

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050624\  
 Data File : VY018156.D  
 Acq On : 06 May 2024 12:12  
 Operator : SY/MD  
 Sample : P2375-03  
 Misc : 4.89g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 06 23:45:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050124S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 16:21:20 2024  
 Response via : Initial Calibration

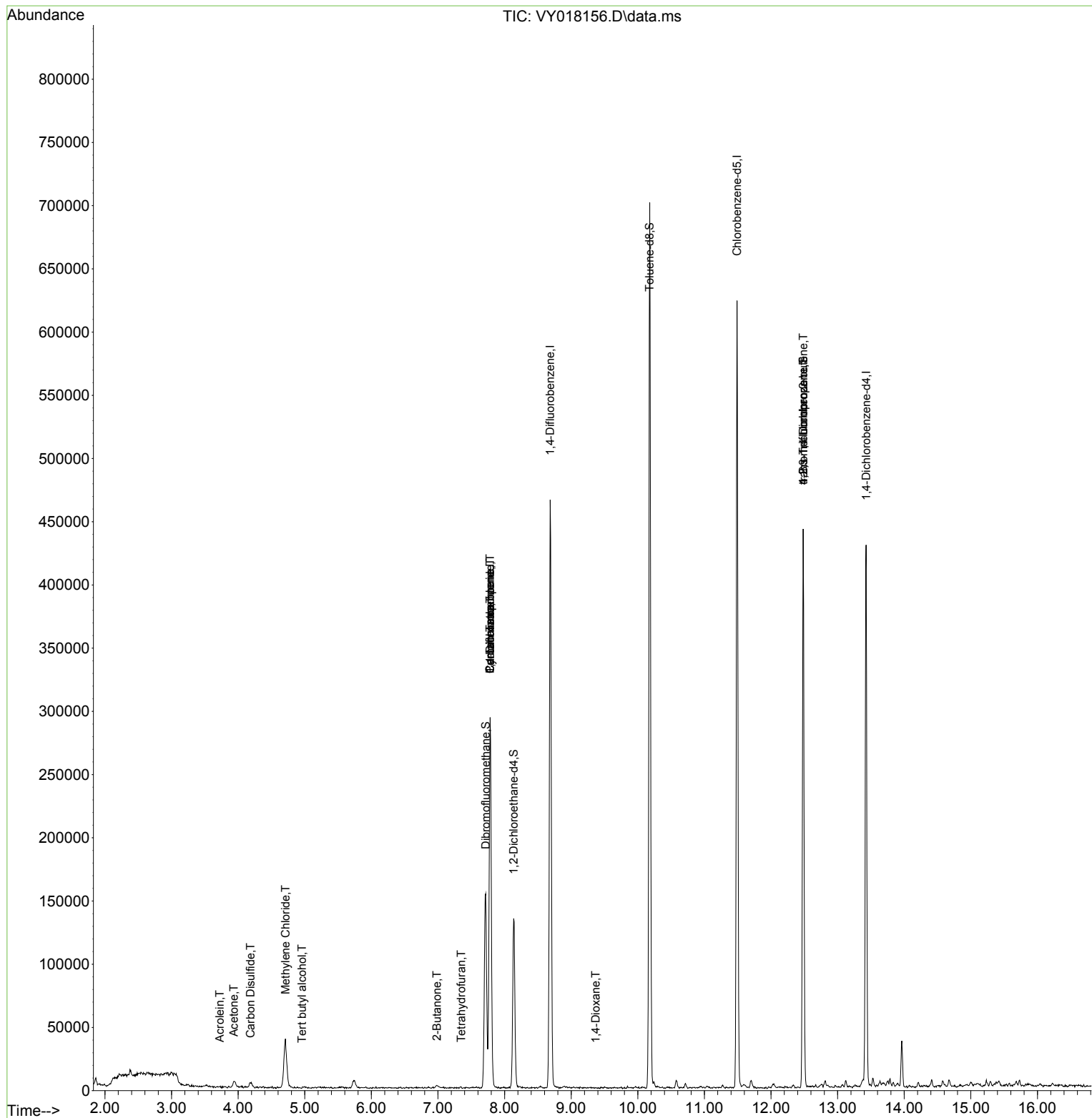
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 242014   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 429295   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 358669   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 116777   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 97553    | 51.138   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 102.280% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 110696   | 44.870   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 89.740%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 470688   | 48.872   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 97.740%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 129612   | 39.105   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 78.200%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.960  | 59    | 168      | 1.081    | ug/l #     | 88       |
| 13) Acrolein                  | 3.723  | 56    | 333      | 1.439    | ug/l #     | 53       |
| 16) Acetone                   | 3.936  | 43    | 8889     | 24.460   | ug/l       | 98       |
| 17) Carbon Disulfide          | 4.186  | 76    | 8832     | 1.278    | ug/l       | 97       |
| 20) Methylene Chloride        | 4.710  | 84    | 30335    | 11.912   | ug/l       | 97       |
| 25) 2-Butanone                | 6.984  | 43    | 2088     | 3.693    | ug/l       | 95       |
| 29) Tetrahydrofuran           | 7.350  | 42    | 800      | 2.226    | ug/l #     | 69       |
| 31) Cyclohexane               | 7.783  | 56    | 4999     | 1.368    | ug/l #     | 5        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 16115    | 4.893    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 21453    | 5.740    | ug/l #     | 16       |
| 49) 1,4-Dioxane               | 9.368  | 88    | 42       | 2.697    | ug/l #     | 20       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 62490    | 63.762   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 62490    | 116.159  | ug/l #     | 16       |
| -----                         |        |       |          |          |            |          |

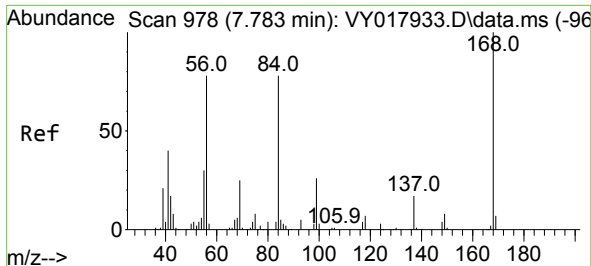
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050624\  
Data File : VY018156.D  
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Sample : P2375-03  
Misc : 4.89g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: May 06 23:45:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050124S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 16:21:20 2024  
Response via : Initial Calibration

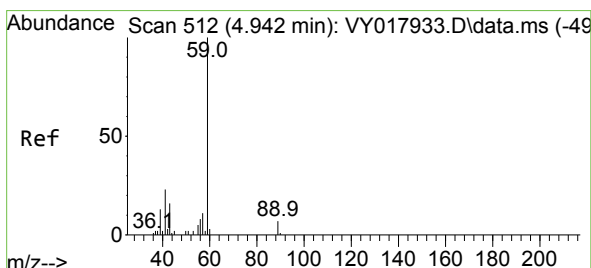
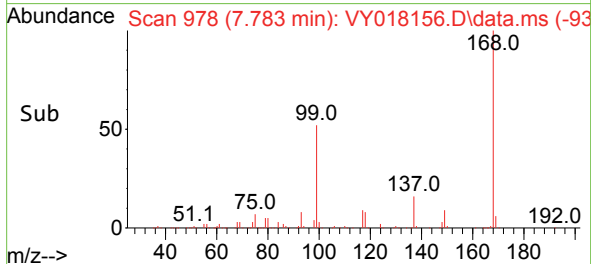
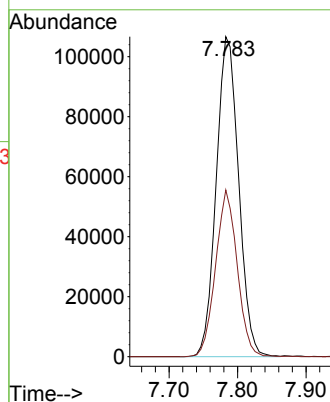
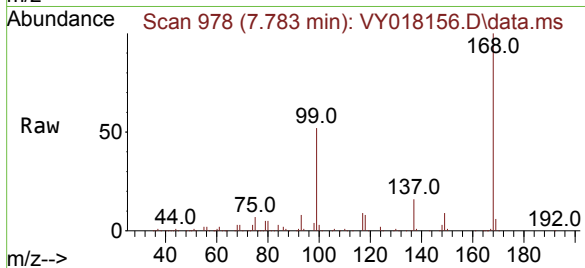




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

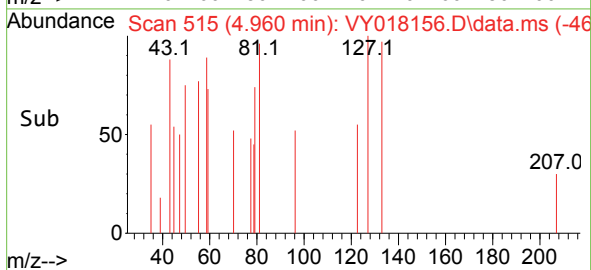
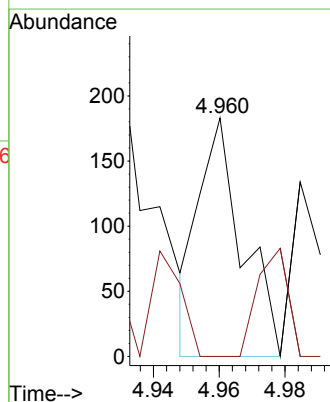
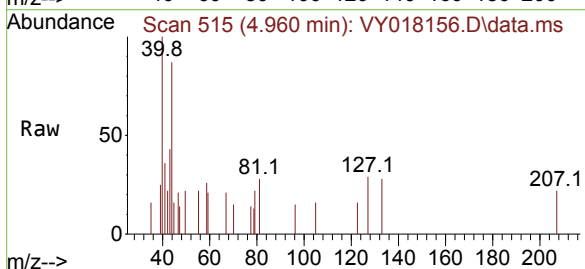
Instrument :  
MSVOA\_Y  
ClientSampleId :

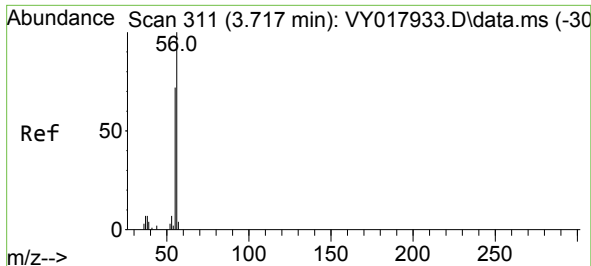
Tgt Ion:168 Resp: 242014  
Ion Ratio Lower Upper  
168 100  
99 52.1 39.1 58.7



#11  
Tert butyl alcohol  
Concen: 1.081 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. 0.006 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

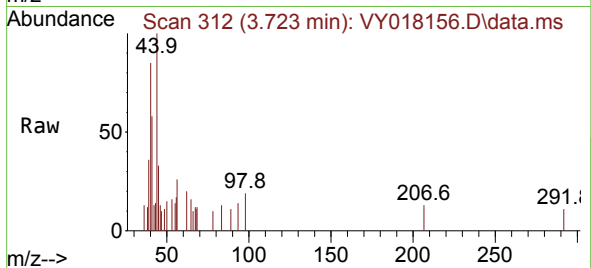
Tgt Ion: 59 Resp: 168  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#



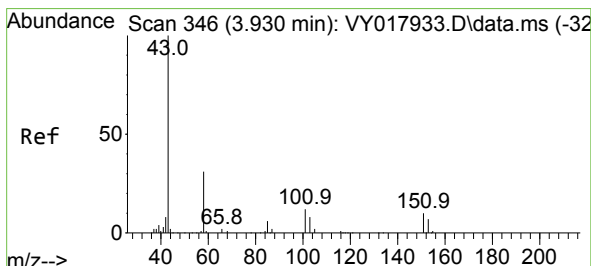
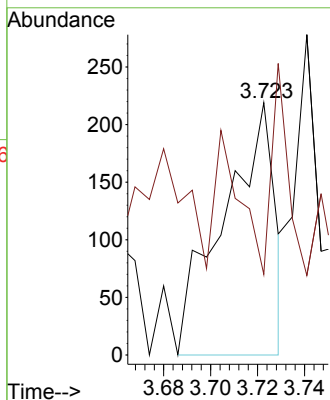
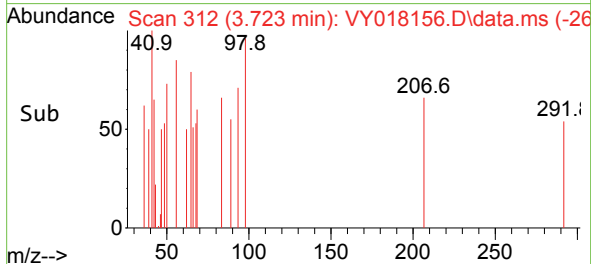


#13  
Acrolein  
Concen: 1.439 ug/l  
RT: 3.723 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

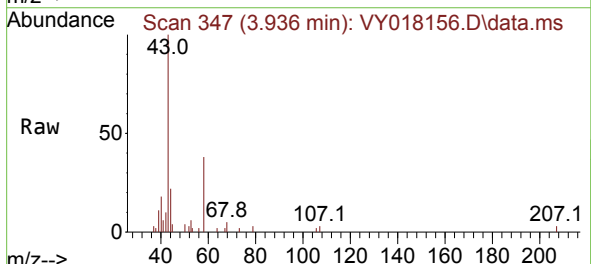
Instrument :  
MSVOA\_Y  
ClientSampleId :



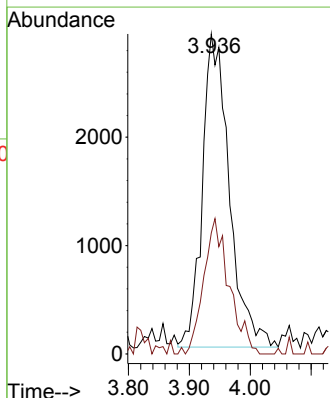
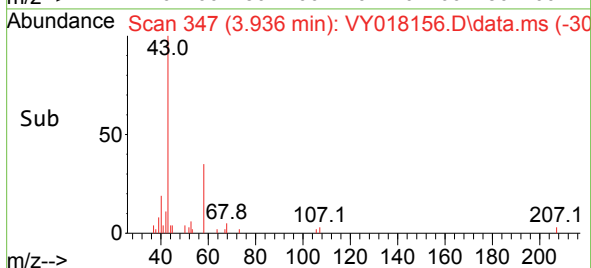
Tgt Ion: 56 Resp: 333  
Ion Ratio Lower Upper  
56 100  
55 31.2 55.7 83.5#

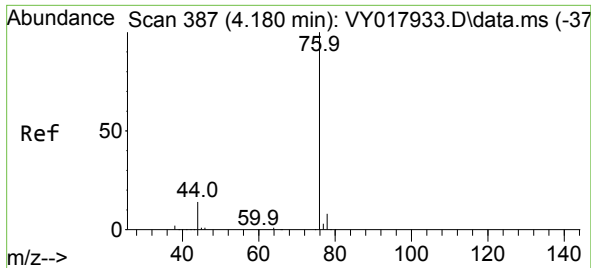


#16  
Acetone  
Concen: 24.460 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.012 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12



Tgt Ion: 43 Resp: 8889  
Ion Ratio Lower Upper  
43 100  
58 38.7 31.7 47.5





#17

Carbon Disulfide

Concen: 1.278 ug/l

RT: 4.186 min Scan# 387

Delta R.T. -0.006 min

Lab File: VY018156.D

Acq: 06 May 2024 12:12

Instrument :

MSVOA\_Y

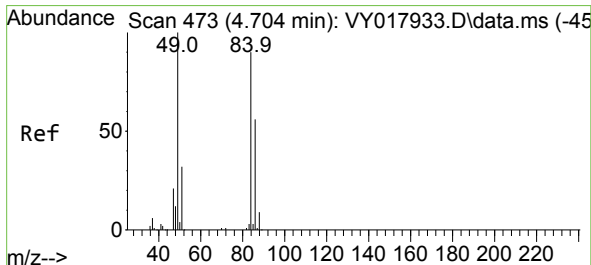
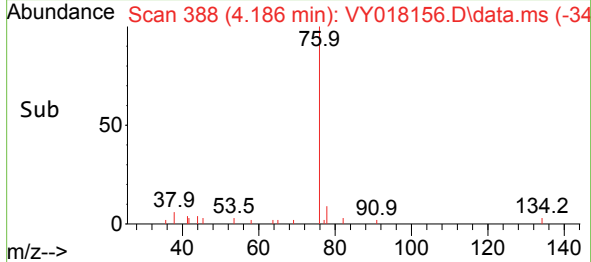
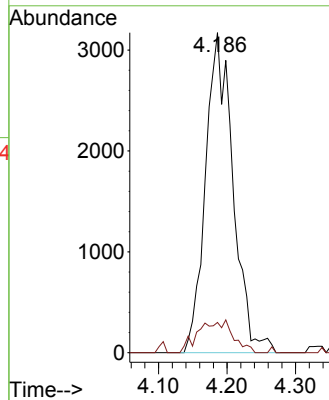
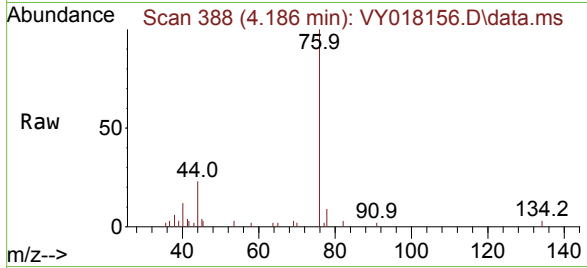
ClientSampleId :

Tgt Ion: 76 Resp: 8832

Ion Ratio Lower Upper

76 100

78 9.5 6.8 10.2



#20

Methylene Chloride

Concen: 11.912 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY018156.D

Acq: 06 May 2024 12:12

Tgt Ion: 84 Resp: 30335

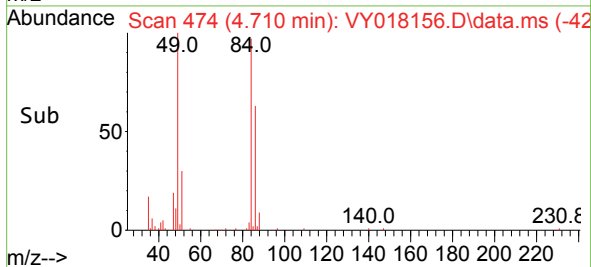
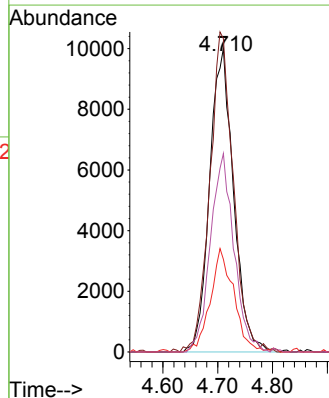
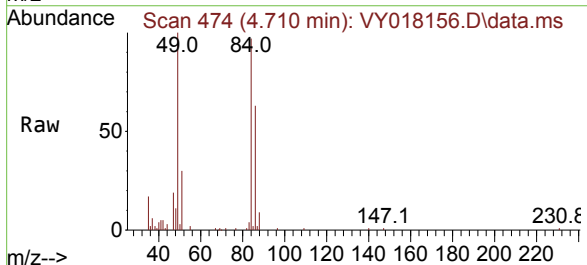
Ion Ratio Lower Upper

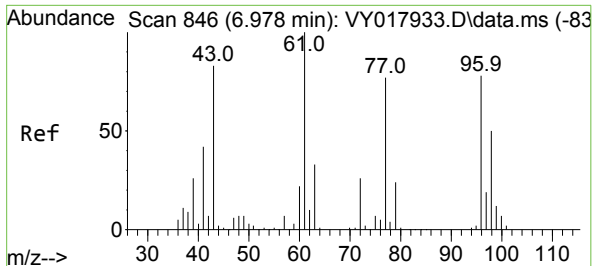
84 100

49 103.2 84.4 126.6

51 30.5 26.0 39.0

86 65.4 49.5 74.3

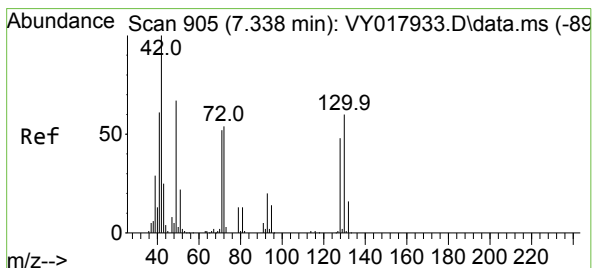
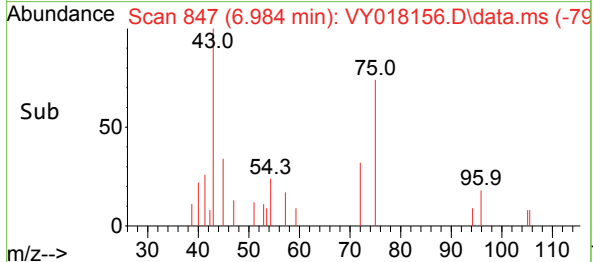
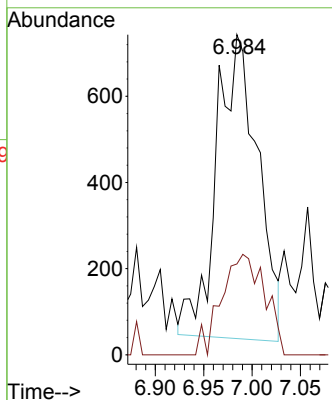
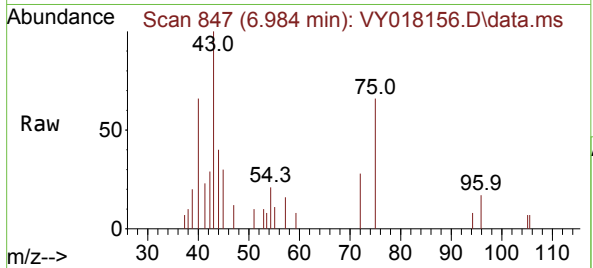




#25  
2-Butanone  
Concen: 3.693 ug/l  
RT: 6.984 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

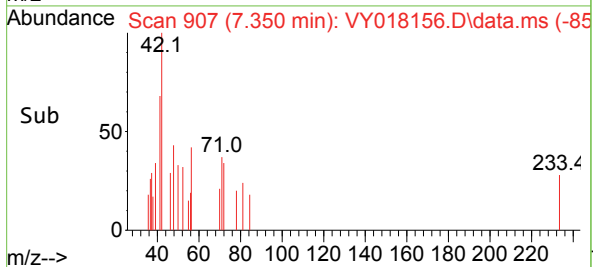
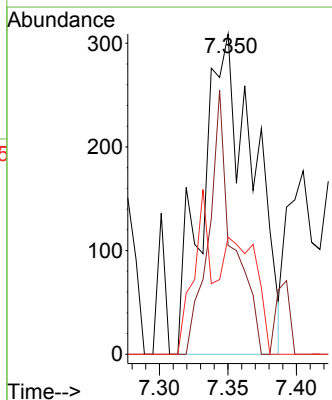
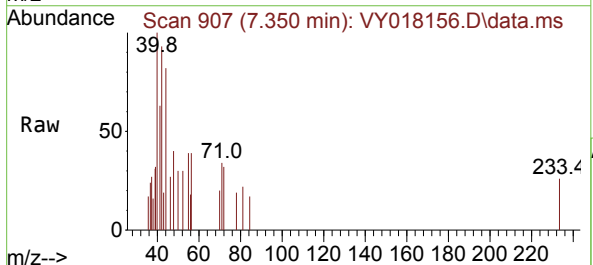
Instrument :  
MSVOA\_Y  
ClientSampleId :

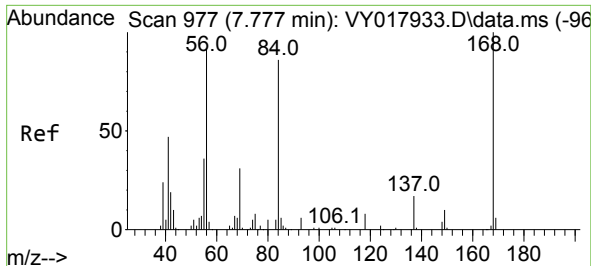
Tgt Ion: 43 Resp: 2088  
Ion Ratio Lower Upper  
43 100  
72 31.4 27.3 40.9



#29  
Tetrahydrofuran  
Concen: 2.226 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.000 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

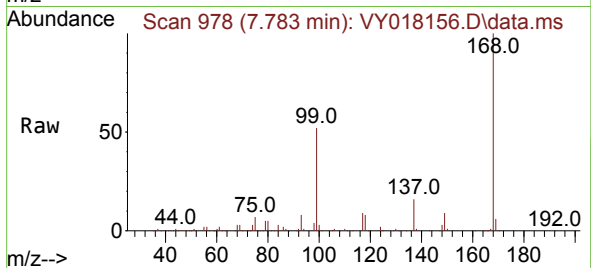
Tgt Ion: 42 Resp: 800  
Ion Ratio Lower Upper  
42 100  
72 38.9 43.0 64.4#  
71 22.3 40.8 61.2#



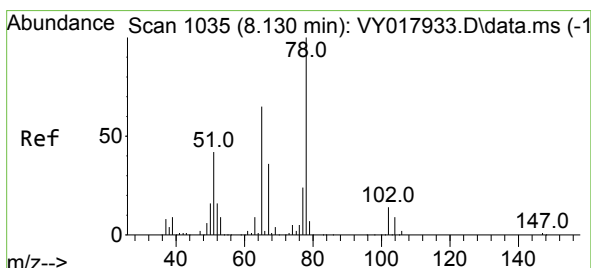
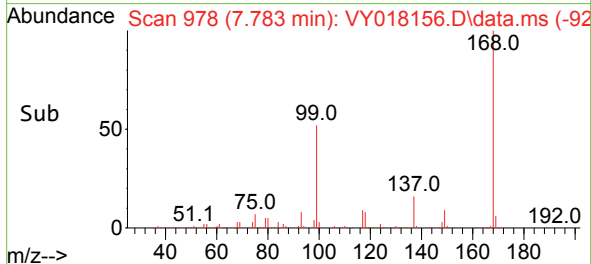
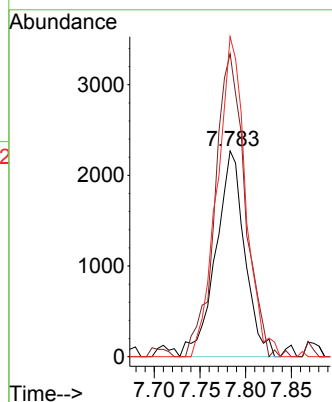


#31  
Cyclohexane  
Concen: 1.368 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

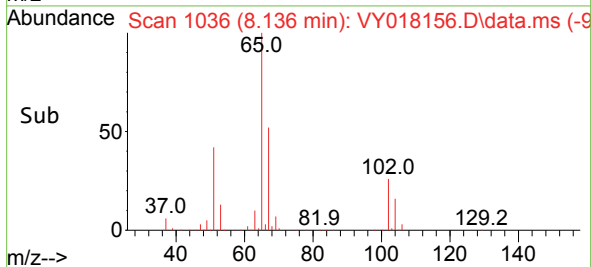
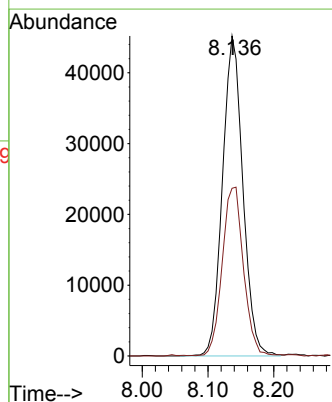
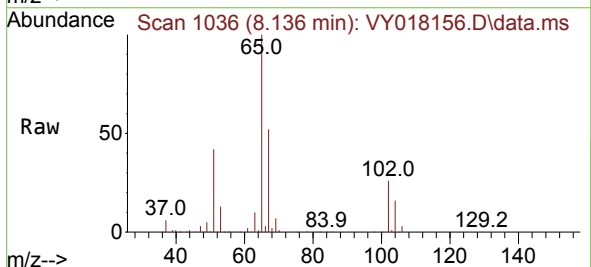


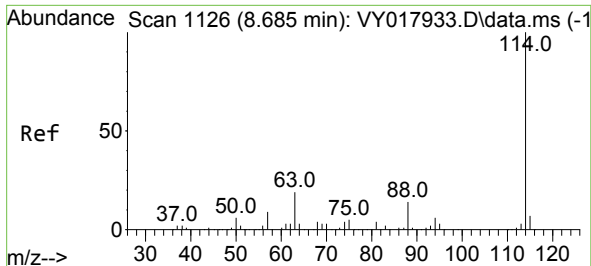
Tgt Ion: 56 Resp: 4999  
Ion Ratio Lower Upper  
56 100  
69 147.3 28.7 43.1#  
84 155.6 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 51.138 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

Tgt Ion: 65 Resp: 97553  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 109.6

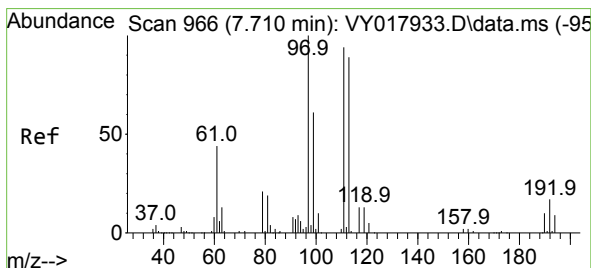
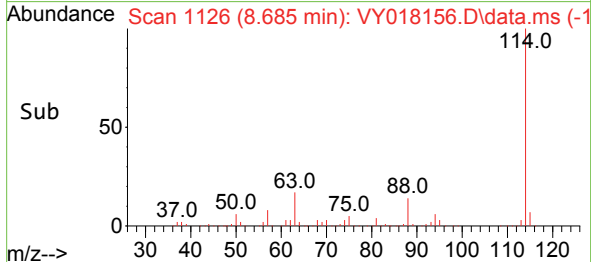
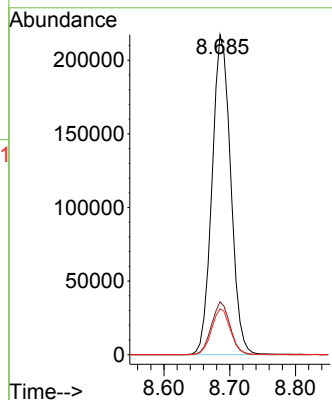
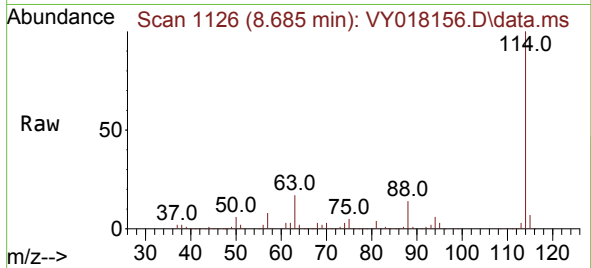




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

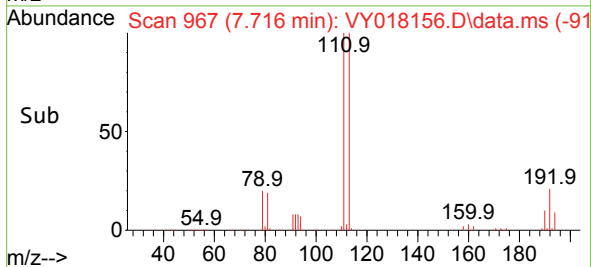
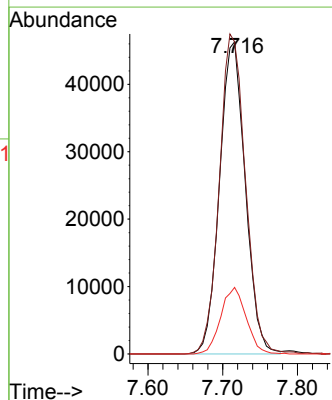
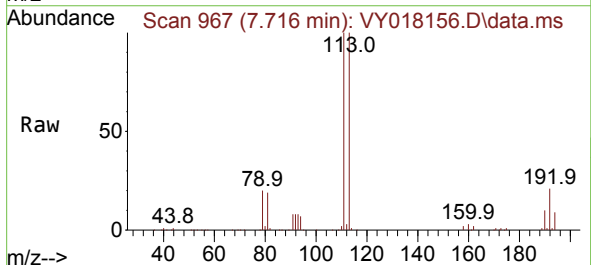
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:114 Resp: 429295  
Ion Ratio Lower Upper  
114 100  
63 16.6 0.0 35.0  
88 14.3 0.0 27.2

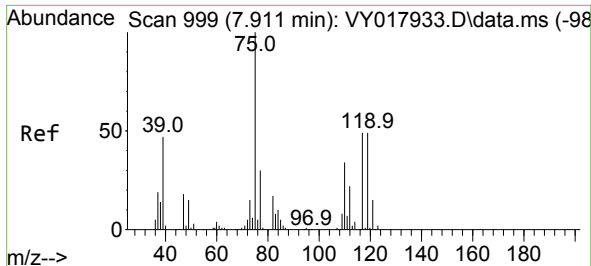


#35  
Dibromofluoromethane  
Concen: 44.870 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

Tgt Ion:113 Resp: 110696  
Ion Ratio Lower Upper  
113 100  
111 104.3 82.2 123.4  
192 21.1 15.9 23.9

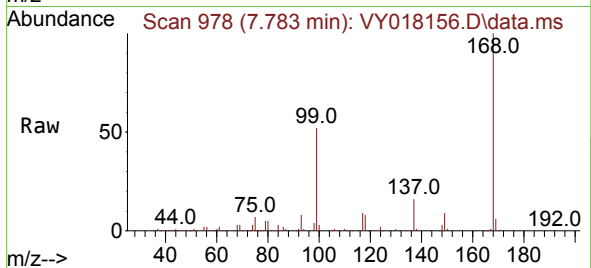




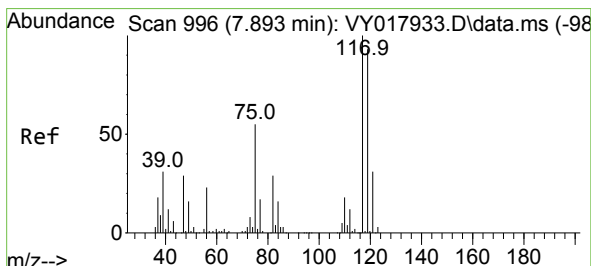
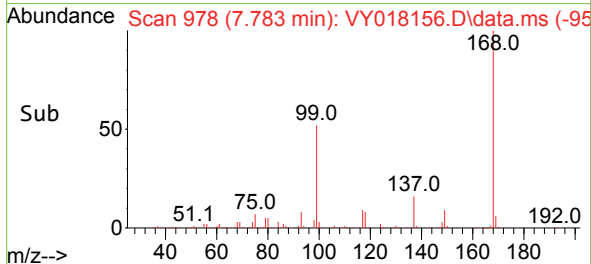
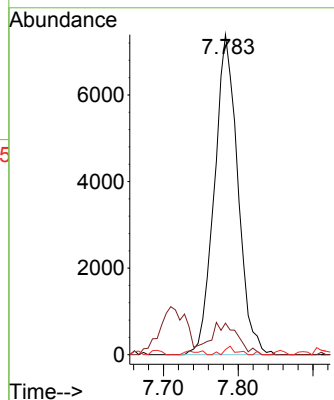


#36  
1,1-Dichloropropene  
Concen: 4.893 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

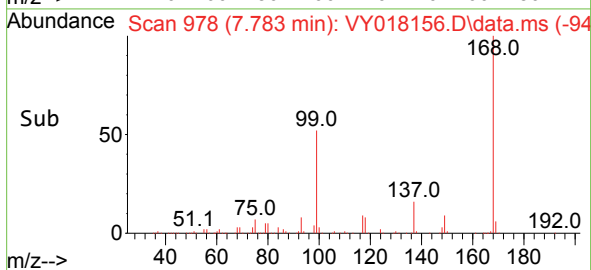
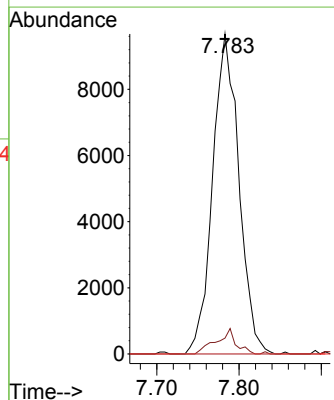
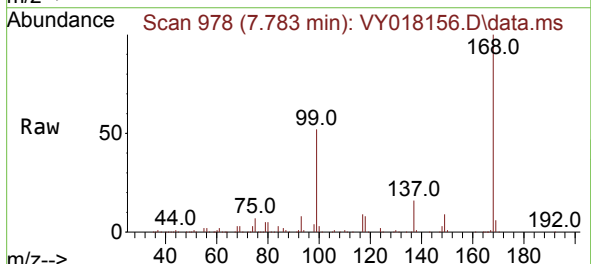


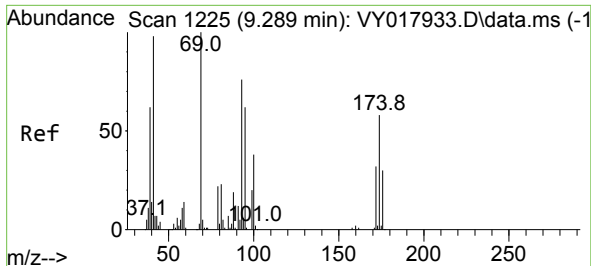
Tgt Ion: 75 Resp: 16115  
Ion Ratio Lower Upper  
75 100  
110 11.3 19.0 57.0#  
77 1.3 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.740 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.122 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

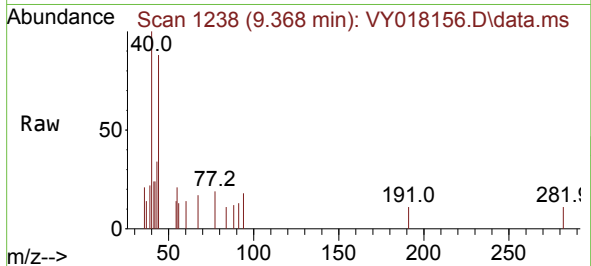
Tgt Ion: 117 Resp: 21453  
Ion Ratio Lower Upper  
117 100  
119 5.0 75.8 113.6#  
121 0.0 24.0 36.0#



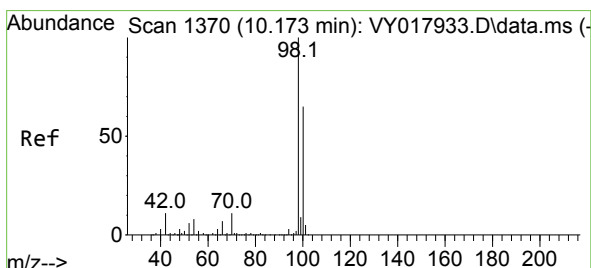
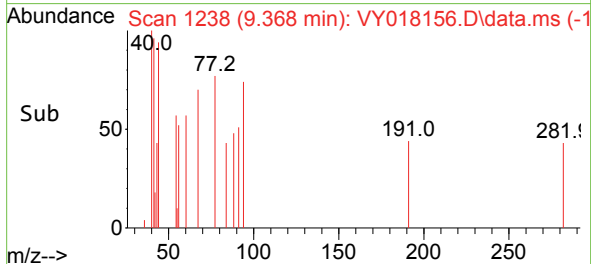
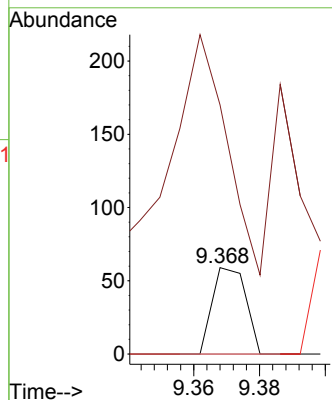


#49  
1,4-Dioxane  
Concen: 2.697 ug/l  
RT: 9.368 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

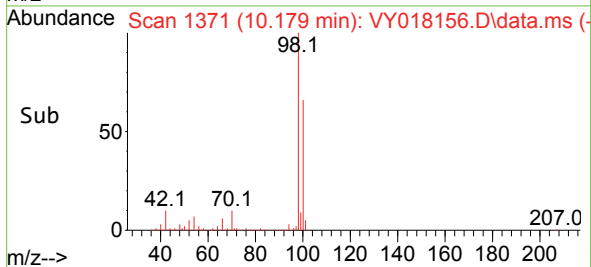
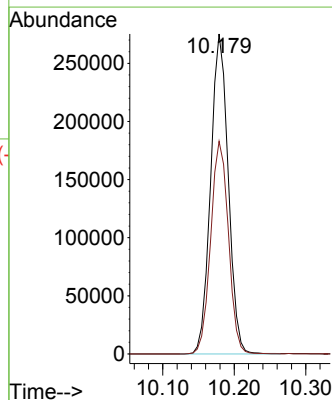
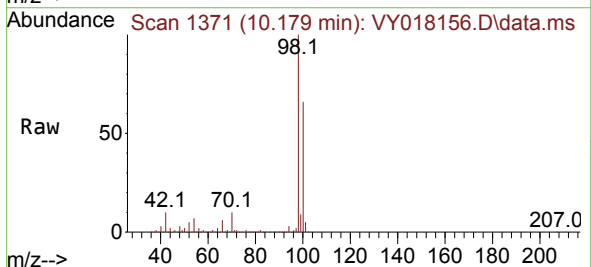


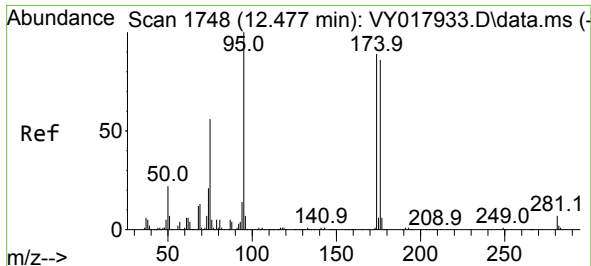
Tgt Ion: 88 Resp: 42  
Ion Ratio Lower Upper  
88 100  
43 983.3 0.0 0.0#  
58 0.0 49.3 73.9#



#50  
Toluene-d8  
Concen: 48.872 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

Tgt Ion: 98 Resp: 470688  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.0 78.0

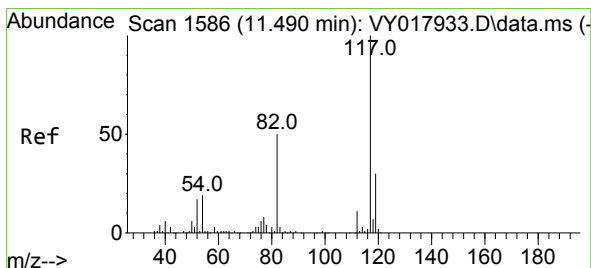
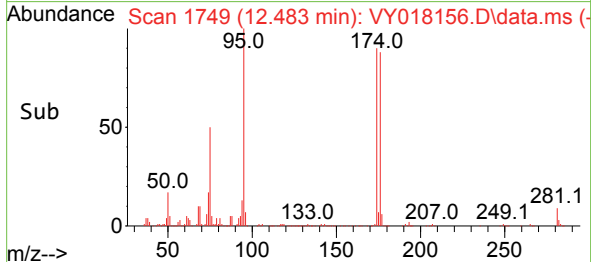
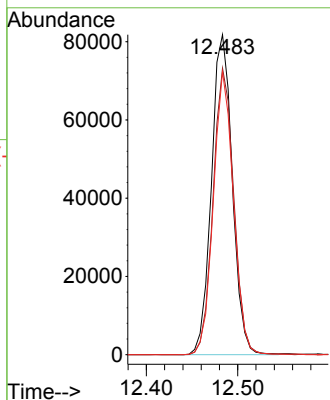
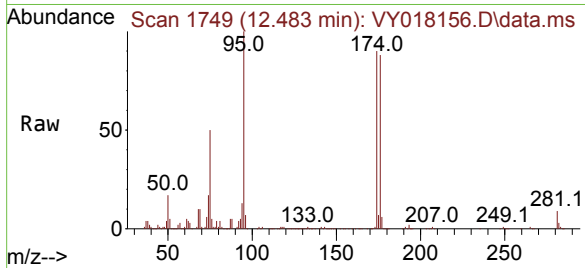




#62  
4-Bromofluorobenzene  
Concen: 39.105 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

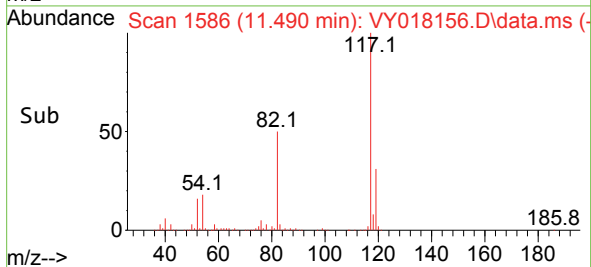
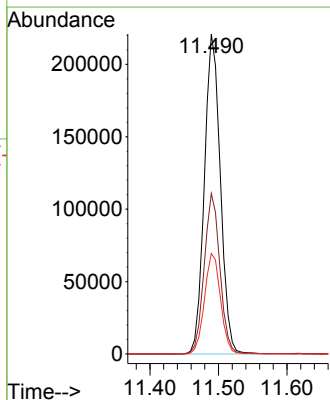
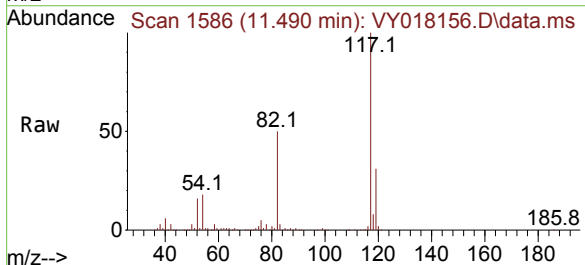
Instrument :  
MSVOA\_Y  
ClientSampleId :

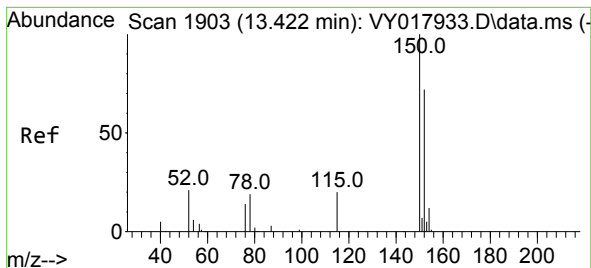
Tgt Ion: 95 Resp: 129612  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 175.6  
176 85.5 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY018156.D  
Acq: 06 May 2024 12:12

Tgt Ion: 117 Resp: 358669  
Ion Ratio Lower Upper  
117 100  
82 50.1 42.4 63.6  
119 31.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018156.D

Acq: 06 May 2024 12:12

Instrument :

MSVOA\_Y

ClientSampleId :

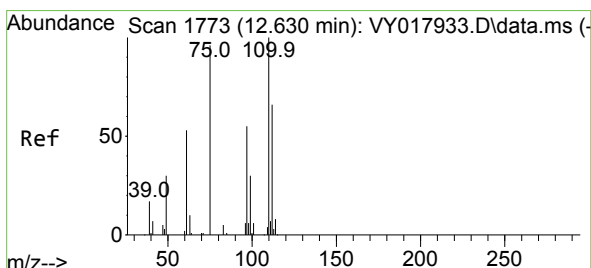
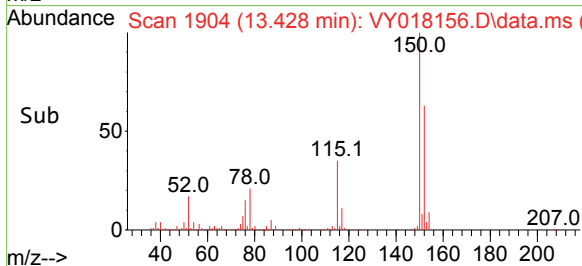
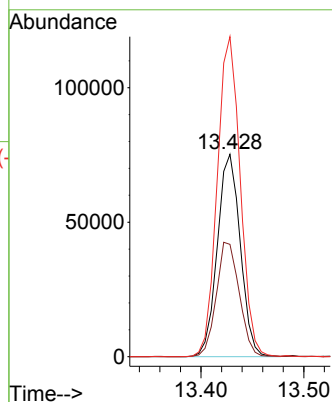
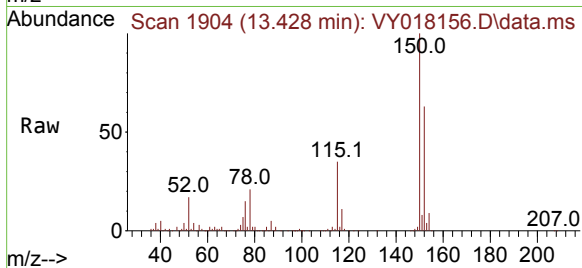
Tgt Ion:152 Resp: 116777

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.7

150 158.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 63.762 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY018156.D

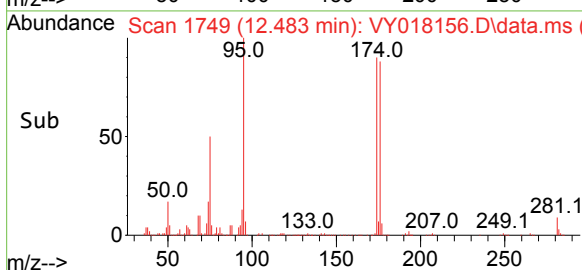
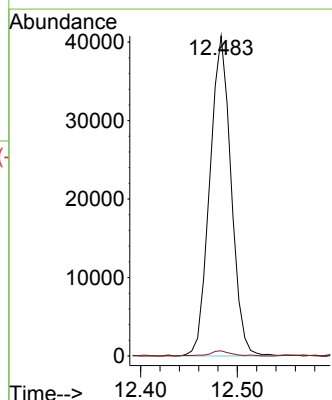
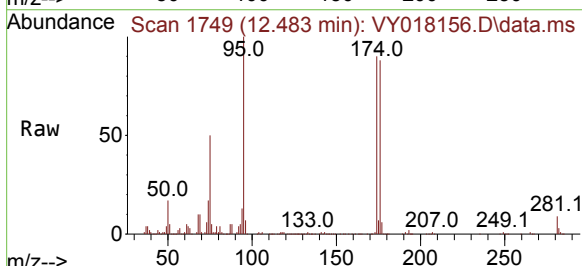
Acq: 06 May 2024 12:12

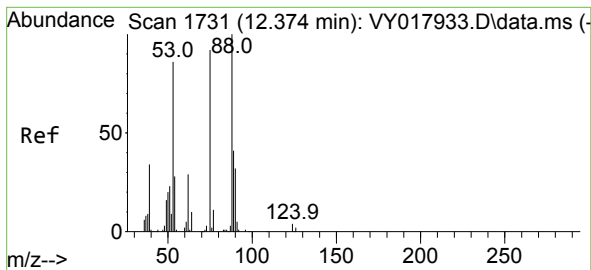
Tgt Ion: 75 Resp: 62490

Ion Ratio Lower Upper

75 100

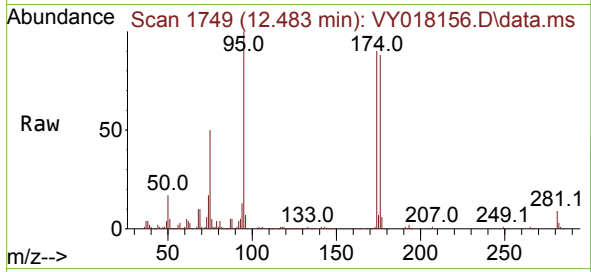
77 1.7 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 116.159 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY018156.D  
 Acq: 06 May 2024 12:12

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 62490  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 66.8 100.2#  
 89 0.1 35.8 53.6#

