

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080922\  
 Data File : VY009918.D  
 Acq On : 09 Aug 2022 14:34  
 Operator : KP/MD  
 Sample : N4091-05  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PSC-124037

Quant Time: Aug 09 23:05:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 08 17:55:50 2022  
 Response via : Initial Calibration

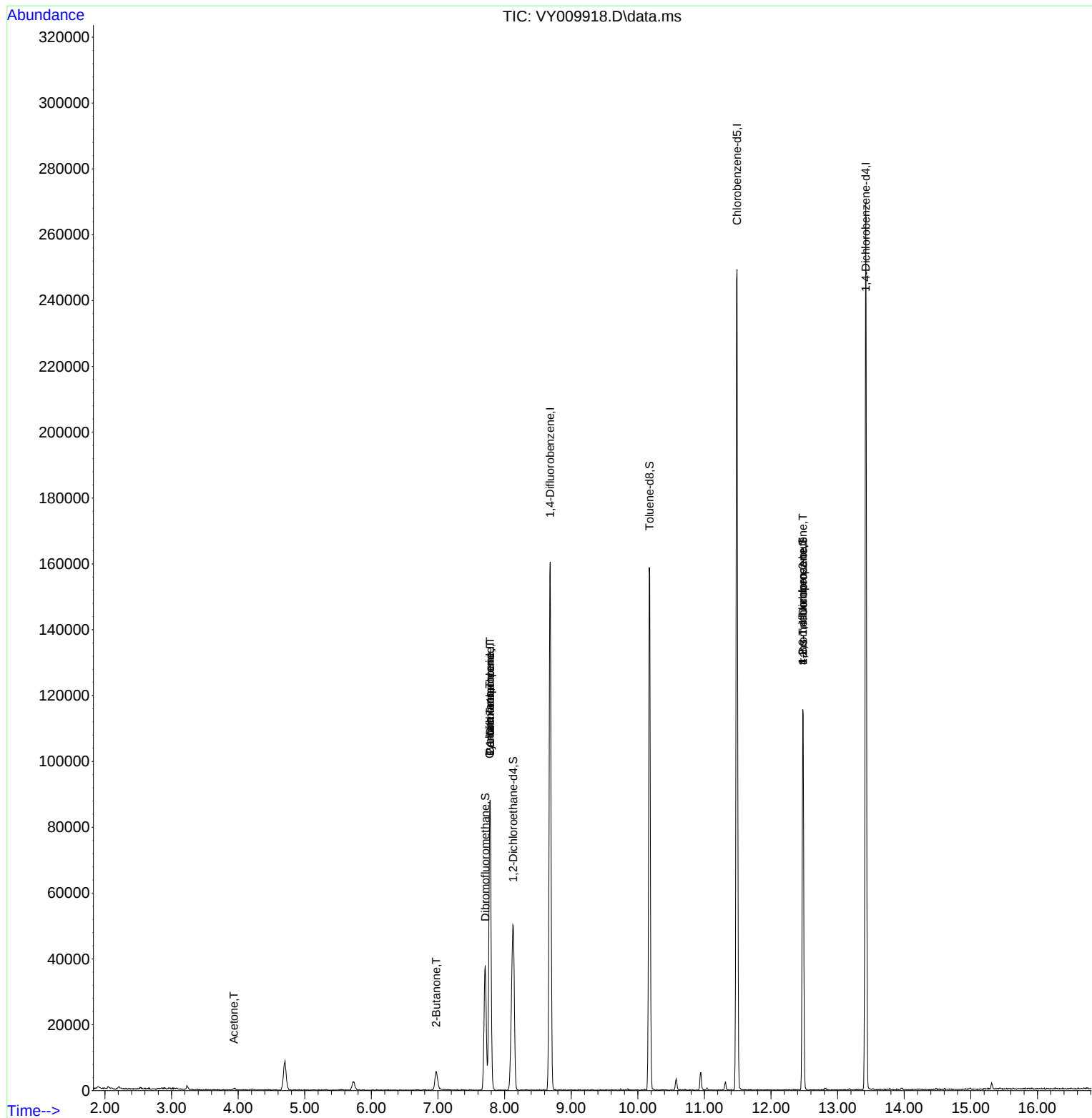
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 67476    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 136559   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 135133   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 64812    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.130  | 65    | 29531    | 56.672    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 113.340% |
| 35) Dibromofluoromethane      | 7.710  | 113   | 27322    | 36.857    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 73.720%  |
| 50) Toluene-d8                | 10.179 | 98    | 101548   | 44.480    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 88.960%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 35517    | 34.314    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 68.620%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 3.936  | 43    | 928      | 4.876     | ug/l   | 98       |
| 18) Methyl Acetate            | 4.466  | 43    | 128      | Below Cal | #      | 52       |
| 20) Methylene Chloride        | 4.704  | 84    | 6418     | Below Cal |        | 92       |
| 25) 2-Butanone                | 6.972  | 43    | 466      | 1.487     | ug/l # | 48       |
| 31) Cyclohexane               | 7.777  | 56    | 1476     | 1.127     | ug/l # | 2        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 5406     | 4.322     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 6521     | 5.253     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 18278    | 25.776    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 18278    | 52.114    | ug/l # | 13       |
| -----                         |        |       |          |           |        |          |

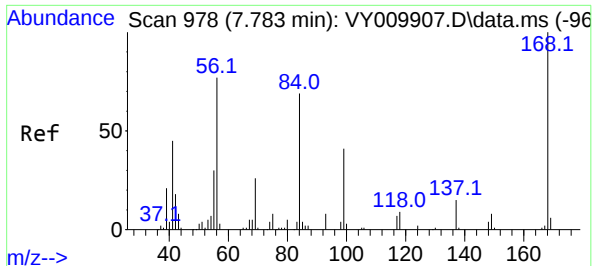
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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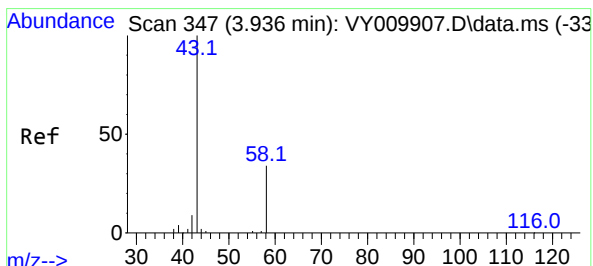
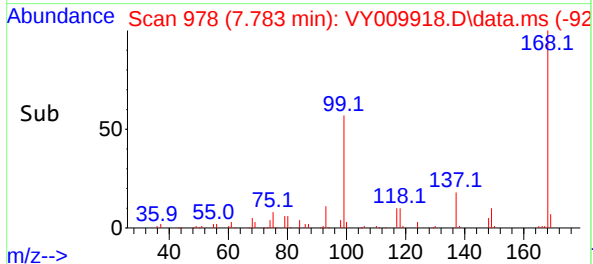
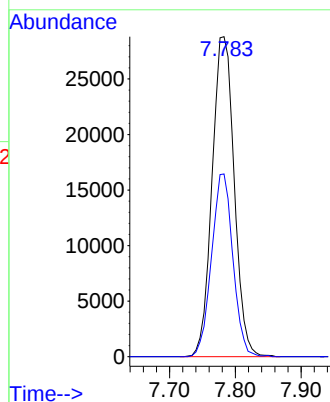
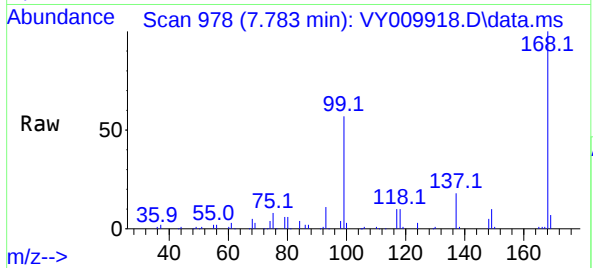




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

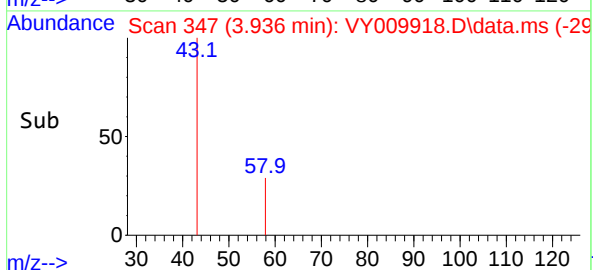
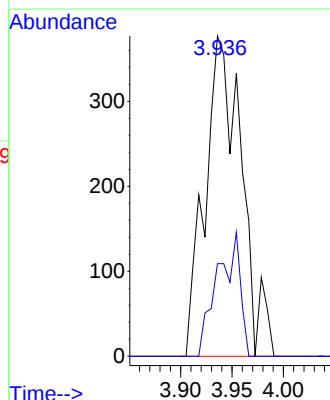
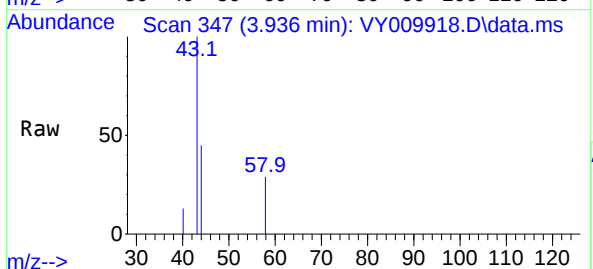
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PSC-124037

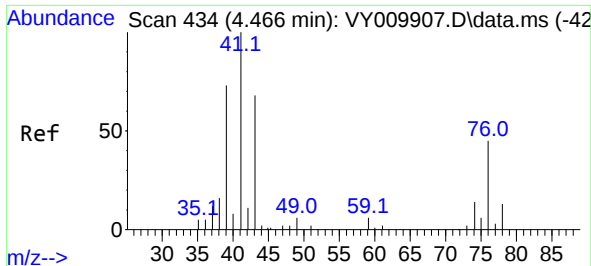
Tgt Ion:168 Resp: 67476  
Ion Ratio Lower Upper  
168 100  
99 57.1 42.1 63.1



#16  
Acetone  
Concen: 4.876 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.000 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

Tgt Ion: 43 Resp: 928  
Ion Ratio Lower Upper  
43 100  
58 28.9 24.0 36.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009918.D

Acq: 09 Aug 2022 14:34

Instrument :

MSVOA\_Y

ClientSampleId :

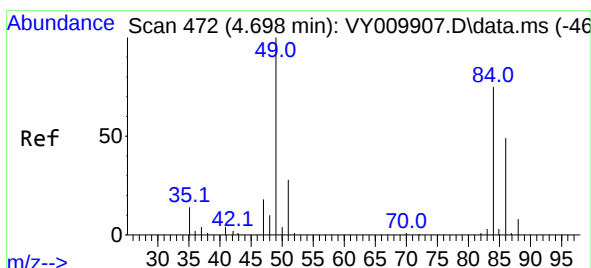
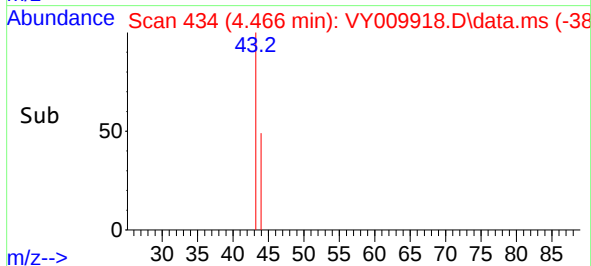
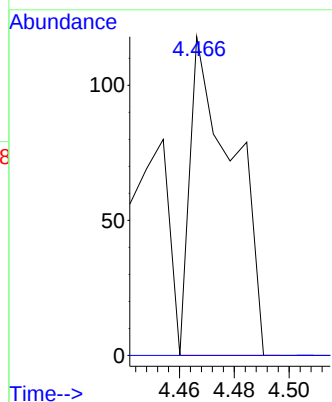
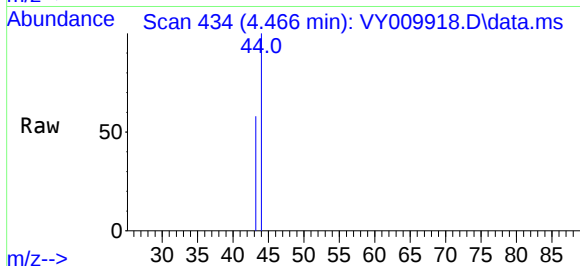
PSC-124037

Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

74 0.0 18.8 28.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY009918.D

Acq: 09 Aug 2022 14:34

Tgt Ion: 84 Resp: 6418

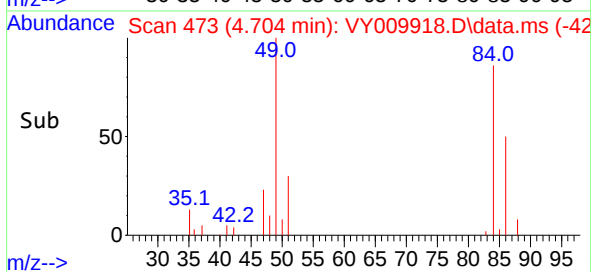
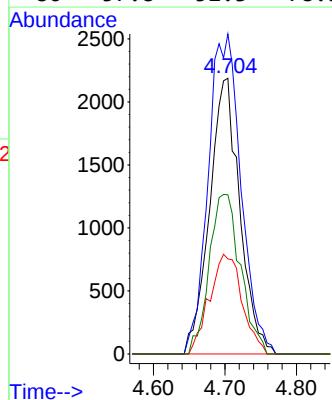
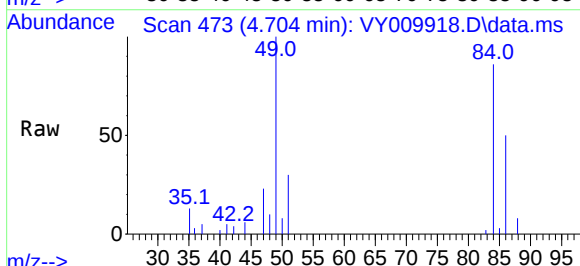
Ion Ratio Lower Upper

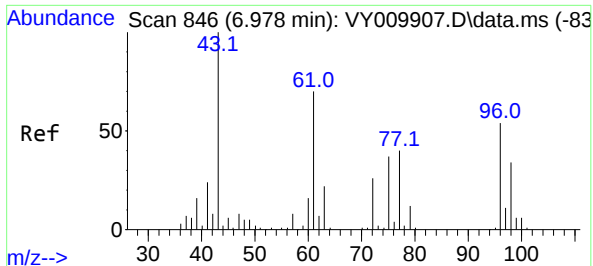
84 100

49 116.1 98.2 147.4

51 34.5 33.4 50.0

86 57.8 52.3 78.5





#25

2-Butanone

Concen: 1.487 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY009918.D

Acq: 09 Aug 2022 14:34

Instrument :

MSVOA\_Y

ClientSampleId :

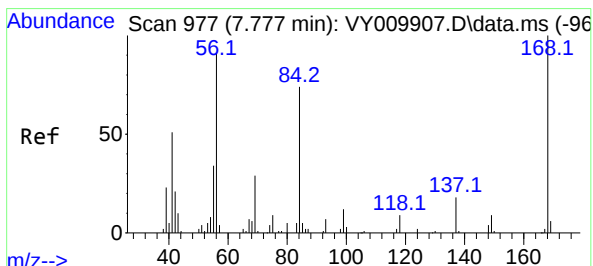
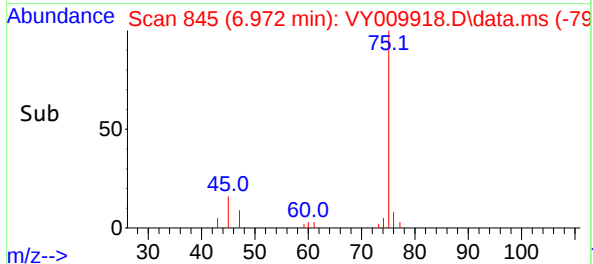
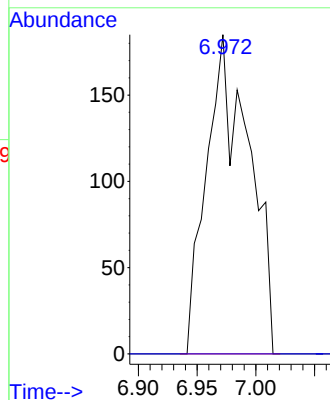
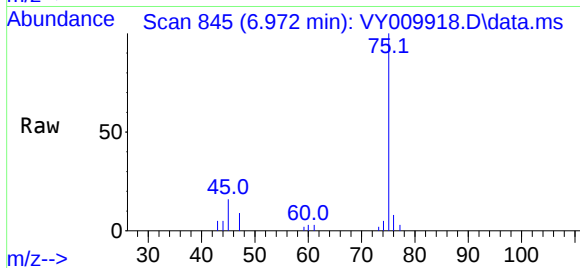
PSC-124037

Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#31

Cyclohexane

Concen: 1.127 ug/l

RT: 7.777 min Scan# 977

Delta R.T. 0.001 min

Lab File: VY009918.D

Acq: 09 Aug 2022 14:34

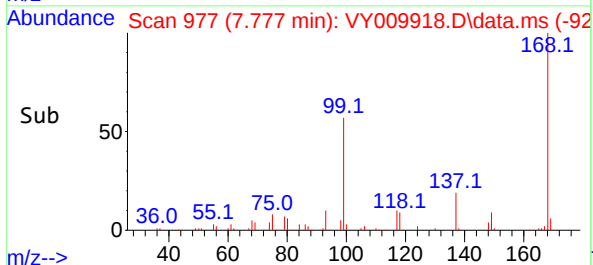
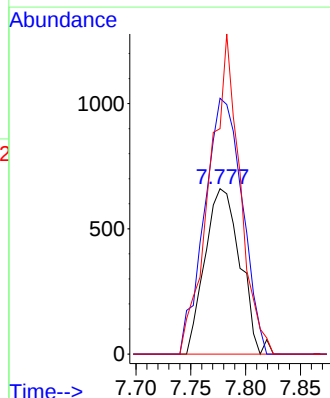
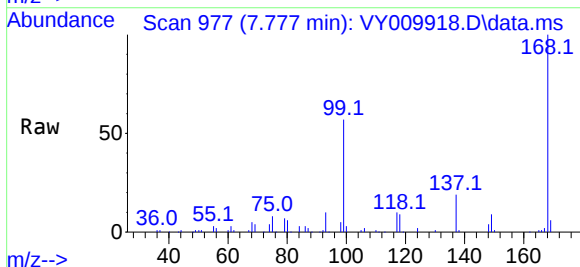
Tgt Ion: 56 Resp: 1476

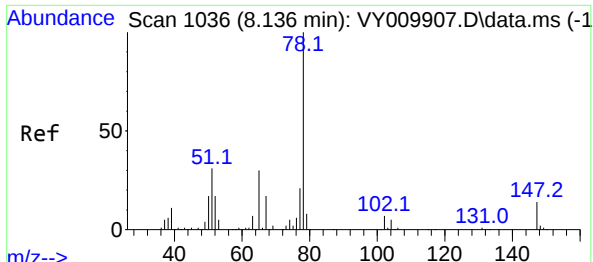
Ion Ratio Lower Upper

56 100

69 154.7 26.0 39.0#

84 136.4 69.5 104.3#

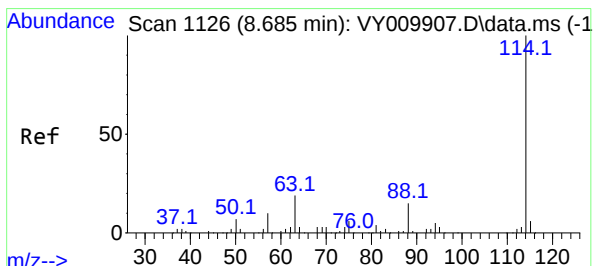
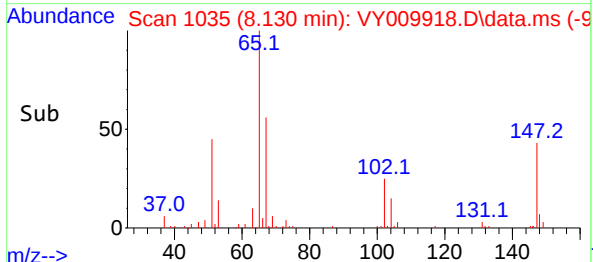
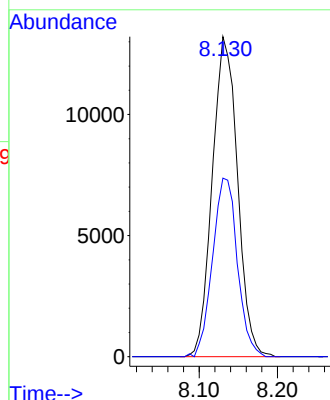
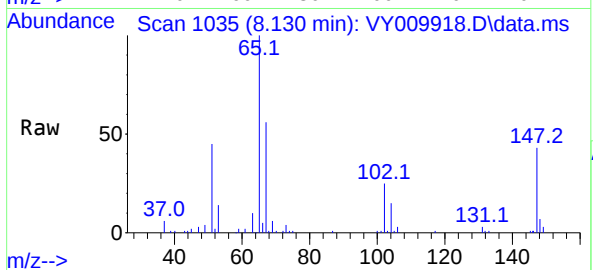




#33  
1,2-Dichloroethane-d4  
Concen: 56.672 ug/l  
RT: 8.130 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

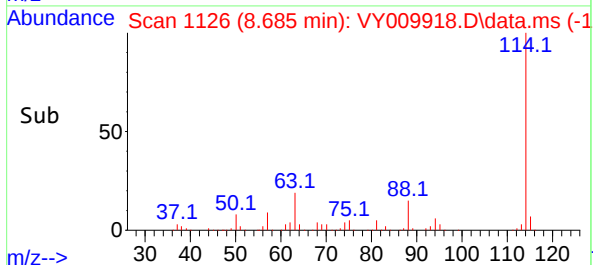
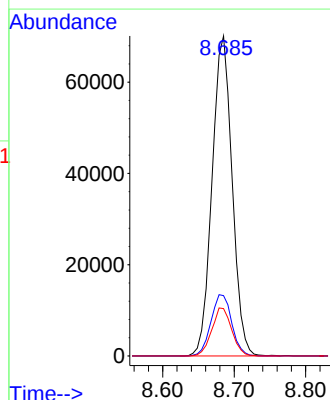
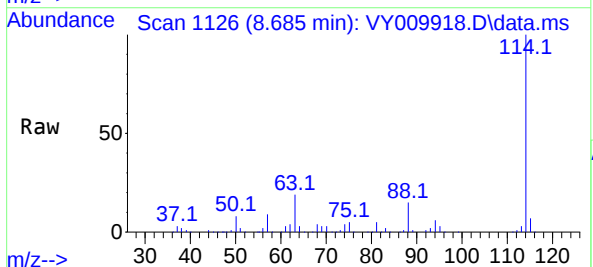
Instrument :  
MSVOA\_Y  
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PSC-124037

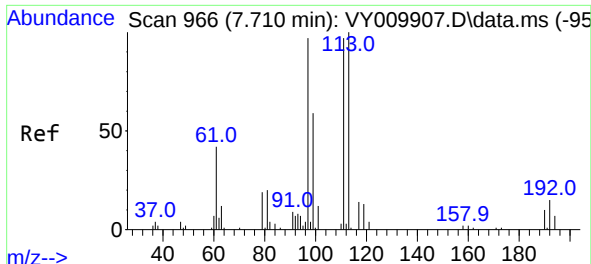
Tgt Ion: 65 Resp: 29531  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 108.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

Tgt Ion: 114 Resp: 136559  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 38.0  
88 14.8 0.0 30.0



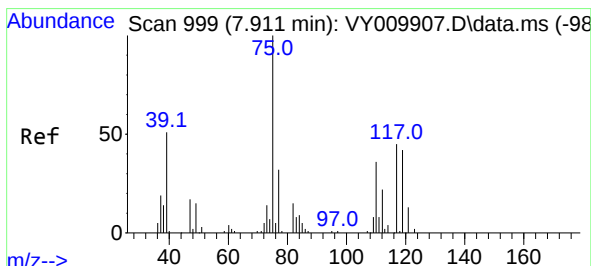
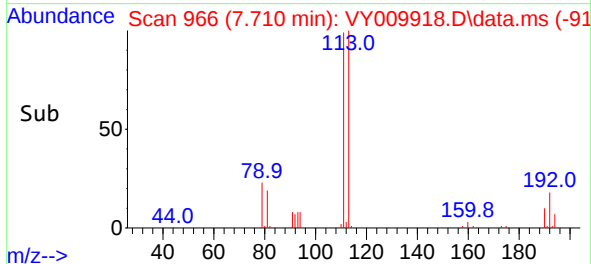
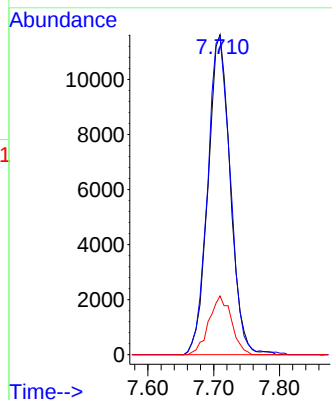
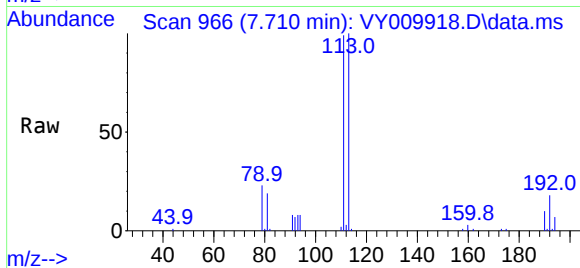


#35  
Dibromofluoromethane  
Concen: 36.857 ug/l  
RT: 7.710 min Scan# 910  
Delta R.T. 0.001 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PSC-124037

Tgt Ion:113 Resp: 27322

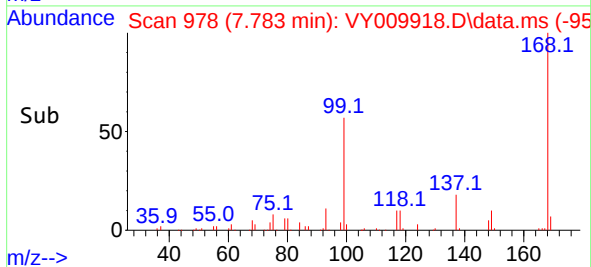
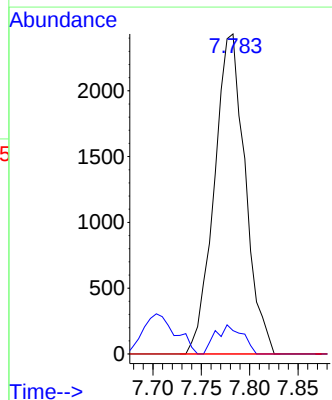
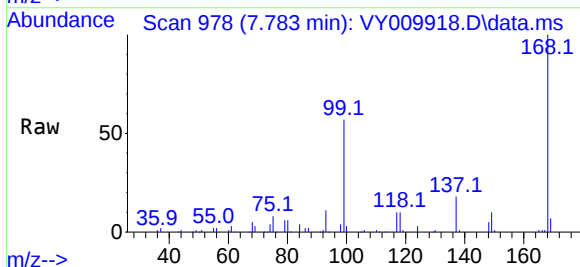
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.9 | 80.6  | 120.8 |
| 192 | 18.7  | 16.2  | 24.4  |

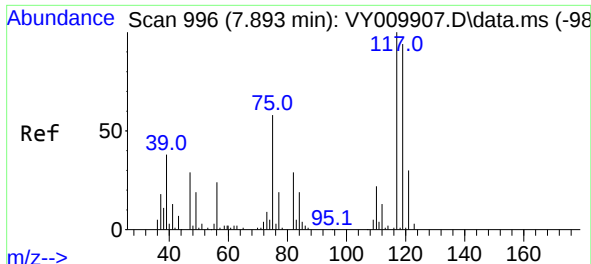


#36  
1,1-Dichloropropene  
Concen: 4.322 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

Tgt Ion: 75 Resp: 5406

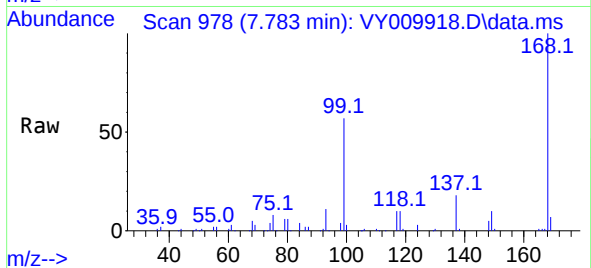
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 7.9   | 18.6  | 56.0# |
| 77  | 0.0   | 25.0  | 37.4# |



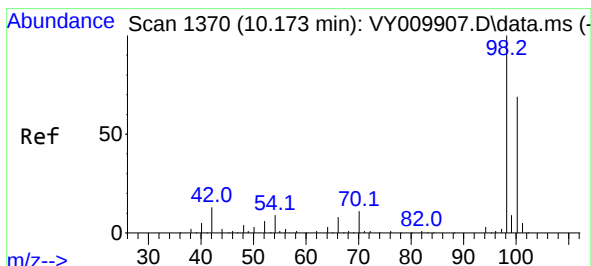
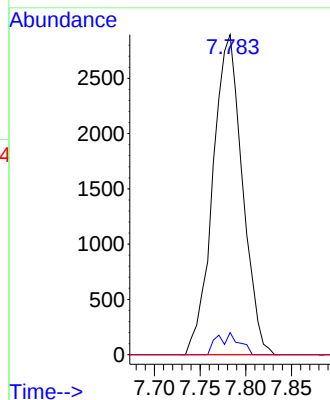
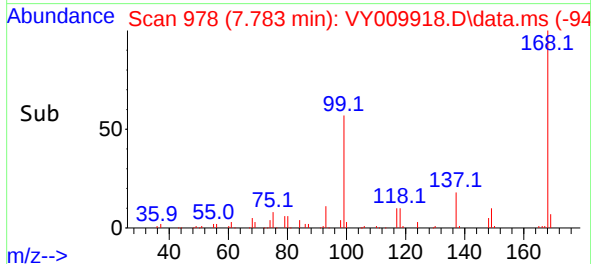


#38  
Carbon Tetrachloride  
Concen: 5.253 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

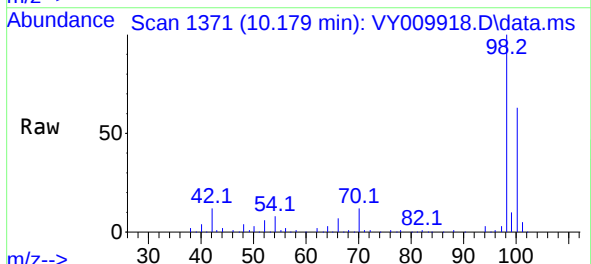
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ClientSampleId :  
PSC-124037



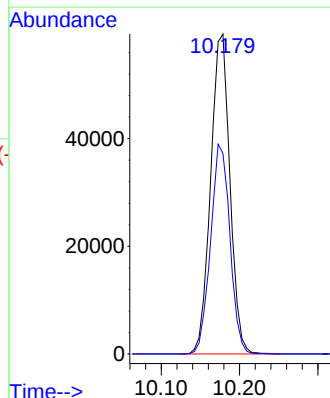
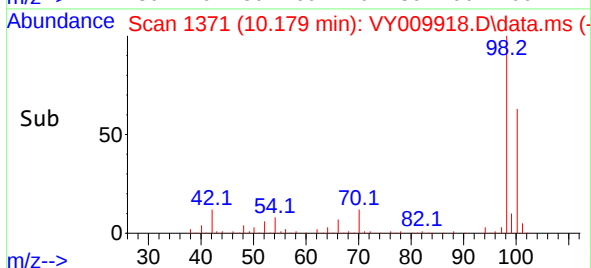
Tgt Ion:117 Resp: 6521  
Ion Ratio Lower Upper  
117 100  
119 6.9 75.9 113.9#  
121 0.0 24.9 37.3#

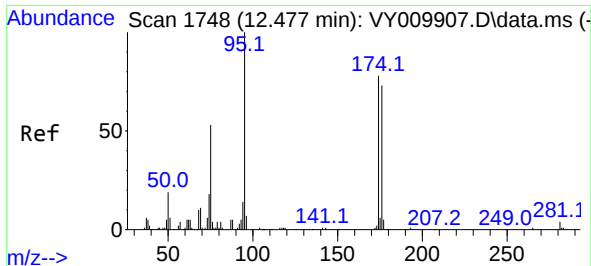


#50  
Toluene-d8  
Concen: 44.480 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.007 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34



Tgt Ion: 98 Resp: 101548  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.9 79.3

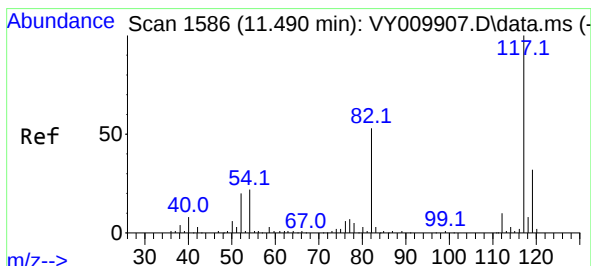
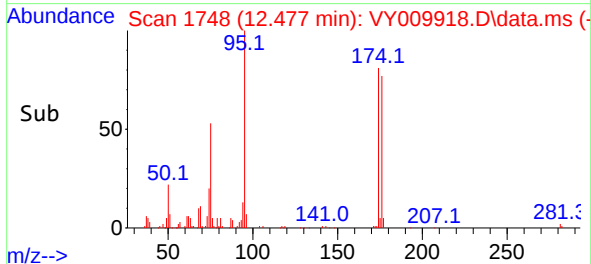
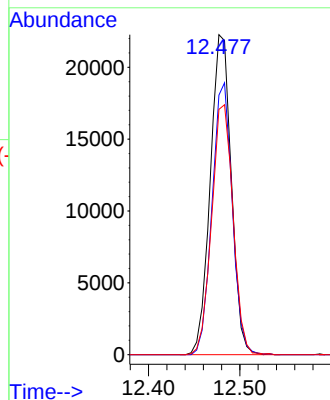
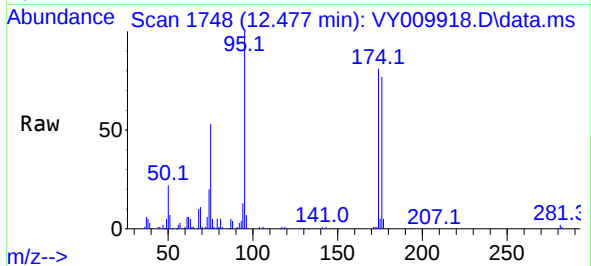




#62  
4-Bromofluorobenzene  
Concen: 34.314 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

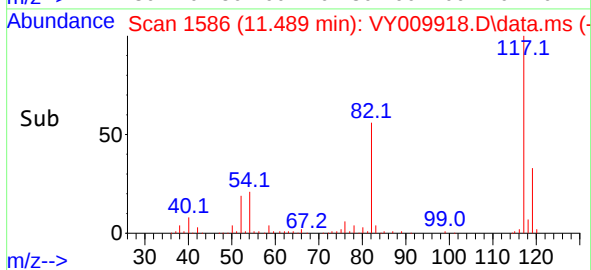
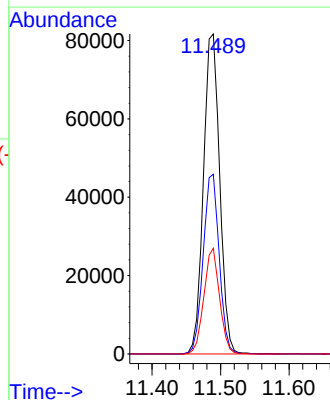
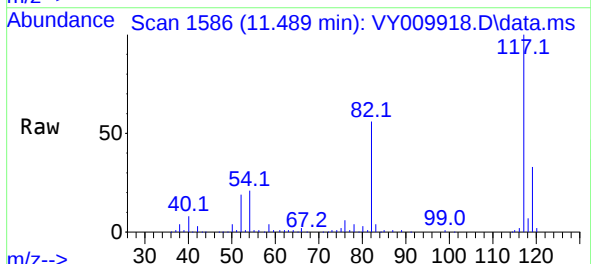
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PSC-124037

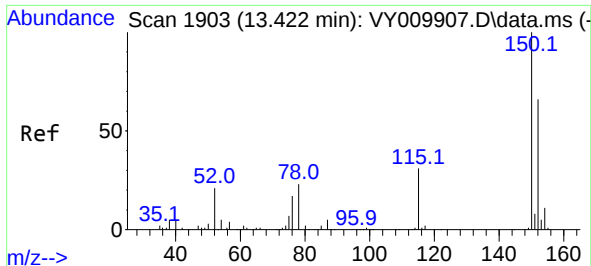
Tgt Ion: 95 Resp: 35517  
Ion Ratio Lower Upper  
95 100  
174 81.9 0.0 173.8  
176 79.5 0.0 167.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY009918.D  
Acq: 09 Aug 2022 14:34

Tgt Ion: 117 Resp: 135133  
Ion Ratio Lower Upper  
117 100  
82 56.1 41.8 62.6  
119 33.0 25.6 38.4

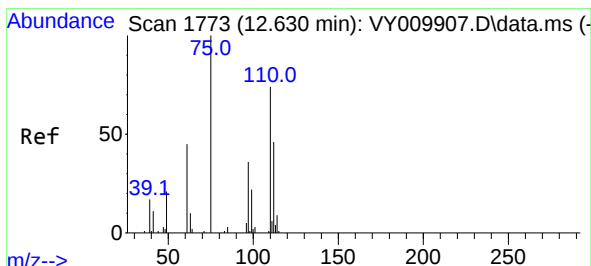
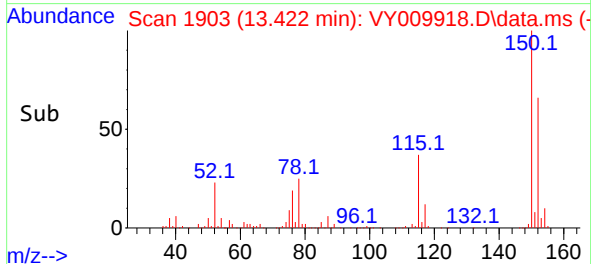
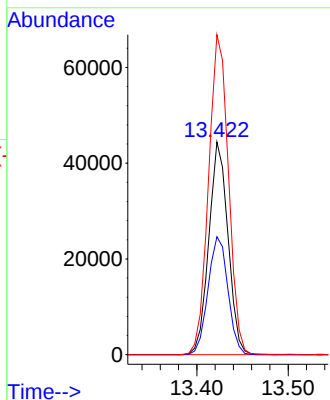
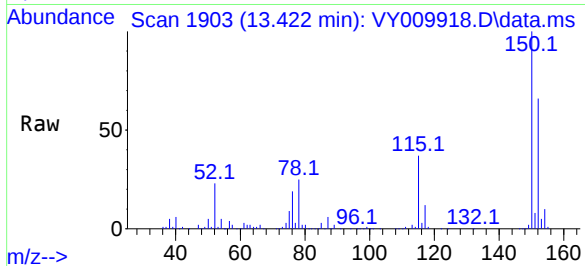




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY009918.D  
 Acq: 09 Aug 2022 14:34

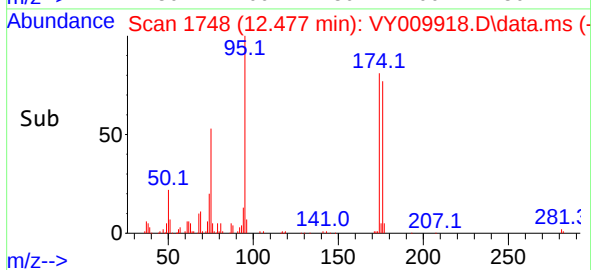
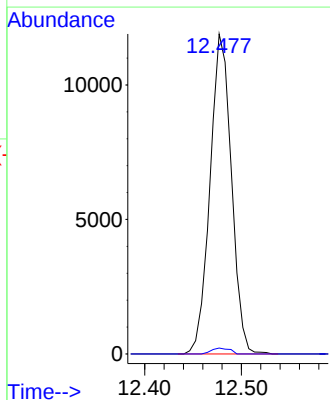
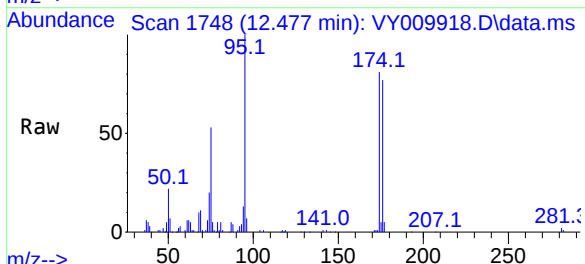
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PSC-124037

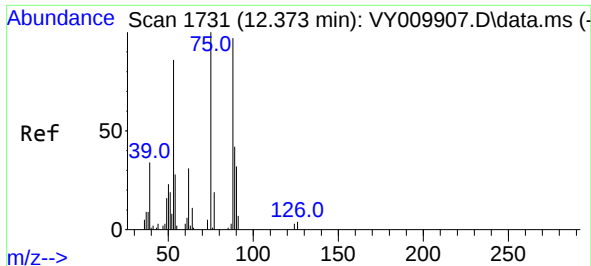
Tgt Ion:152 Resp: 64812  
 Ion Ratio Lower Upper  
 152 100  
 115 57.3 28.6 85.9  
 150 156.0 0.0 349.8



#76  
 1,2,3-Trichloropropane  
 Concen: 25.776 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.152 min  
 Lab File: VY009918.D  
 Acq: 09 Aug 2022 14:34

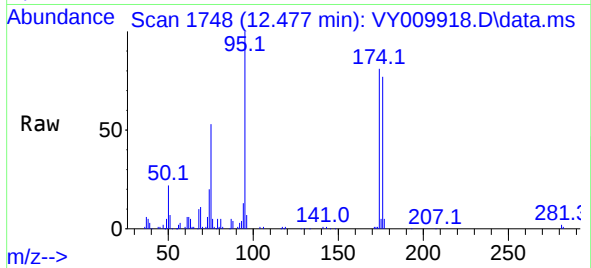
Tgt Ion: 75 Resp: 18278  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 52.114 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY009918.D  
 Acq: 09 Aug 2022 14:34

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PSC-124037



Tgt Ion: 75 Resp: 18278

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 53  | 0.0   | 71.4  | 107.2# |
| 89  | 0.0   | 38.1  | 57.1#  |

