

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120623\  
 Data File : VY016612.D  
 Acq On : 06 Dec 2023 13:47  
 Operator : SY/MD  
 Sample : 05538-01RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 07 00:32:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 05 01:24:25 2023  
 Response via : Initial Calibration

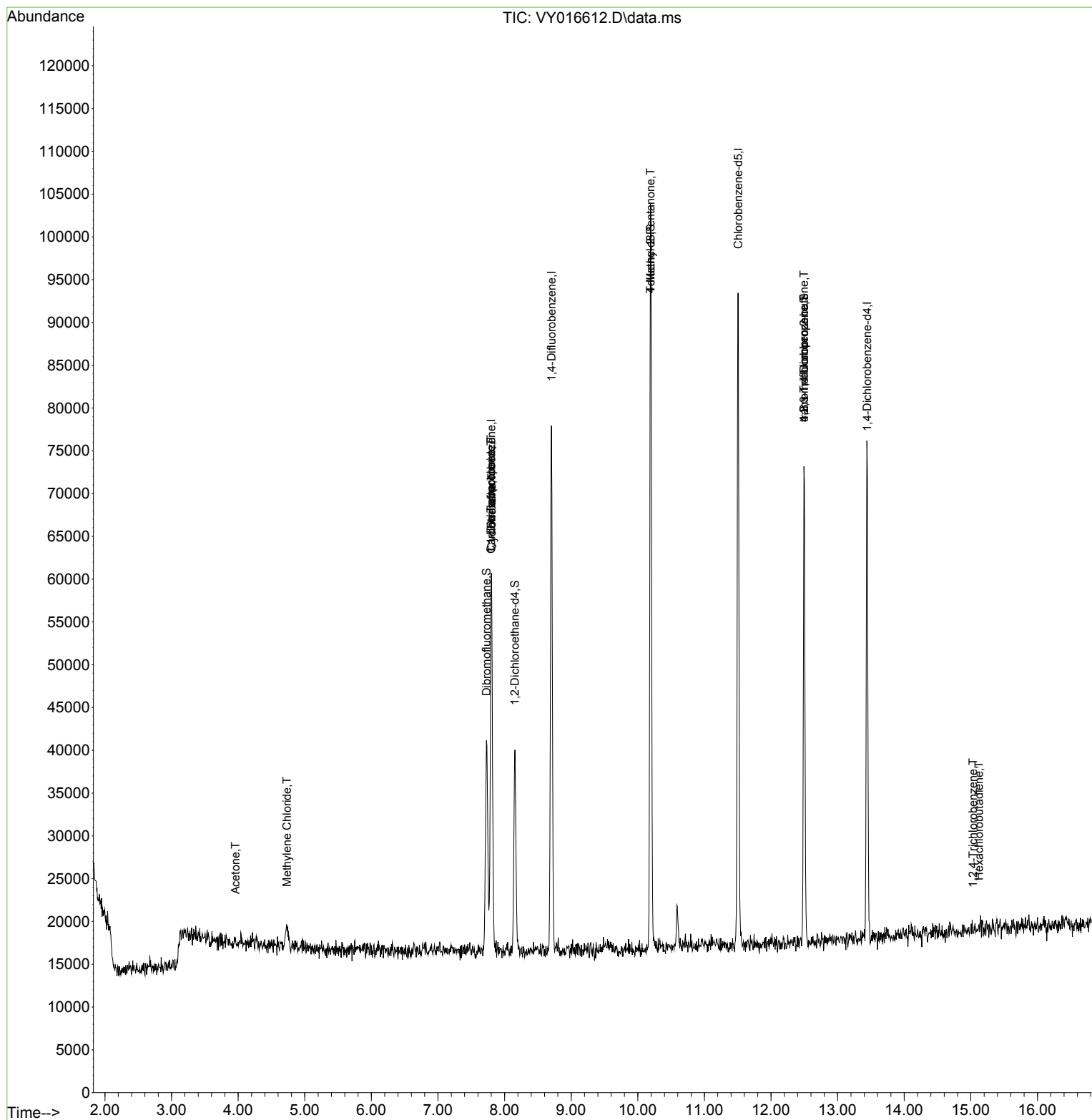
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 35800               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703          | 114  | 53727               | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.508         | 117  | 46546               | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.447         | 152  | 17092               | 50.000    | ug/l   | 0.01     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155          | 65   | 19920               | 60.202    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 120.400% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 17435               | 53.923    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 107.840% |           |        |          |
| 50) Toluene-d8                | 10.191         | 98   | 60202               | 49.224    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 98.440%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.495         | 95   | 16147               | 40.147    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 80.300%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 16) Acetone                   | 3.960          | 43   | 315                 | 4.207     | ug/l # | 46       |
| 20) Methylene Chloride        | 4.735          | 84   | 1872                | 2.468     | ug/l # | 70       |
| 31) Cyclohexane               | 7.807          | 56   | 725                 | 1.283     | ug/l # | 34       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 2410                | 4.903     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 3587                | 6.304     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.191         | 43   | 271                 | 1.314     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.495         | 75   | 8907                | 57.689    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.495         | 75   | 8907                | 130.135   | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.032         | 180  | 281                 | 1.019     | ug/l # | 81       |
| 94) Hexachlorobutadiene       | 15.123         | 225  | 181                 | 1.039     | ug/l # | 26       |
| 95) Naphthalene               | 15.263         | 128  | 500                 | Below Cal | #      | 69       |
| -----                         |                |      |                     |           |        |          |

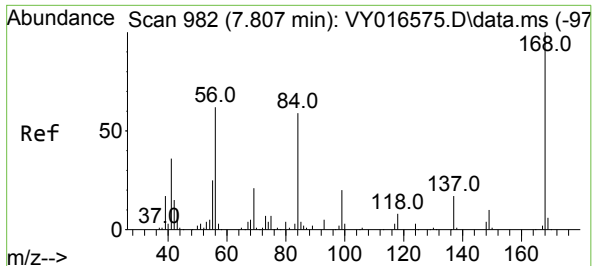
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120623\  
Data File : VY016612.D  
Acq On : 06 Dec 2023 13:47  
Operator : SY/MD  
Sample : 05538-01RE  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

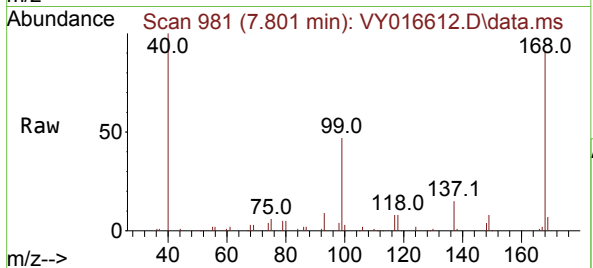
Quant Time: Dec 07 00:32:47 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 05 01:24:25 2023  
Response via : Initial Calibration



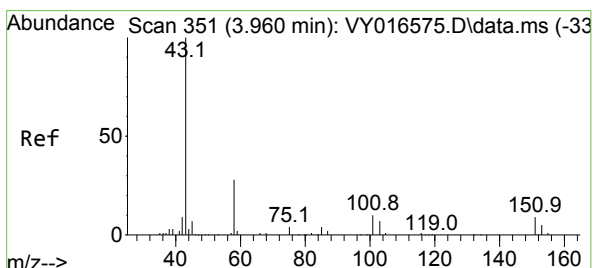
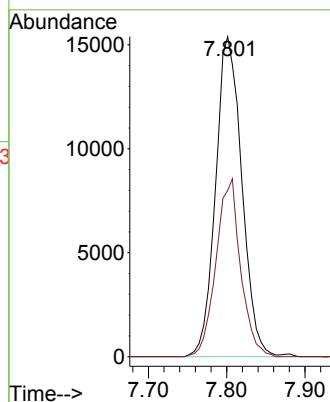
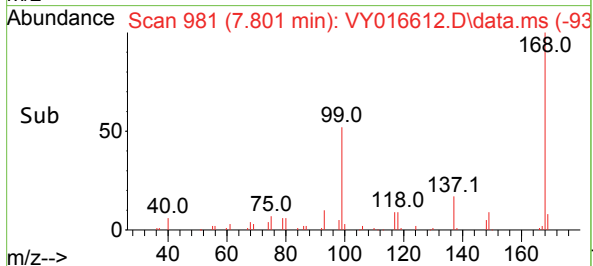


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

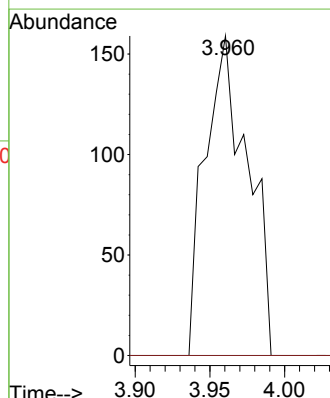
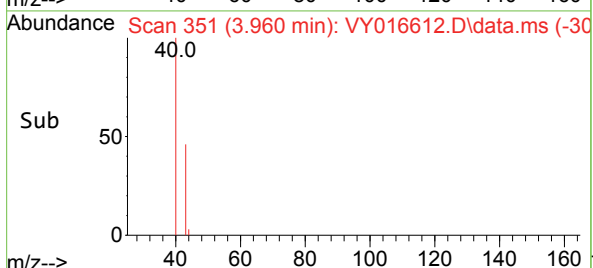
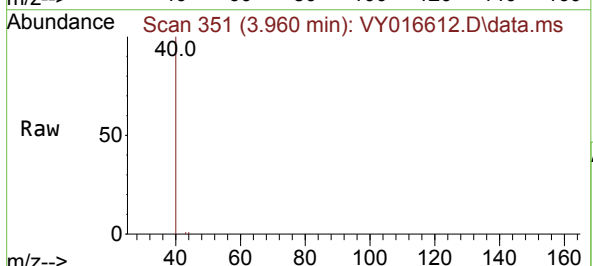


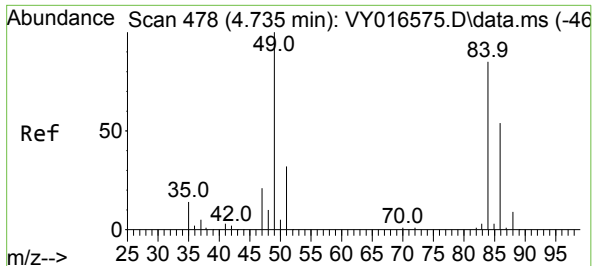
Tgt Ion:168 Resp: 35800  
Ion Ratio Lower Upper  
168 100  
99 51.9 43.4 65.0



#16  
Acetone  
Concen: 4.207 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

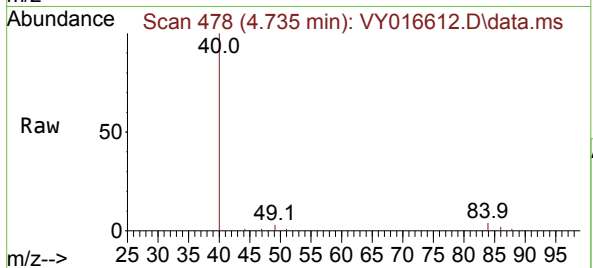
Tgt Ion: 43 Resp: 315  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.7 34.1#



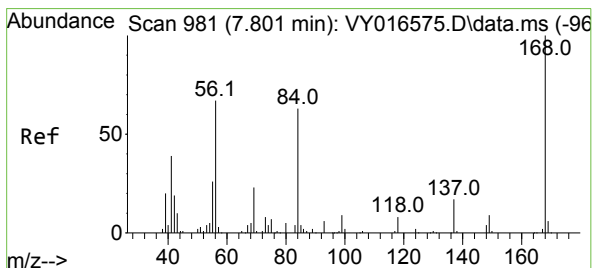
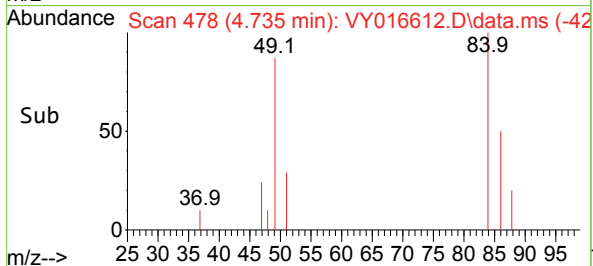
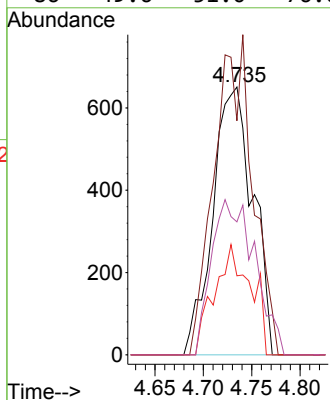


#20  
Methylene Chloride  
Concen: 2.468 ug/l  
RT: 4.735 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

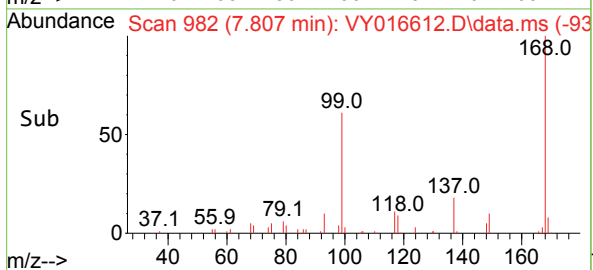
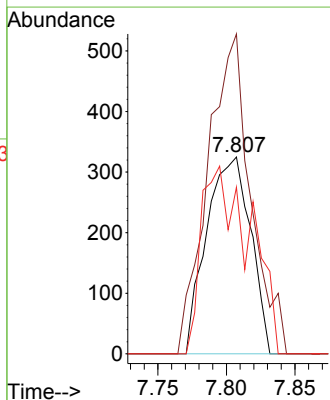
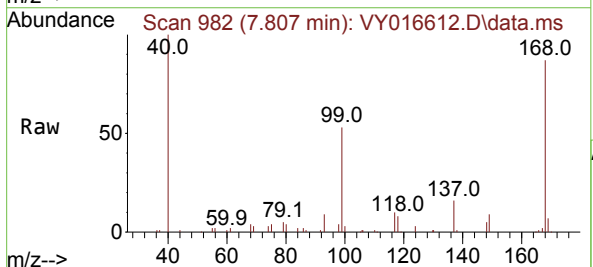


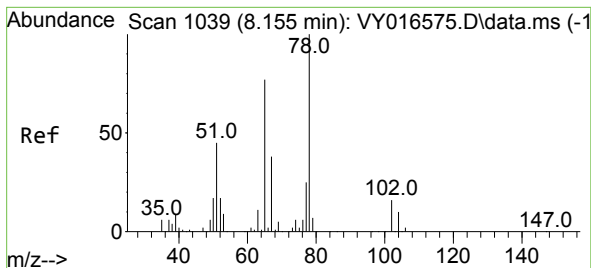
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1872   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 87.4  | 106.9 | 160.3# |
| 51       | 29.5  | 33.2  | 49.8#  |
| 86       | 49.6  | 51.0  | 76.6#  |



#31  
Cyclohexane  
Concen: 1.283 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 725   |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 162.5 | 27.8  | 41.6# |
| 84       | 84.6  | 66.4  | 99.6  |





#33

1,2-Dichloroethane-d4

Concen: 60.202 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016612.D

Acq: 06 Dec 2023 13:47

Instrument :

MSVOA\_Y

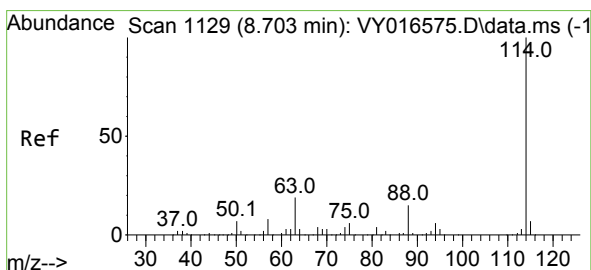
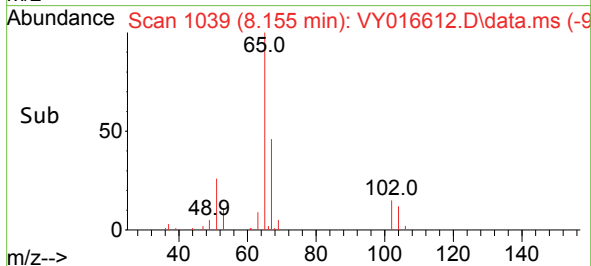
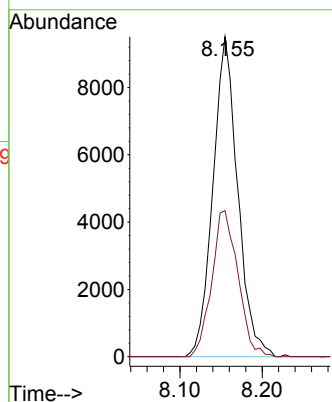
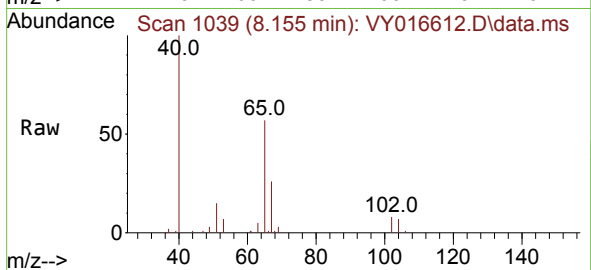
ClientSampleId :

Tgt Ion: 65 Resp: 19920

Ion Ratio Lower Upper

65 100

67 48.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016612.D

Acq: 06 Dec 2023 13:47

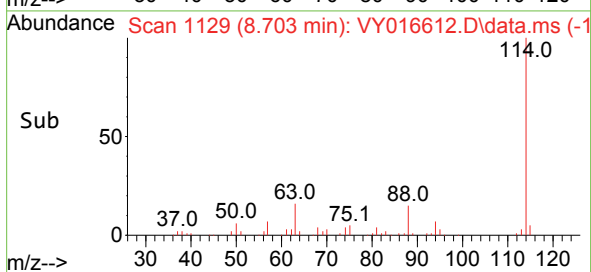
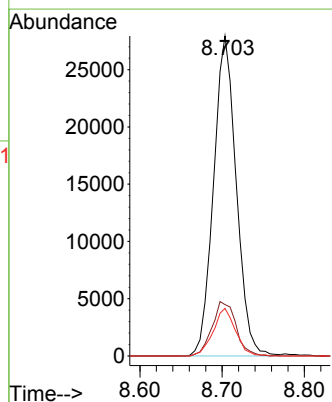
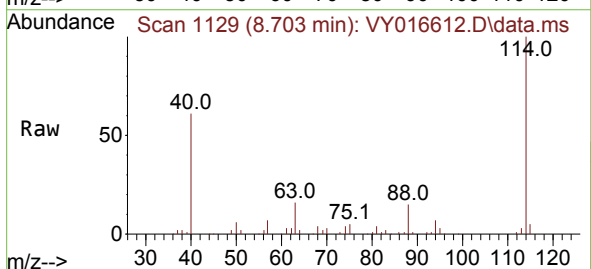
Tgt Ion: 114 Resp: 53727

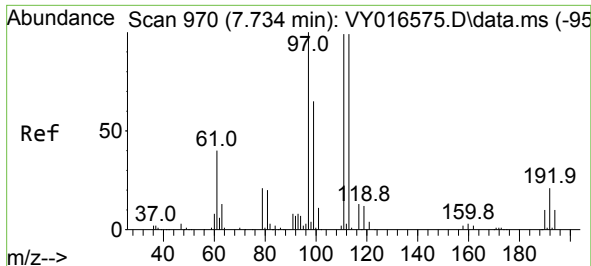
Ion Ratio Lower Upper

114 100

63 16.0 0.0 42.4

88 14.9 0.0 30.6

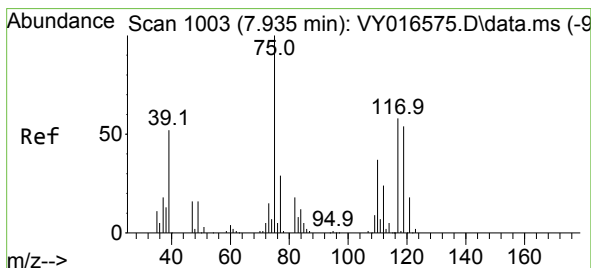
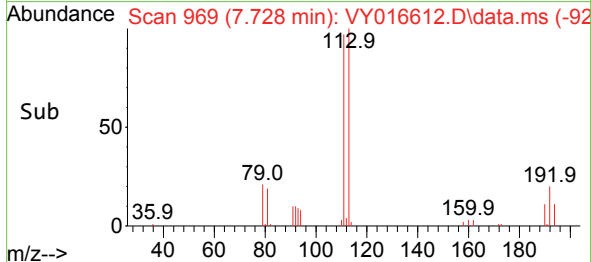
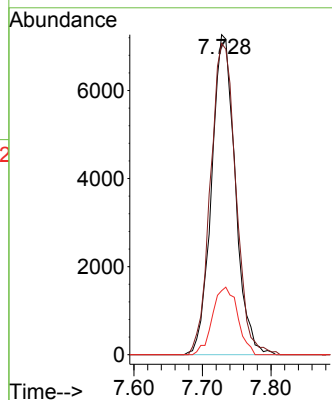
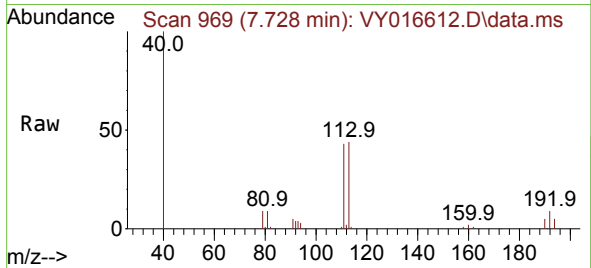




#35  
Dibromofluoromethane  
Concen: 53.923 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

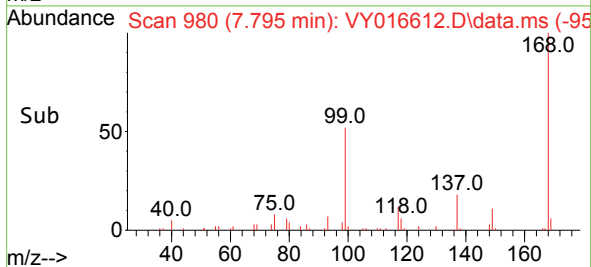
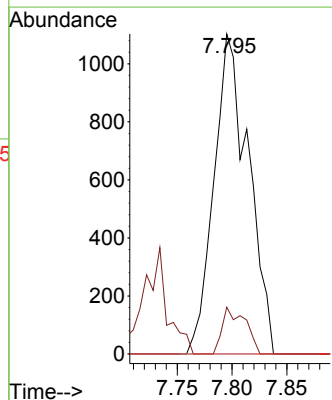
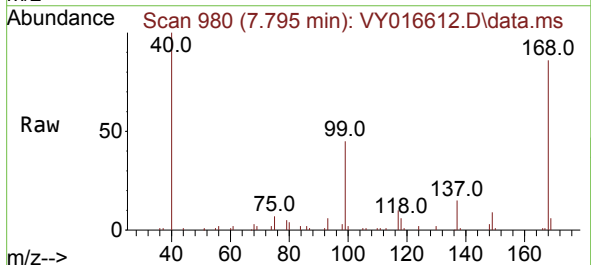
Instrument :  
MSVOA\_Y  
ClientSampleId :

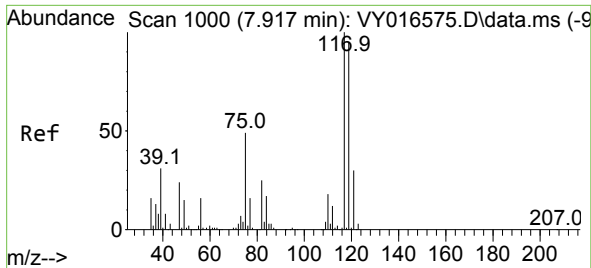
Tgt Ion:113 Resp: 17435  
Ion Ratio Lower Upper  
113 100  
111 104.2 81.3 121.9  
192 22.4 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.903 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.140 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

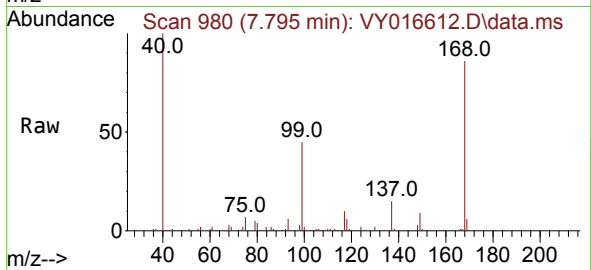
Tgt Ion: 75 Resp: 2410  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.8 53.5#  
77 0.0 24.4 36.6#



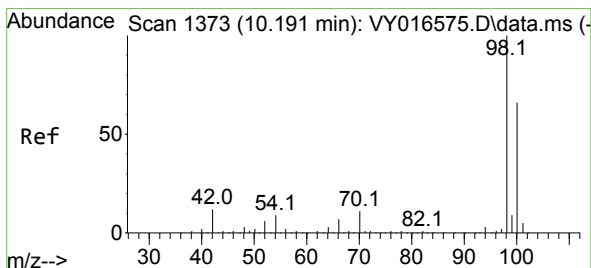
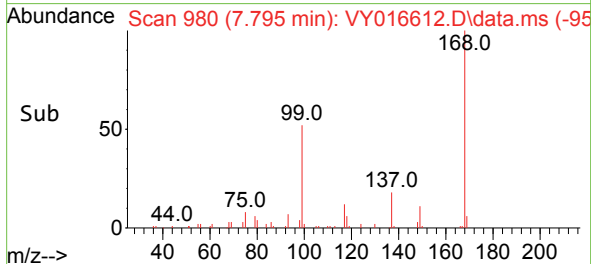
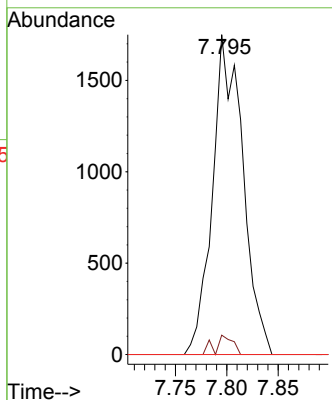


#38  
Carbon Tetrachloride  
Concen: 6.304 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

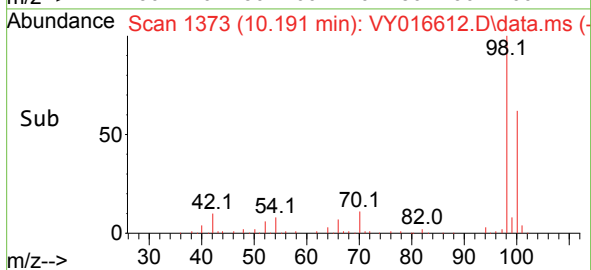
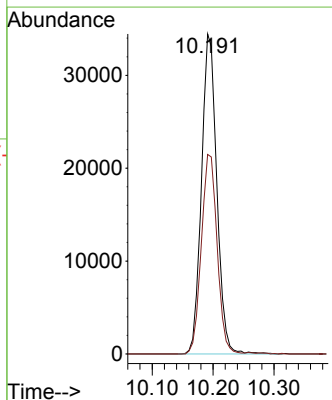
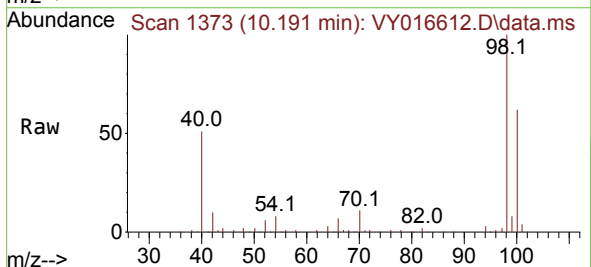


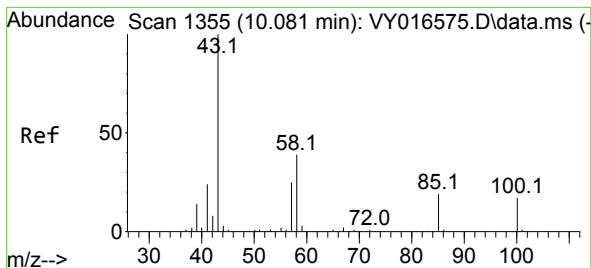
Tgt Ion:117 Resp: 3587  
Ion Ratio Lower Upper  
117 100  
119 6.1 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 49.224 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. -0.000 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

Tgt Ion: 98 Resp: 60202  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.1 75.1

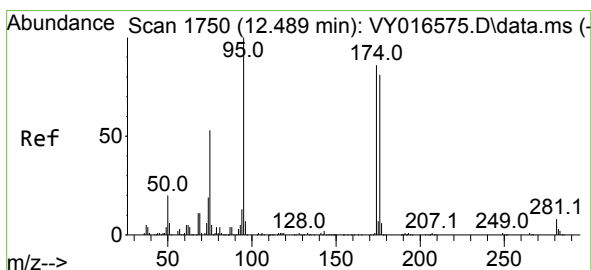
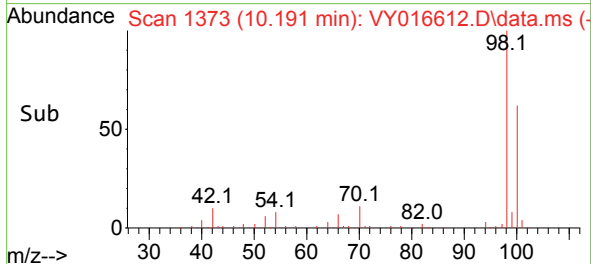
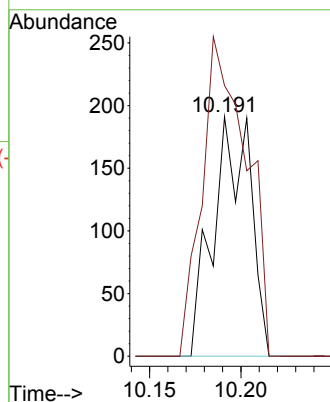
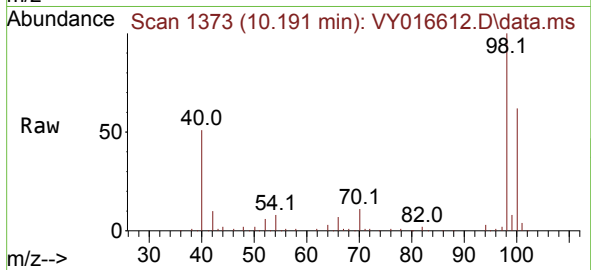




#51  
4-Methyl-2-Pentanone  
Concen: 1.314 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. 0.110 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

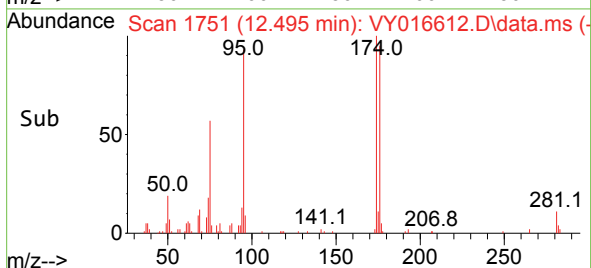
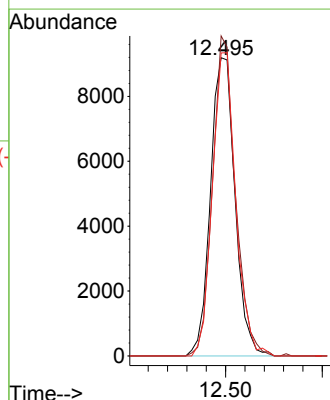
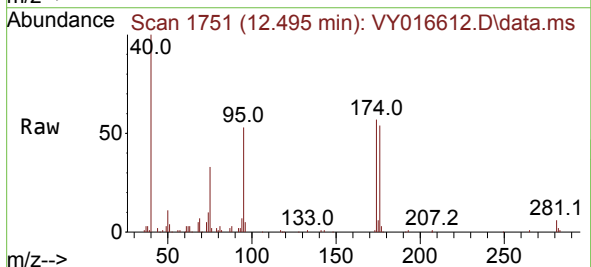
Instrument :  
MSVOA\_Y  
ClientSampleId :

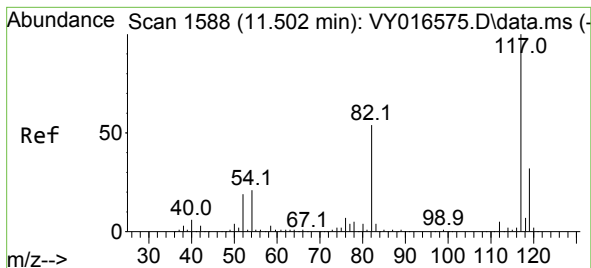
Tgt Ion: 43 Resp: 271  
Ion Ratio Lower Upper  
43 100  
58 158.7 29.0 43.6#



#62  
4-Bromofluorobenzene  
Concen: 40.147 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

Tgt Ion: 95 Resp: 16147  
Ion Ratio Lower Upper  
95 100  
174 99.6 0.0 178.2  
176 97.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016612.D

Acq: 06 Dec 2023 13:47

Instrument :

MSVOA\_Y

ClientSampleId :

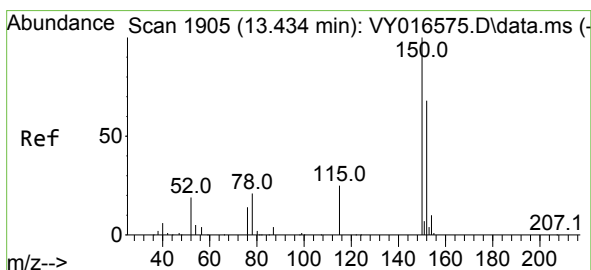
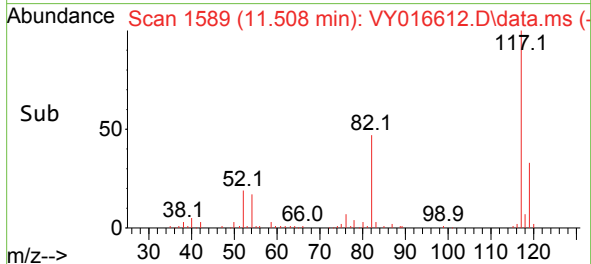
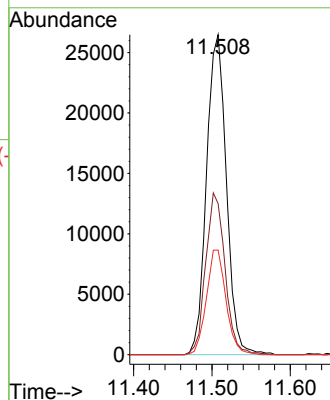
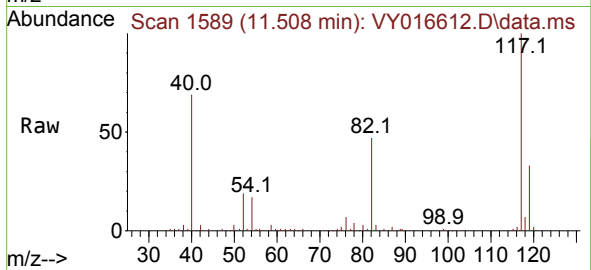
Tgt Ion:117 Resp: 46546

Ion Ratio Lower Upper

117 100

82 47.2 43.4 65.0

119 32.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016612.D

Acq: 06 Dec 2023 13:47

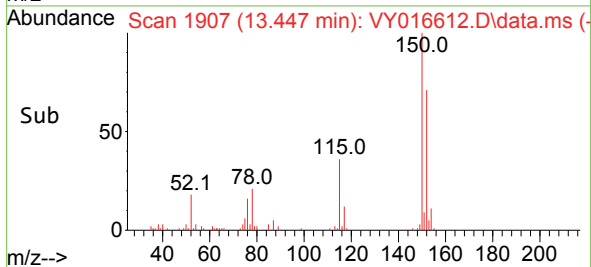
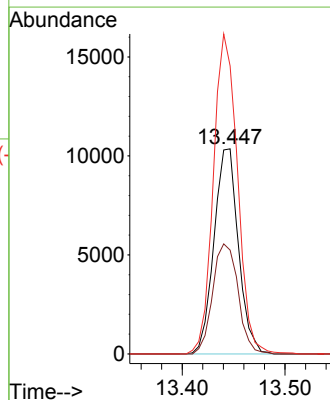
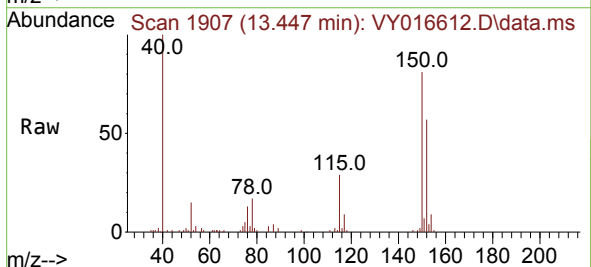
Tgt Ion:152 Resp: 17092

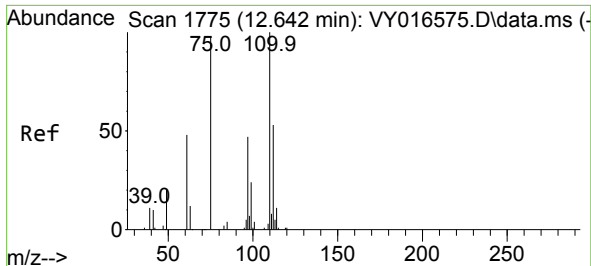
Ion Ratio Lower Upper

152 100

115 55.8 28.8 86.5

150 153.9 0.0 348.8

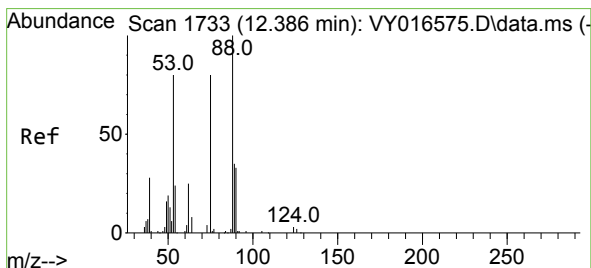
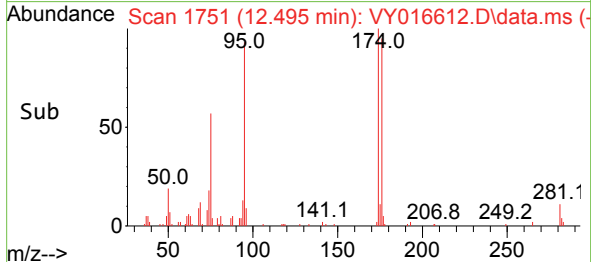
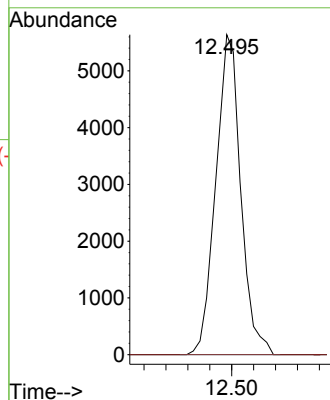
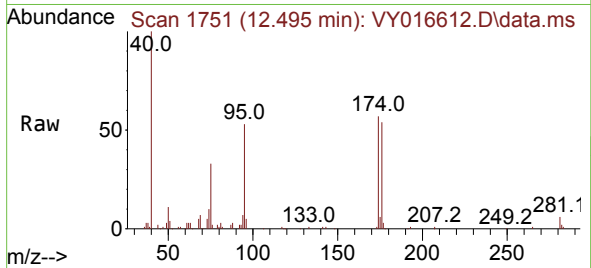




#76  
1,2,3-Trichloropropane  
Concen: 57.689 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. -0.146 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

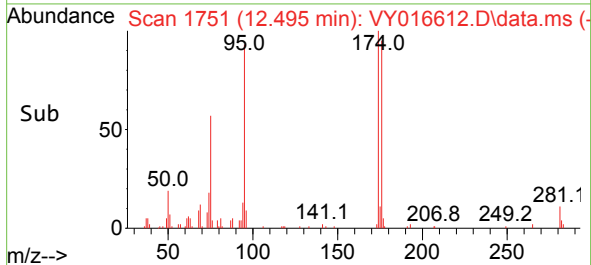
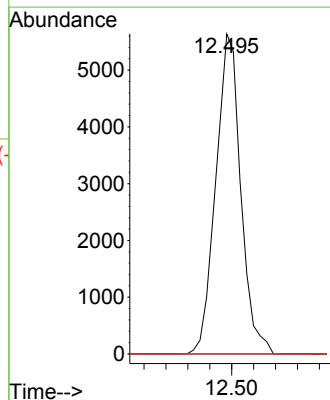
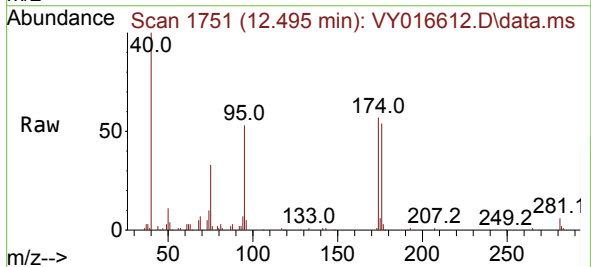
Instrument :  
MSVOA\_Y  
ClientSampleId :

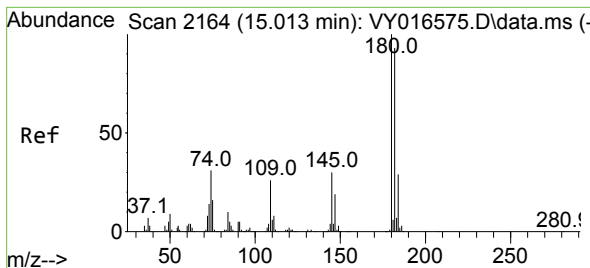
Tgt Ion: 75 Resp: 8907  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 130.135 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.110 min  
Lab File: VY016612.D  
Acq: 06 Dec 2023 13:47

Tgt Ion: 75 Resp: 8907  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.019 ug/l

RT: 15.032 min Scan# 2167

Delta R.T. 0.018 min

Lab File: VY016612.D

Acq: 06 Dec 2023 13:47

Instrument :

MSVOA\_Y

ClientSampleId :

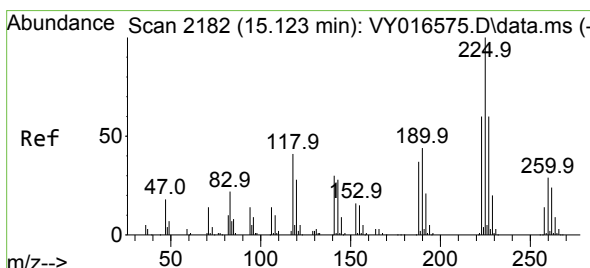
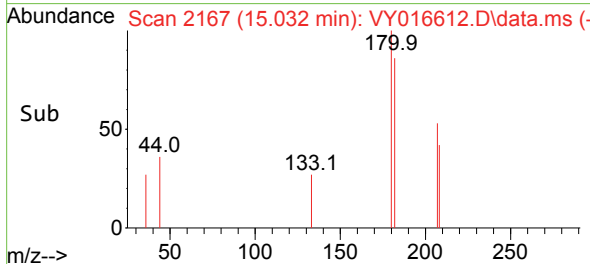
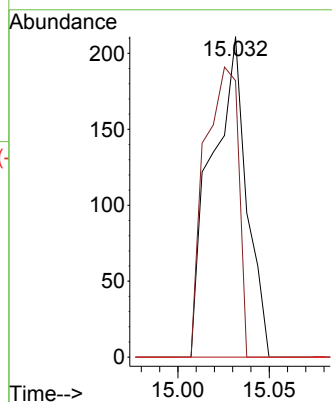
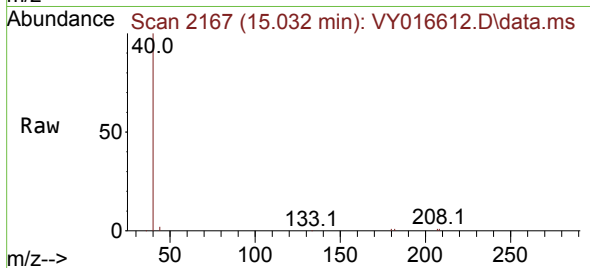
Tgt Ion:180 Resp: 281

Ion Ratio Lower Upper

180 100

182 86.8 47.0 141.2

145 0.0 14.5 43.5#



#94

Hexachlorobutadiene

Concen: 1.039 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY016612.D

Acq: 06 Dec 2023 13:47

Tgt Ion:225 Resp: 181

Ion Ratio Lower Upper

225 100

223 13.3 31.9 95.9#

227 0.0 33.0 98.9#

