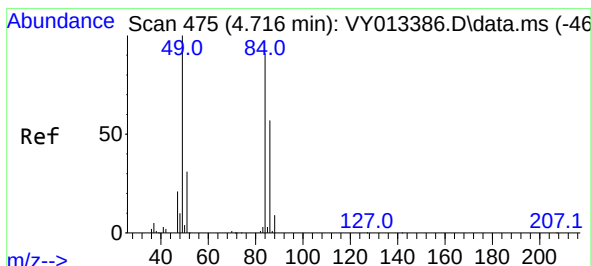
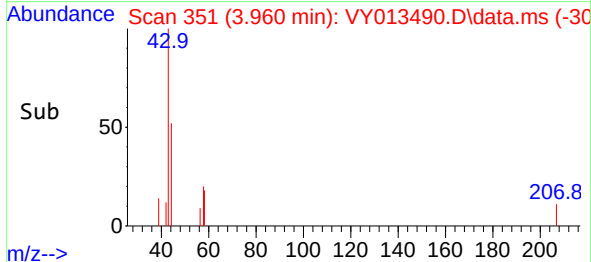
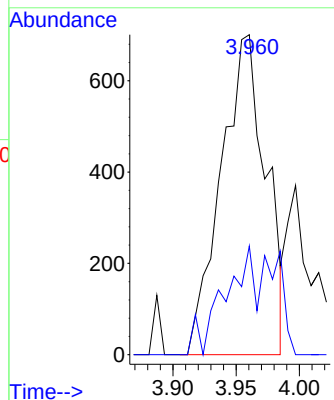
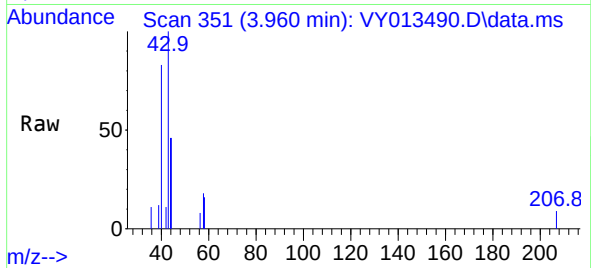




#16  
Acetone  
Concen: 1.516 ug/l  
RT: 3.960 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

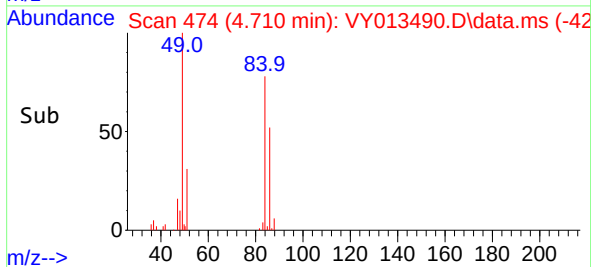
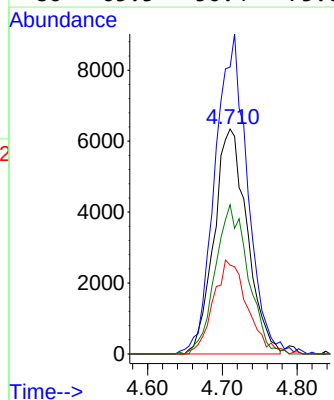
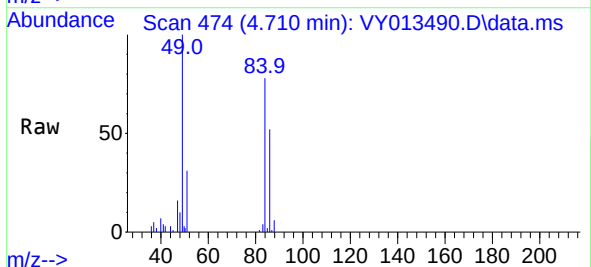
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0427SBL01

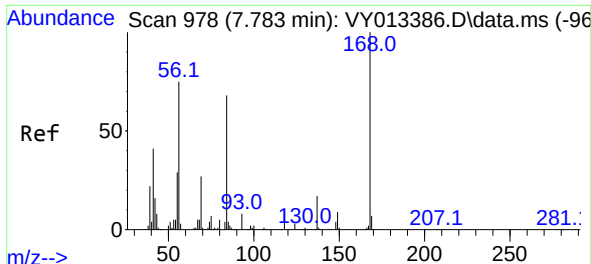
Tgt Ion: 43 Resp: 1721  
Ion Ratio Lower Upper  
43 100  
58 34.0 25.4 38.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Tgt Ion: 84 Resp: 19516  
Ion Ratio Lower Upper  
84 100  
49 126.3 88.0 132.0  
51 38.7 27.4 41.0  
86 65.5 50.4 75.6

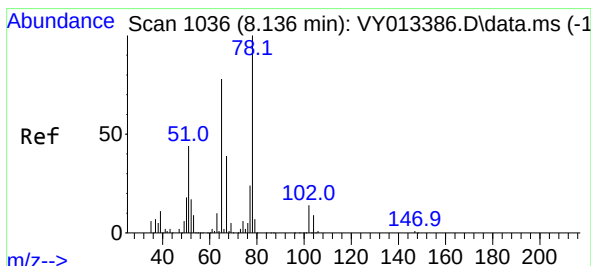
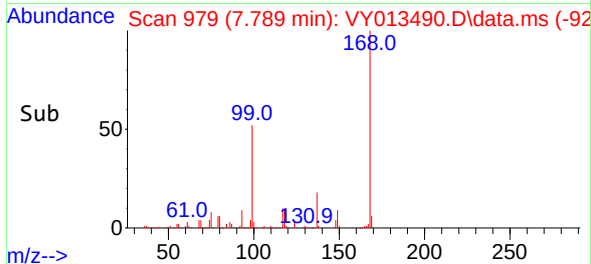
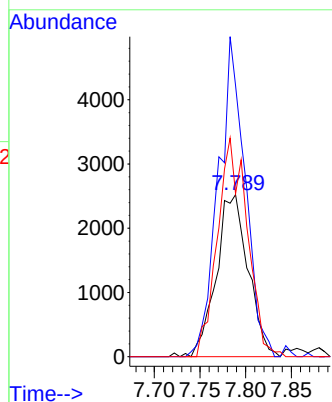
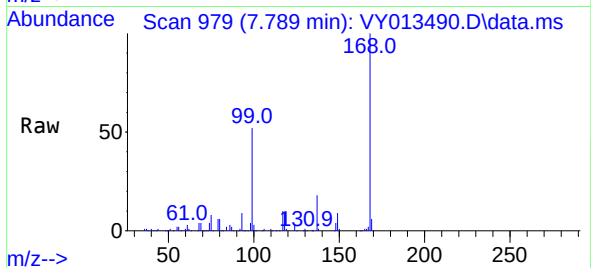




#31  
Cyclohexane  
Concen: 1.187 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

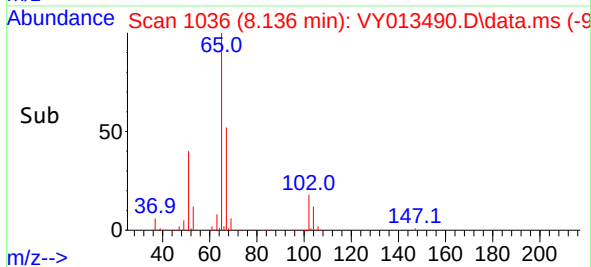
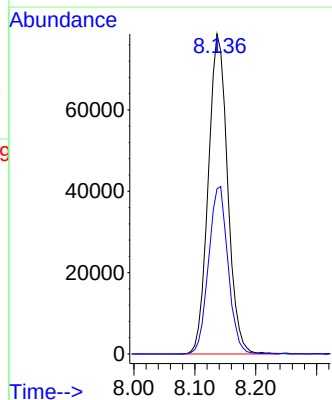
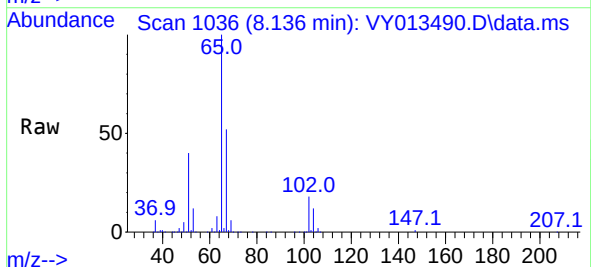
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0427SBL01

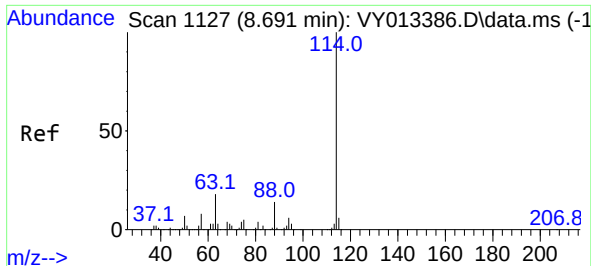
Tgt Ion: 56 Resp: 6122  
Ion Ratio Lower Upper  
56 100  
69 167.3 29.2 43.8#  
84 100.4 73.0 109.6



#33  
1,2-Dichloroethane-d4  
Concen: 60.209 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Tgt Ion: 65 Resp: 173508  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 103.4



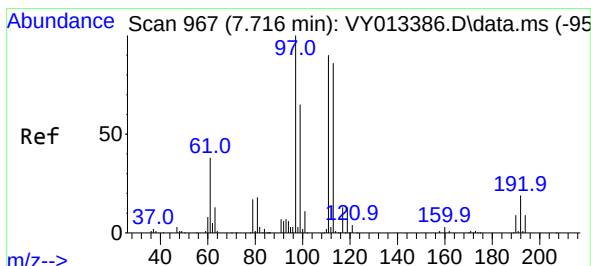
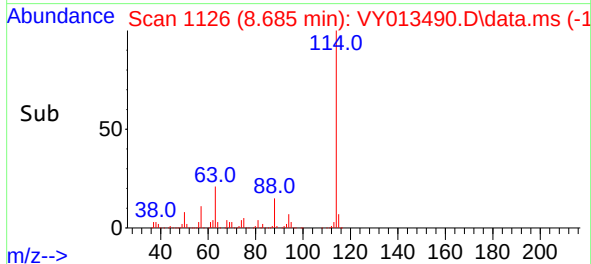
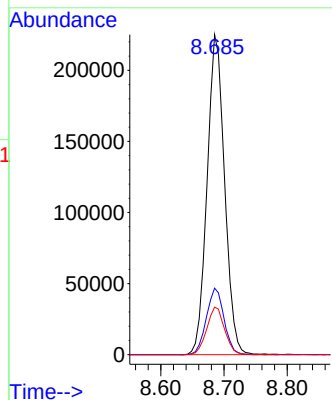
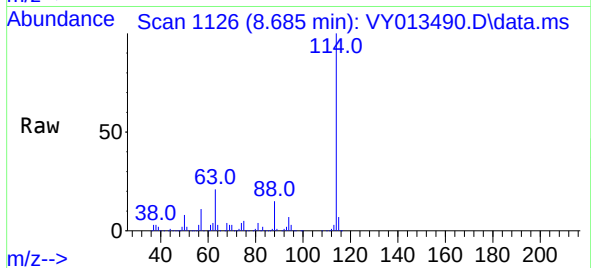


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0427SBL01

Tgt Ion:114 Resp: 433384

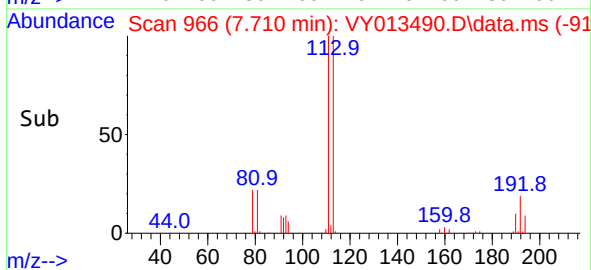
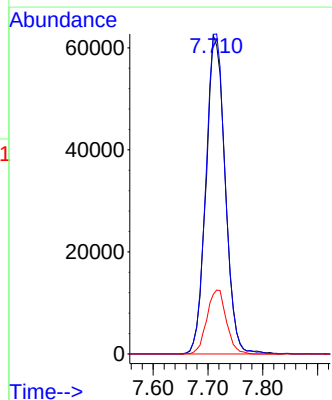
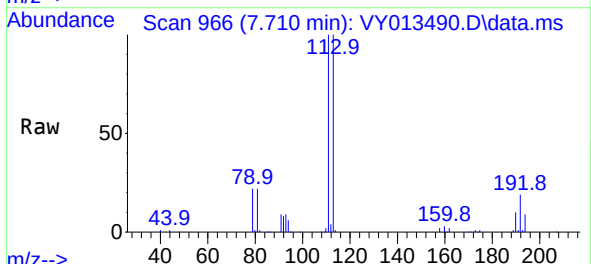
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.8  | 0.0   | 36.6  |
| 88  | 14.8  | 0.0   | 28.8  |

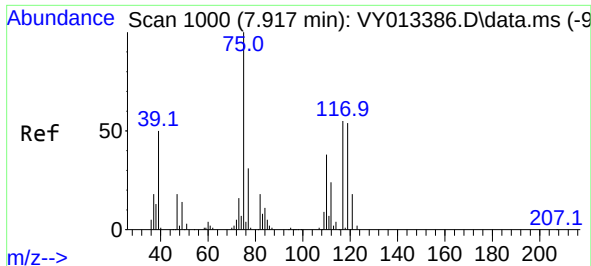


#35  
Dibromofluoromethane  
Concen: 55.365 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Tgt Ion:113 Resp: 150914

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.7 | 82.2  | 123.2 |
| 192 | 20.4  | 16.7  | 25.1  |





#36

1,1-Dichloropropene

Concen: 4.849 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013490.D

Acq: 27 Apr 2023 14:32

Instrument :

MSVOA\_Y

ClientSampleId :

VY0427SBL01

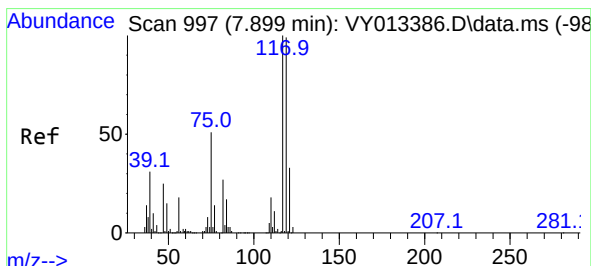
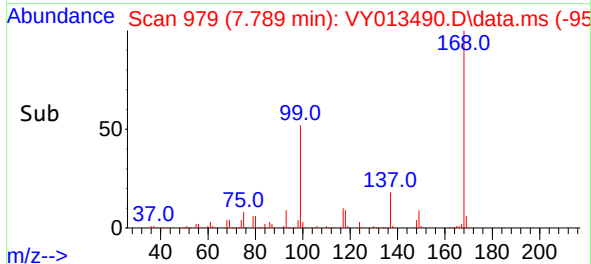
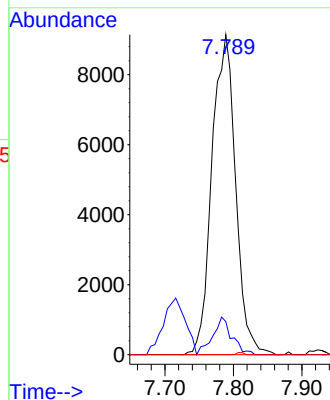
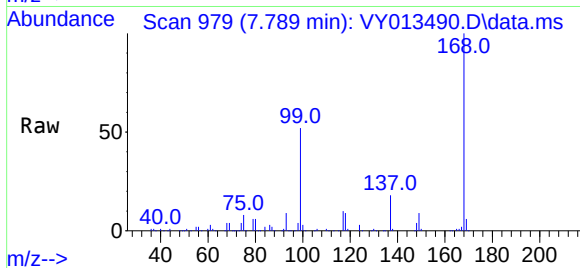
Tgt Ion: 75 Resp: 21937

Ion Ratio Lower Upper

75 100

110 9.6 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.577 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013490.D

Acq: 27 Apr 2023 14:32

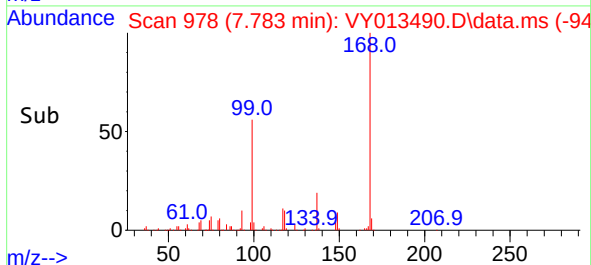
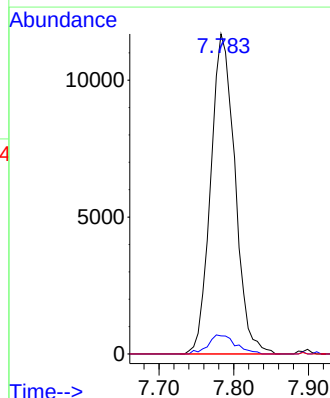
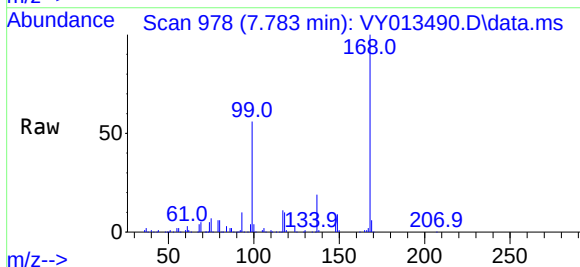
Tgt Ion: 117 Resp: 26442

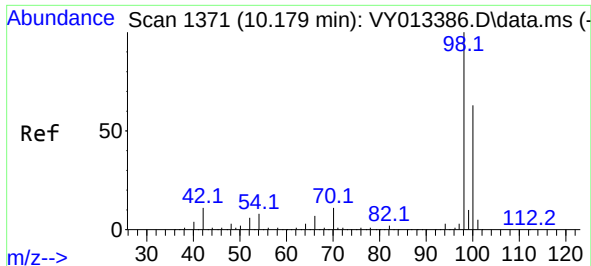
Ion Ratio Lower Upper

117 100

119 5.6 79.0 118.6#

121 0.0 26.6 40.0#

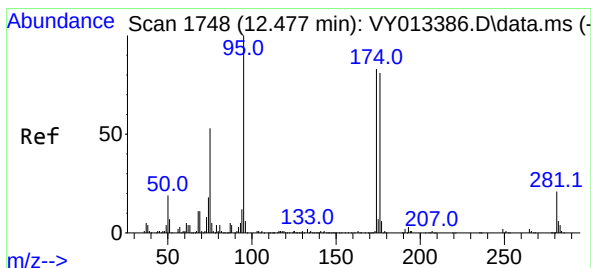
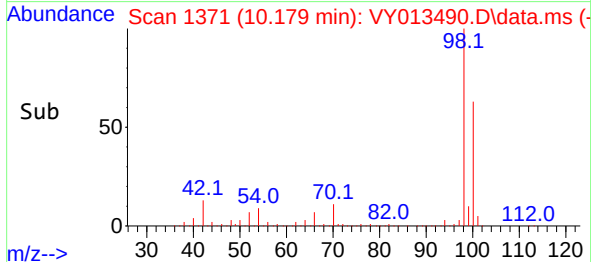
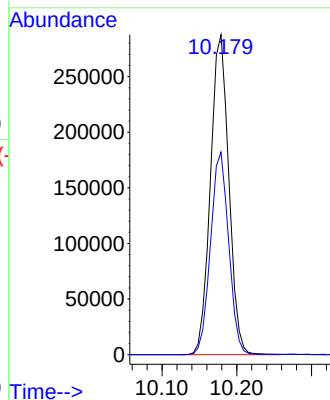
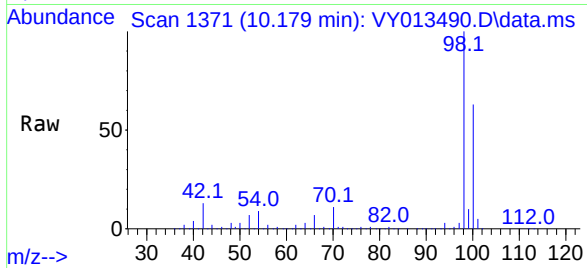




#50  
Toluene-d8  
Concen: 50.647 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

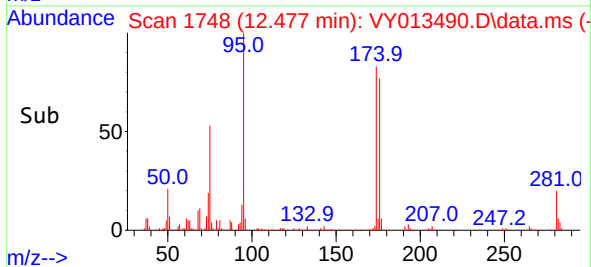
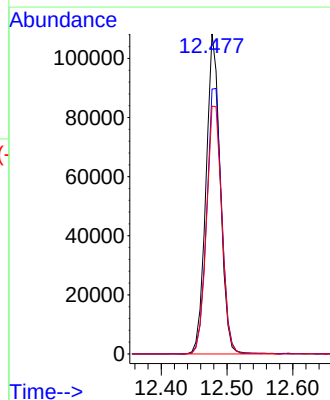
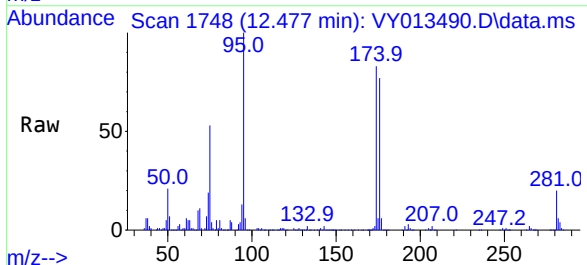
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0427SBL01

Tgt Ion: 98 Resp: 491114  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.5 75.7

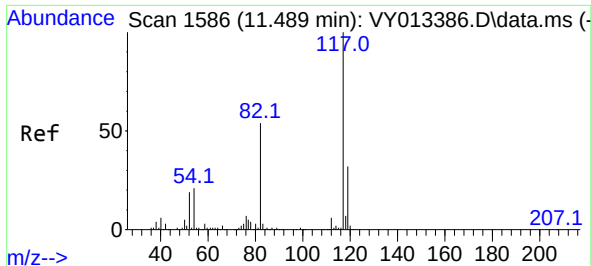


#62  
4-Bromofluorobenzene  
Concen: 49.779 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Tgt Ion: 95 Resp: 162727  
Ion Ratio Lower Upper  
95 100  
174 87.7 0.0 182.0  
176 83.4 0.0 175.4



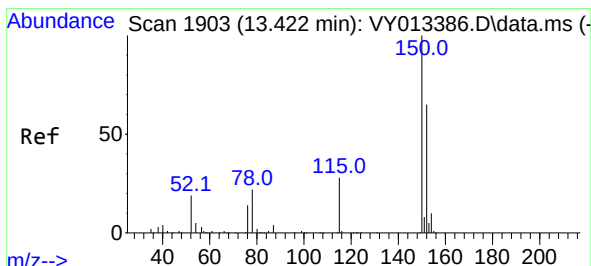
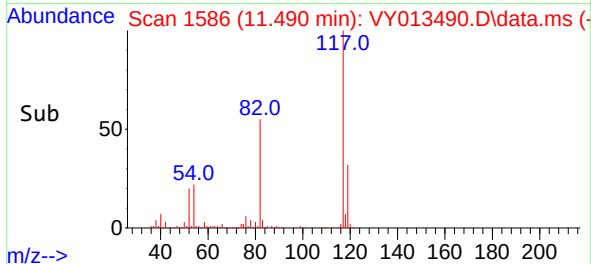
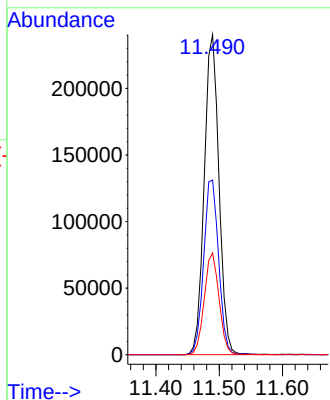
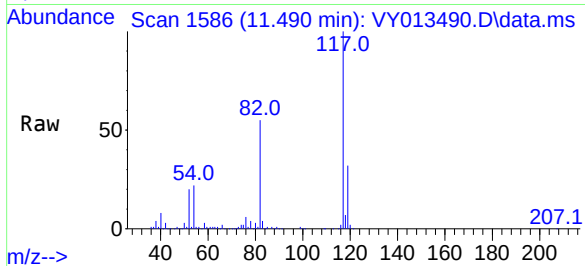




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

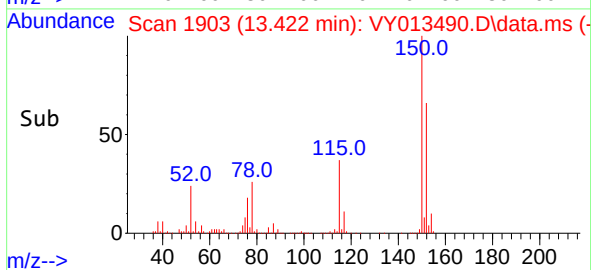
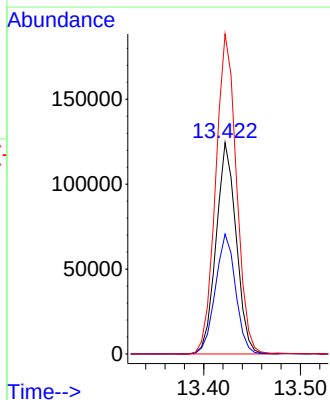
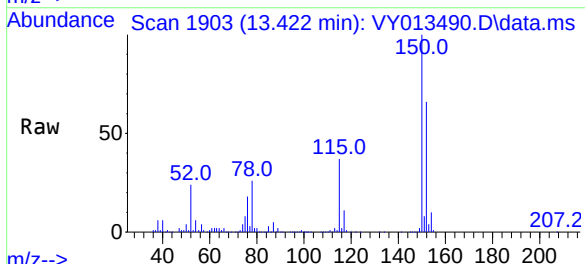
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0427SBL01

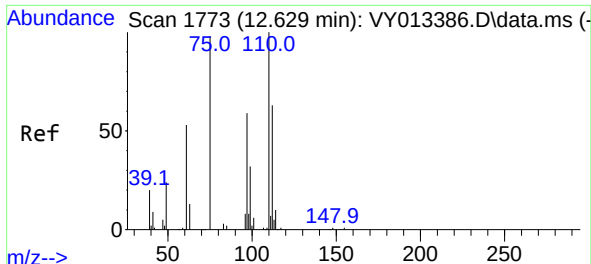
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 390354 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.6  | 43.0  | 64.6   |
| 119      | 31.8  | 25.5  | 38.3   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 179244 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.2  | 28.1  | 84.2   |
| 150      | 156.8 | 0.0   | 352.0  |

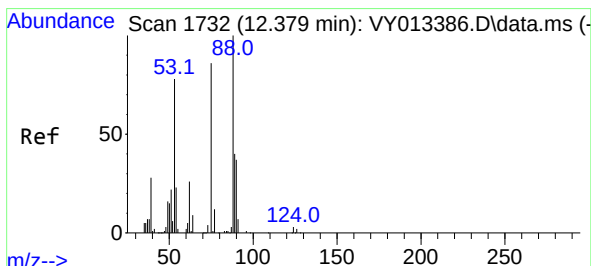
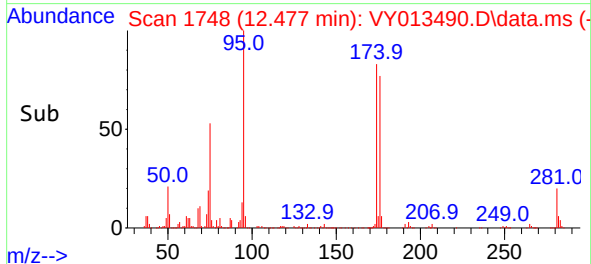
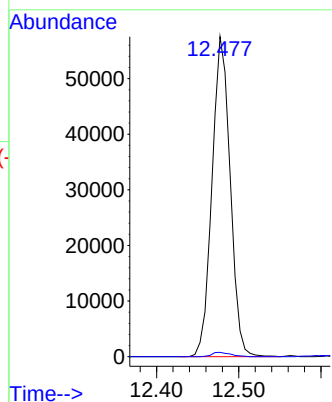
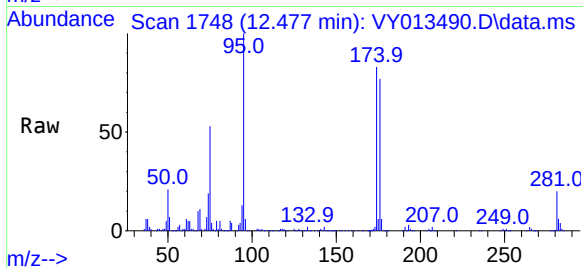




#76  
1,2,3-Trichloropropane  
Concen: 36.566 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0427SBL01

Tgt Ion: 75 Resp: 88391  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.797 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY013490.D  
Acq: 27 Apr 2023 14:32

Tgt Ion: 75 Resp: 88391  
Ion Ratio Lower Upper  
75 100  
53 0.2 73.2 109.8#  
89 0.4 38.0 57.0#

