

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072823\  
 Data File : VY014898.D  
 Acq On : 28 Jul 2023 10:57  
 Operator : SY/MD  
 Sample : VY0727SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0728SBL01

Quant Time: Jul 29 03:00:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 151187   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 267810   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.483 | 117  | 254571   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 122181   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 96038    | 55.744   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 111.480% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 84807    | 49.746   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.500%  |
| 50) Toluene-d8              | 10.173 | 98    | 316861   | 50.413   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.820% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 117400   | 48.713   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 97.420%  |

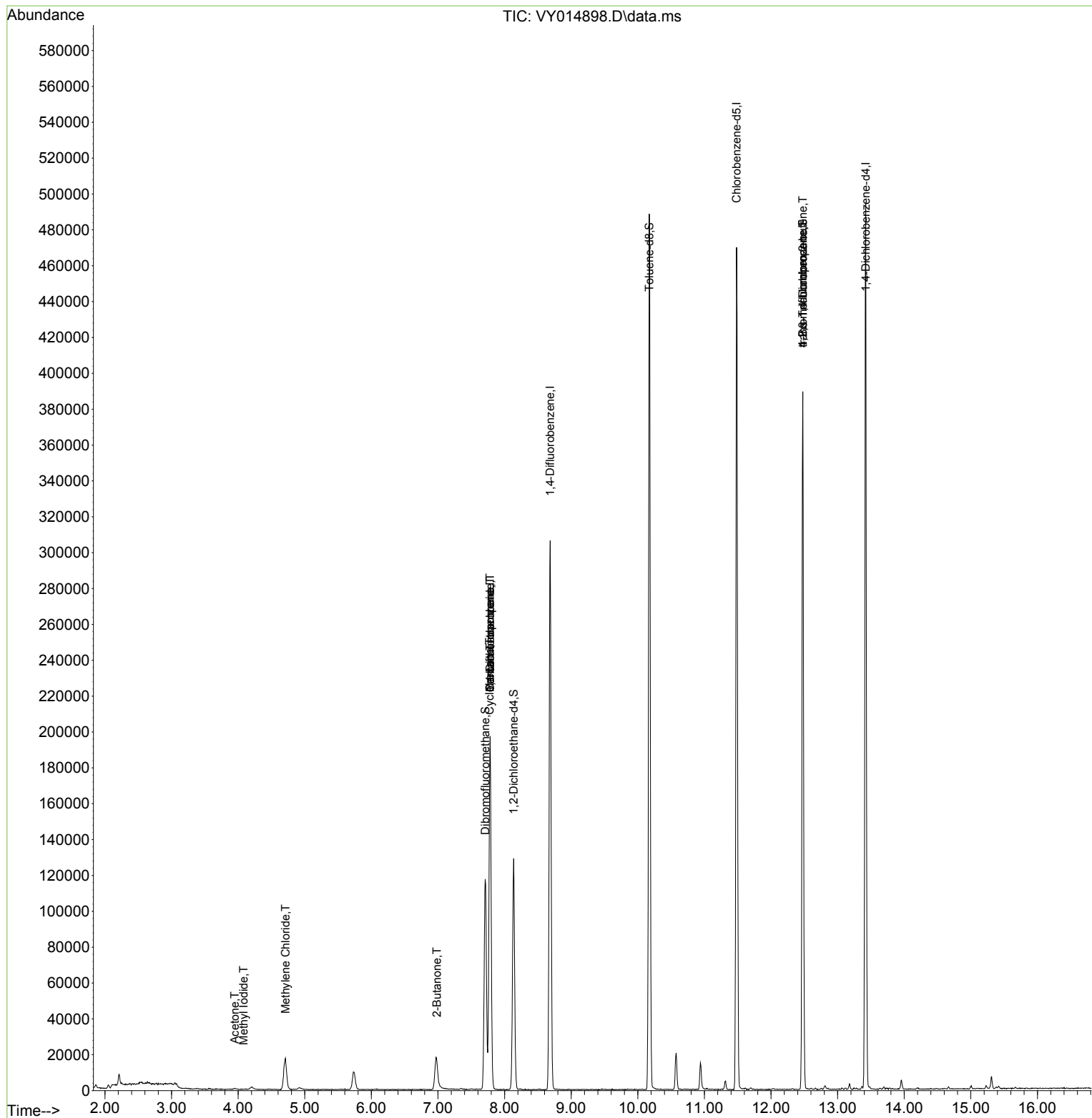
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 10) Methyl Iodide             | 4.082  | 142 | 78    | 2.413     | ug/l # | 38  |
| 11) Tert butyl alcohol        | 4.911  | 59  | 714   | Below Cal | #      | 89  |
| 16) Acetone                   | 3.948  | 43  | 784   | 1.436     | ug/l # | 46  |
| 20) Methylene Chloride        | 4.710  | 84  | 13073 | 3.439     | ug/l   | 92  |
| 25) 2-Butanone                | 6.984  | 43  | 1352  | 1.693     | ug/l # | 49  |
| 31) Cyclohexane               | 7.777  | 56  | 3342  | 1.169     | ug/l # | 9   |
| 36) 1,1-Dichloropropene       | 7.783  | 75  | 12258 | 4.808     | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.783  | 117 | 14882 | 5.522     | ug/l # | 16  |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75  | 62598 | 40.566    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75  | 62598 | 78.543    | ug/l # | 10  |

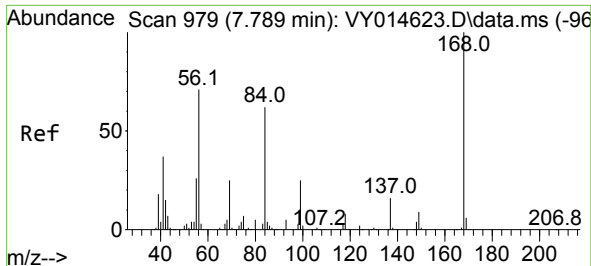
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072823\  
Data File : VY014898.D  
Acq On : 28 Jul 2023 10:57  
Operator : SY/MD  
Sample : VY0727SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0728SBL01

Quant Time: Jul 29 03:00:56 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 14 02:09:50 2023  
Response via : Initial Calibration

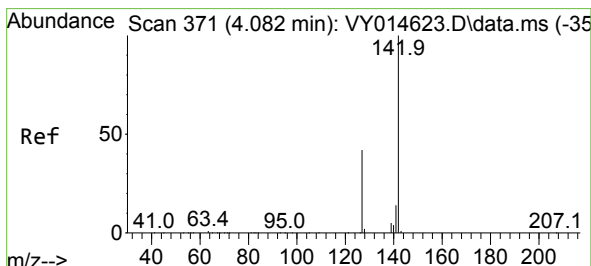
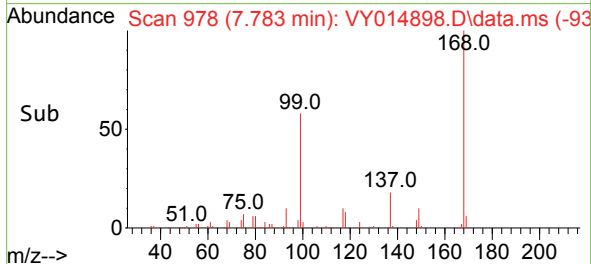
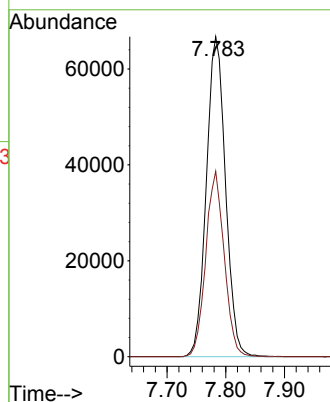
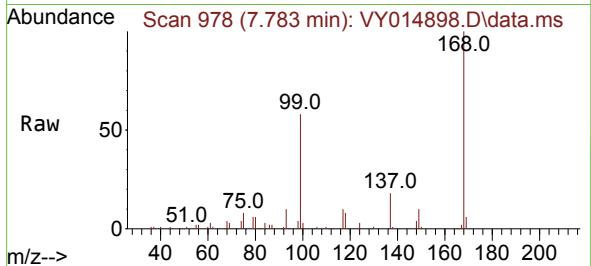




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

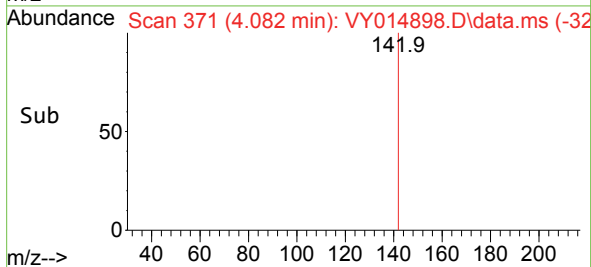
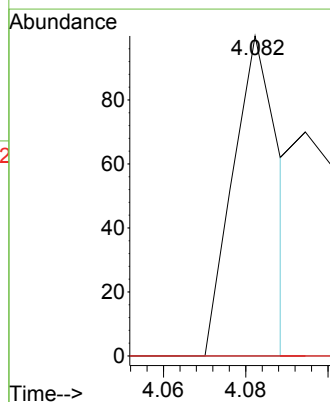
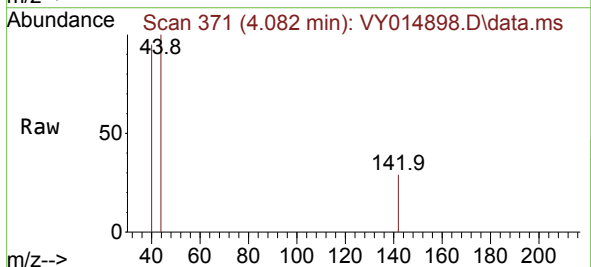
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0728SBL01

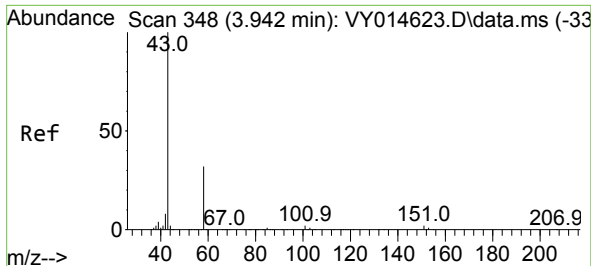
Tgt Ion:168 Resp: 151187  
Ion Ratio Lower Upper  
168 100  
99 58.0 43.4 65.0



#10  
Methyl Iodide  
Concen: 2.413 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. 0.000 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

Tgt Ion:142 Resp: 78  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#





#16

Acetone

Concen: 1.436 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY014898.D

Acq: 28 Jul 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

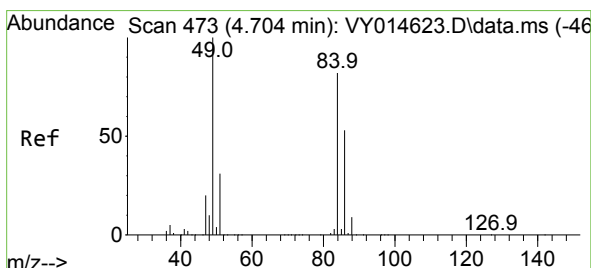
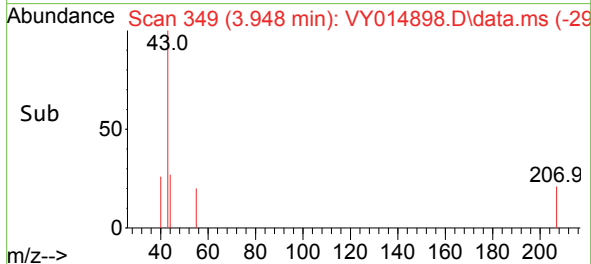
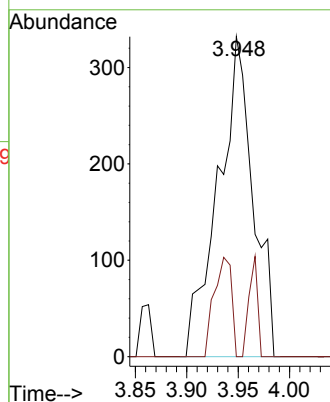
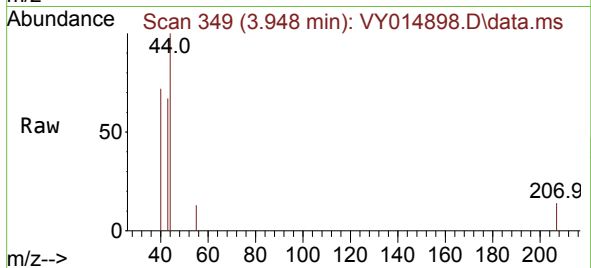
VY0728SBL01

Tgt Ion: 43 Resp: 784

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 3.439 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014898.D

Acq: 28 Jul 2023 10:57

Tgt Ion: 84 Resp: 13073

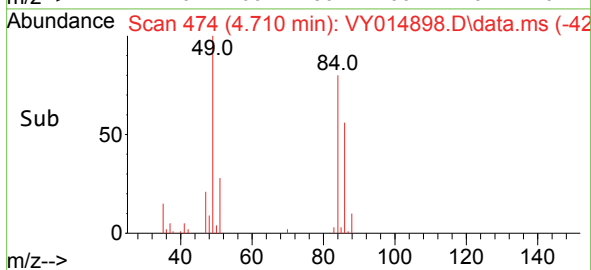
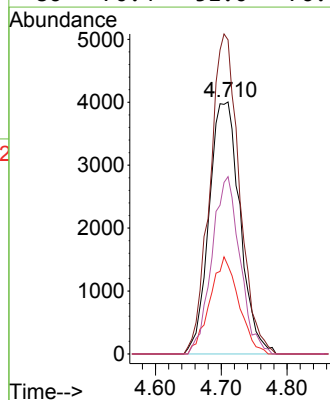
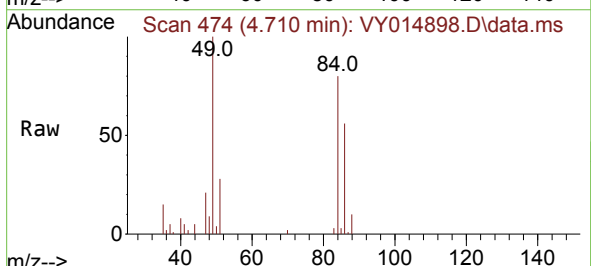
Ion Ratio Lower Upper

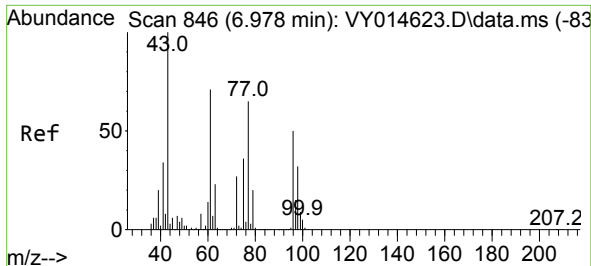
84 100

49 124.7 106.9 160.3

51 35.0 33.2 49.8

86 70.4 51.0 76.6

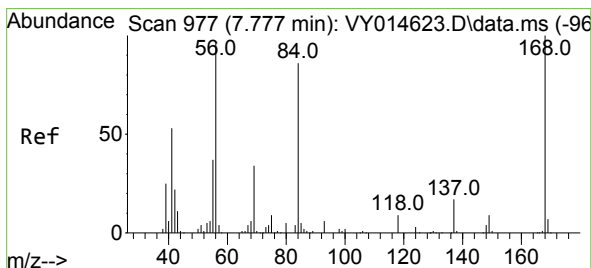
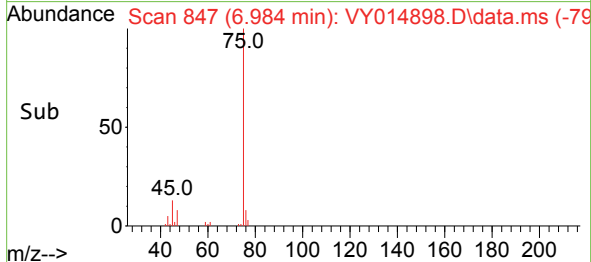
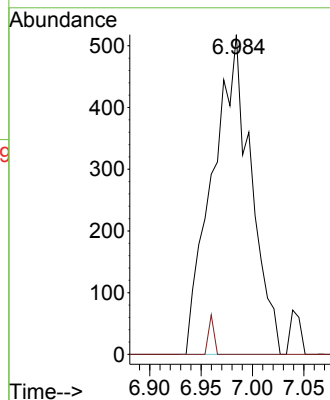
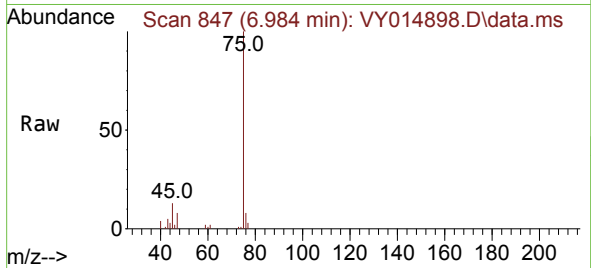




#25  
2-Butanone  
Concen: 1.693 ug/l  
RT: 6.984 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

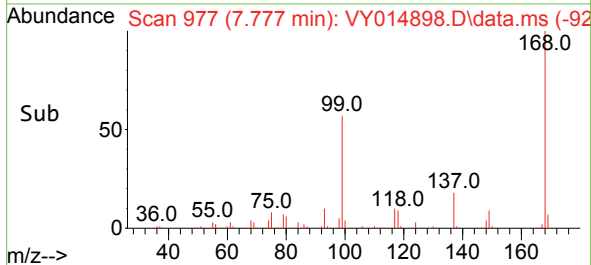
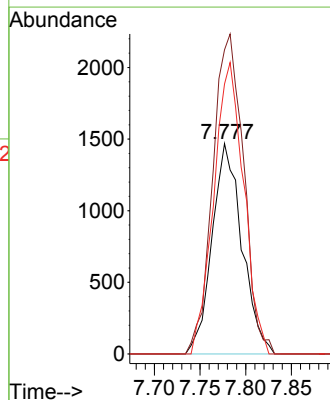
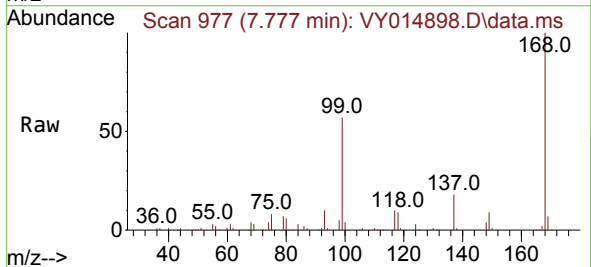
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0728SBL01

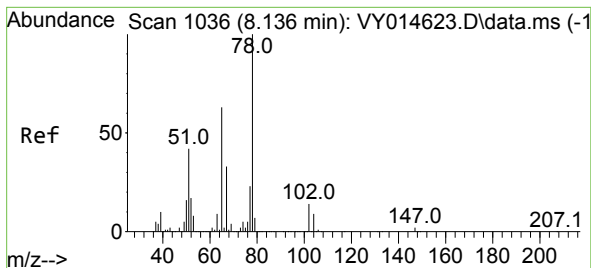
Tgt Ion: 43 Resp: 1352  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.5 30.7#



#31  
Cyclohexane  
Concen: 1.169 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.000 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

Tgt Ion: 56 Resp: 3342  
Ion Ratio Lower Upper  
56 100  
69 144.5 27.8 41.6#  
84 128.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.744 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014898.D

Acq: 28 Jul 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

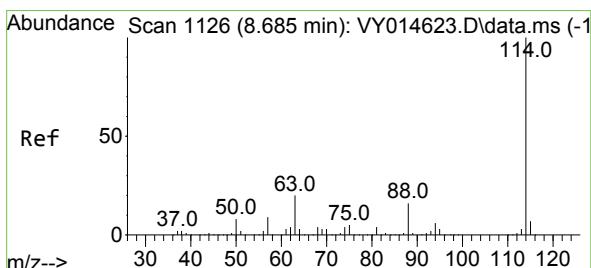
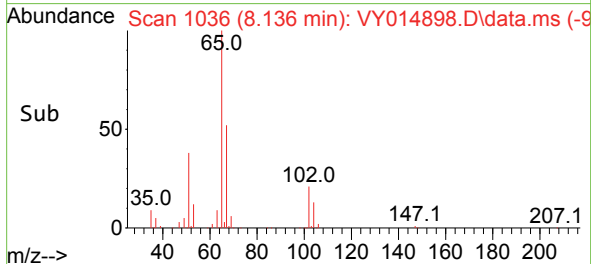
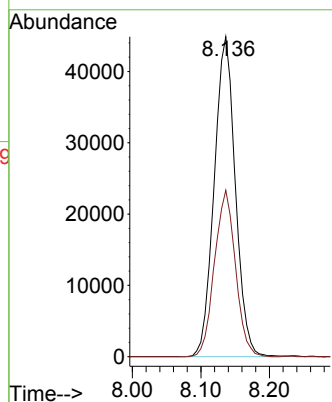
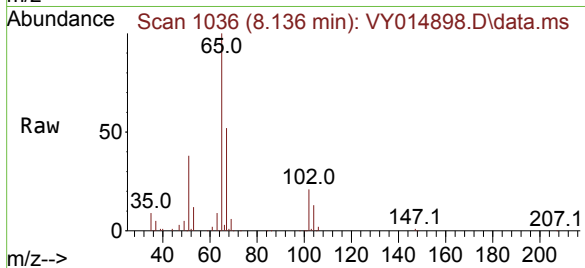
VY0728SBL01

Tgt Ion: 65 Resp: 96038

Ion Ratio Lower Upper

65 100

67 51.6 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: VY014898.D

Acq: 28 Jul 2023 10:57

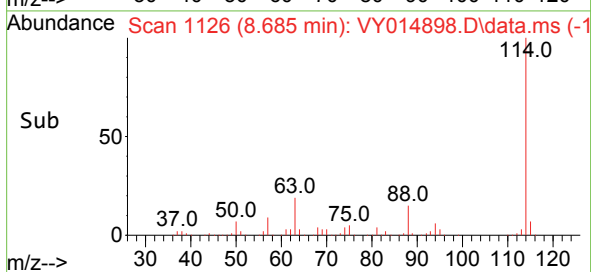
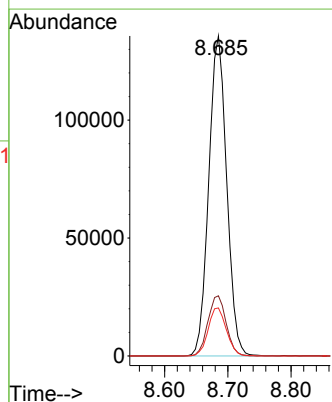
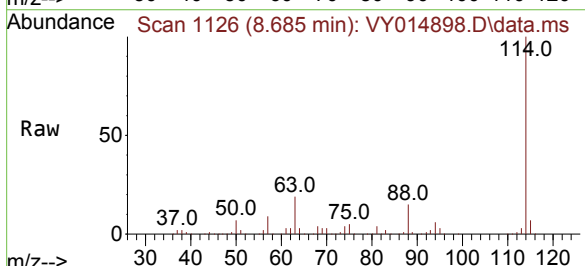
Tgt Ion: 114 Resp: 267810

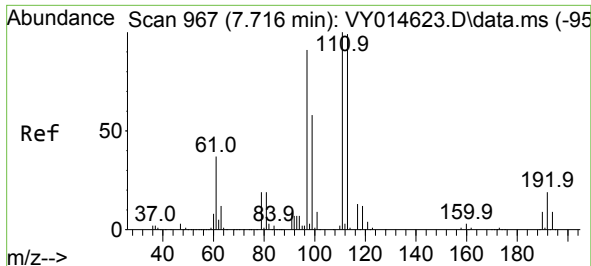
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.0 0.0 30.6

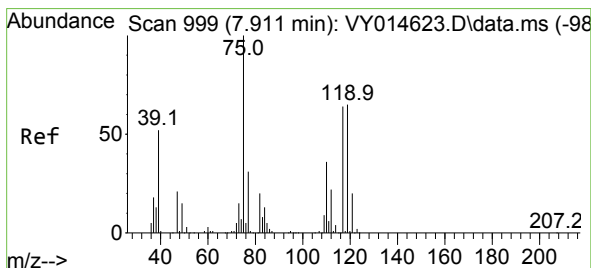
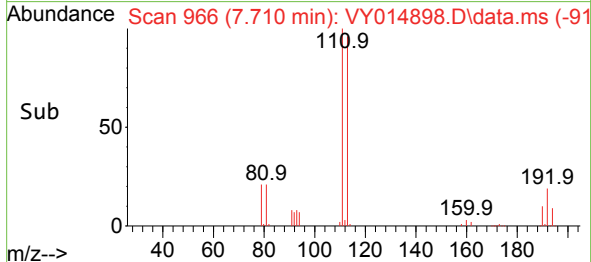
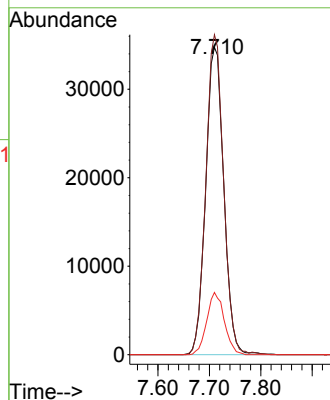
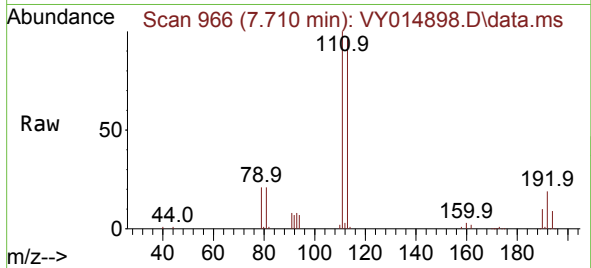




#35  
Dibromofluoromethane  
Concen: 49.746 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

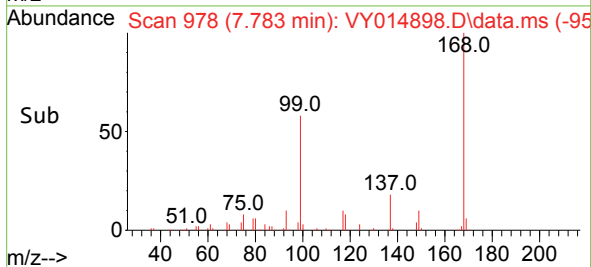
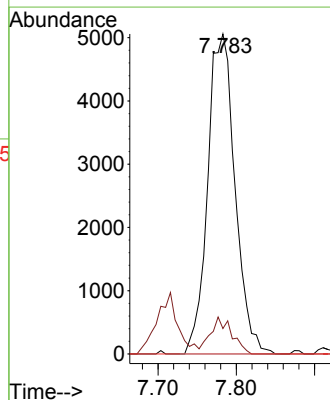
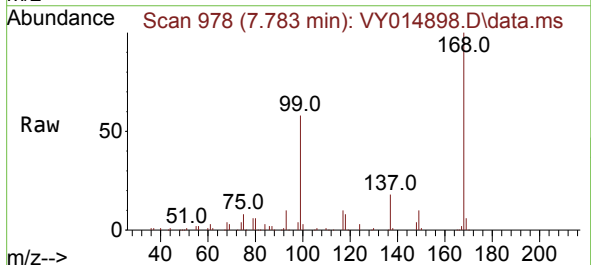
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0728SBL01

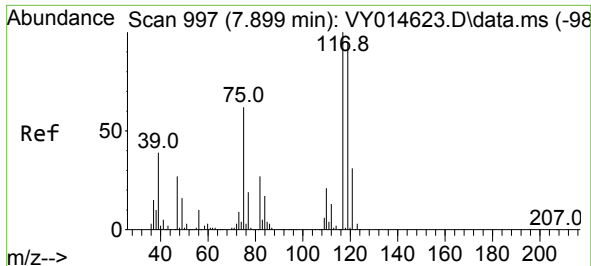
Tgt Ion:113 Resp: 84807  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.3 121.9  
192 19.7 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.808 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

Tgt Ion: 75 Resp: 12258  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.8 53.5#  
77 0.0 24.4 36.6#

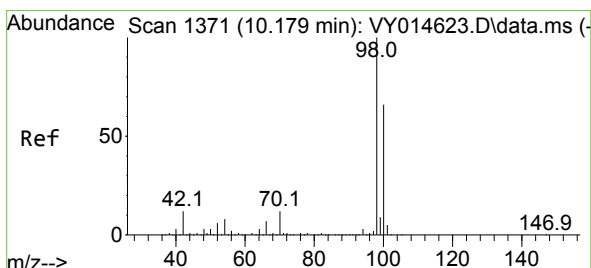
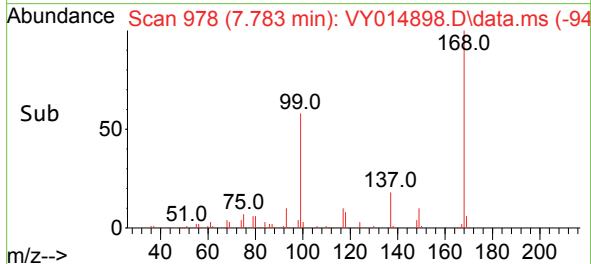
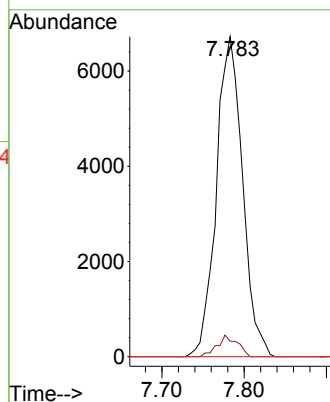
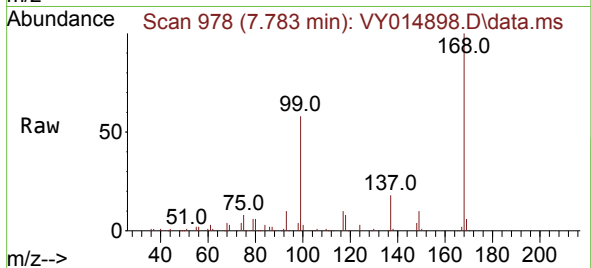




#38  
Carbon Tetrachloride  
Concen: 5.522 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

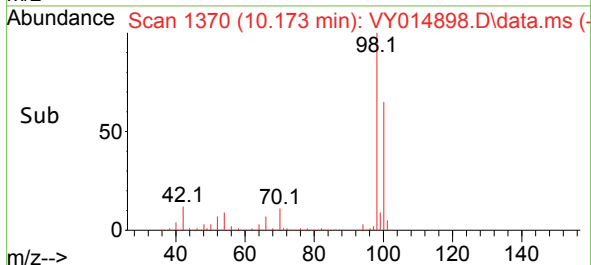
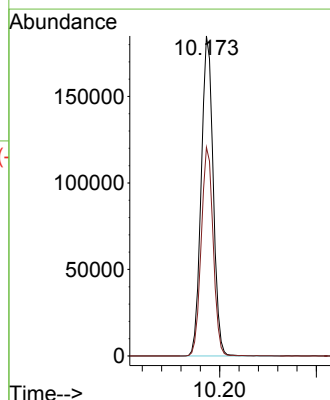
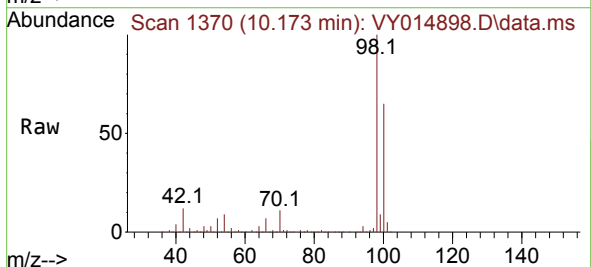
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0728SBL01

Tgt Ion:117 Resp: 14882  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.4 114.6#  
121 0.0 25.8 38.6#

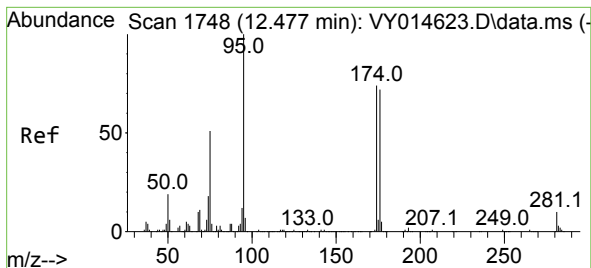


#50  
Toluene-d8  
Concen: 50.413 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.006 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

Tgt Ion: 98 Resp: 316861  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.1 75.1



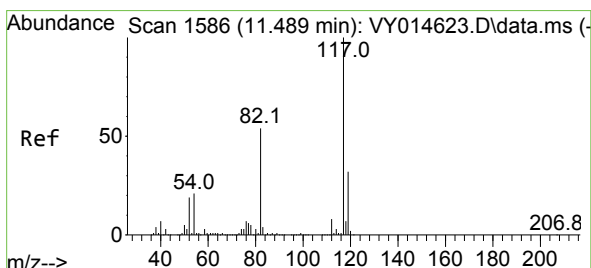
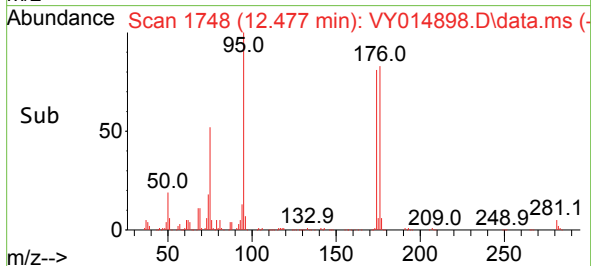
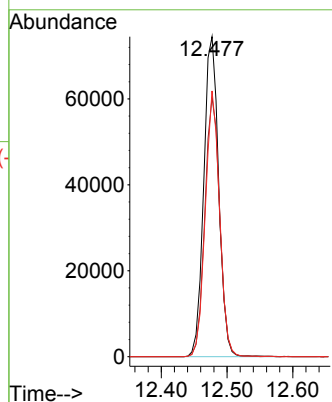
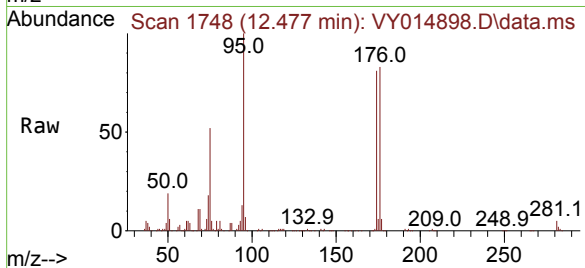




#62  
4-Bromofluorobenzene  
Concen: 48.713 ug/l  
RT: 12.477 min Scan# 117400  
Delta R.T. 0.000 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

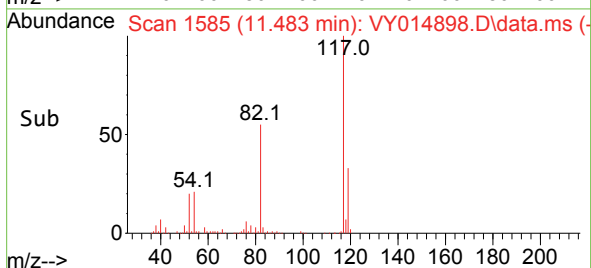
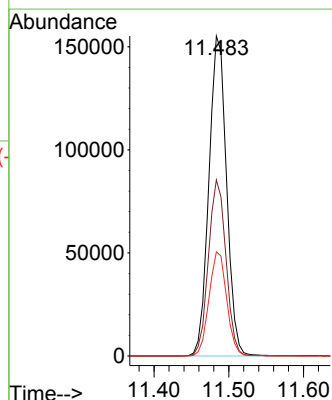
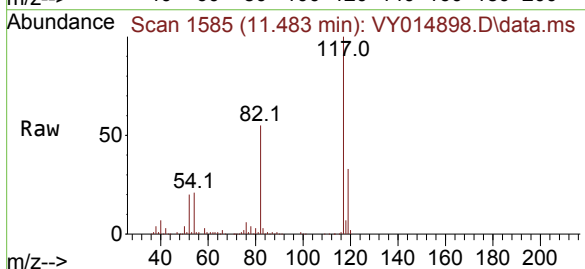
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0728SBL01

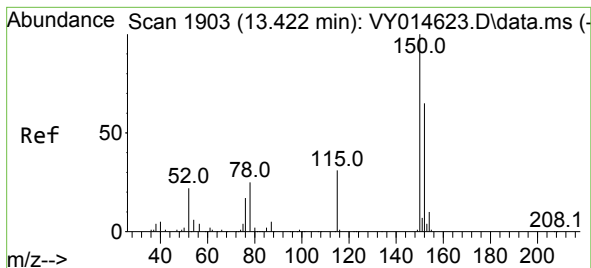
Tgt Ion: 95 Resp: 117400  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 178.2  
176 79.7 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: VY014898.D  
Acq: 28 Jul 2023 10:57

Tgt Ion: 117 Resp: 254571  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.4 65.0  
119 32.6 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: VY014898.D

Acq: 28 Jul 2023 10:57

Instrument :

MSVOA\_Y

ClientSampleId :

VY0728SBL01

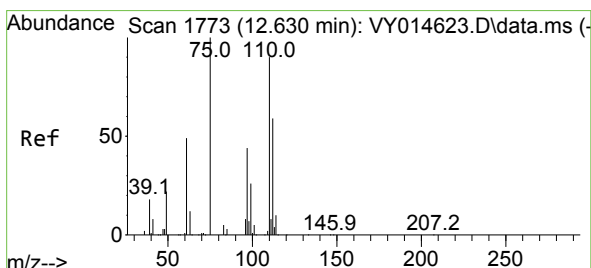
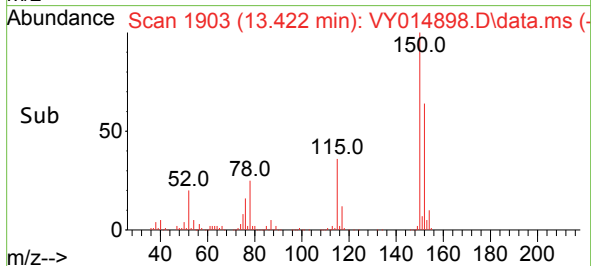
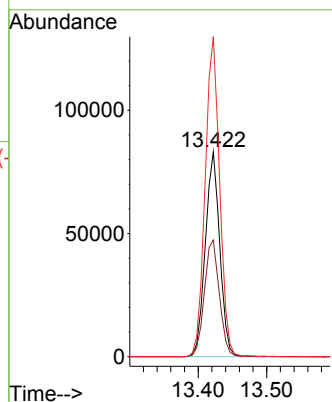
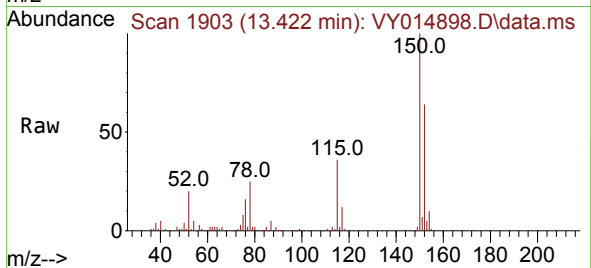
Tgt Ion:152 Resp: 122181

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 156.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.566 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014898.D

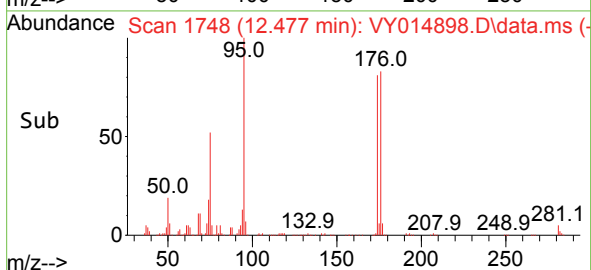
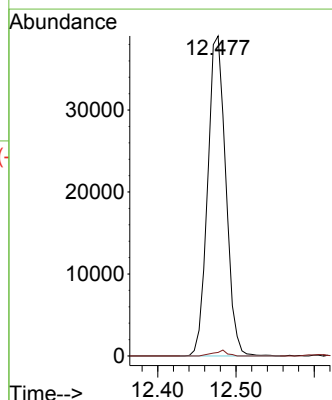
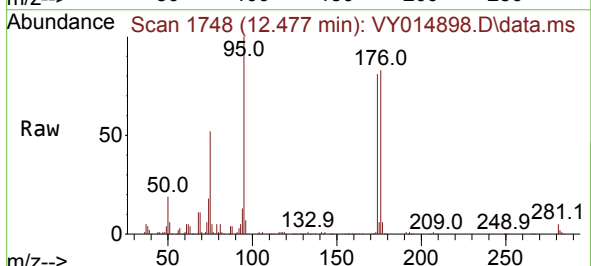
Acq: 28 Jul 2023 10:57

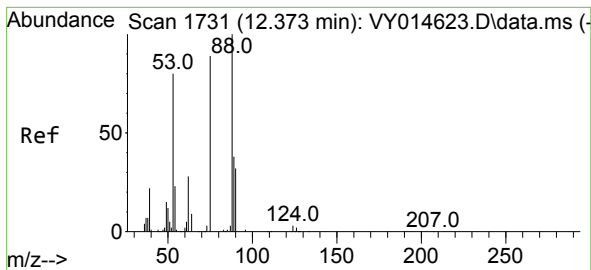
Tgt Ion: 75 Resp: 62598

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 78.543 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY014898.D  
 Acq: 28 Jul 2023 10:57

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0728SBL01

Tgt Ion: 75 Resp: 62598  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.0 37.4 56.0#

