

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061724\  
 Data File : VY018612.D  
 Acq On : 17 Jun 2024 16:12  
 Operator : SY/MD  
 Sample : P2883-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 18 01:25:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 Response via : Initial Calibration

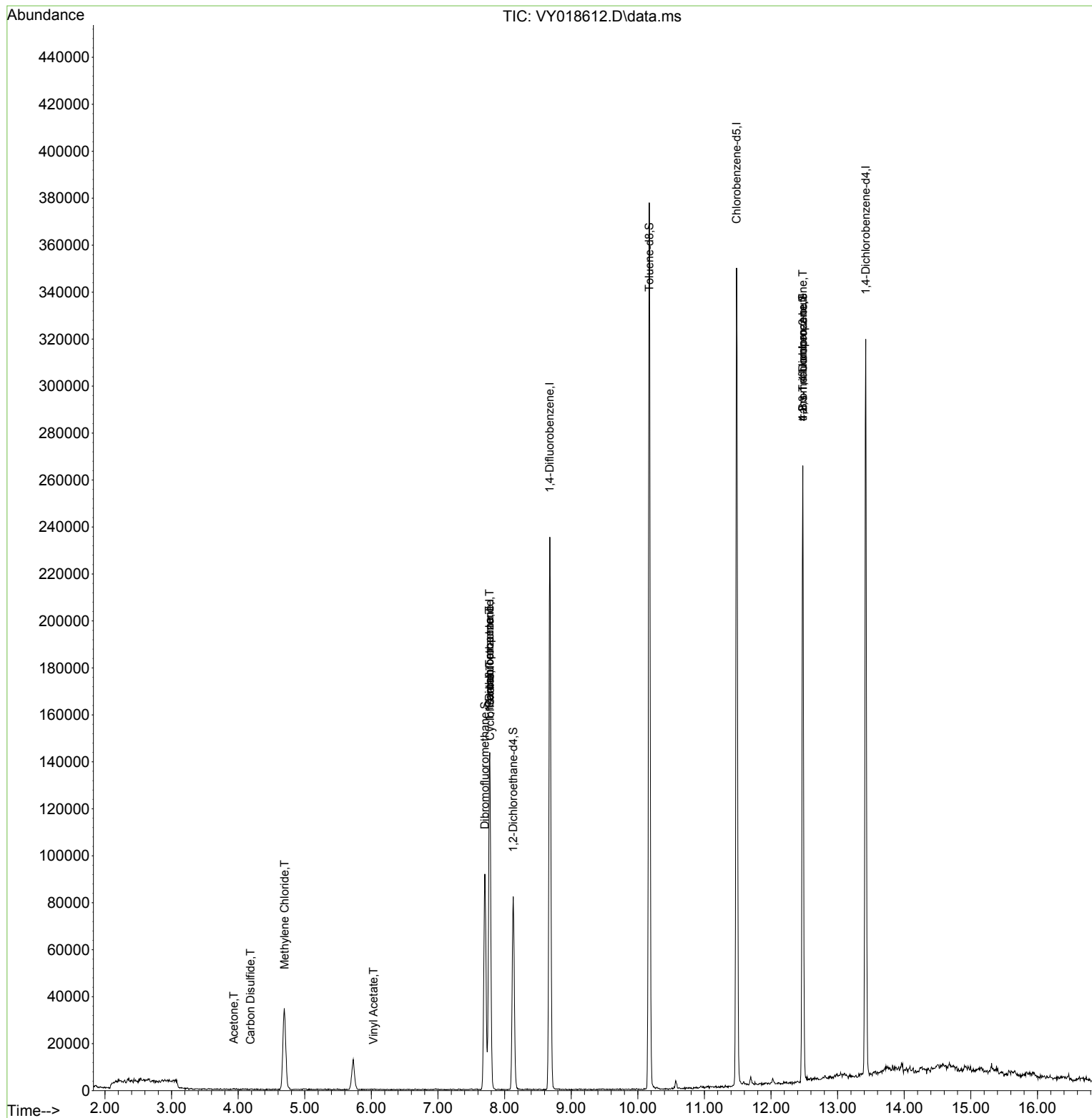
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.777     | 168   | 109936   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.679     | 114   | 204222   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.483    | 117   | 191815   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 78102    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.130     | 65    | 63044    | 56.959   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 113.920% |          |
| 35) Dibromofluoromethane      | 7.704     | 113   | 63789    | 51.204   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 102.400% |          |
| 50) Toluene-d8                | 10.173    | 98    | 246059   | 51.360   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 102.720% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 77043    | 50.927   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 101.860% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.936     | 43    | 442      | 1.963    | ug/l #     | 36       |
| 17) Carbon Disulfide          | 4.186     | 76    | 28       | 2.227    | ug/l #     | 76       |
| 20) Methylene Chloride        | 4.698     | 84    | 26966    | 12.757   | ug/l       | 94       |
| 23) Vinyl Acetate             | 6.033     | 43    | 62       | 23.714   | ug/l #     | 67       |
| 31) Cyclohexane               | 7.783     | 56    | 2574     | 1.518    | ug/l #     | 17       |
| 36) 1,1-Dichloropropene       | 7.771     | 75    | 8484     | 4.948    | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.777     | 117   | 10639    | 5.914    | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 41538    | 56.697   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 41538    | 148.511  | ug/l #     | 16       |
| -----                         |           |       |          |          |            |          |

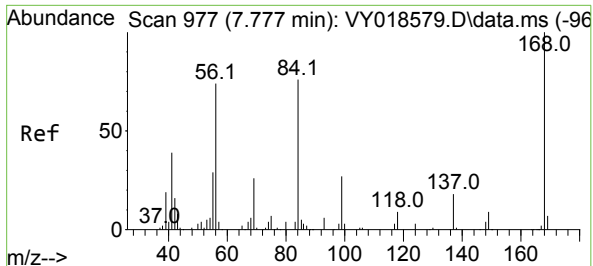
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

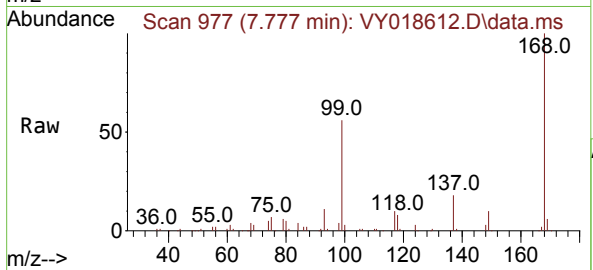
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 14 07:08:24 2024  
Response via : Initial Calibration



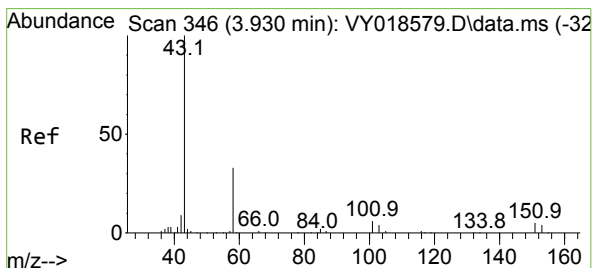
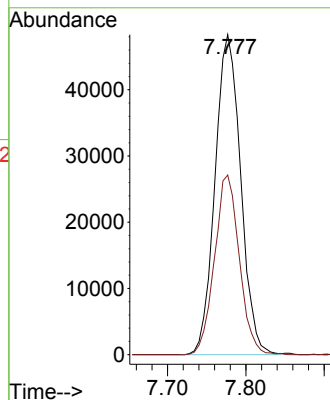
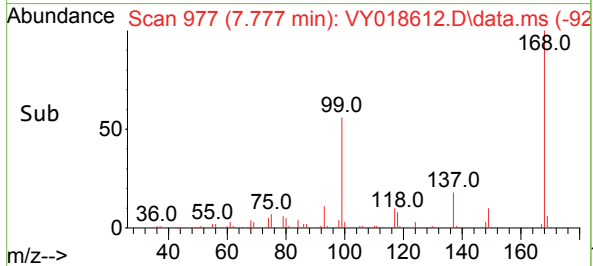


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

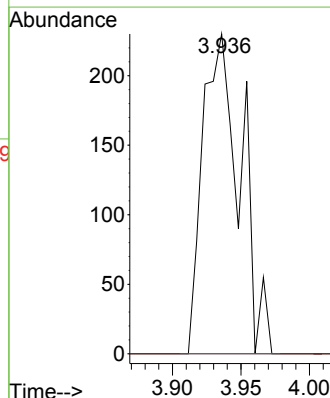
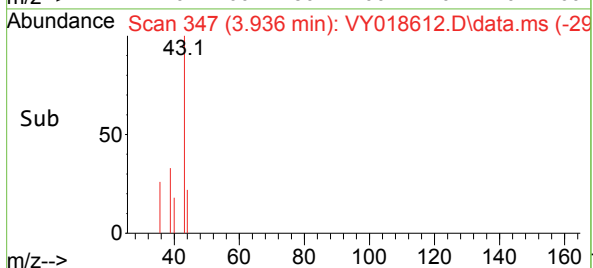
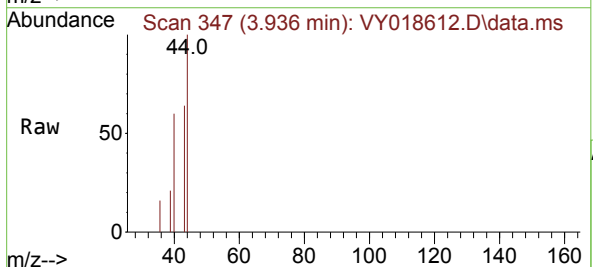


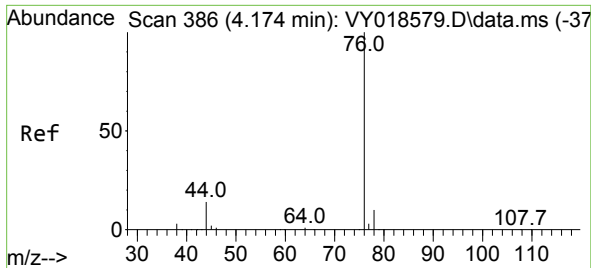
Tgt Ion:168 Resp: 109936  
Ion Ratio Lower Upper  
168 100  
99 56.2 39.1 58.7



#16  
Acetone  
Concen: 1.963 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. 0.006 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

Tgt Ion: 43 Resp: 442  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#

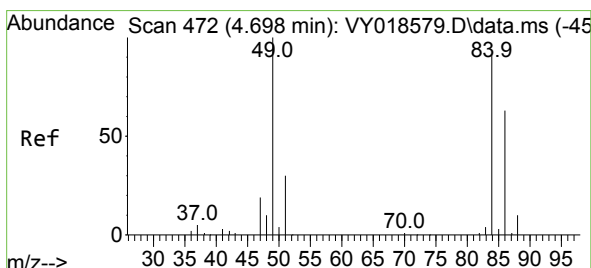
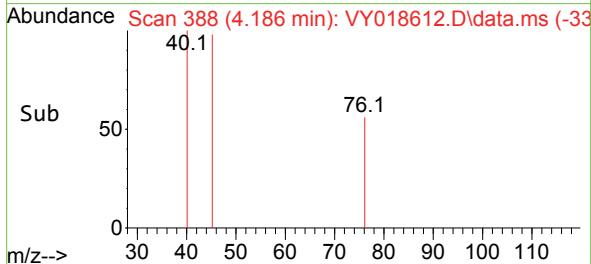
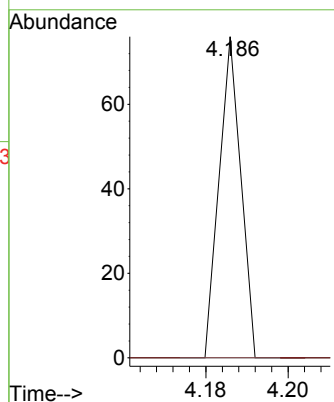
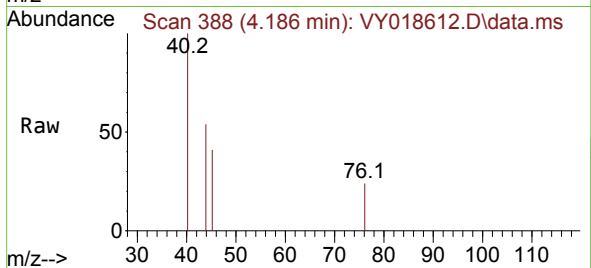




#17  
Carbon Disulfide  
Concen: 2.227 ug/l  
RT: 4.186 min Scan# 386  
Delta R.T. 0.012 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

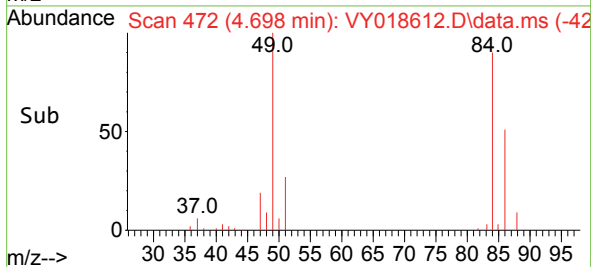
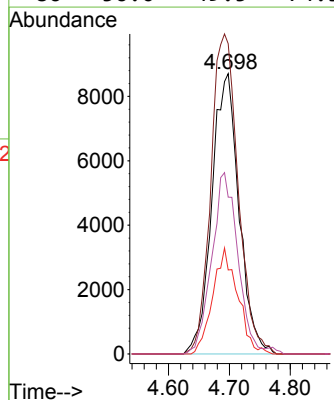
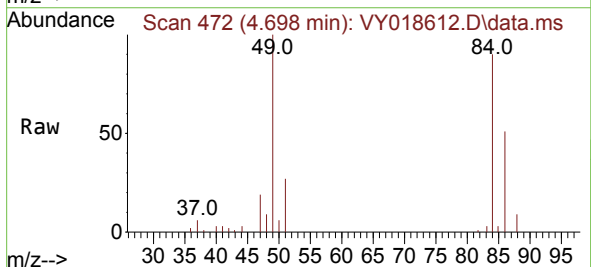
Instrument :  
MSVOA\_Y  
ClientSampleId :

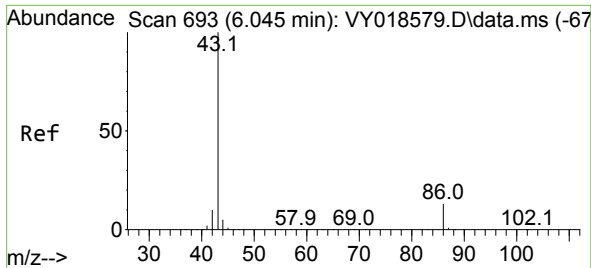
Tgt Ion: 76 Resp: 28  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.8 10.2#



#20  
Methylene Chloride  
Concen: 12.757 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.000 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

Tgt Ion: 84 Resp: 26966  
Ion Ratio Lower Upper  
84 100  
49 110.7 84.4 126.6  
51 30.0 26.0 39.0  
86 56.0 49.5 74.3

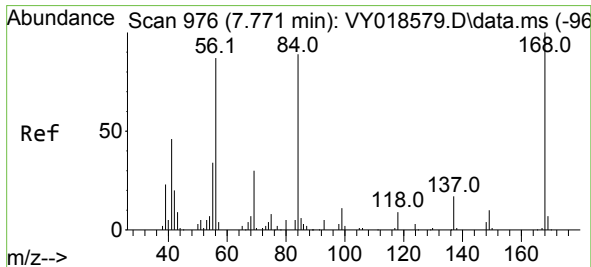
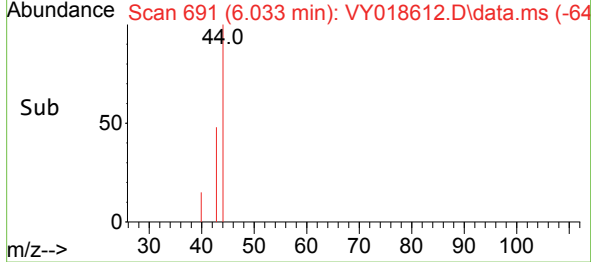
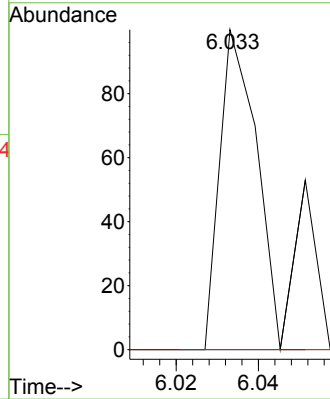
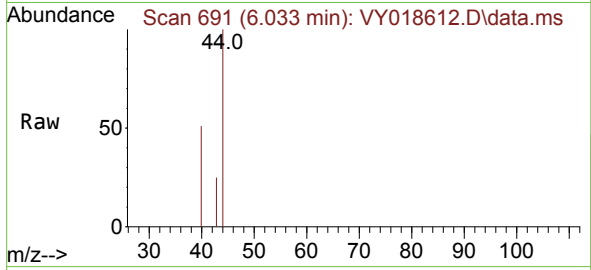




#23  
 Vinyl Acetate  
 Concen: 23.714 ug/l  
 RT: 6.033 min Scan# 61  
 Delta R.T. -0.012 min  
 Lab File: VY018612.D  
 Acq: 17 Jun 2024 16:12

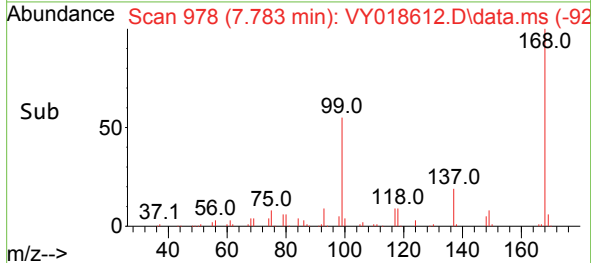
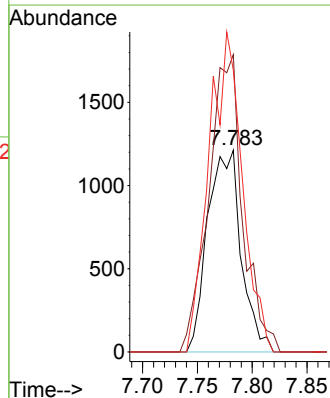
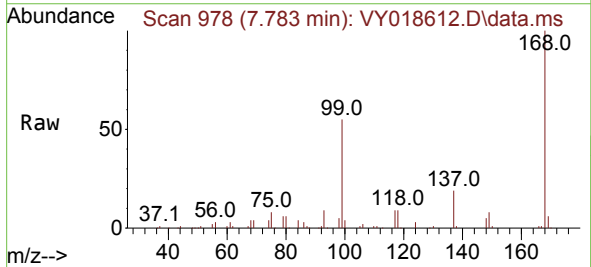
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

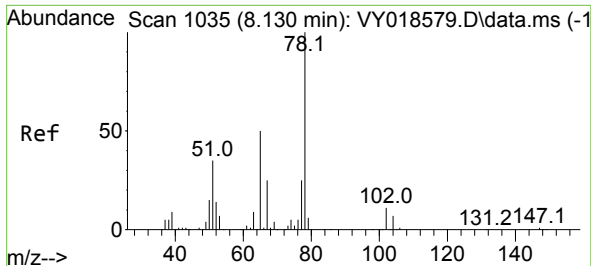
Tgt Ion: 43 Resp: 62  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 10.6 16.0#



#31  
 Cyclohexane  
 Concen: 1.518 ug/l  
 RT: 7.783 min Scan# 978  
 Delta R.T. 0.012 min  
 Lab File: VY018612.D  
 Acq: 17 Jun 2024 16:12

Tgt Ion: 56 Resp: 2574  
 Ion Ratio Lower Upper  
 56 100  
 69 147.4 28.7 43.1#  
 84 139.7 77.7 116.5#

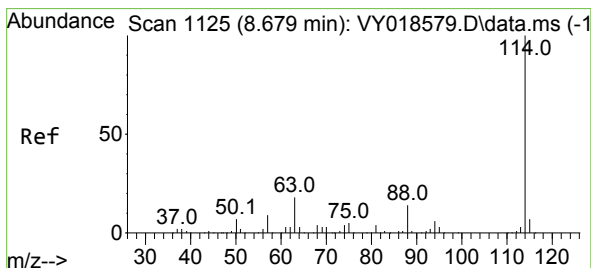
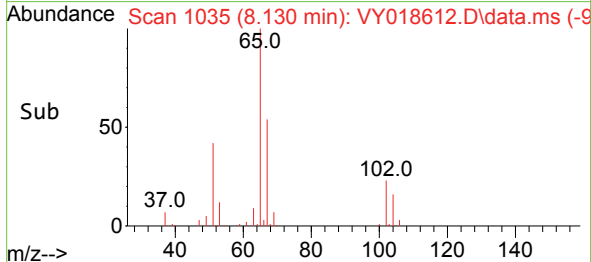
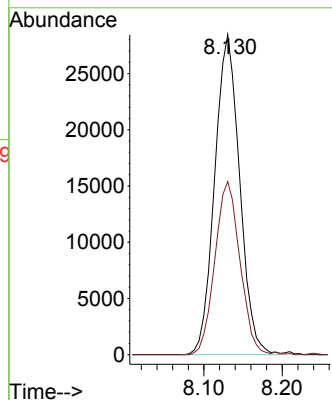
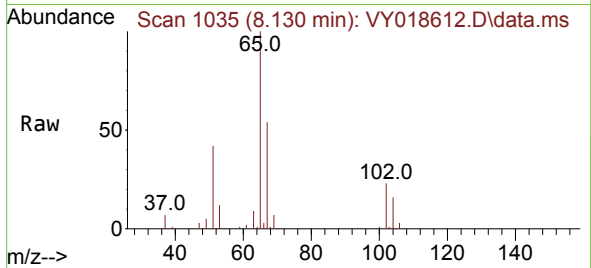




#33  
1,2-Dichloroethane-d4  
Concen: 56.959 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

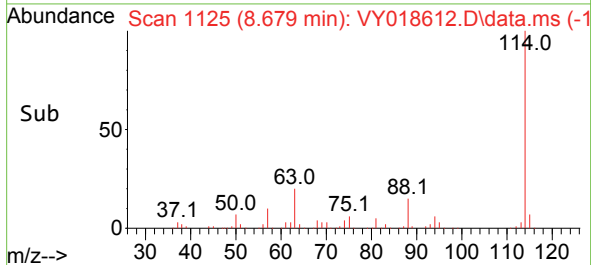
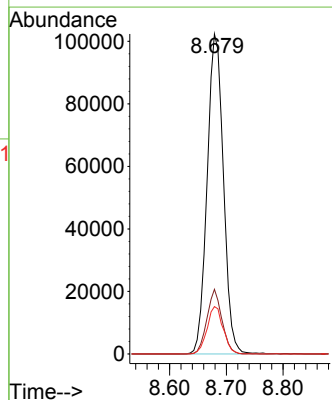
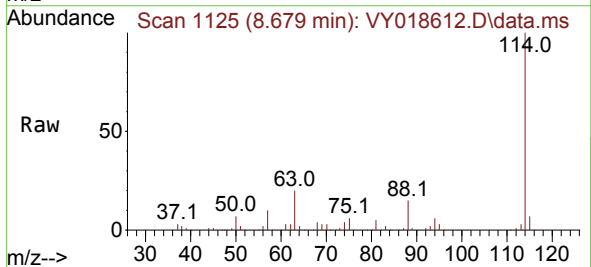
Instrument :  
MSVOA\_Y  
ClientSampleId :

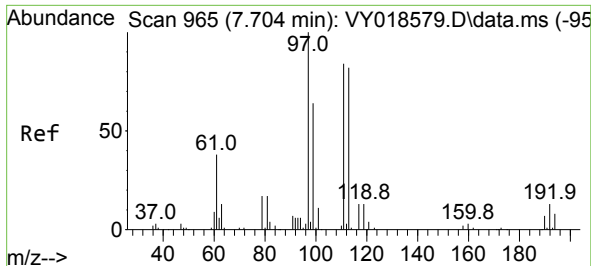
Tgt Ion: 65 Resp: 63044  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.679 min Scan# 1125  
Delta R.T. -0.000 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

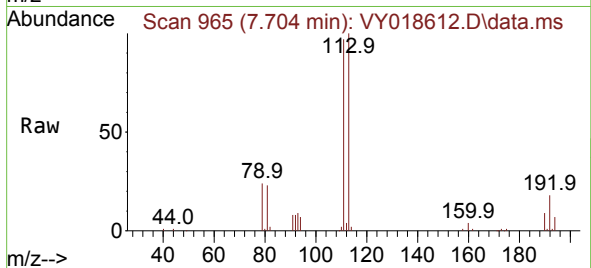
Tgt Ion:114 Resp: 204222  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 35.0  
88 14.8 0.0 27.2



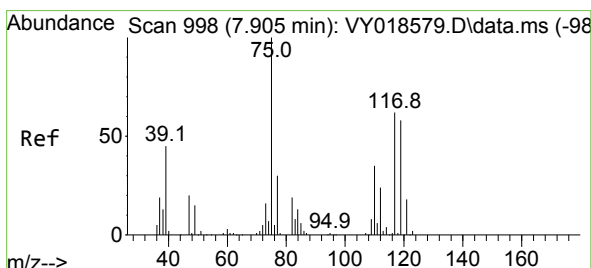
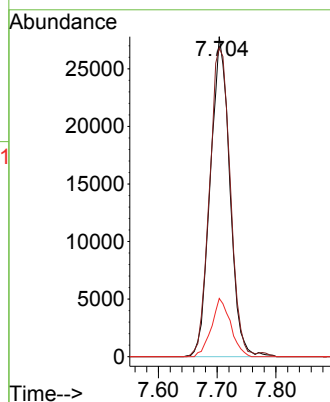
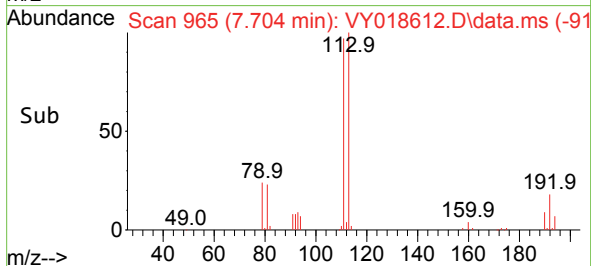


#35  
Dibromofluoromethane  
Concen: 51.204 ug/l  
RT: 7.704 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

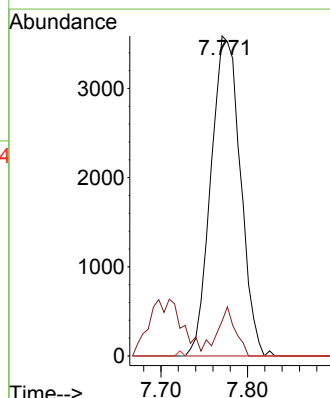
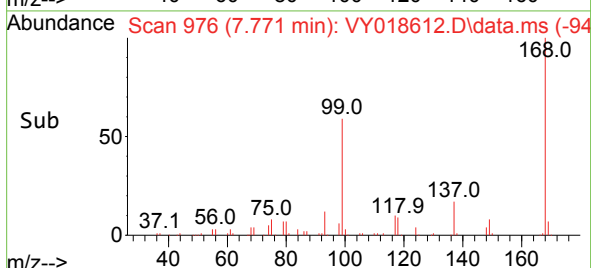
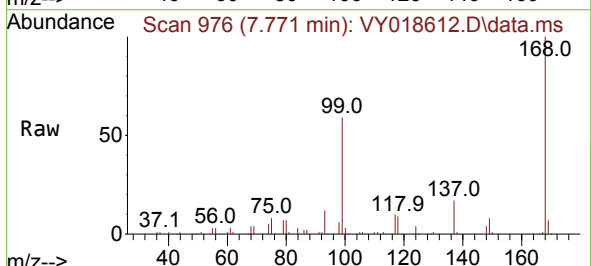


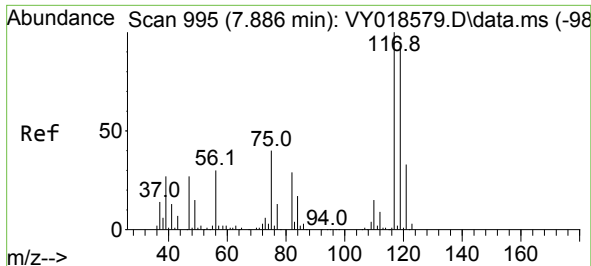
Tgt Ion:113 Resp: 63789  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.2 123.4  
192 17.9 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 4.948 ug/l  
RT: 7.771 min Scan# 976  
Delta R.T. -0.134 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

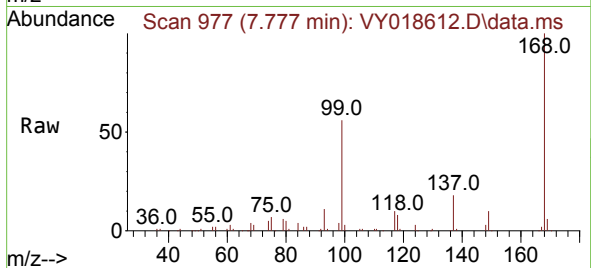
Tgt Ion: 75 Resp: 8484  
Ion Ratio Lower Upper  
75 100  
110 9.5 19.0 57.0#  
77 0.0 25.3 37.9#



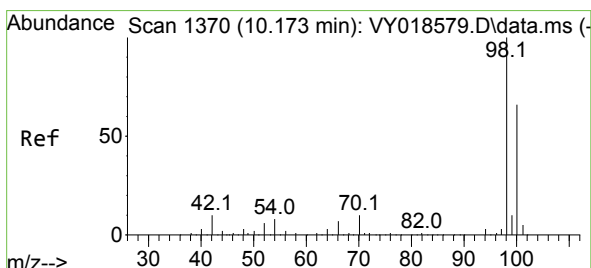
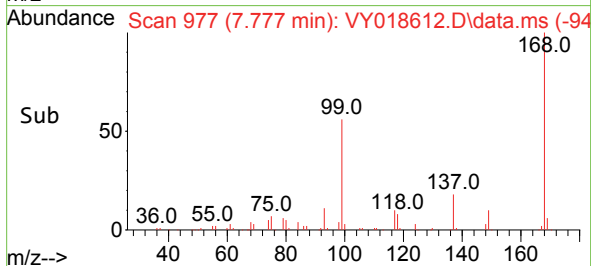
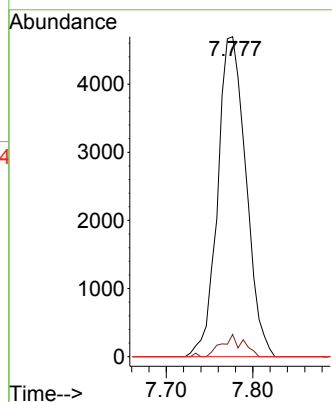


#38  
Carbon Tetrachloride  
Concen: 5.914 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

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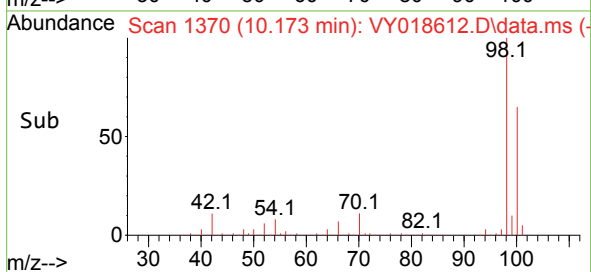
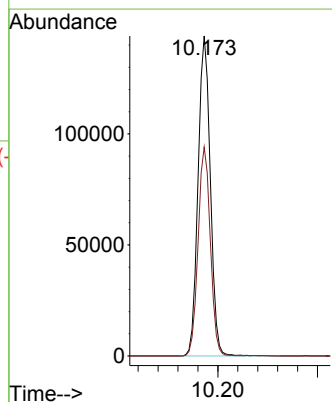
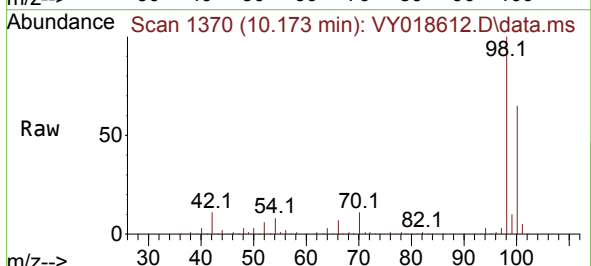


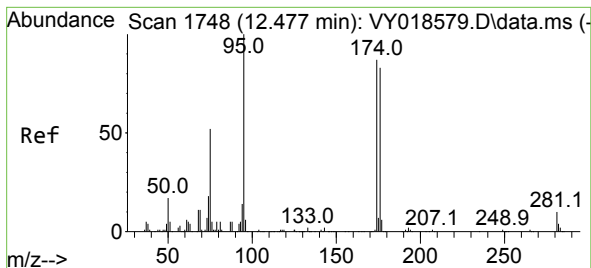
Tgt Ion:117 Resp: 10639  
Ion Ratio Lower Upper  
117 100  
119 6.9 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 51.360 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.000 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

Tgt Ion: 98 Resp: 246059  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0

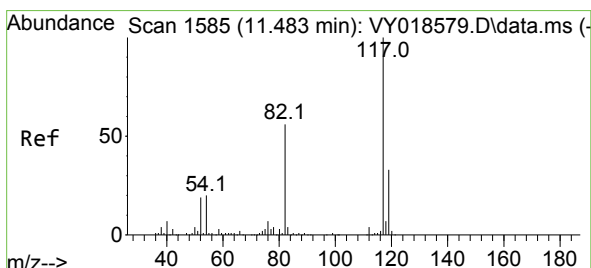
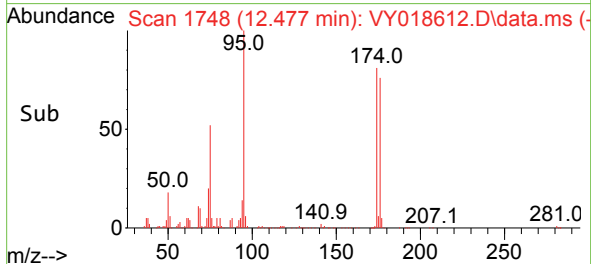
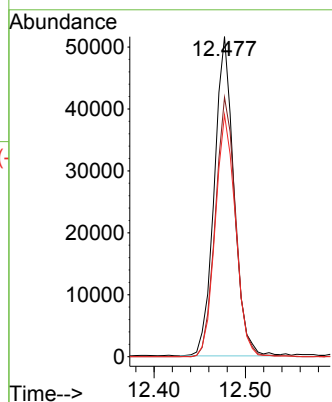
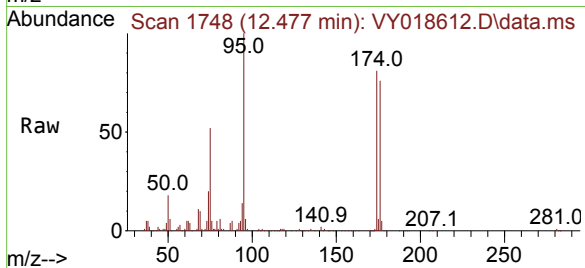




#62  
4-Bromofluorobenzene  
Concen: 50.927 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

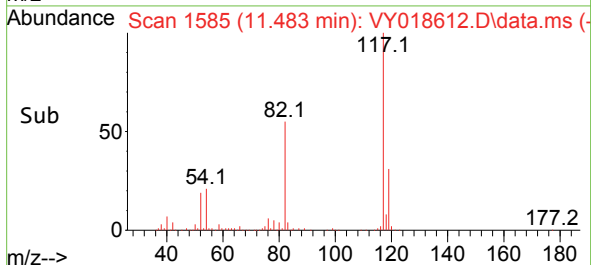
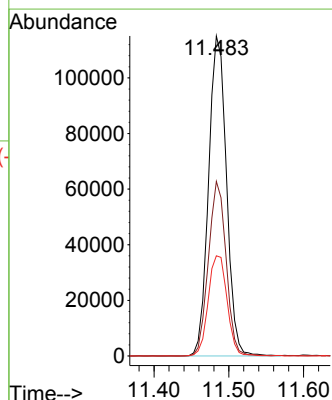
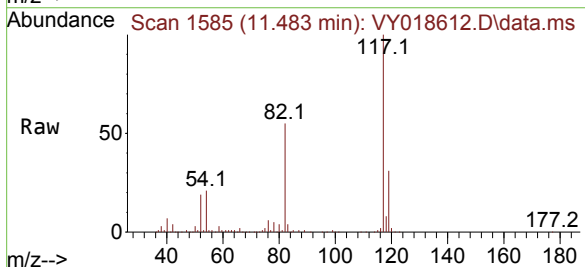
Instrument :  
MSVOA\_Y  
ClientSampleId :

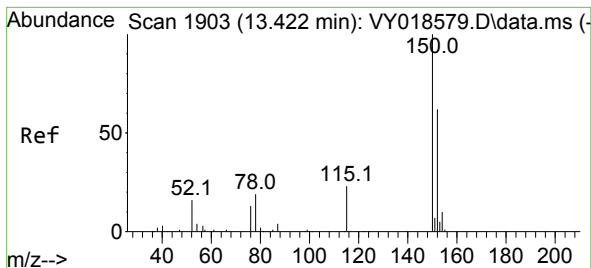
Tgt Ion: 95 Resp: 77043  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 175.6  
176 77.9 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 1585  
Delta R.T. -0.000 min  
Lab File: VY018612.D  
Acq: 17 Jun 2024 16:12

Tgt Ion: 117 Resp: 191815  
Ion Ratio Lower Upper  
117 100  
82 54.6 42.4 63.6  
119 31.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

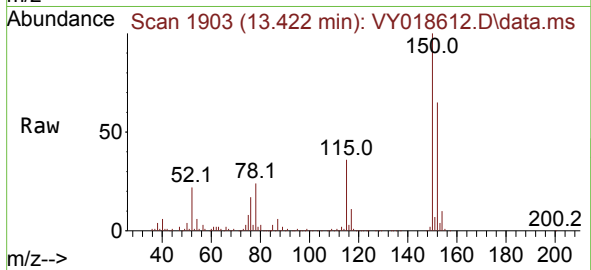
Lab File: VY018612.D

Acq: 17 Jun 2024 16:12

Instrument :

MSVOA\_Y

ClientSampleId :



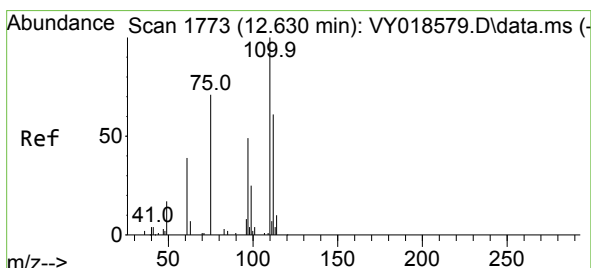
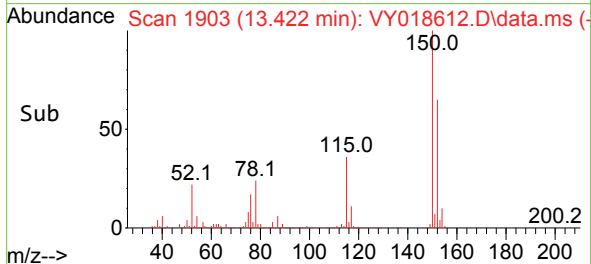
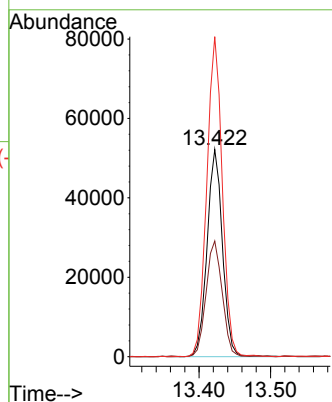
Tgt Ion:152 Resp: 78102

Ion Ratio Lower Upper

152 100

115 58.3 28.2 84.7

150 155.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.697 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018612.D

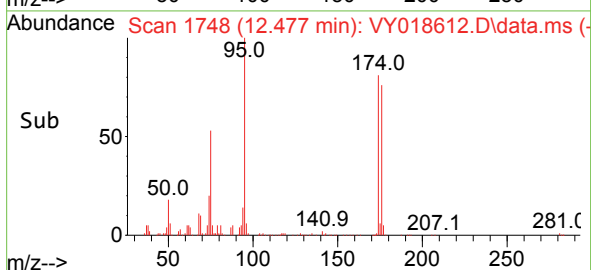
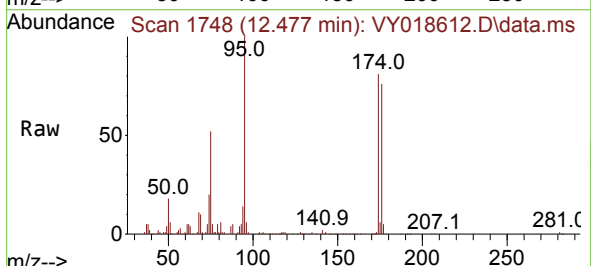
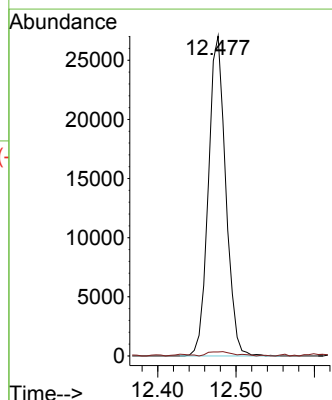
Acq: 17 Jun 2024 16:12

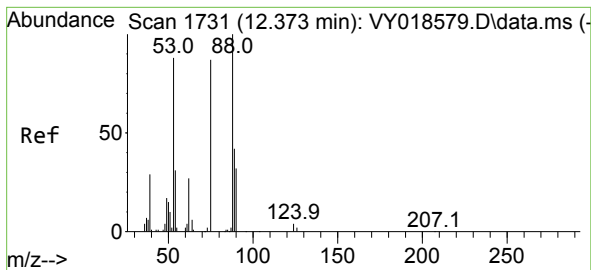
Tgt Ion: 75 Resp: 41538

Ion Ratio Lower Upper

75 100

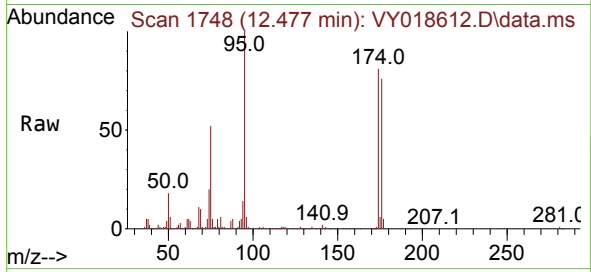
77 2.0 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 148.511 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY018612.D  
 Acq: 17 Jun 2024 16:12

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 41538  
 Ion Ratio Lower Upper  
 75 100  
 53 0.3 66.8 100.2#  
 89 0.1 35.8 53.6#

