

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061924\  
 Data File : VY018641.D  
 Acq On : 19 Jun 2024 13:39  
 Operator : SY/MD  
 Sample : P2940-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 20 02:10:30 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

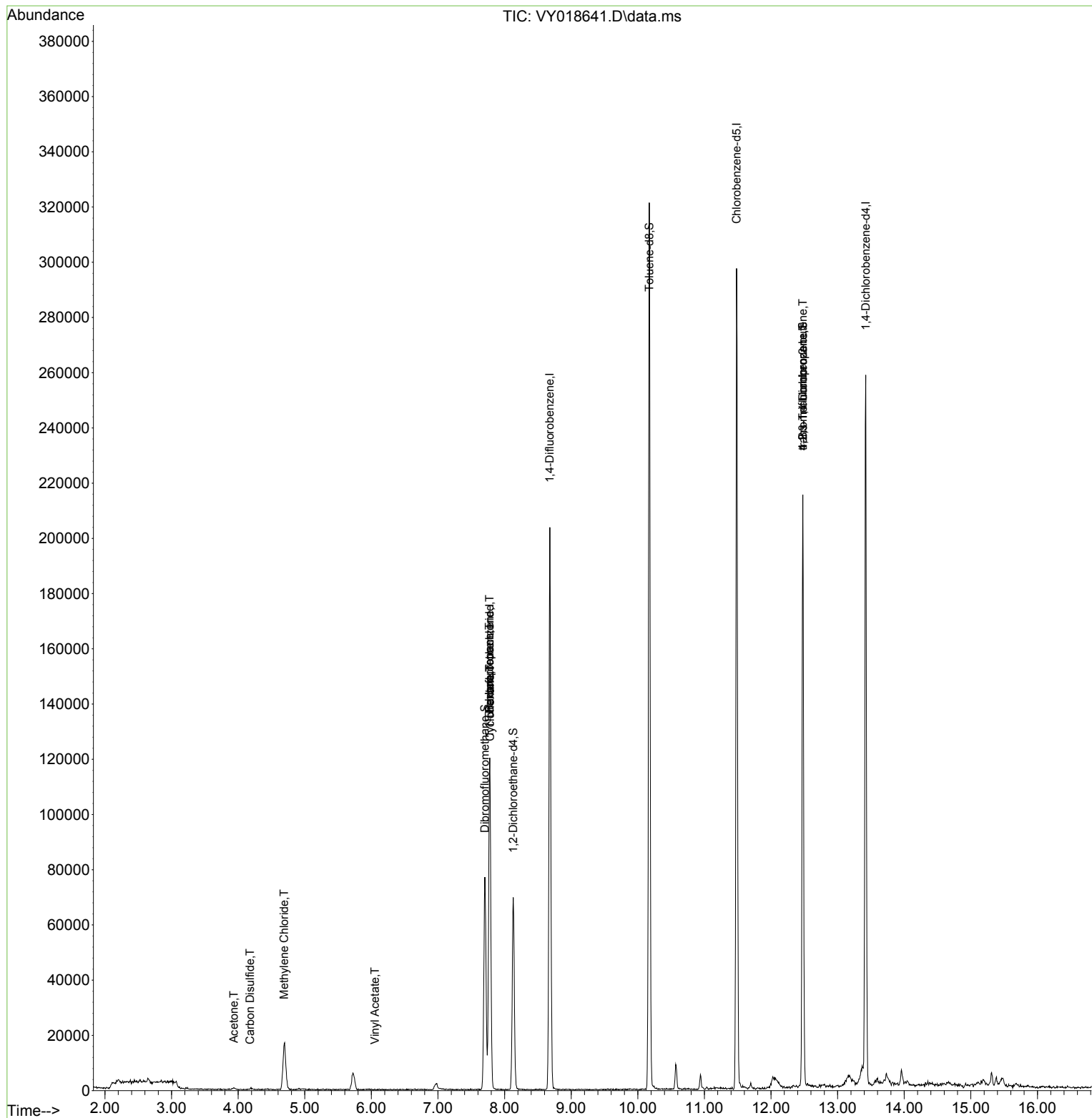
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.777     | 168   | 91291    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.679     | 114   | 172193   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.483    | 117   | 159381   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 63963    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.130     | 65    | 50580    | 55.032   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 110.060% |          |
| 35) Dibromofluoromethane      | 7.704     | 113   | 53610    | 51.037   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 102.080% |          |
| 50) Toluene-d8                | 10.173    | 98    | 203920   | 50.482   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 100.960% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 61520    | 48.230   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 96.460%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.936     | 43    | 1021     | 5.460    | ug/l #     | 83       |
| 17) Carbon Disulfide          | 4.180     | 76    | 44       | 2.235    | ug/l #     | 76       |
| 20) Methylene Chloride        | 4.692     | 84    | 12883    | 2.704    | ug/l #     | 94       |
| 23) Vinyl Acetate             | 6.051     | 43    | 50       | 23.714   | ug/l #     | 67       |
| 31) Cyclohexane               | 7.783     | 56    | 2204     | 1.565    | ug/l #     | 47       |
| 36) 1,1-Dichloropropene       | 7.771     | 75    | 7623     | 5.272    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.777     | 117   | 9729     | 6.414    | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 32935    | 54.892   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 32935    | 143.782  | ug/l #     | 16       |
| -----                         |           |       |          |          |            |          |

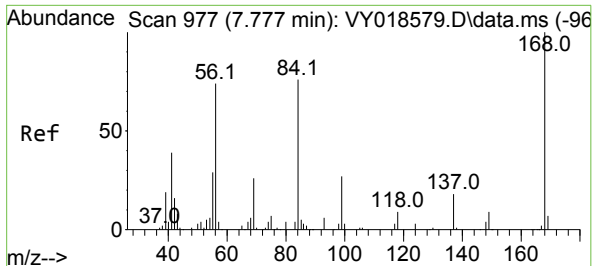
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

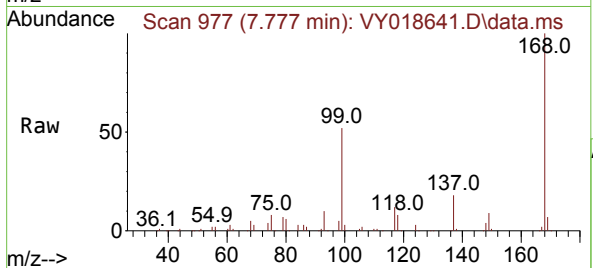
Quant Time: Jun 20 02:10:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 14 07:08:24 2024  
Response via : Initial Calibration



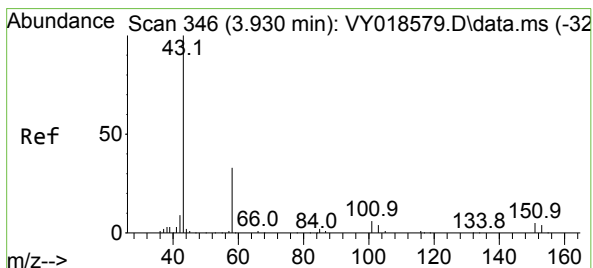
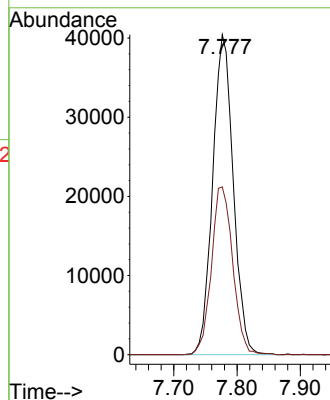
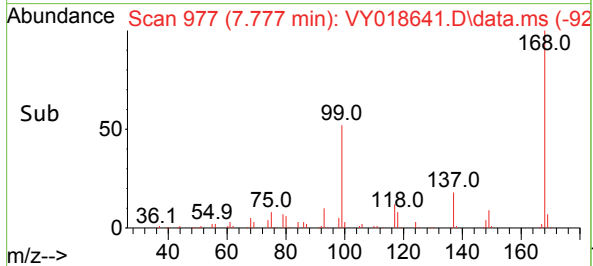


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

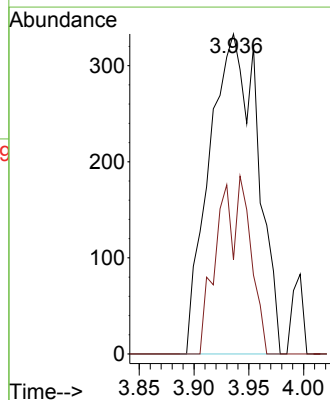
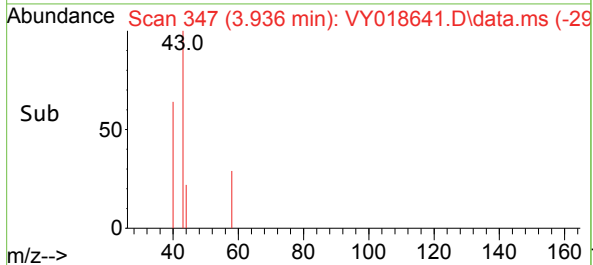
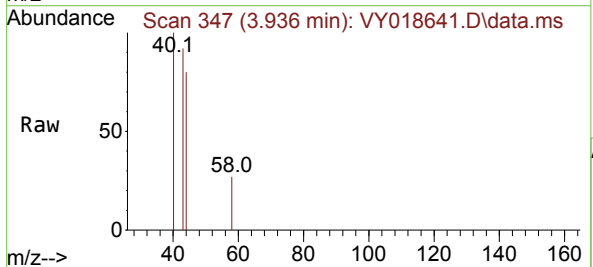


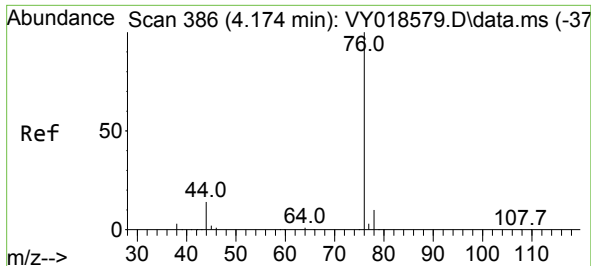
Tgt Ion:168 Resp: 91291  
Ion Ratio Lower Upper  
168 100  
99 52.4 39.1 58.7



#16  
Acetone  
Concen: 5.460 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. 0.006 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

Tgt Ion: 43 Resp: 1021  
Ion Ratio Lower Upper  
43 100  
58 29.4 31.7 47.5#

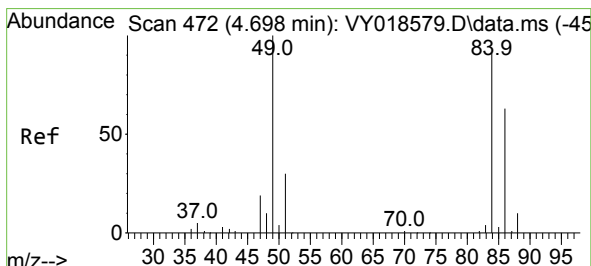
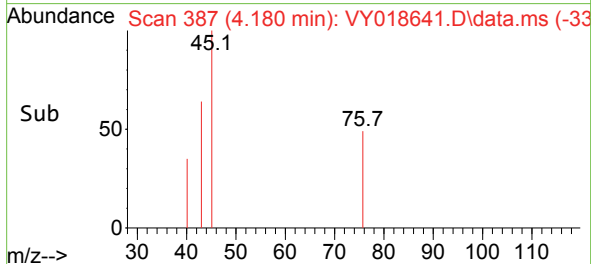
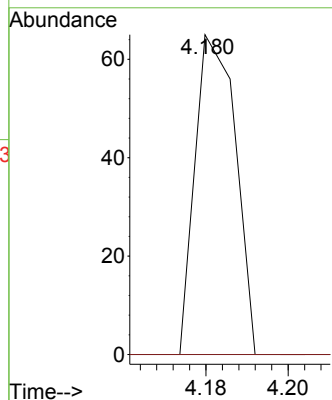
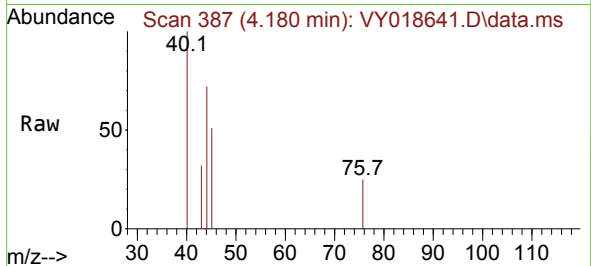




#17  
Carbon Disulfide  
Concen: 2.235 ug/l  
RT: 4.180 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

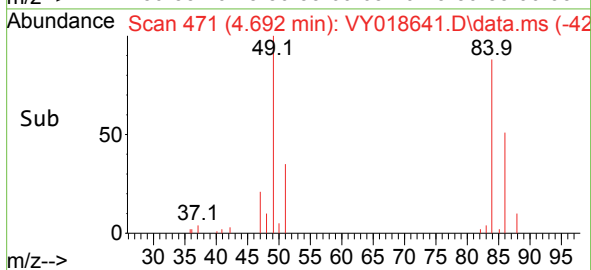
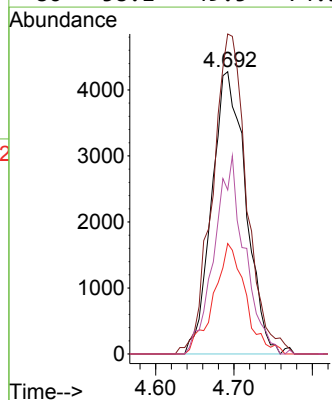
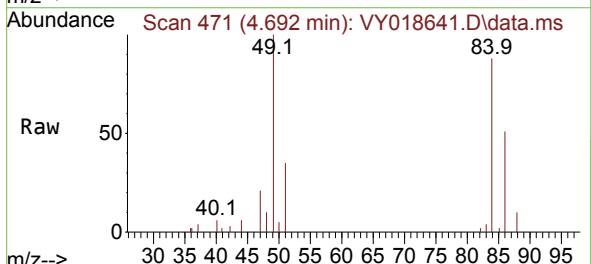
Instrument :  
MSVOA\_Y  
ClientSampleId :

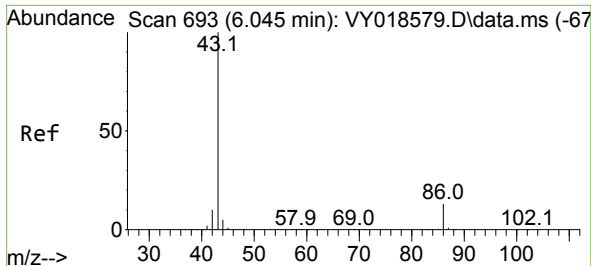
Tgt Ion: 76 Resp: 44  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.8 10.2#



#20  
Methylene Chloride  
Concen: 2.704 ug/l  
RT: 4.692 min Scan# 471  
Delta R.T. -0.006 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

Tgt Ion: 84 Resp: 12883  
Ion Ratio Lower Upper  
84 100  
49 111.1 84.4 126.6  
51 39.1 26.0 39.0#  
86 58.1 49.5 74.3

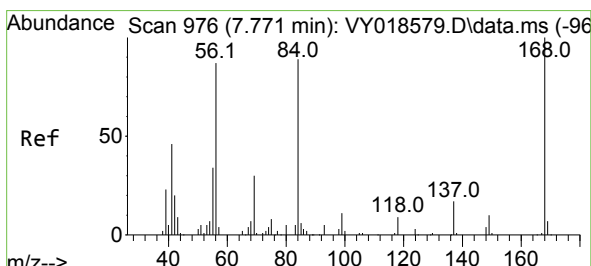
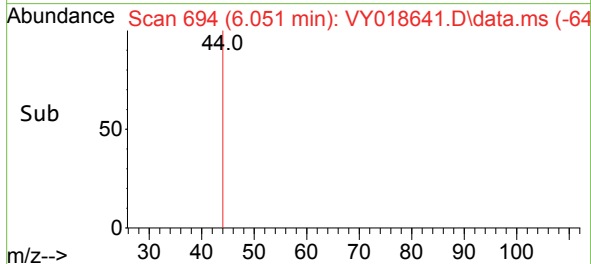
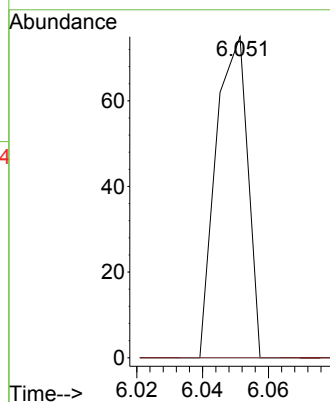
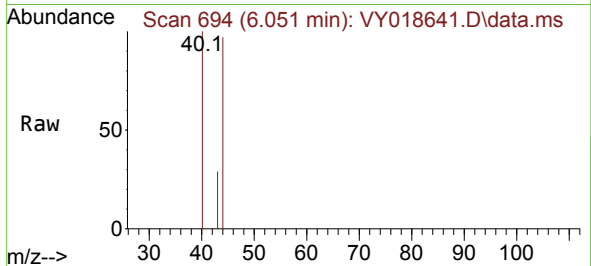




#23  
 Vinyl Acetate  
 Concen: 23.714 ug/l  
 RT: 6.051 min Scan# 61  
 Delta R.T. 0.006 min  
 Lab File: VY018641.D  
 Acq: 19 Jun 2024 13:39

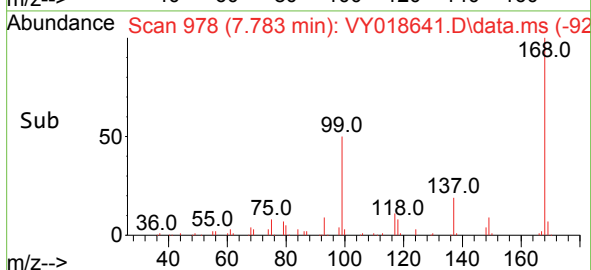
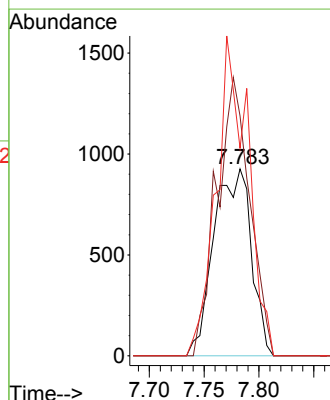
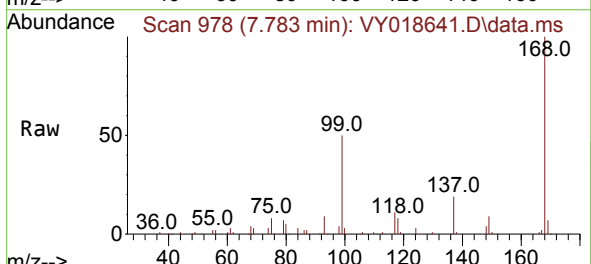
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

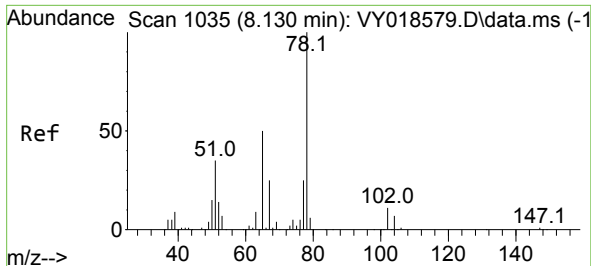
Tgt Ion: 43 Resp: 50  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 10.6 16.0#



#31  
 Cyclohexane  
 Concen: 1.565 ug/l  
 RT: 7.783 min Scan# 978  
 Delta R.T. 0.012 min  
 Lab File: VY018641.D  
 Acq: 19 Jun 2024 13:39

Tgt Ion: 56 Resp: 2204  
 Ion Ratio Lower Upper  
 56 100  
 69 128.4 28.7 43.1#  
 84 111.1 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 55.032 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VY018641.D

Acq: 19 Jun 2024 13:39

Instrument :

MSVOA\_Y

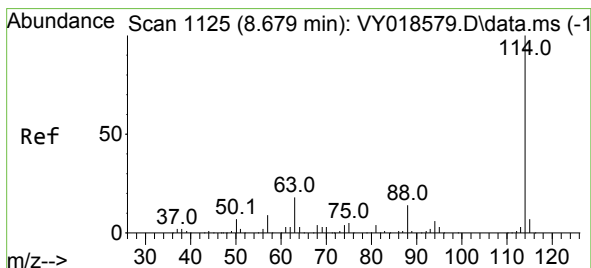
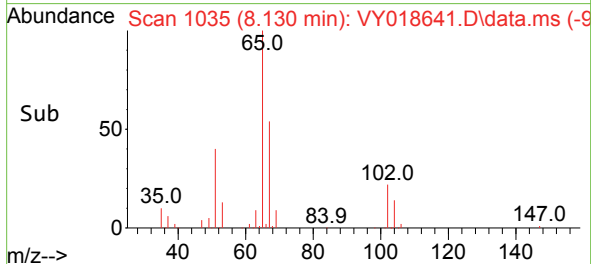
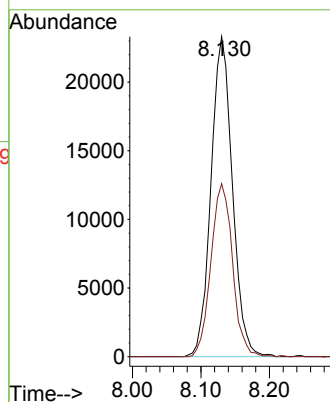
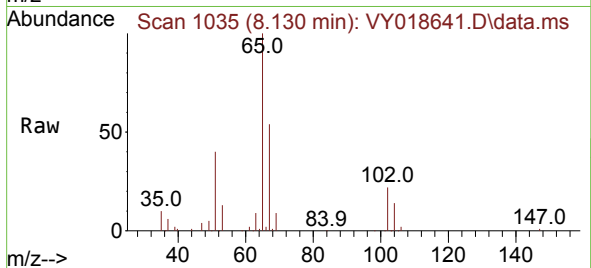
ClientSampleId :

Tgt Ion: 65 Resp: 50580

Ion Ratio Lower Upper

65 100

67 54.6 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: VY018641.D

Acq: 19 Jun 2024 13:39

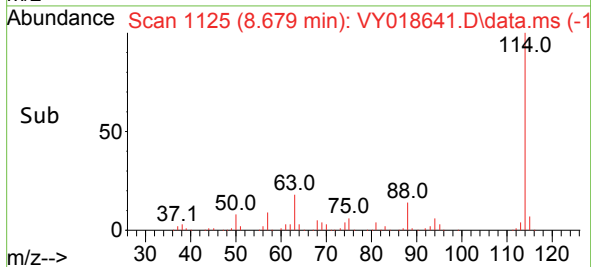
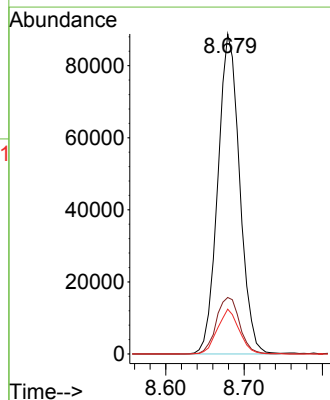
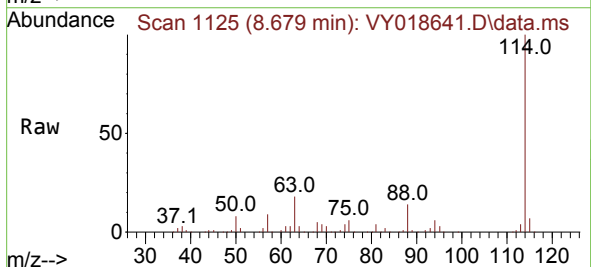
Tgt Ion: 114 Resp: 172193

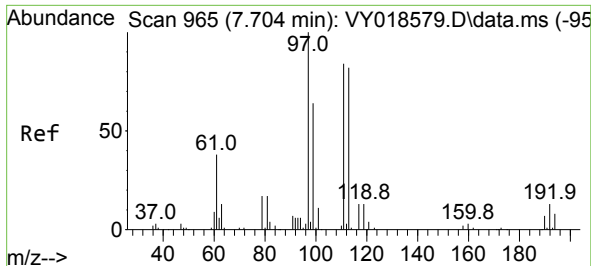
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

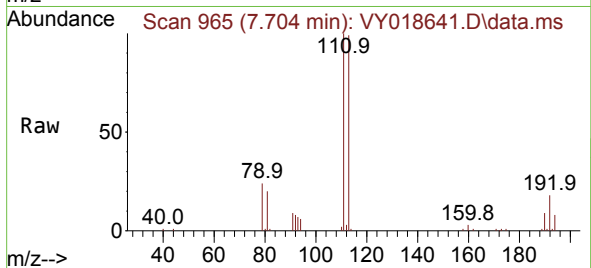
88 14.0 0.0 27.2



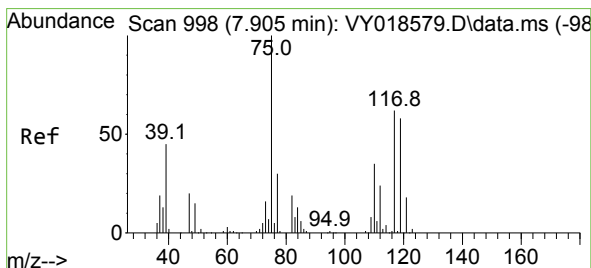
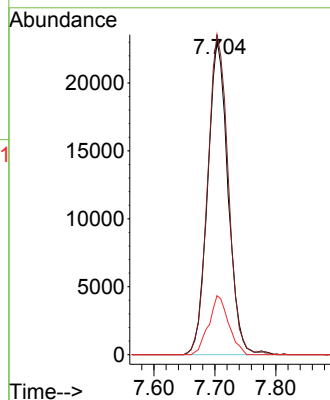
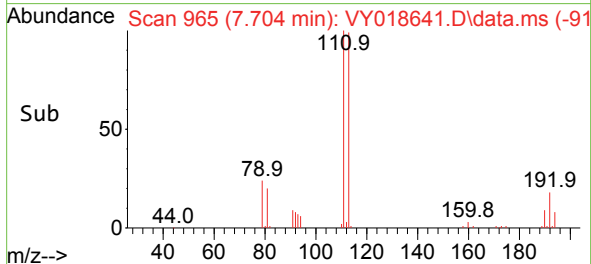


#35  
 Dibromofluoromethane  
 Concen: 51.037 ug/l  
 RT: 7.704 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VY018641.D  
 Acq: 19 Jun 2024 13:39

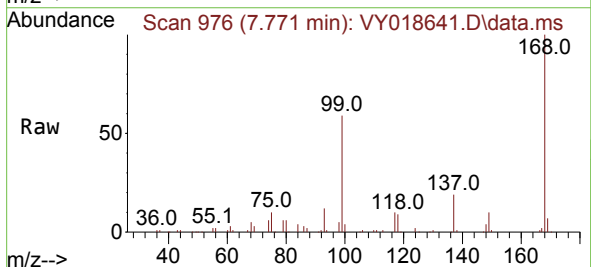
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



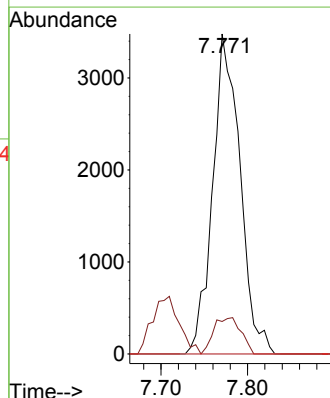
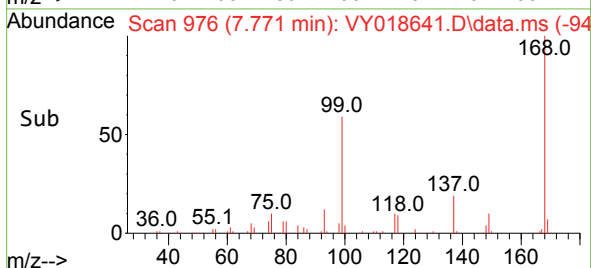
Tgt Ion:113 Resp: 53610  
 Ion Ratio Lower Upper  
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 111 103.0 82.2 123.4  
 192 18.3 15.9 23.9

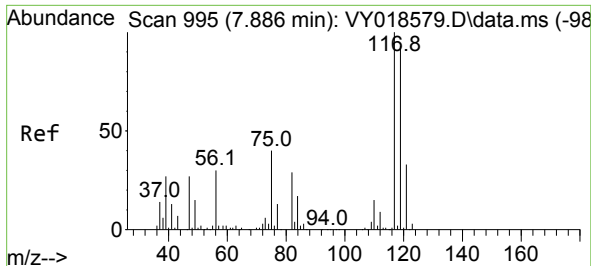


#36  
 1,1-Dichloropropene  
 Concen: 5.272 ug/l  
 RT: 7.771 min Scan# 976  
 Delta R.T. -0.134 min  
 Lab File: VY018641.D  
 Acq: 19 Jun 2024 13:39



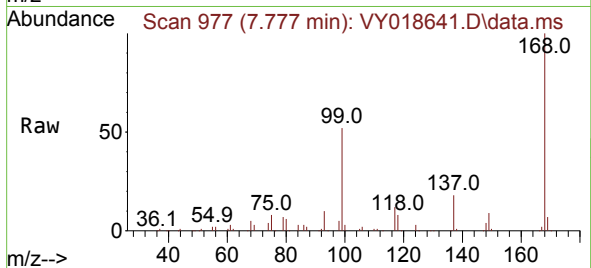
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 Ion Ratio Lower Upper  
 75 100  
 110 11.4 19.0 57.0#  
 77 0.0 25.3 37.9#



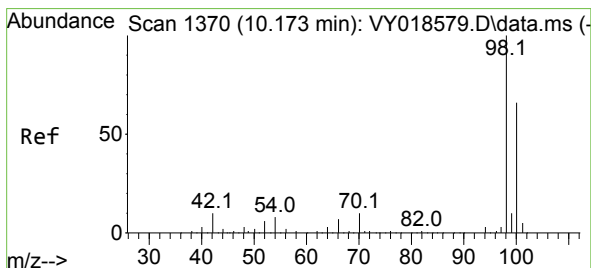
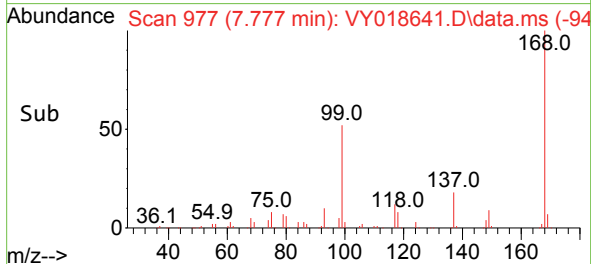
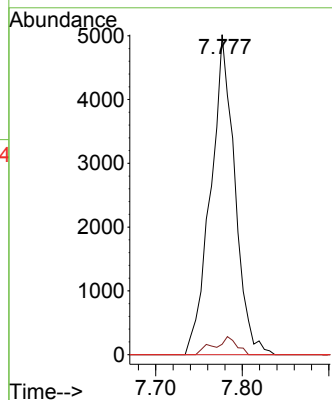


#38  
Carbon Tetrachloride  
Concen: 6.414 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

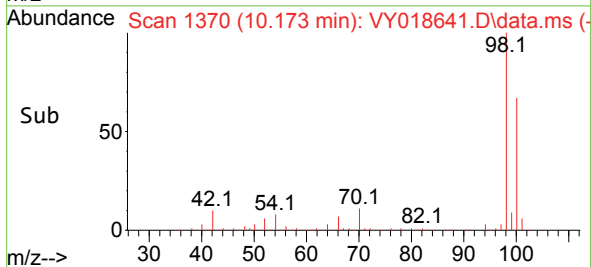
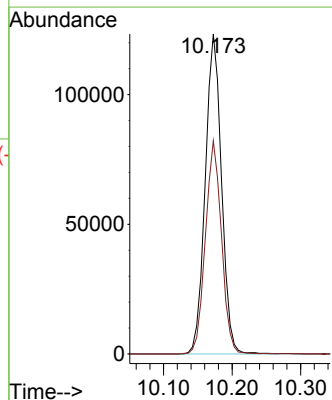
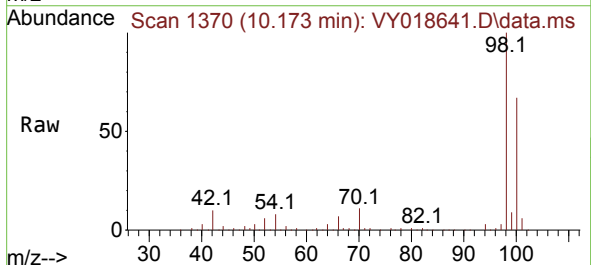


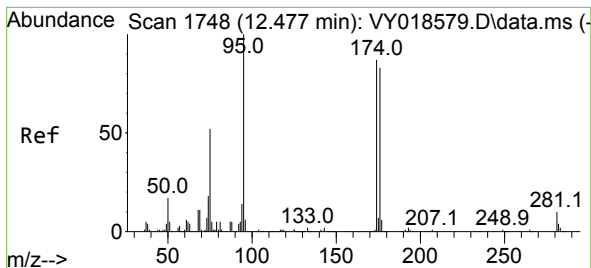
Tgt Ion:117 Resp: 9729  
Ion Ratio Lower Upper  
117 100  
119 3.2 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 50.482 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.000 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

Tgt Ion: 98 Resp: 203920  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.0 78.0

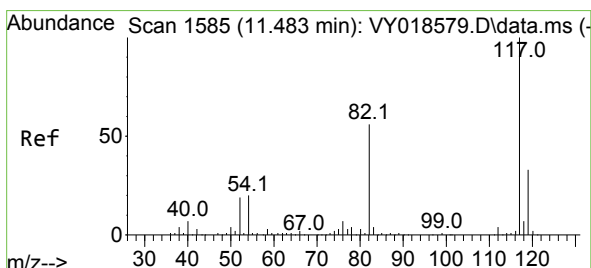
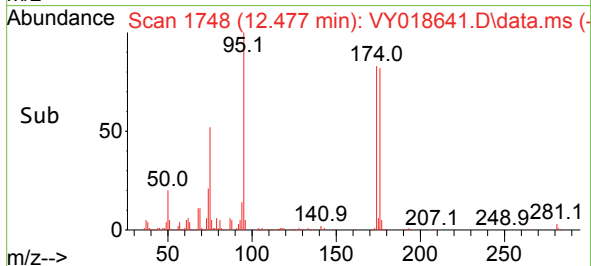
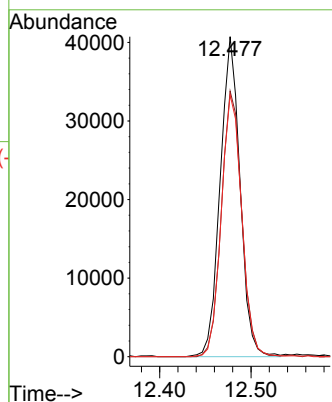
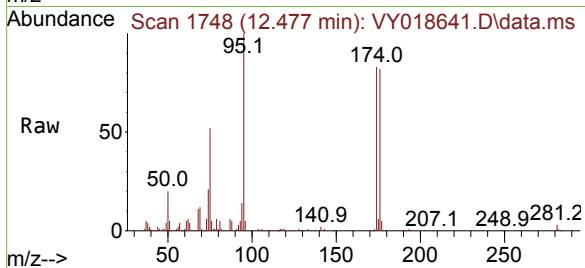




#62  
4-Bromofluorobenzene  
Concen: 48.230 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

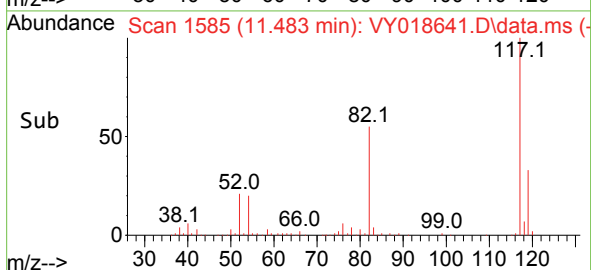
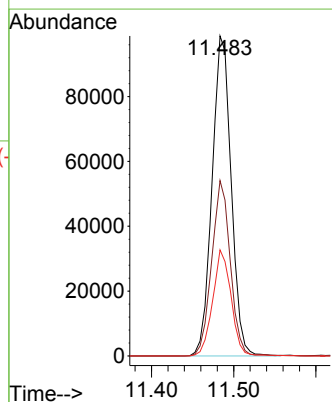
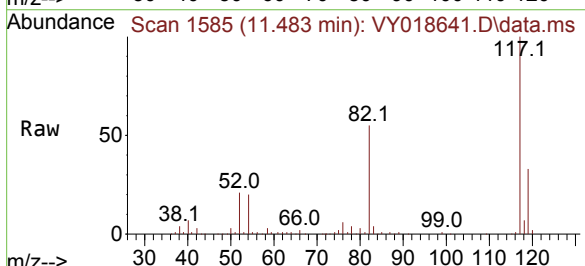
Instrument :  
MSVOA\_Y  
ClientSampleId :

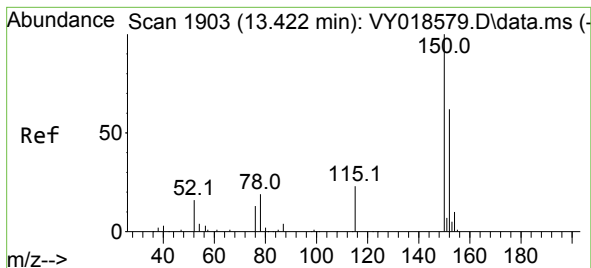
Tgt Ion: 95 Resp: 61520  
Ion Ratio Lower Upper  
95 100  
174 84.9 0.0 175.6  
176 84.5 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 1585  
Delta R.T. -0.000 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

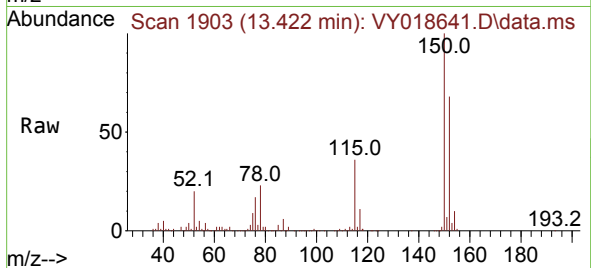
Tgt Ion: 117 Resp: 159381  
Ion Ratio Lower Upper  
117 100  
82 54.8 42.4 63.6  
119 33.2 25.9 38.9



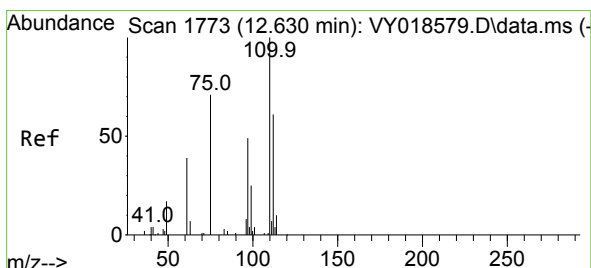
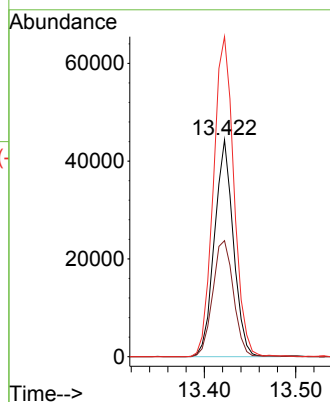
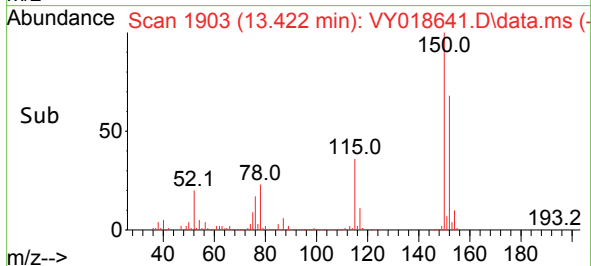


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

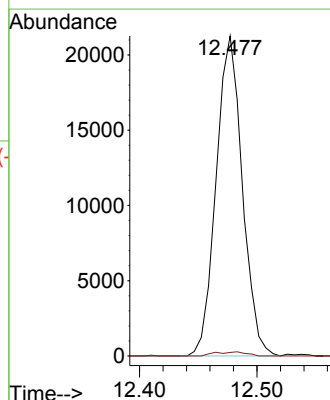
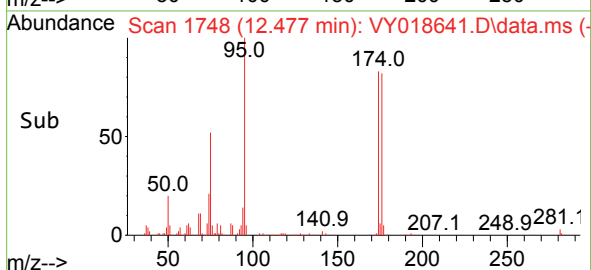
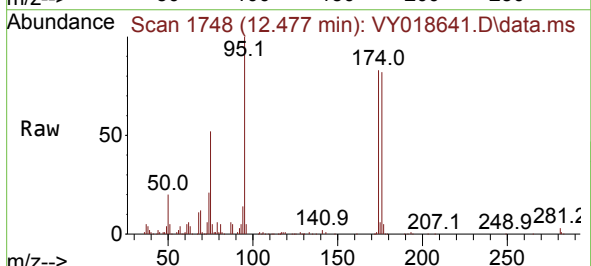


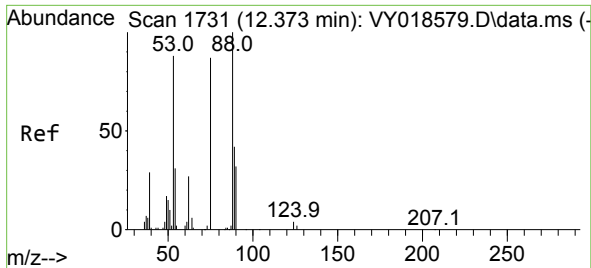
Tgt Ion:152 Resp: 63963  
Ion Ratio Lower Upper  
152 100  
115 58.7 28.2 84.7  
150 159.8 0.0 345.6



#76  
1,2,3-Trichloropropane  
Concen: 54.892 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY018641.D  
Acq: 19 Jun 2024 13:39

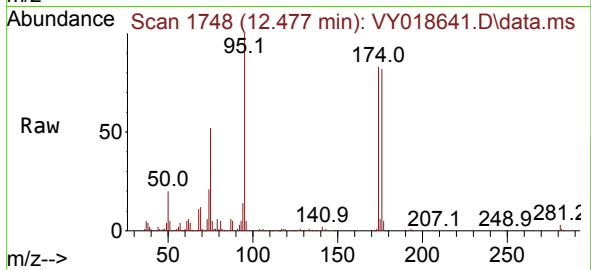
Tgt Ion: 75 Resp: 32935  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 143.782 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY018641.D  
 Acq: 19 Jun 2024 13:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 32935  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 66.8 100.2#  
 89 0.0 35.8 53.6#

