

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061622\  
 Data File : VY009210.D  
 Acq On : 16 Jun 2022 18:26  
 Operator : KP/MD  
 Sample : N3301-02  
 Misc : 6.53g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 17 02:27:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 16 02:54:06 2022  
 Response via : Initial Calibration

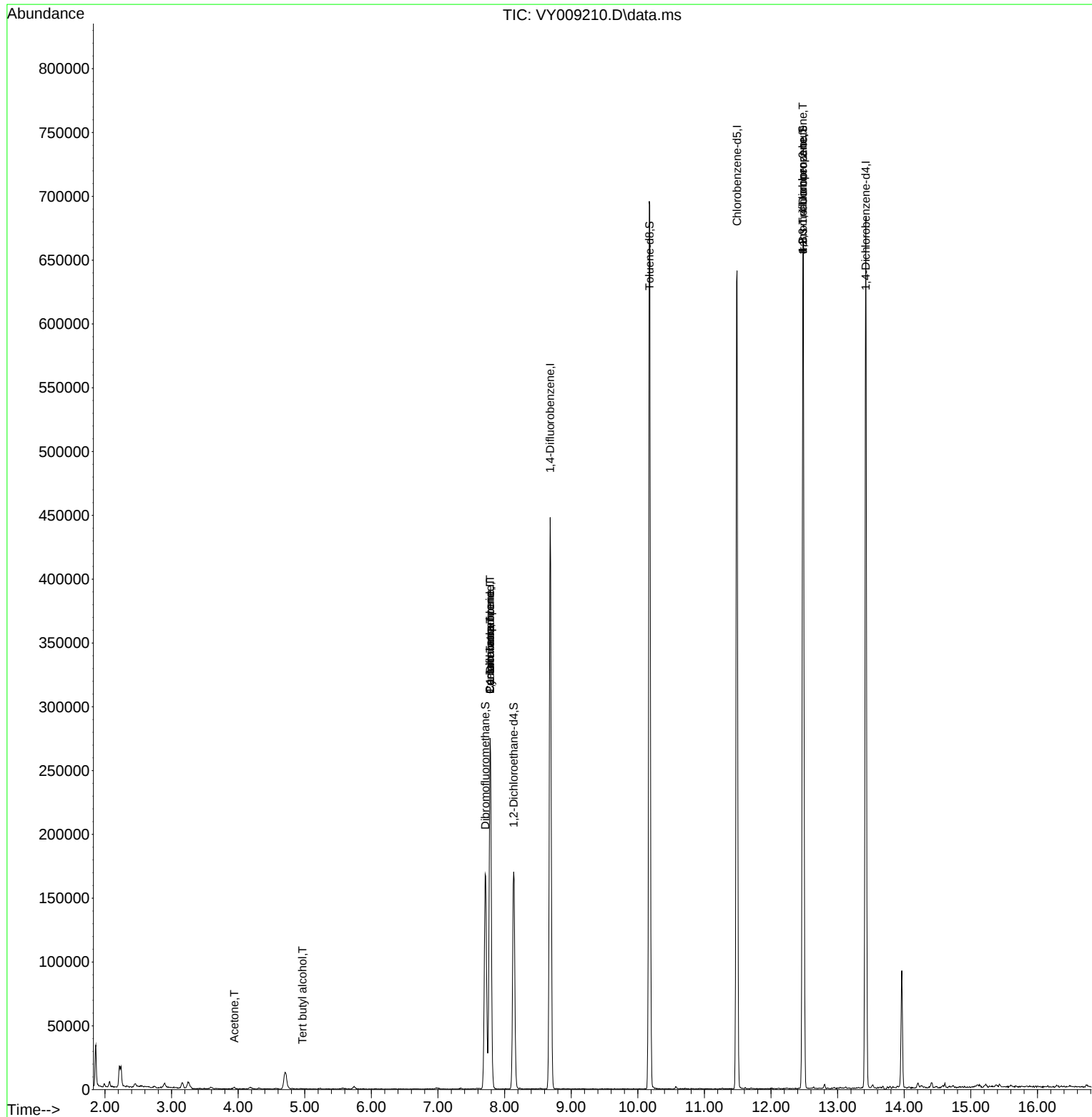
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 221132   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 385251   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 357831   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 181917   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 133444   | 57.769    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | =      | 115.540% |
| 35) Dibromofluoromethane      | 7.710     | 113   | 120613   | 49.935    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | =      | 99.880%  |
| 50) Toluene-d8                | 10.179    | 98    | 461236   | 50.164    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | =      | 100.320% |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 155323   | 47.538    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | =      | 95.080%  |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.966     | 59    | 406      | 1.108     | ug/l # | 77       |
| 13) Acrolein                  | 3.607     | 56    | 19       | Below Cal | #      | 14       |
| 16) Acetone                   | 3.942     | 43    | 2239     | 3.848     | ug/l # | 81       |
| 18) Methyl Acetate            | 4.448     | 43    | 137      | Below Cal | #      | 56       |
| 31) Cyclohexane               | 7.783     | 56    | 4757     | 1.150     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 15980    | 4.301     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 21210    | 5.521     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 78913    | 39.286    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 78913    | 78.293    | ug/l # | 8        |
| -----                         |           |       |          |           |        |          |

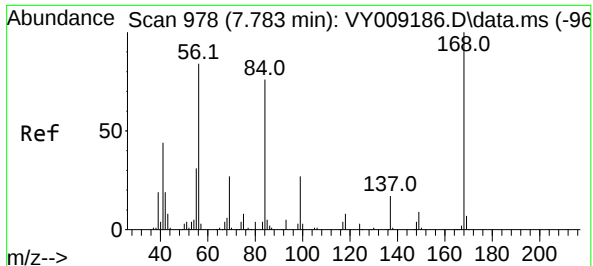
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061622\  
Data File : VY009210.D  
Acq On : 16 Jun 2022 18:26  
Operator : KP/MD  
Sample : N3301-02  
Misc : 6.53g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jun 17 02:27:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 16 02:54:06 2022  
Response via : Initial Calibration

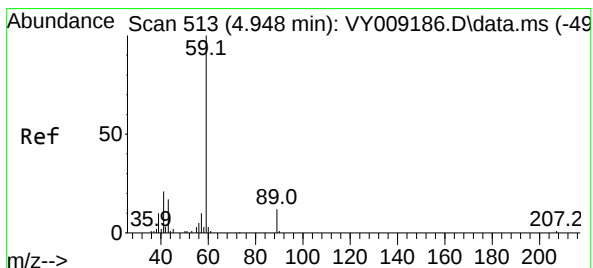
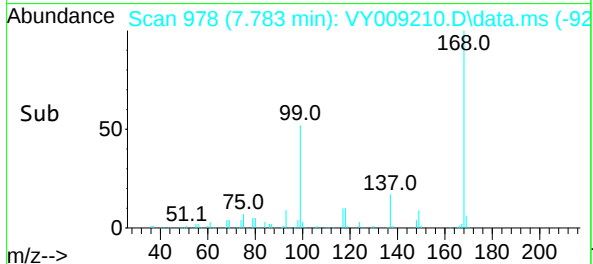
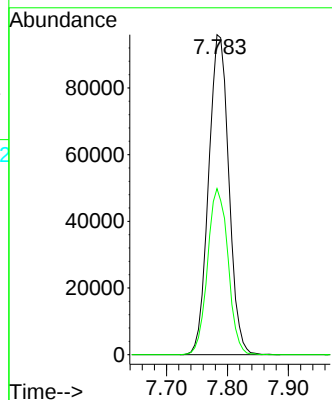
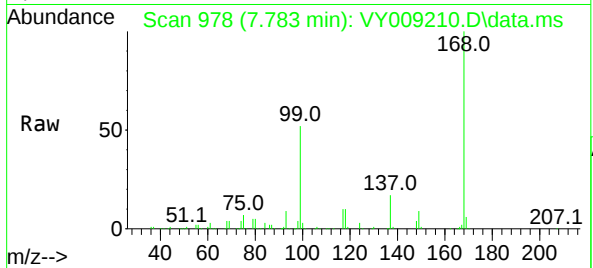




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

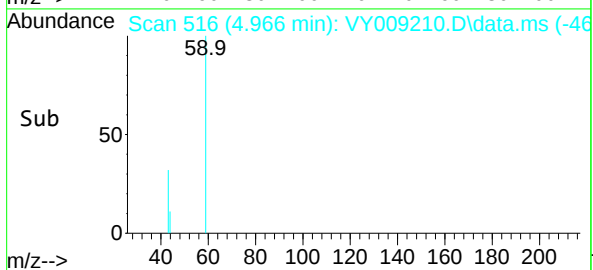
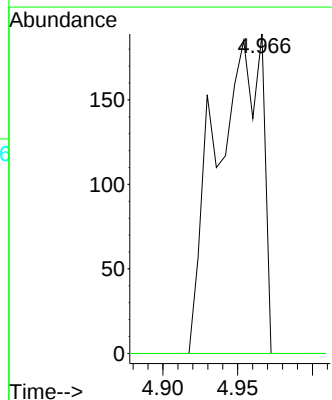
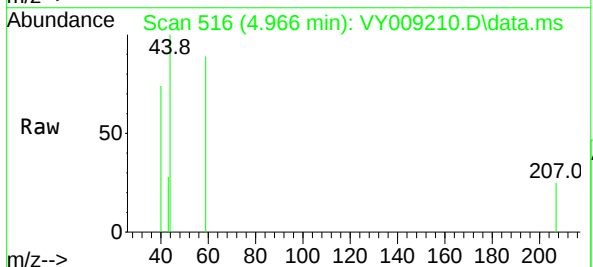
Instrument :  
MSVOA\_Y  
ClientSampleId :

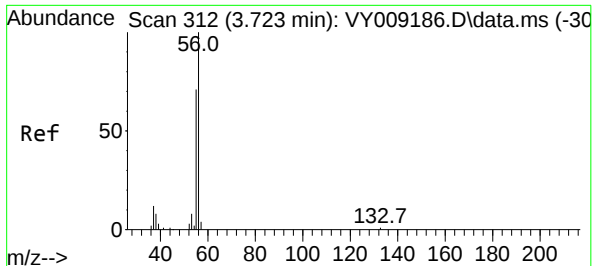
Tgt Ion:168 Resp: 221132  
Ion Ratio Lower Upper  
168 100  
99 51.9 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 1.108 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. 0.018 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

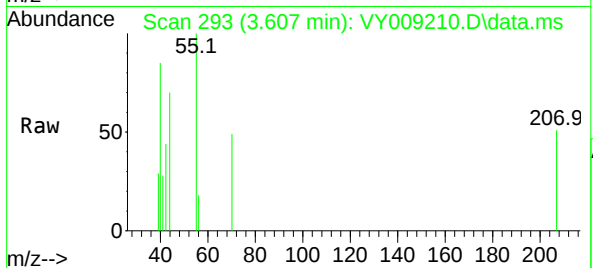
Tgt Ion: 59 Resp: 406  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



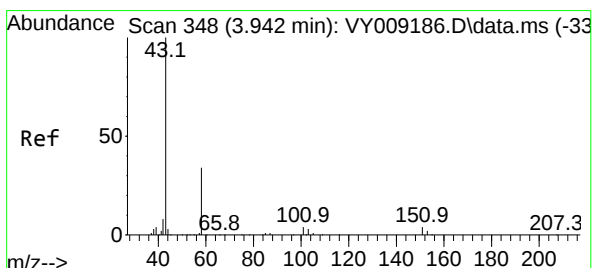
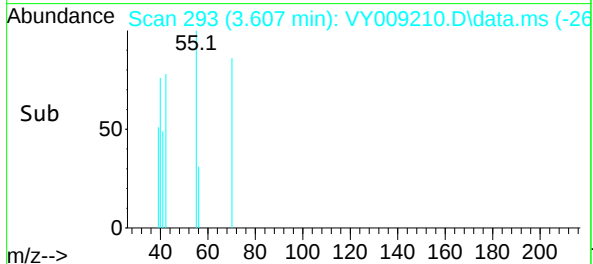
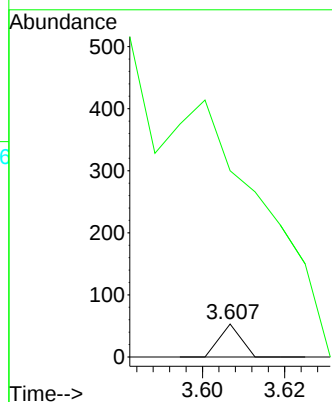


#13  
Acrolein  
Concen: Below Cal  
RT: 3.607 min Scan# 29  
Delta R.T. -0.116 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

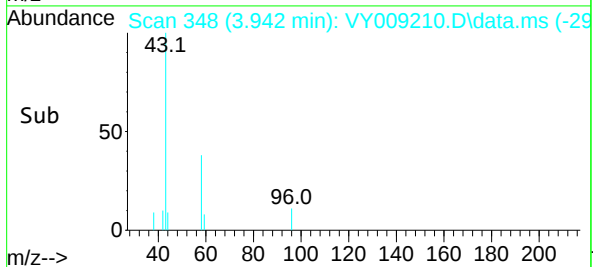
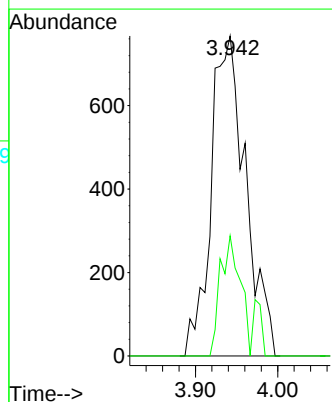
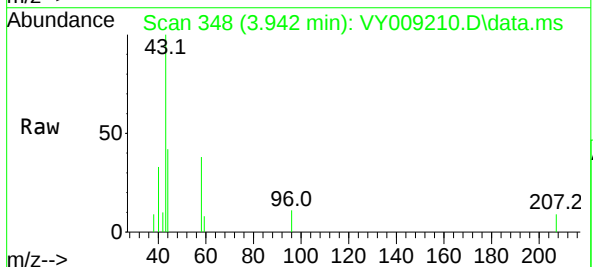


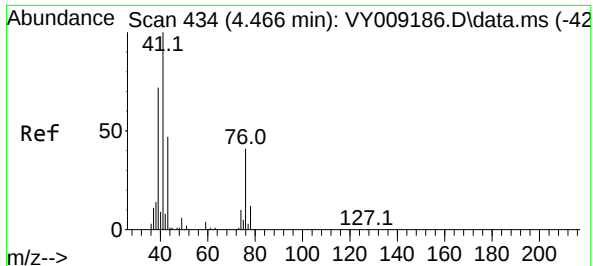
Tgt Ion: 56 Resp: 19  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.6 86.4#



#16  
Acetone  
Concen: 3.848 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

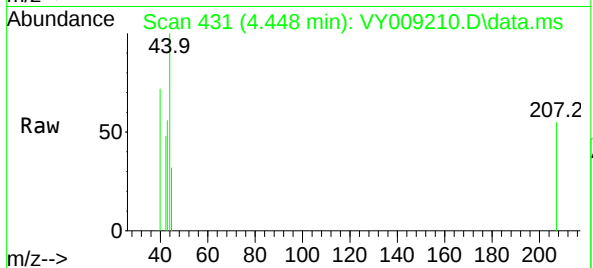
Tgt Ion: 43 Resp: 2239  
Ion Ratio Lower Upper  
43 100  
58 37.5 22.0 33.0#



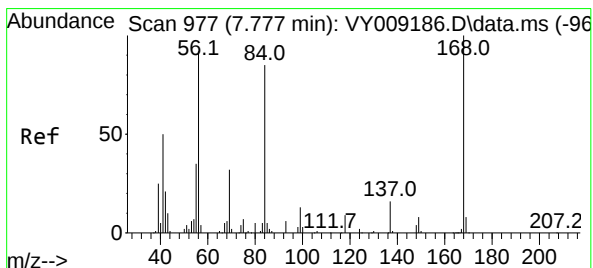
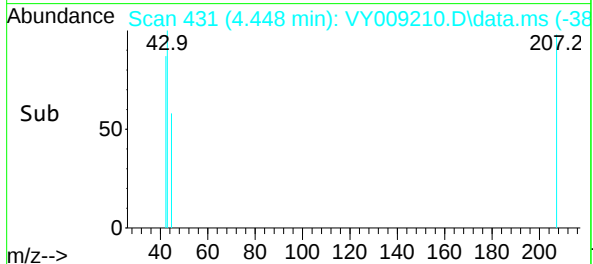
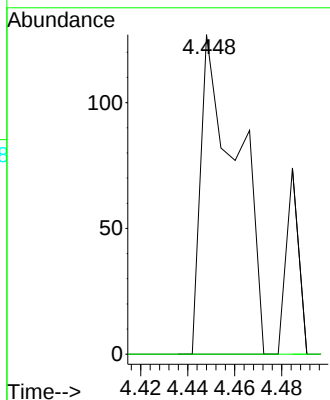


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.448 min Scan# 41  
Delta R.T. -0.018 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

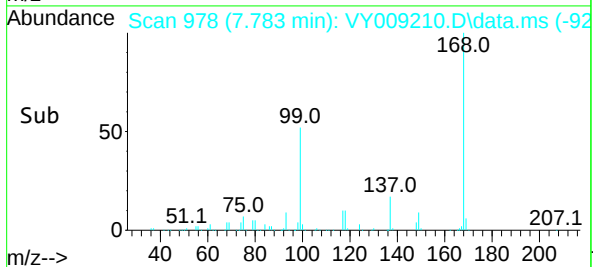
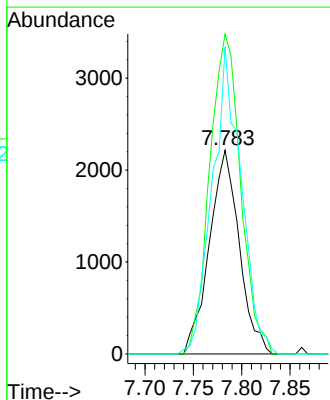
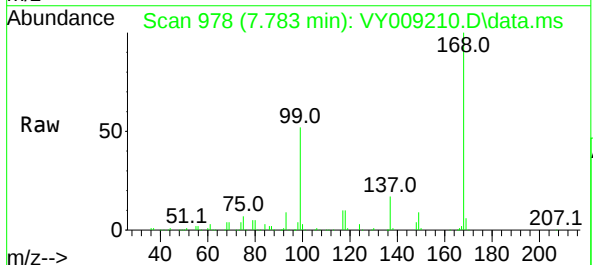


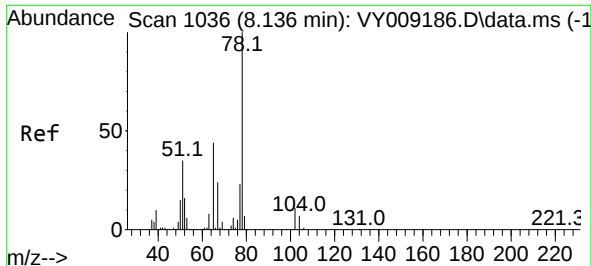
Tgt Ion: 43 Resp: 137  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#31  
Cyclohexane  
Concen: 1.150 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. 0.006 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

Tgt Ion: 56 Resp: 4757  
Ion Ratio Lower Upper  
56 100  
69 157.0 26.7 40.1#  
84 150.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.769 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY009210.D

Acq: 16 Jun 2022 18:26

Instrument :

MSVOA\_Y

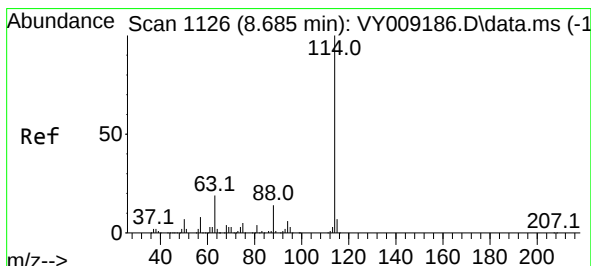
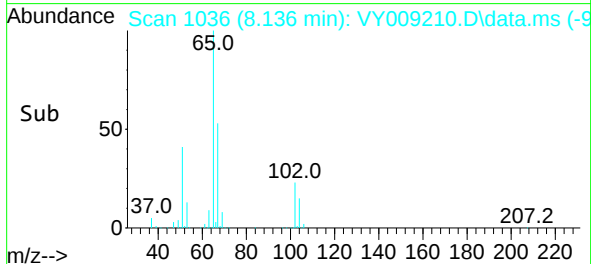
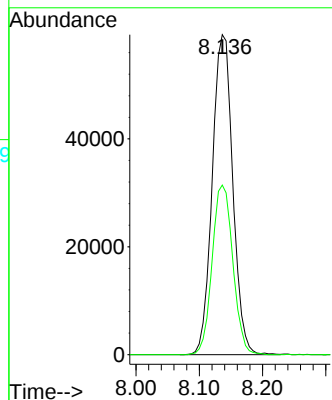
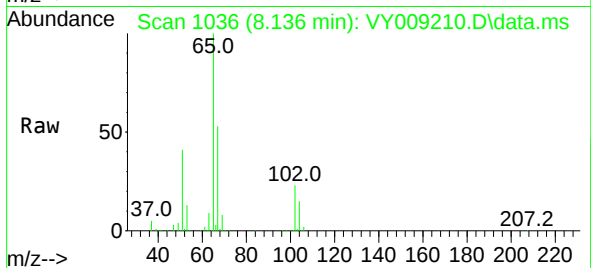
ClientSampleId :

Tgt Ion: 65 Resp: 133444

Ion Ratio Lower Upper

65 100

67 53.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009210.D

Acq: 16 Jun 2022 18:26

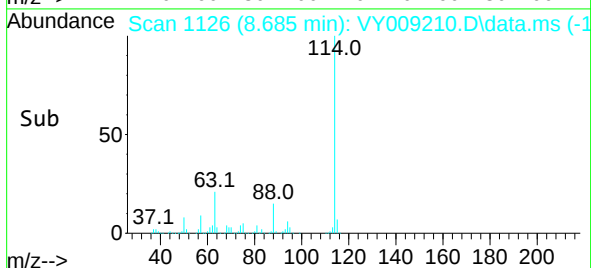
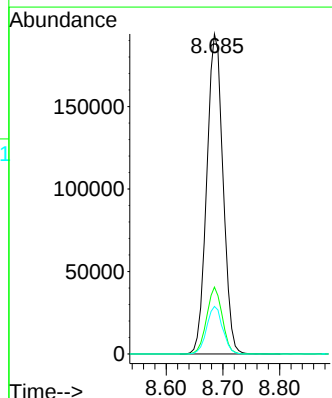
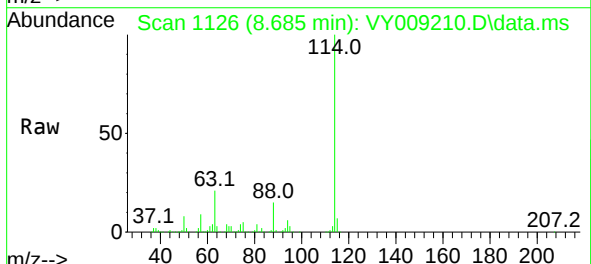
Tgt Ion: 114 Resp: 385251

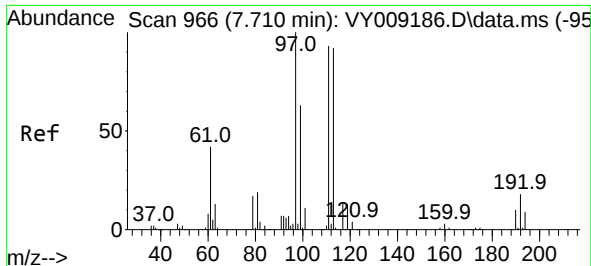
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.935 ug/l

RT: 7.710 min Scan# 91

Delta R.T. -0.000 min

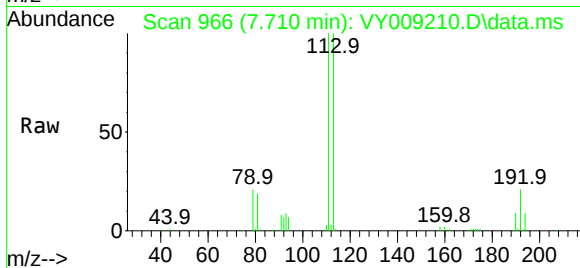
Lab File: VY009210.D

Acq: 16 Jun 2022 18:26

Instrument :

MSVOA\_Y

ClientSampleId :



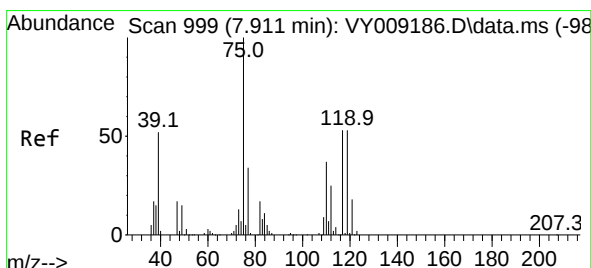
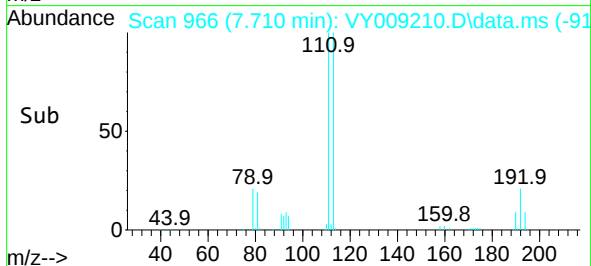
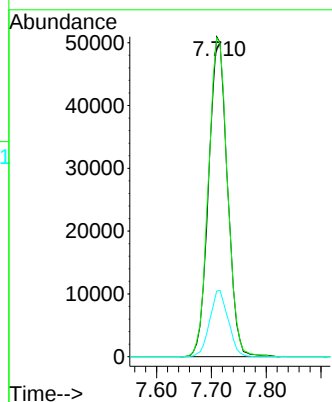
Tgt Ion:113 Resp: 120613

Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 20.4 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.301 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY009210.D

Acq: 16 Jun 2022 18:26

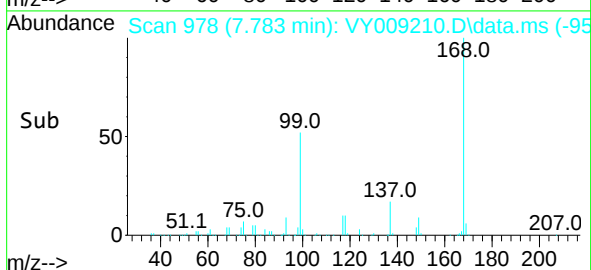
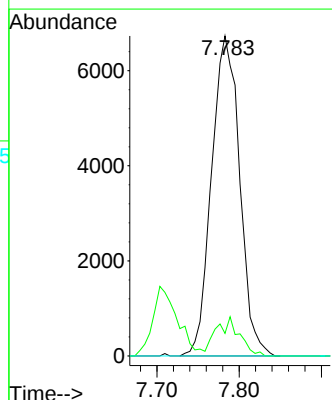
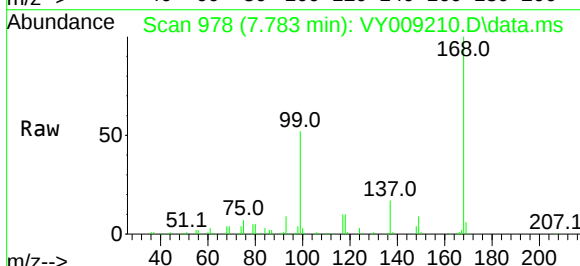
Tgt Ion: 75 Resp: 15980

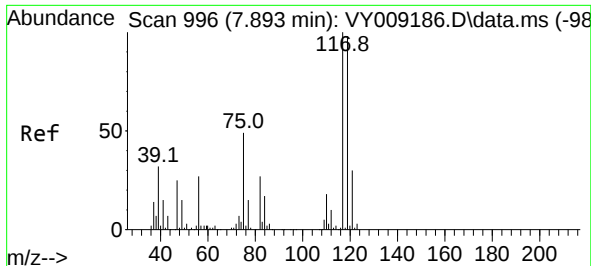
Ion Ratio Lower Upper

75 100

110 3.8 17.1 51.2#

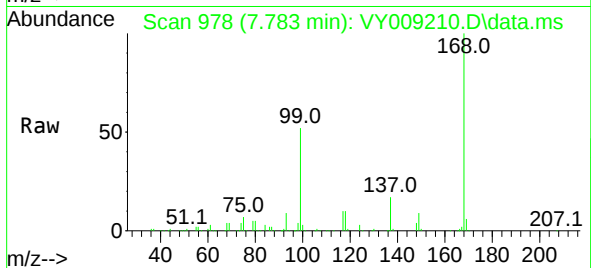
77 0.0 24.4 36.6#



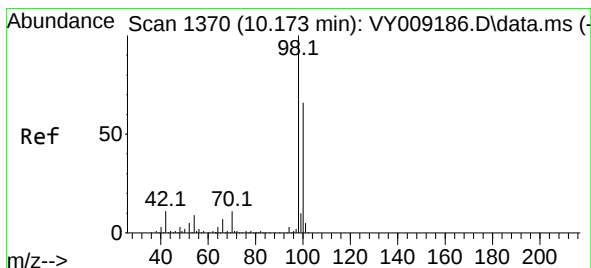
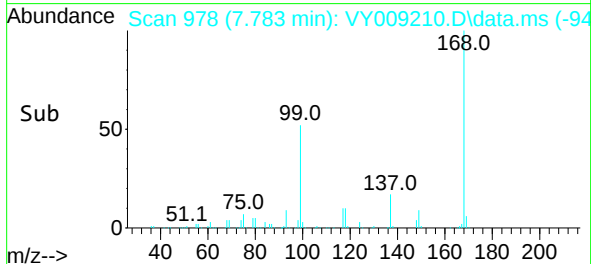
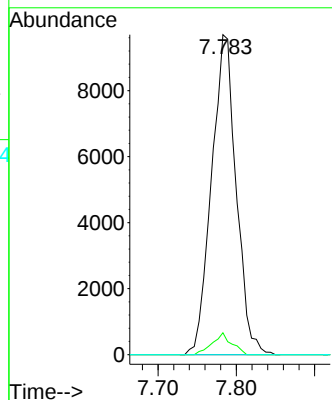


#38  
Carbon Tetrachloride  
Concen: 5.521 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

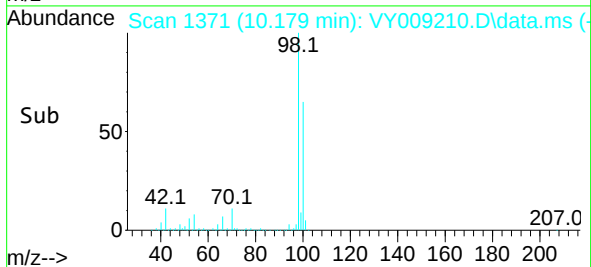
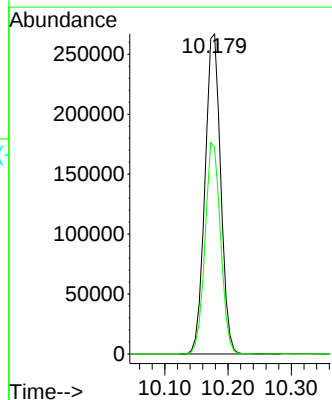
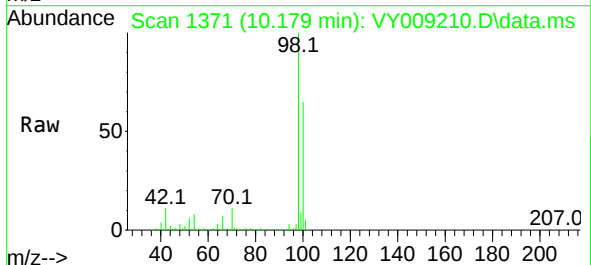


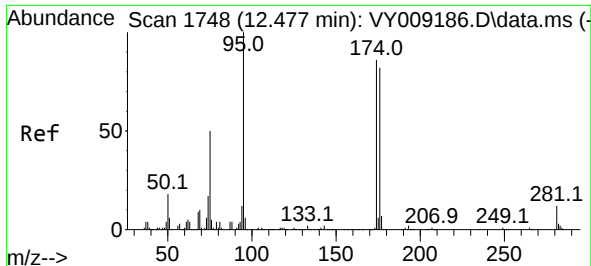
Tgt Ion:117 Resp: 21210  
Ion Ratio Lower Upper  
117 100  
119 6.8 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 50.164 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

Tgt Ion: 98 Resp: 461236  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.2 75.2

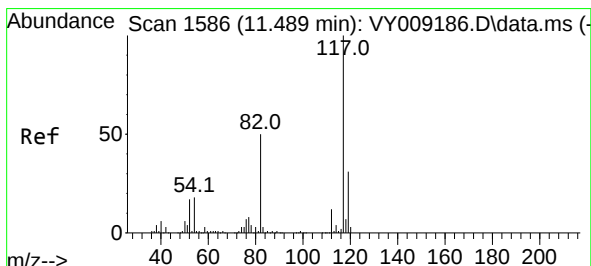
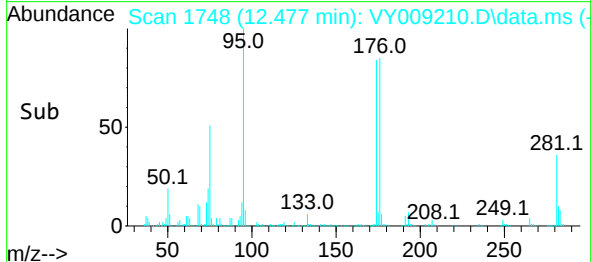
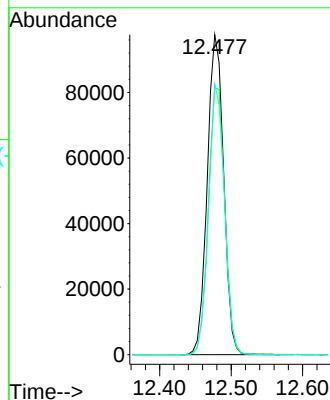
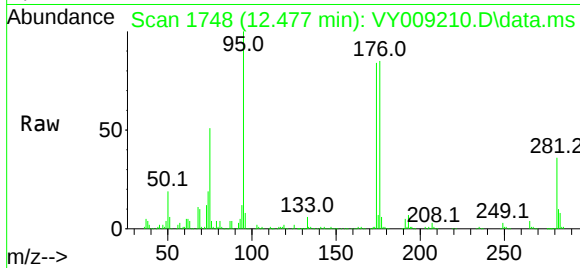




#62  
4-Bromofluorobenzene  
Concen: 47.538 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

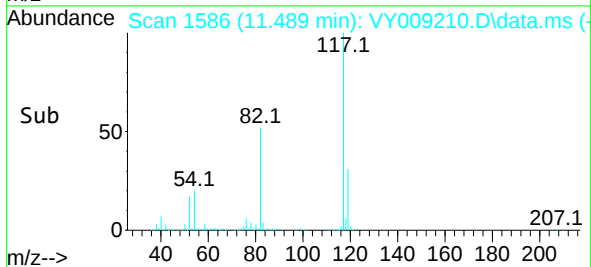
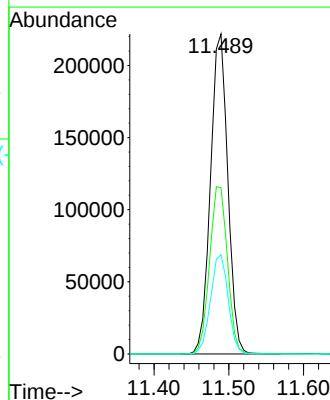
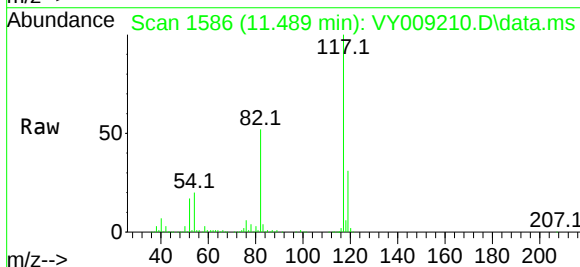
Instrument :  
MSVOA\_Y  
ClientSampleId :

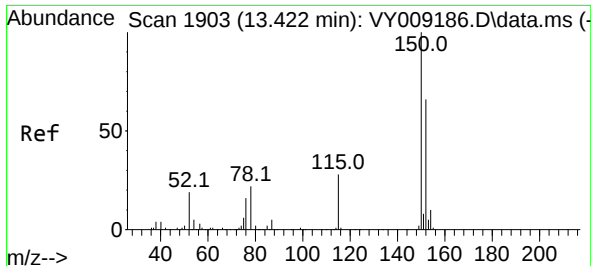
Tgt Ion: 95 Resp: 155323  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 177.0  
176 81.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY009210.D  
Acq: 16 Jun 2022 18:26

Tgt Ion: 117 Resp: 357831  
Ion Ratio Lower Upper  
117 100  
82 52.0 43.0 64.4  
119 31.0 25.4 38.0

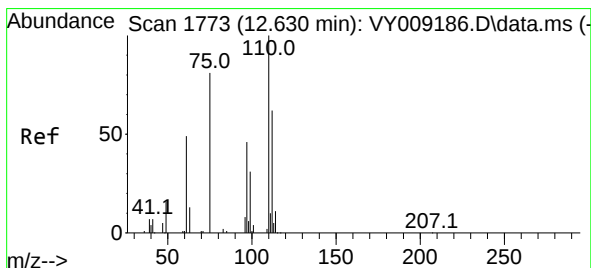
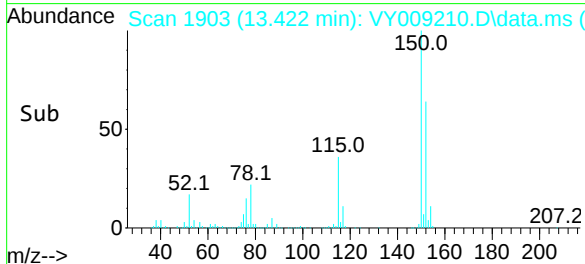
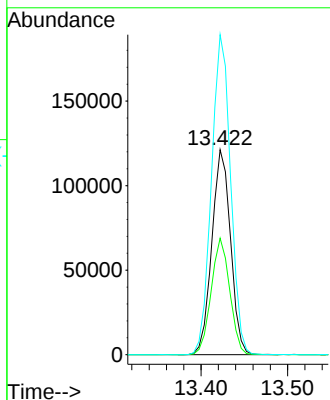
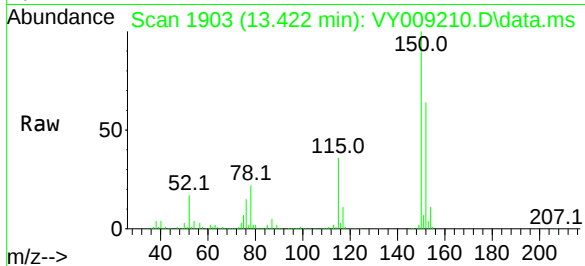




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY009210.D  
 Acq: 16 Jun 2022 18:26

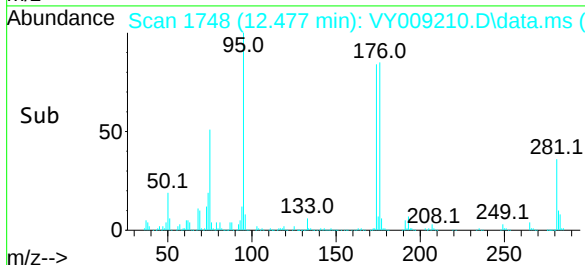
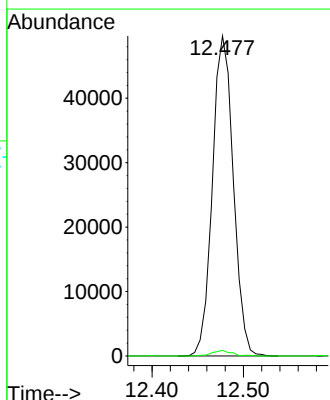
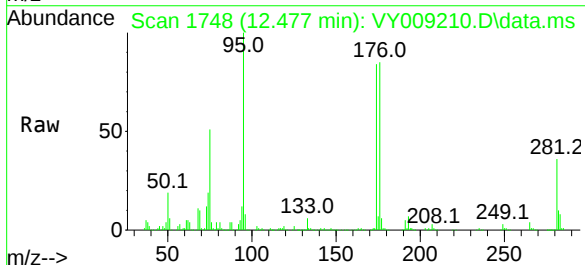
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

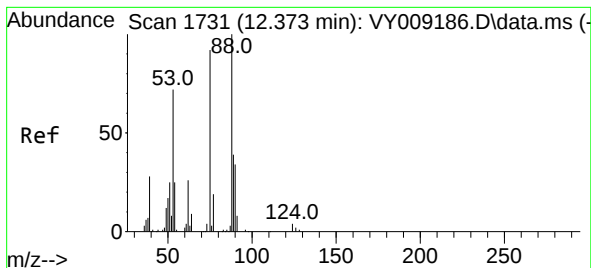
Tgt Ion:152 Resp: 181917  
 Ion Ratio Lower Upper  
 152 100  
 115 56.4 28.2 84.7  
 150 159.6 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 39.286 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.152 min  
 Lab File: VY009210.D  
 Acq: 16 Jun 2022 18:26

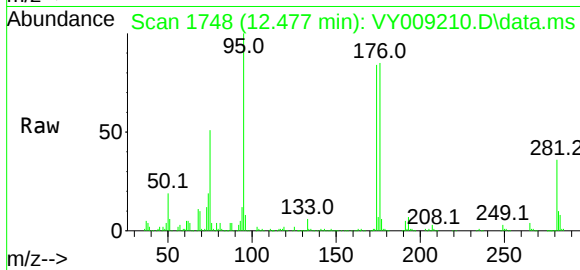
Tgt Ion: 75 Resp: 78913  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 78.293 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY009210.D  
 Acq: 16 Jun 2022 18:26

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 78913  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 1.4 37.0 55.4#

