

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050824\  
 Data File : VY018186.D  
 Acq On : 08 May 2024 14:21  
 Operator : SY/MD  
 Sample : P2408-04  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 09 02:26:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 01:40:14 2024  
 Response via : Initial Calibration

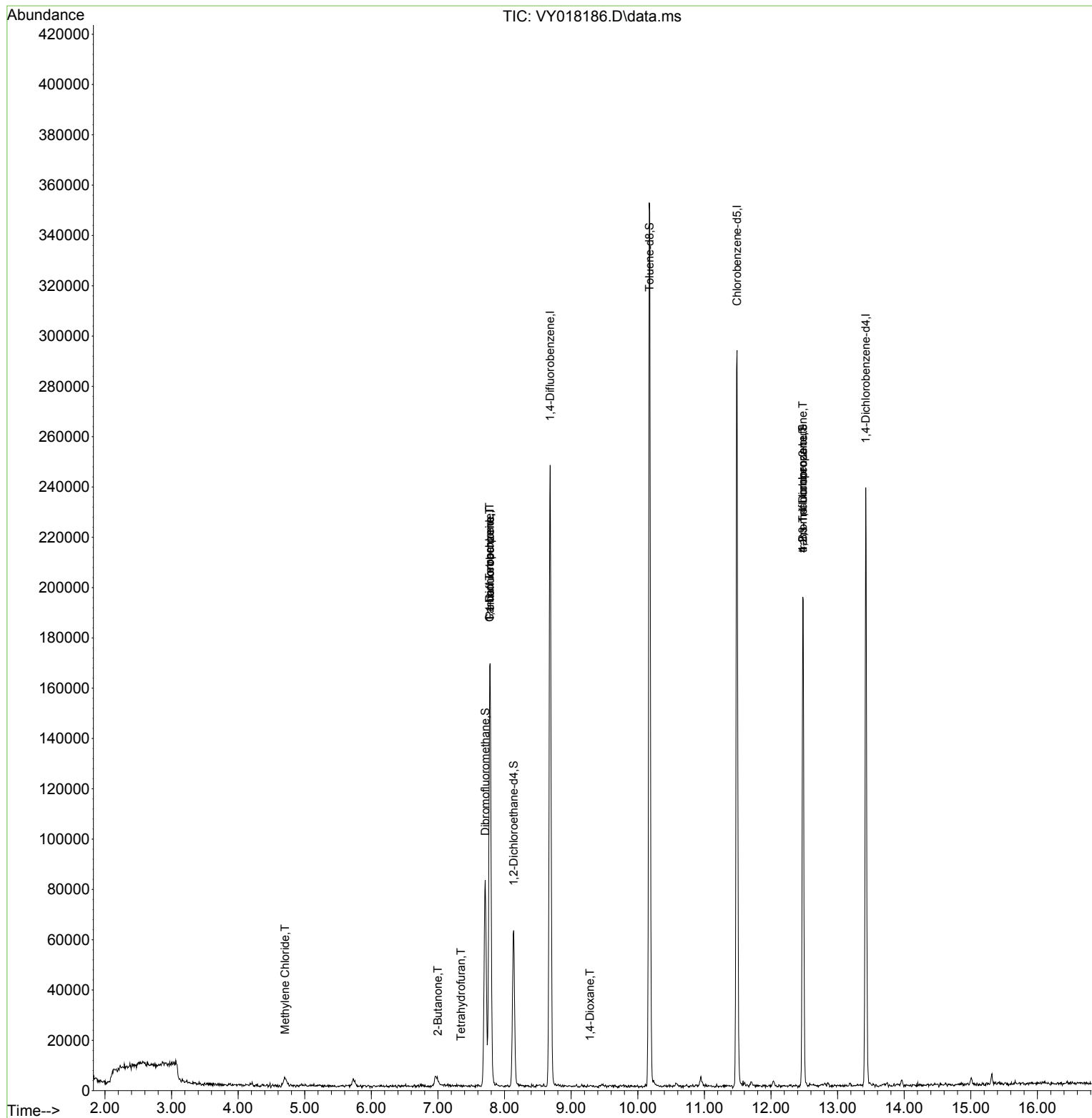
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 138110   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 228302   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 173318   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 62225    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137  | 65    | 45424    | 44.707    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 89.420%  |
| 35) Dibromofluoromethane      | 7.710  | 113   | 58543    | 48.793    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 97.580%  |
| 50) Toluene-d8                | 10.179 | 98    | 244966   | 51.811    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 103.620% |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 62656    | 41.035    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 82.060%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.918  | 59    | 310      | Below Cal | #      | 89       |
| 13) Acrolein                  | 3.698  | 56    | 33       | Below Cal | #      | 15       |
| 20) Methylene Chloride        | 4.704  | 84    | 2465     | 1.720     | ug/l # | 89       |
| 25) 2-Butanone                | 6.997  | 43    | 573      | 1.768     | ug/l   | 94       |
| 29) Tetrahydrofuran           | 7.344  | 42    | 436      | 2.038     | ug/l # | 44       |
| 31) Cyclohexane               | 7.777  | 56    | 2869     | Below Cal | #      | 20       |
| 36) 1,1-Dichloropropene       | 7.777  | 75    | 9696     | 5.637     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.777  | 117   | 13431    | 7.146     | ug/l # | 17       |
| 49) 1,4-Dioxane               | 9.283  | 88    | 48       | 5.200     | ug/l # | 20       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 32123    | 64.495    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 32123    | 124.260   | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

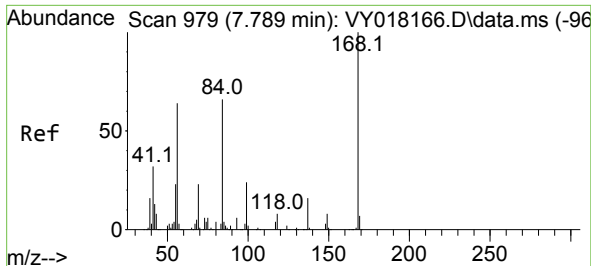
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050824\  
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Sample : P2408-04  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

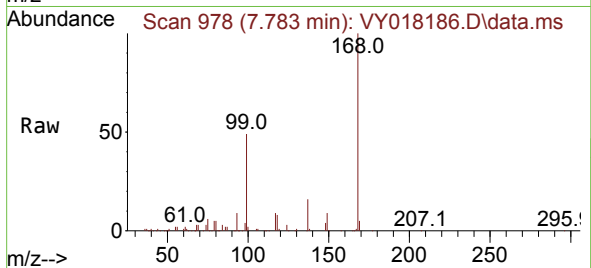
Quant Time: May 09 02:26:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 01:40:14 2024  
Response via : Initial Calibration



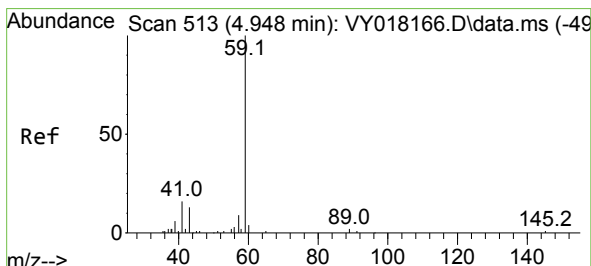
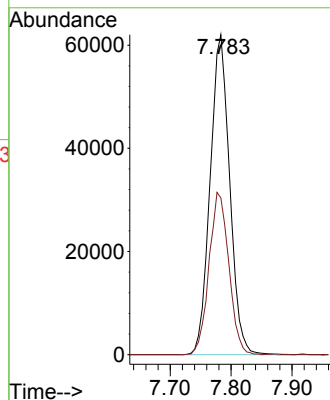
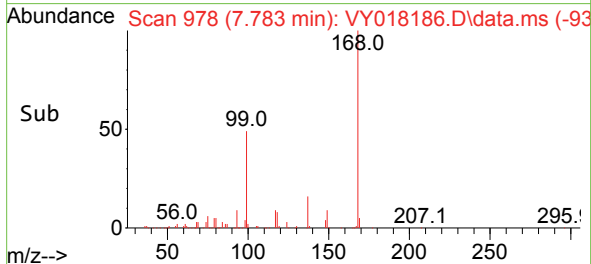


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

Instrument :  
MSVOA\_Y  
ClientSampleId :

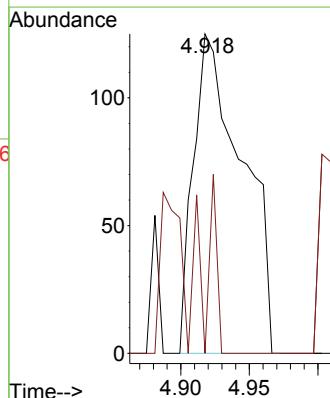
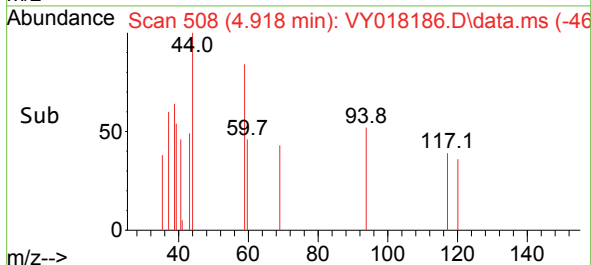
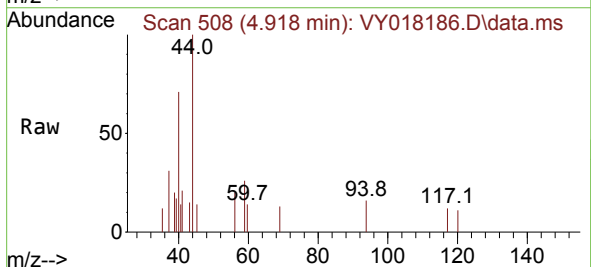


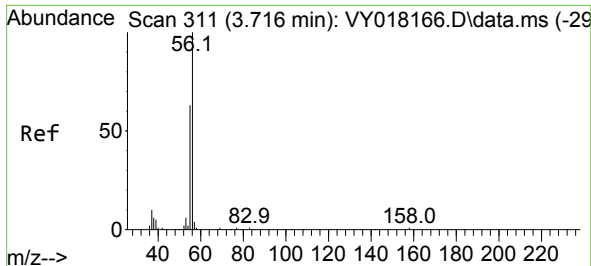
Tgt Ion:168 Resp: 138110  
Ion Ratio Lower Upper  
168 100  
99 49.0 39.1 58.7



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.918 min Scan# 508  
Delta R.T. -0.030 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

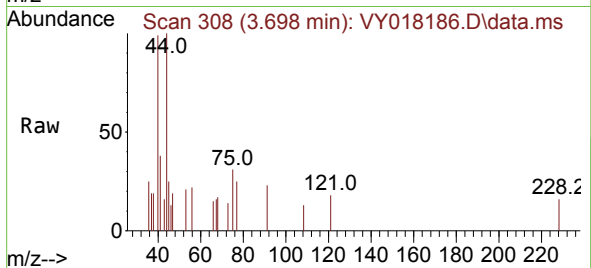
Tgt Ion: 59 Resp: 310  
Ion Ratio Lower Upper  
59 100  
57 7.4 3.0 4.6#



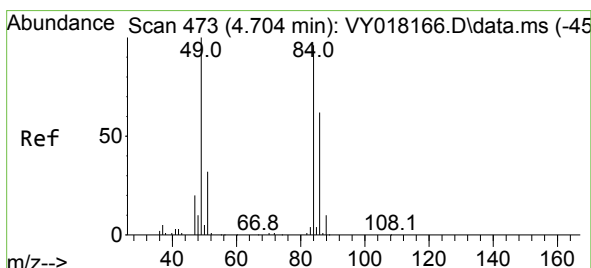
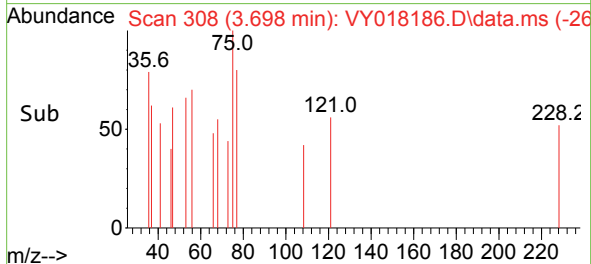


#13  
Acrolein  
Concen: Below Cal  
RT: 3.698 min Scan# 308  
Delta R.T. -0.018 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

Instrument :  
MSVOA\_Y  
ClientSampleId :

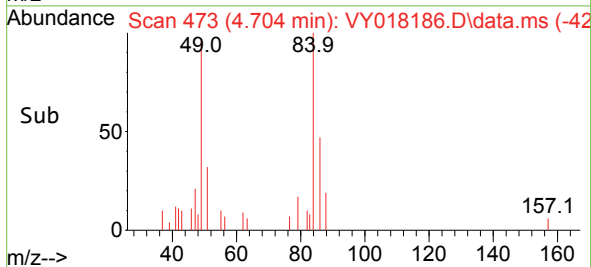
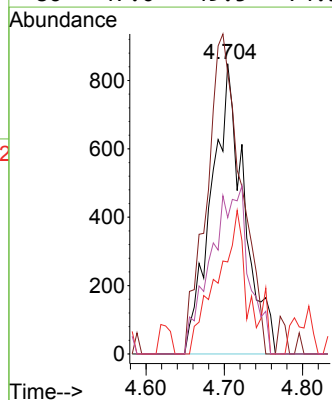
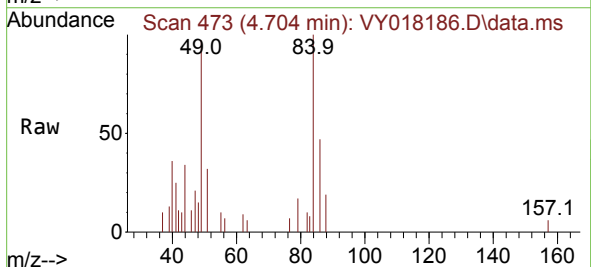


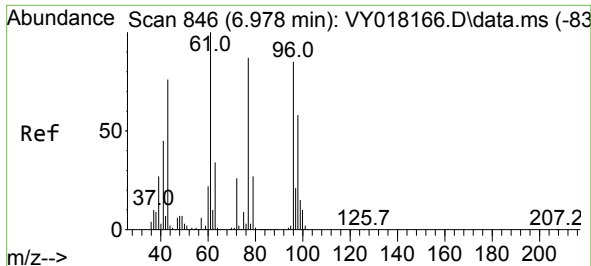
Tgt Ion: 56 Resp: 33  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.7 83.5#



#20  
Methylene Chloride  
Concen: 1.720 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

Tgt Ion: 84 Resp: 2465  
Ion Ratio Lower Upper  
84 100  
49 96.8 84.4 126.6  
51 31.7 26.0 39.0  
86 47.0 49.5 74.3#





#25

2-Butanone

Concen: 1.768 ug/l

RT: 6.997 min Scan# 84

Delta R.T. 0.018 min

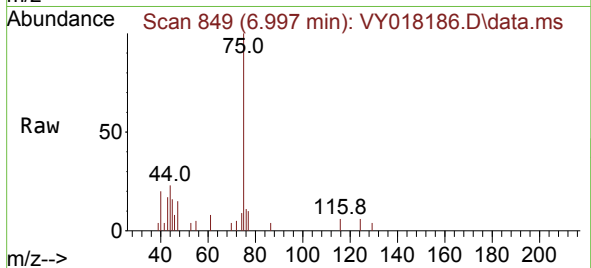
Lab File: VY018186.D

Acq: 08 May 2024 14:21

Instrument :

MSVOA\_Y

ClientSampleId :

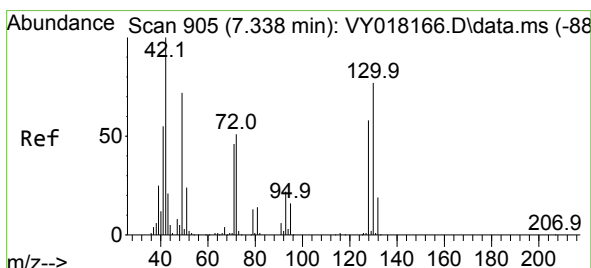
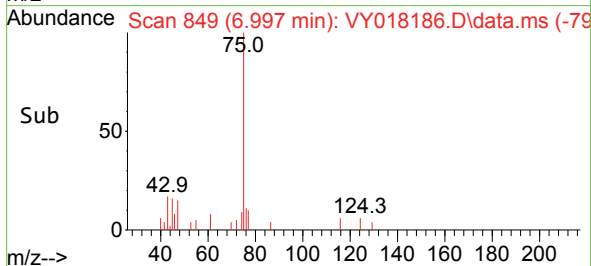
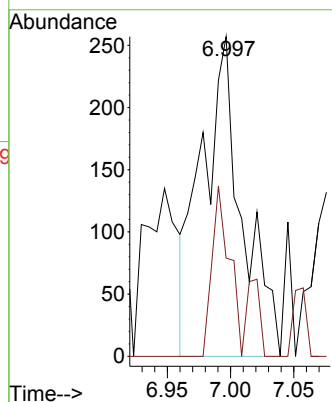


Tgt Ion: 43 Resp: 573

Ion Ratio Lower Upper

43 100

72 30.7 27.3 40.9



#29

Tetrahydrofuran

Concen: 2.038 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY018186.D

Acq: 08 May 2024 14:21

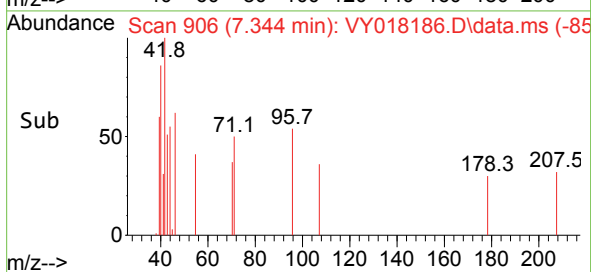
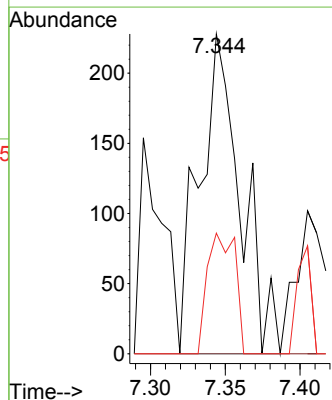
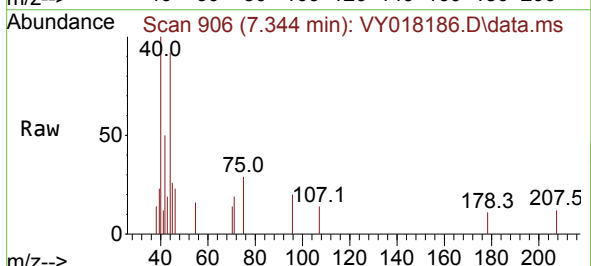
Tgt Ion: 42 Resp: 436

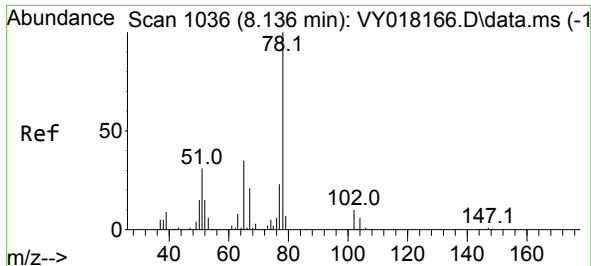
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 25.5 40.8 61.2#

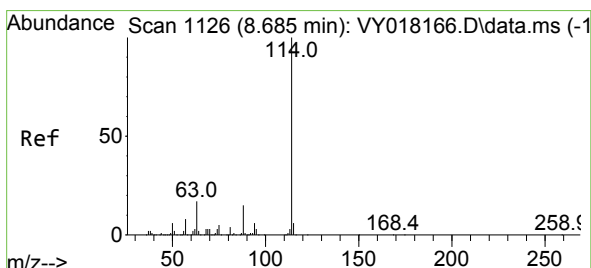
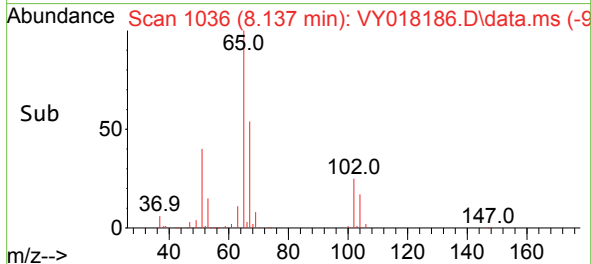
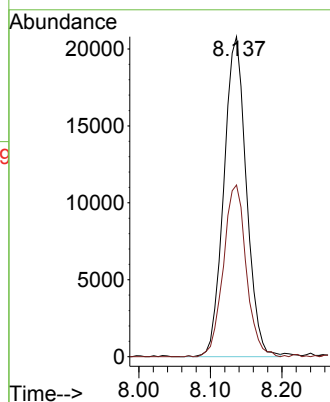
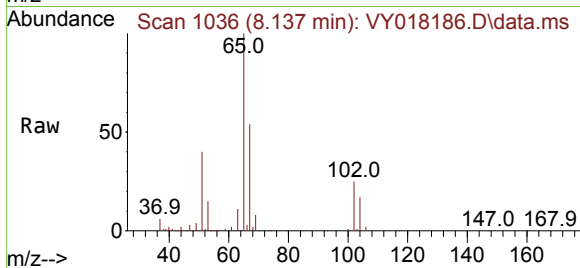




#33  
1,2-Dichloroethane-d4  
Concen: 44.707 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

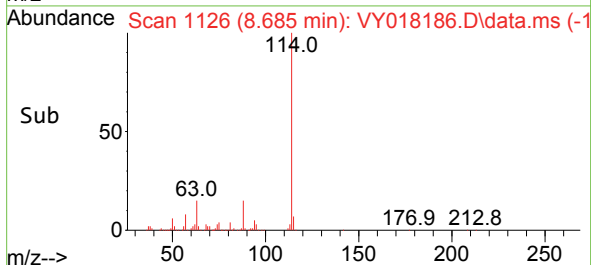
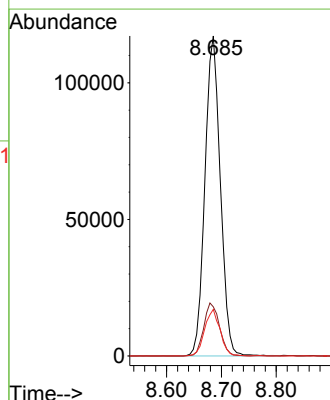
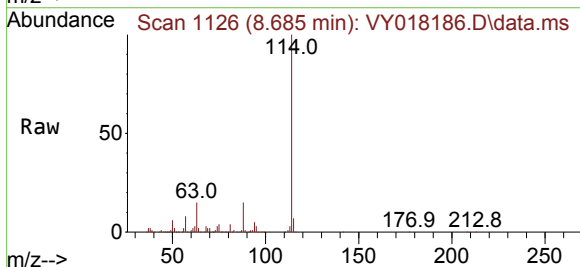
Instrument :  
MSVOA\_Y  
ClientSampleId :

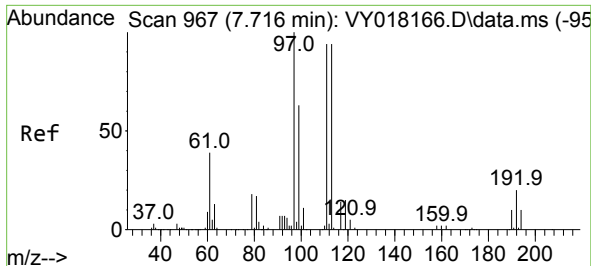
Tgt Ion: 65 Resp: 45424  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

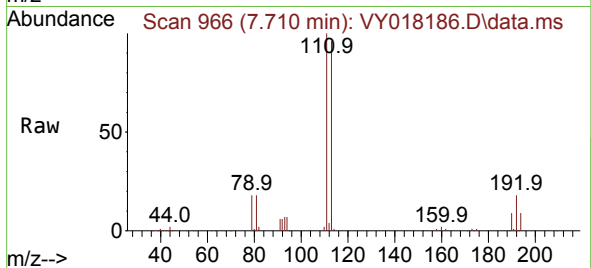
Tgt Ion:114 Resp: 228302  
Ion Ratio Lower Upper  
114 100  
63 15.4 0.0 35.0  
88 14.5 0.0 27.2



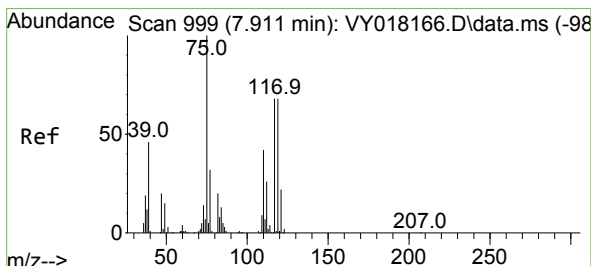
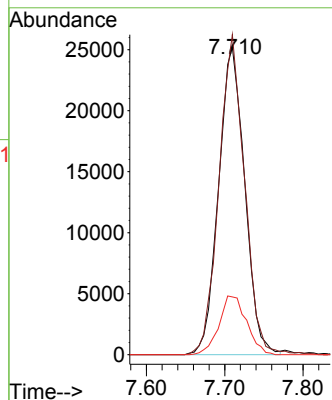
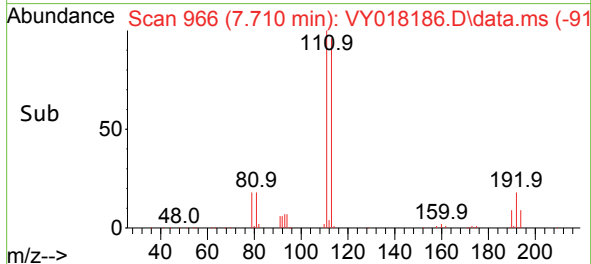


#35  
Dibromofluoromethane  
Concen: 48.793 ug/l  
RT: 7.710 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

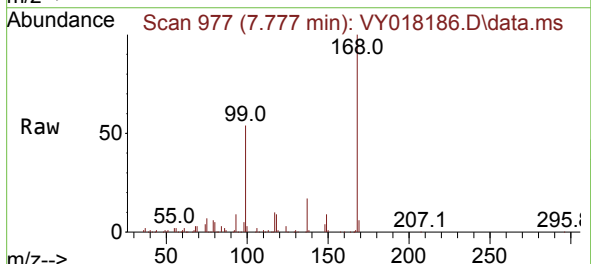
Instrument :  
MSVOA\_Y  
ClientSampleId :



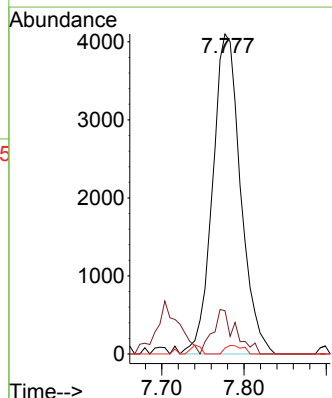
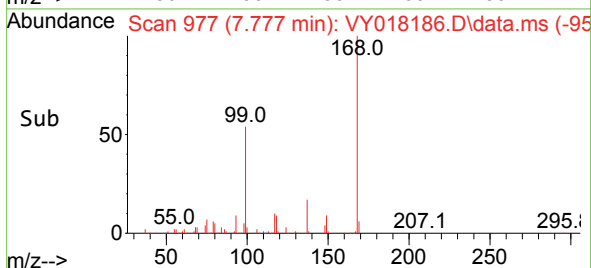
Tgt Ion:113 Resp: 58543  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.2 123.4  
192 20.1 15.9 23.9

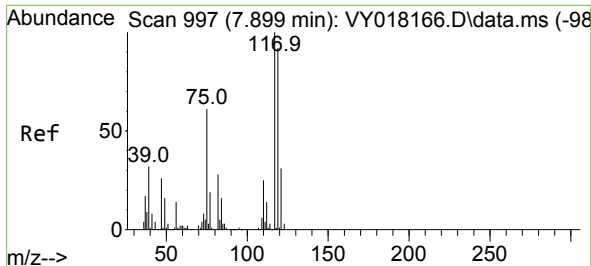


#36  
1,1-Dichloropropene  
Concen: 5.637 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.134 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21



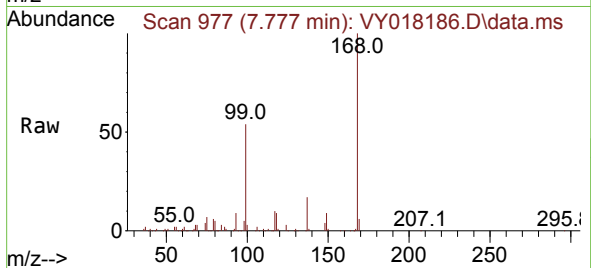
Tgt Ion: 75 Resp: 9696  
Ion Ratio Lower Upper  
75 100  
110 11.3 19.0 57.0#  
77 1.7 25.3 37.9#



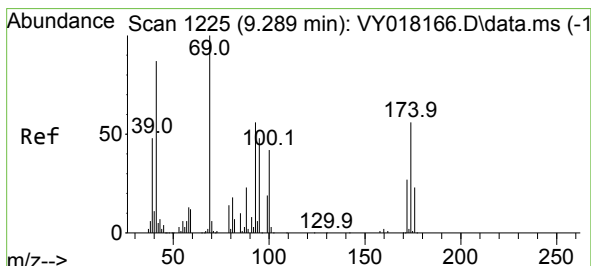
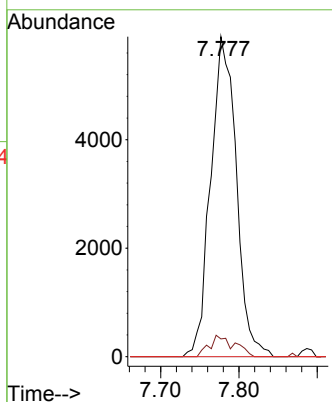
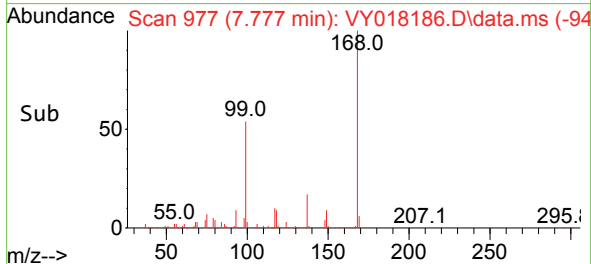


#38  
Carbon Tetrachloride  
Concen: 7.146 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

Instrument :  
MSVOA\_Y  
ClientSampleId :

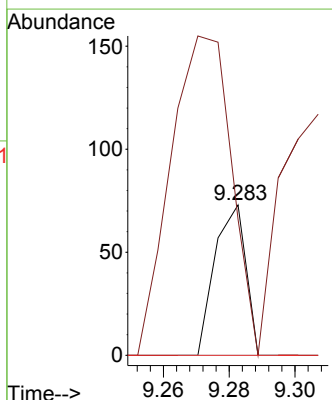
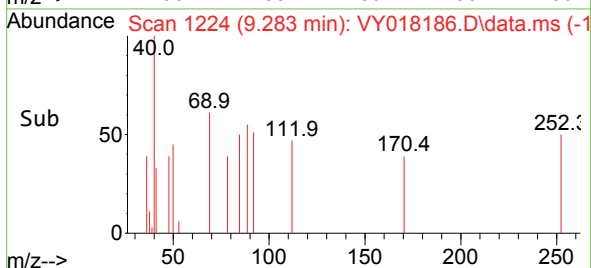
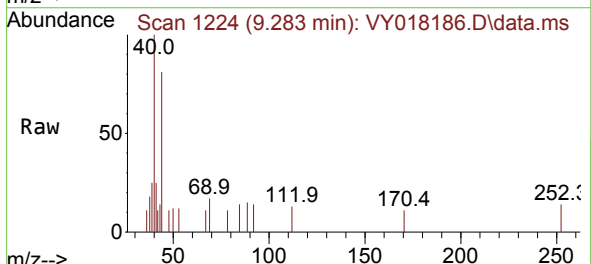


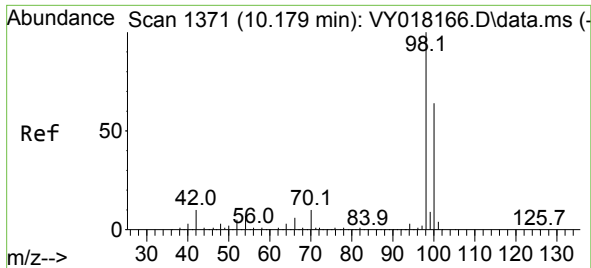
Tgt Ion:117 Resp: 13431  
Ion Ratio Lower Upper  
117 100  
119 5.5 75.8 113.6#  
121 0.0 24.0 36.0#



#49  
1,4-Dioxane  
Concen: 5.200 ug/l  
RT: 9.283 min Scan# 1224  
Delta R.T. -0.006 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

Tgt Ion: 88 Resp: 48  
Ion Ratio Lower Upper  
88 100  
43 414.6 0.0 0.0#  
58 0.0 49.3 73.9#

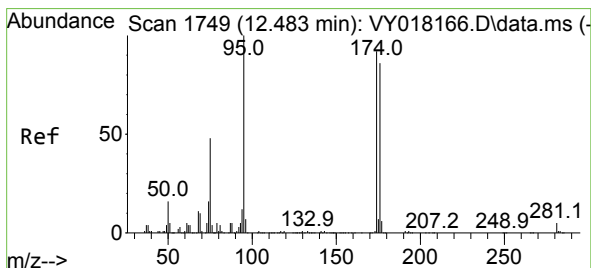
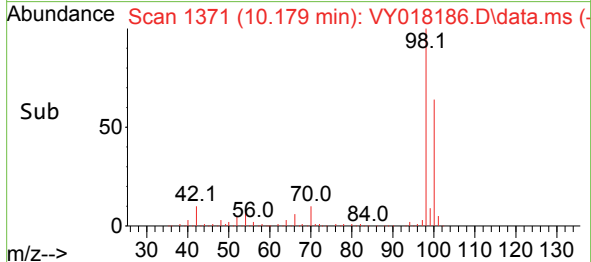
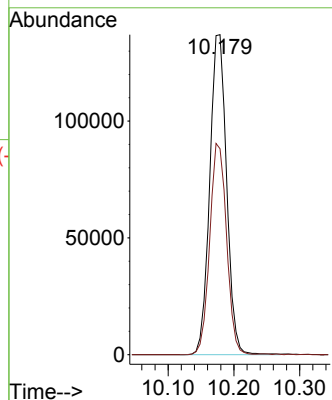
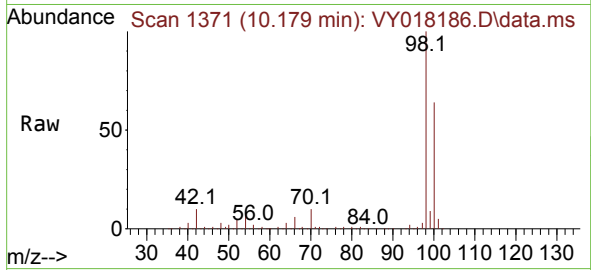




#50  
Toluene-d8  
Concen: 51.811 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

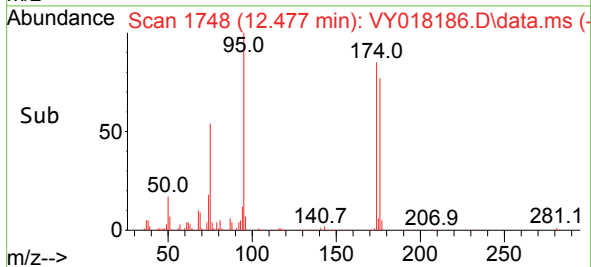
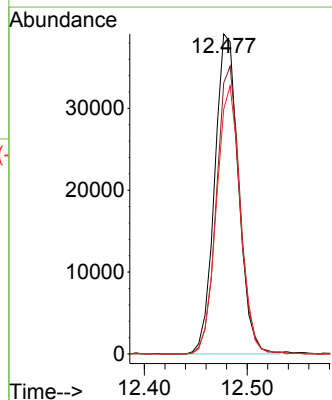
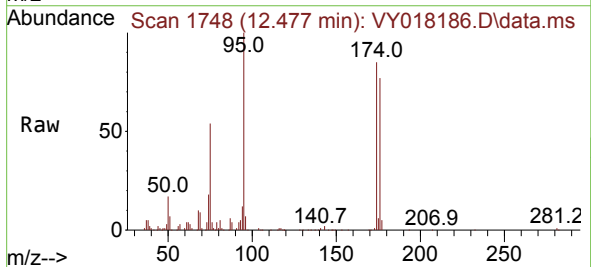
Instrument :  
MSVOA\_Y  
ClientSampleId :

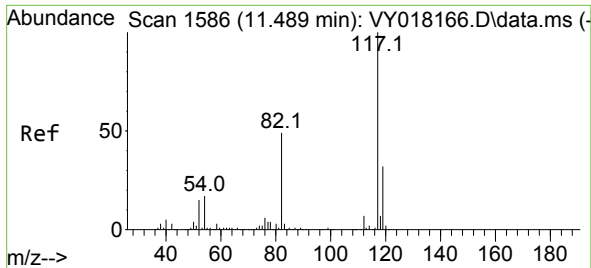
Tgt Ion: 98 Resp: 244966  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 41.035 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

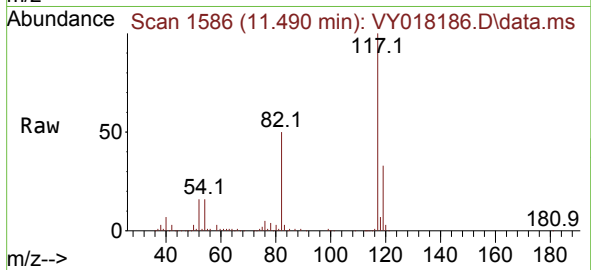
Tgt Ion: 95 Resp: 62656  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 175.6  
176 84.2 0.0 171.4



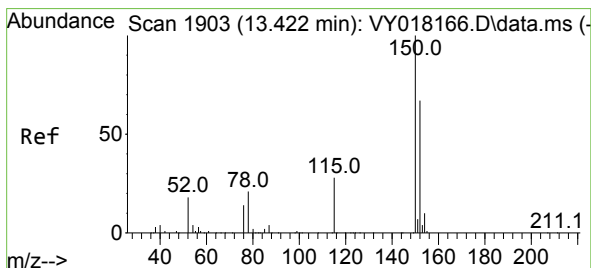
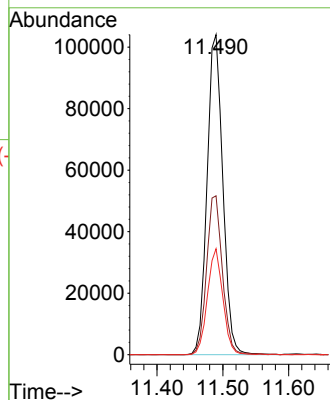
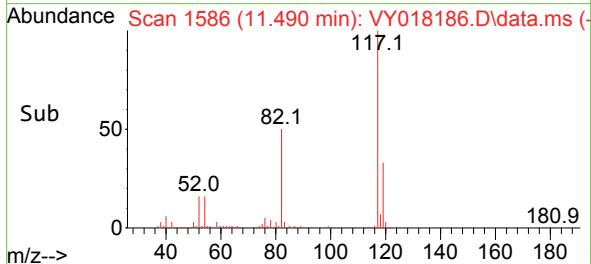


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21

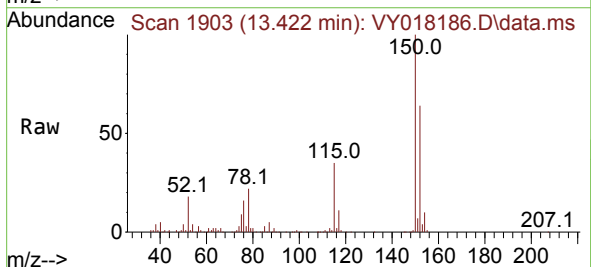
Instrument :  
MSVOA\_Y  
ClientSampleId :



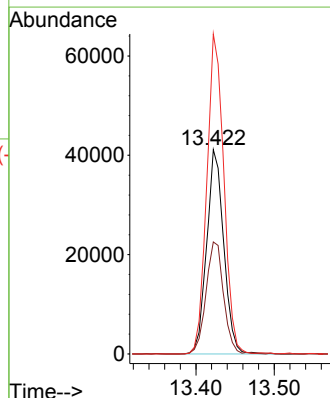
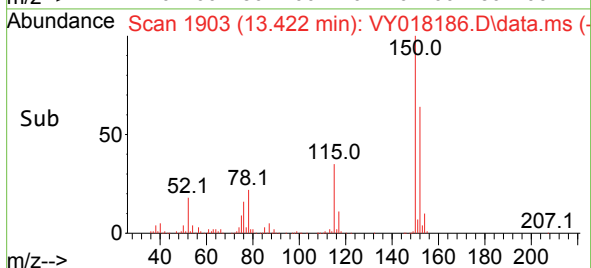
Tgt Ion:117 Resp: 173318  
Ion Ratio Lower Upper  
117 100  
82 49.7 42.4 63.6  
119 33.1 25.9 38.9

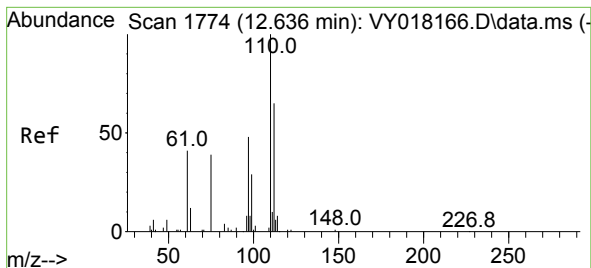


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY018186.D  
Acq: 08 May 2024 14:21



Tgt Ion:152 Resp: 62225  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.2 84.7  
150 155.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 64.495 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

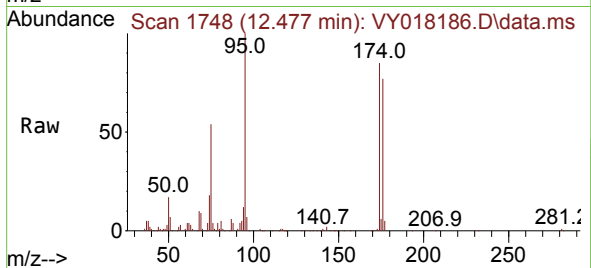
Lab File: VY018186.D

Acq: 08 May 2024 14:21

Instrument :

MSVOA\_Y

ClientSampleId :

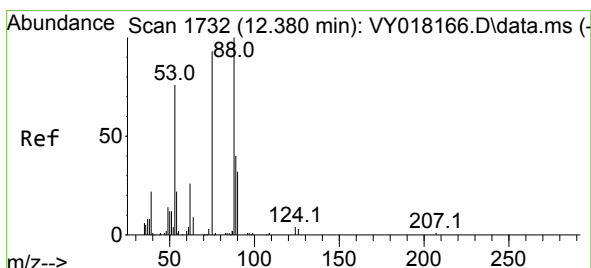
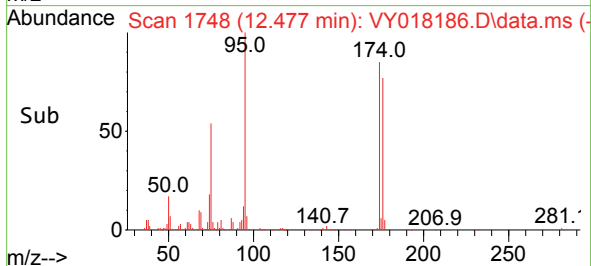
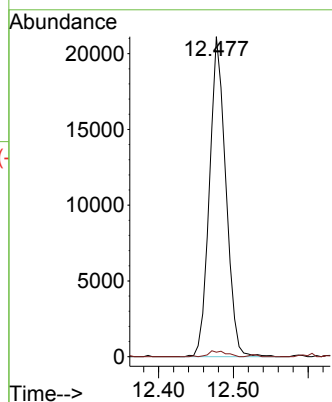


Tgt Ion: 75 Resp: 32123

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.260 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY018186.D

Acq: 08 May 2024 14:21

Tgt Ion: 75 Resp: 32123

Ion Ratio Lower Upper

75 100

53 0.1 66.8 100.2#

89 0.1 35.8 53.6#

