

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050422\  
 Data File : VY008643.D  
 Acq On : 05 May 2022 04:24  
 Operator : KP/MD  
 Sample : N2665-06  
 Misc : 4.13g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-4,11

Quant Time: May 05 06:52:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 01:57:20 2022  
 Response via : Initial Calibration

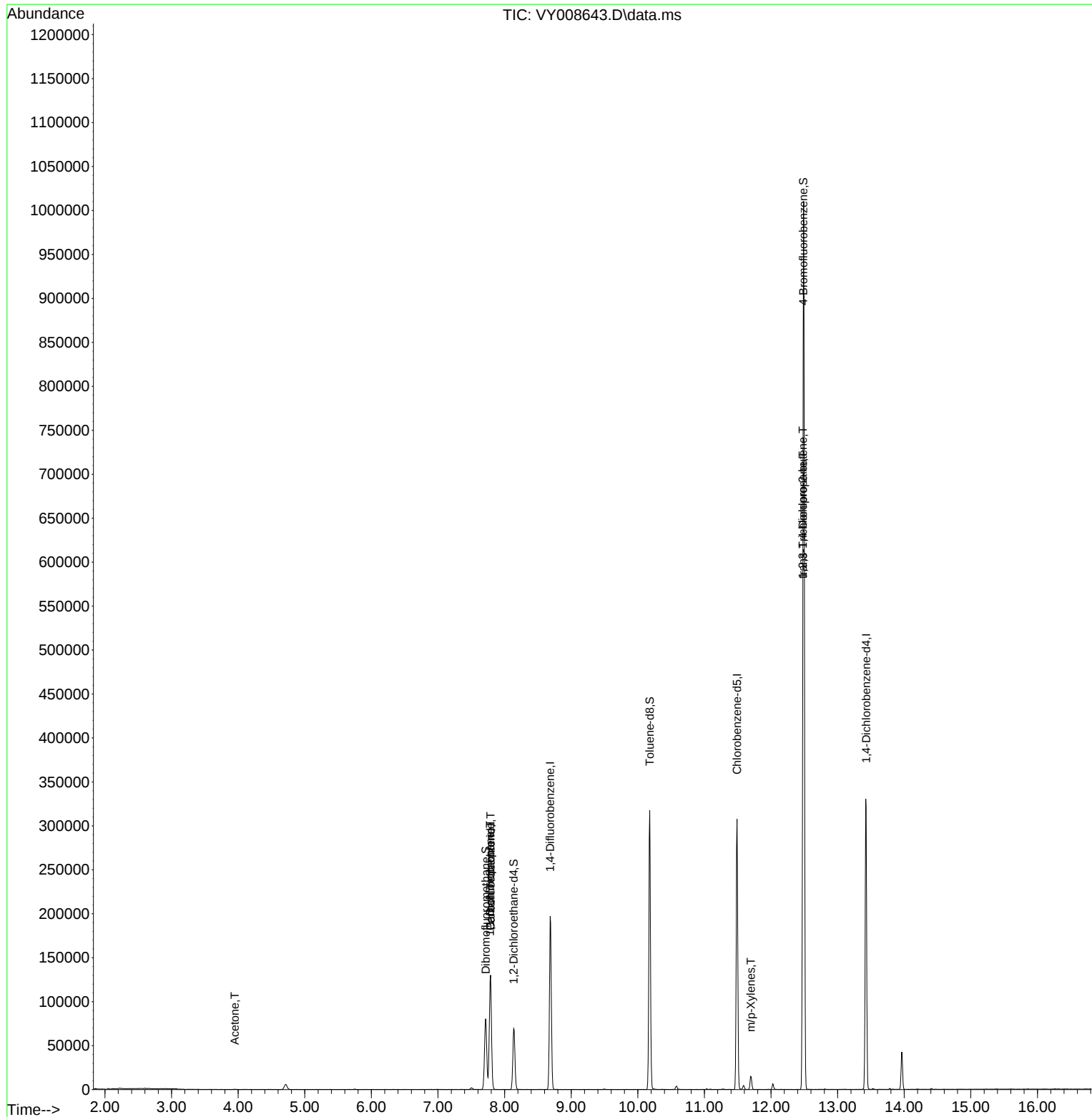
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 111743   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 180986   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 183187   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 92435    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 53544    | 49.301    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 98.600%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 56574    | 47.240    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 94.480%  |
| 50) Toluene-d8                | 10.179 | 98    | 212746   | 50.143    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 100.280% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 79859    | 51.353    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 102.700% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.656  | 94    | 120      | Below Cal | #      | 53       |
| 16) Acetone                   | 3.948  | 43    | 552      | 2.359     | ug/l # | 47       |
| 18) Methyl Acetate            | 4.466  | 43    | 180      | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.716  | 84    | 4938     | Below Cal | #      | 72       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 6643     | 3.567     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 10200    | 4.801     | ug/l # | 16       |
| 68) m/p-Xylenes               | 11.697 | 106   | 5165     | 1.703     | ug/l   | 89       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 43537    | 44.123    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 43537    | 89.455    | ug/l # | 9        |
| -----                         |        |       |          |           |        |          |

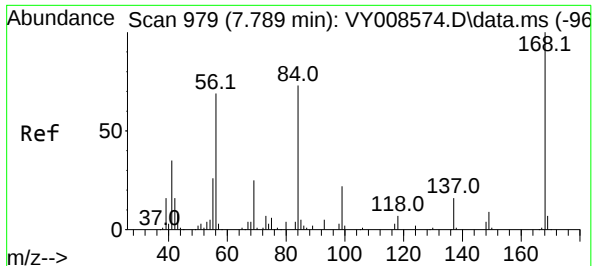
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050422\  
Data File : VY008643.D  
Acq On : 05 May 2022 04:24  
Operator : KP/MD  
Sample : N2665-06  
Misc : 4.13g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4,11

Quant Time: May 05 06:52:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 01:57:20 2022  
Response via : Initial Calibration

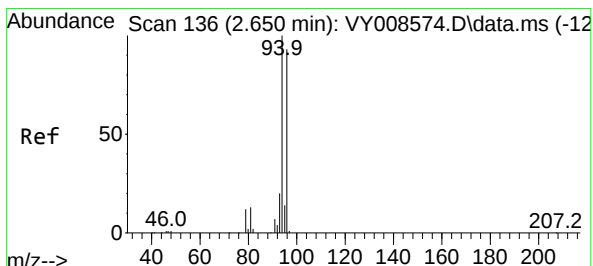
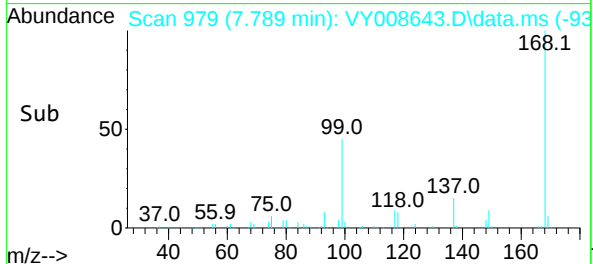
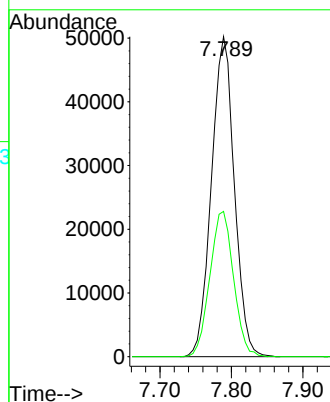
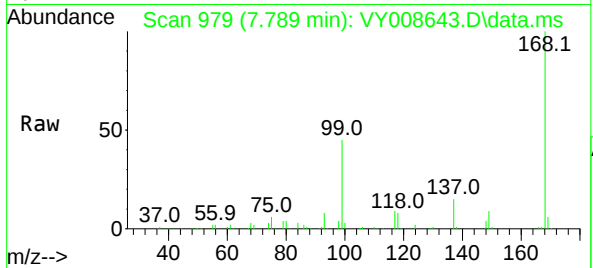




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

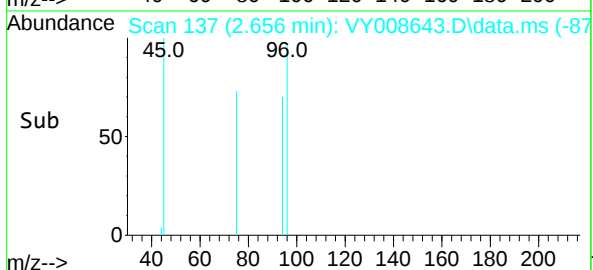
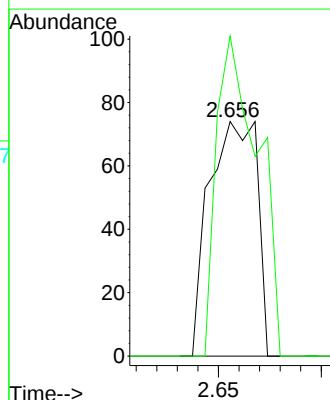
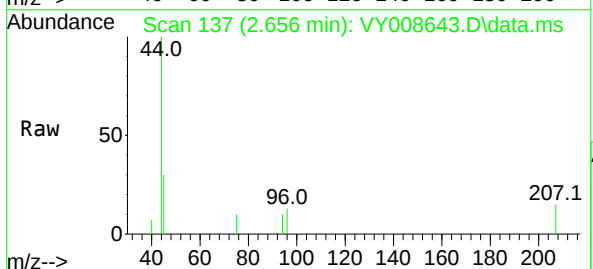
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4,11

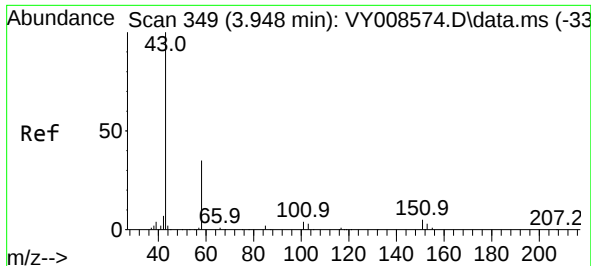
Tgt Ion:168 Resp: 111743  
Ion Ratio Lower Upper  
168 100  
99 45.4 46.9 70.3#



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.656 min Scan# 137  
Delta R.T. 0.006 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

Tgt Ion: 94 Resp: 120  
Ion Ratio Lower Upper  
94 100  
96 136.5 73.5 110.3#

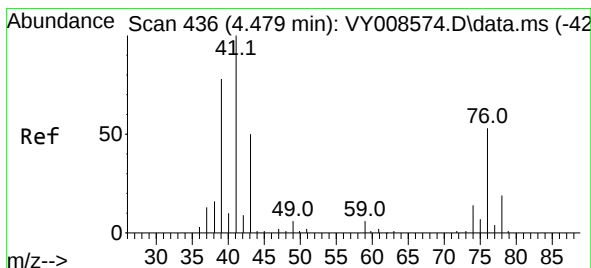
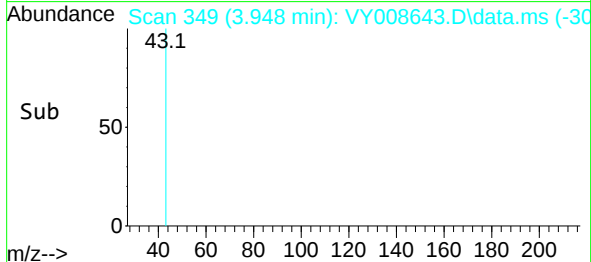
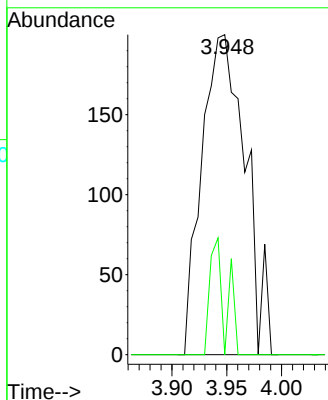
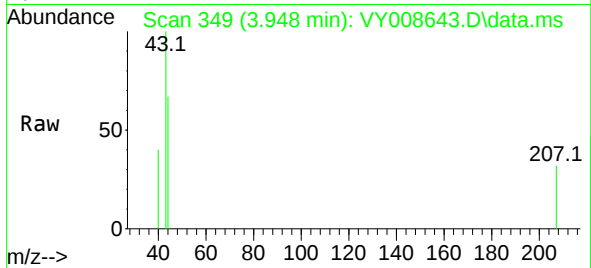




#16  
Acetone  
Concen: 2.359 ug/l  
RT: 3.948 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

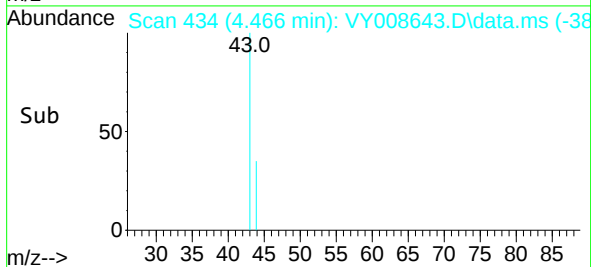
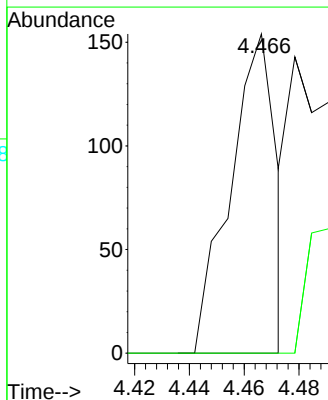
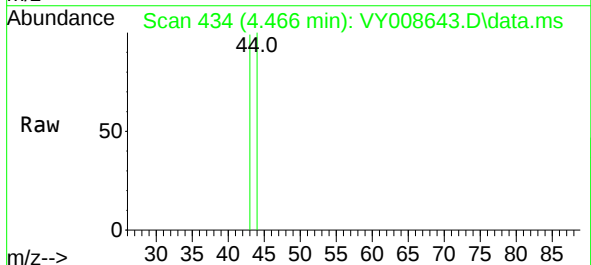
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4,11

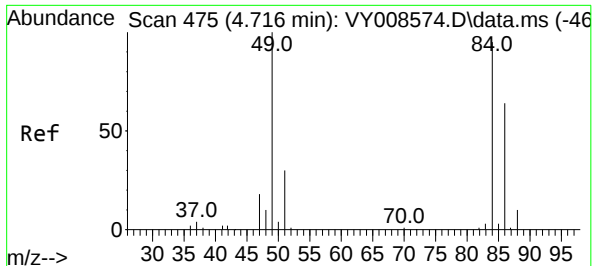
Tgt Ion: 43 Resp: 552  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.466 min Scan# 434  
Delta R.T. -0.013 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

Tgt Ion: 43 Resp: 180  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

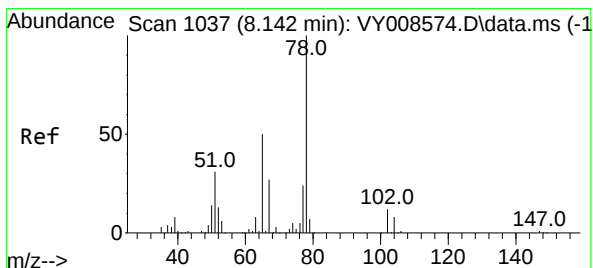
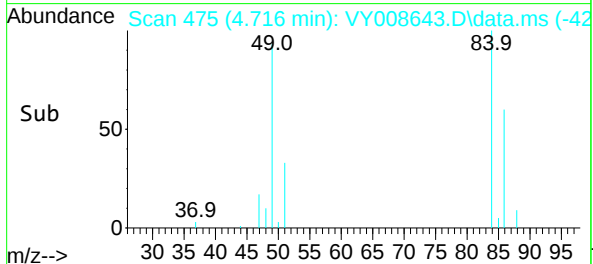
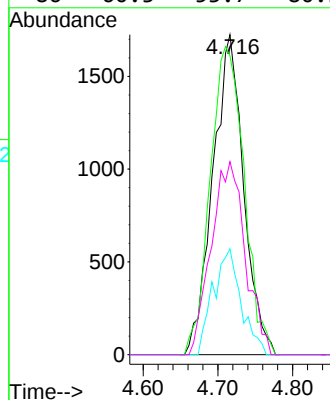
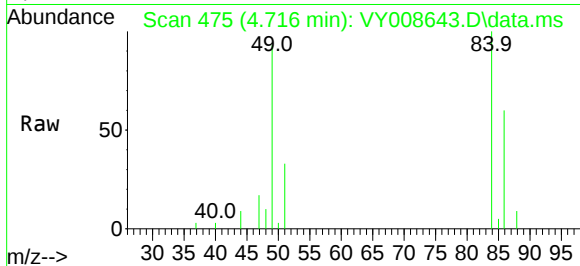




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

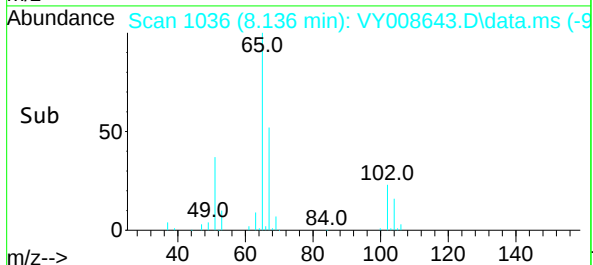
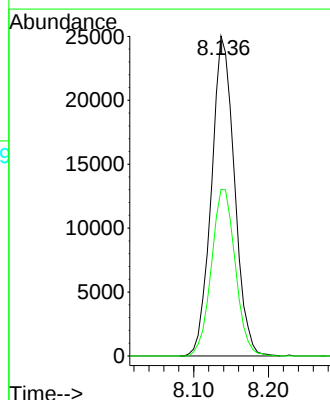
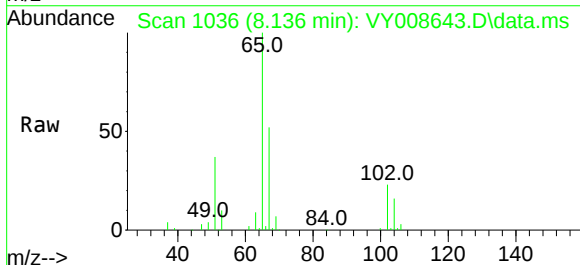
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4,11

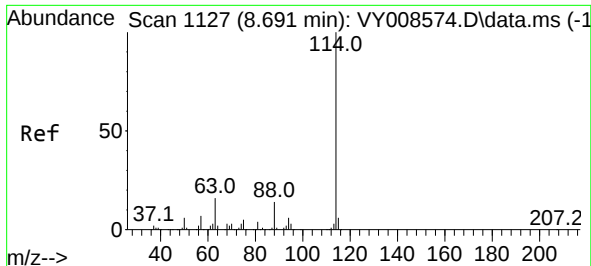
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 4938   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 93.4  | 114.4 | 171.6# |
| 51       | 33.1  | 35.3  | 52.9#  |
| 86       | 60.3  | 53.7  | 80.5   |



#33  
1,2-Dichloroethane-d4  
Concen: 49.301 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 53544 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 54.0  | 0.0   | 99.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008643.D

Acq: 05 May 2022 04:24

Instrument :

MSVOA\_Y

ClientSampleId :

SB-4,11

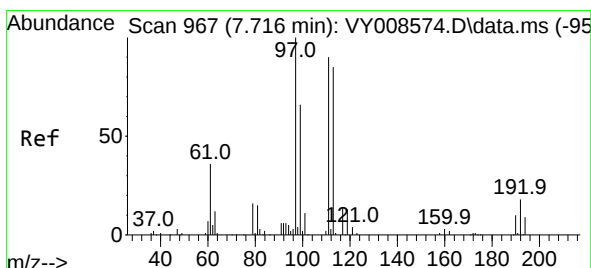
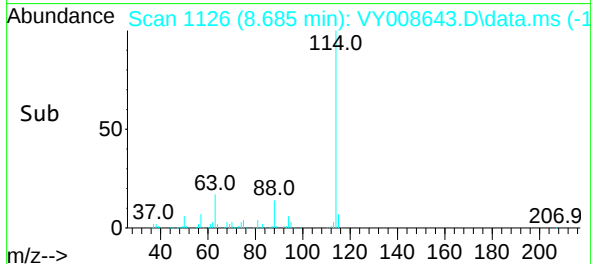
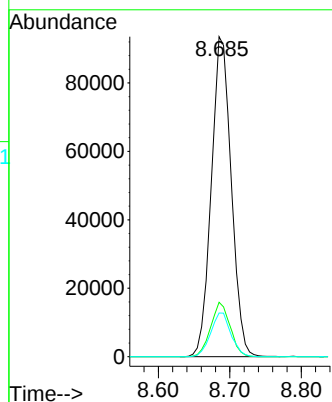
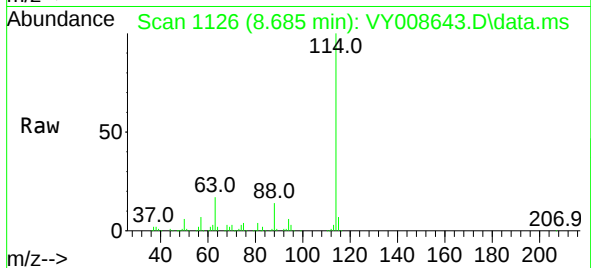
Tgt Ion:114 Resp: 180986

Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 13.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.240 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008643.D

Acq: 05 May 2022 04:24

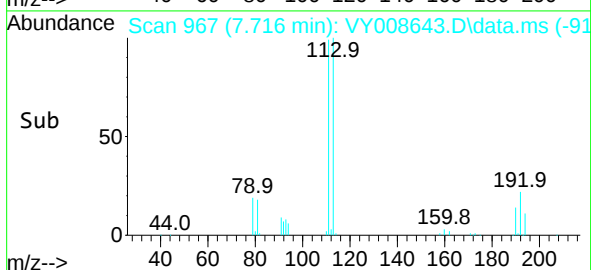
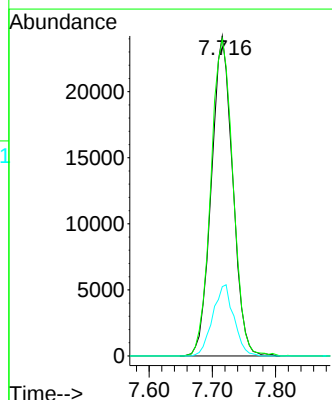
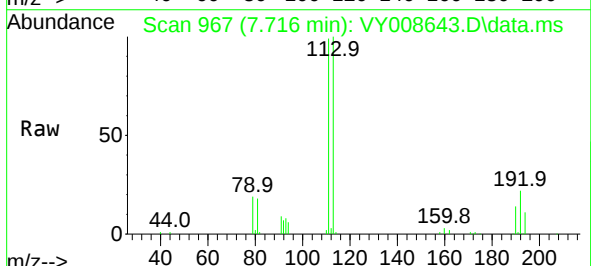
Tgt Ion:113 Resp: 56574

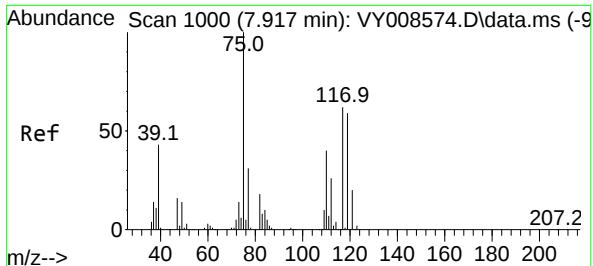
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 22.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.567 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008643.D

Acq: 05 May 2022 04:24

Instrument :

MSVOA\_Y

ClientSampleId :

SB-4,11

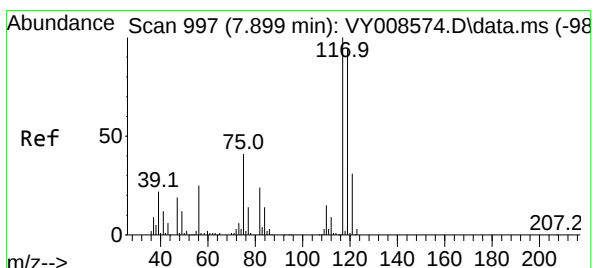
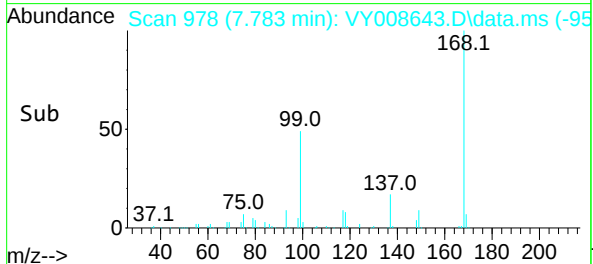
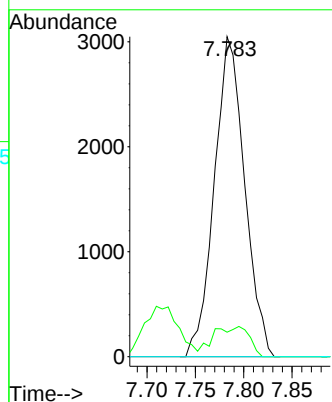
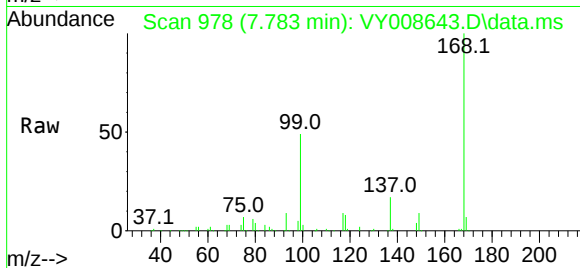
Tgt Ion: 75 Resp: 6643

Ion Ratio Lower Upper

75 100

110 4.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.801 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008643.D

Acq: 05 May 2022 04:24

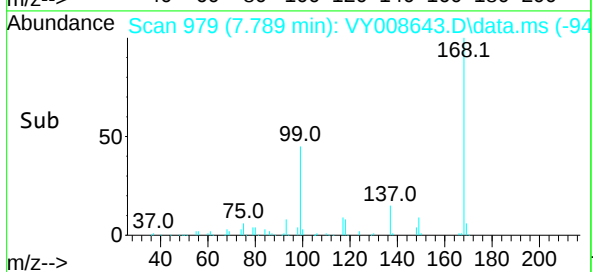
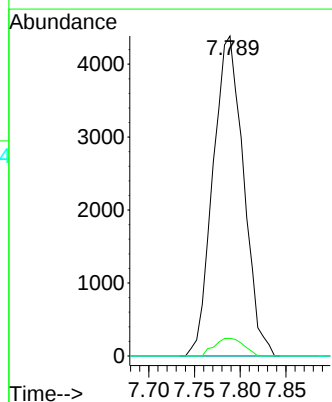
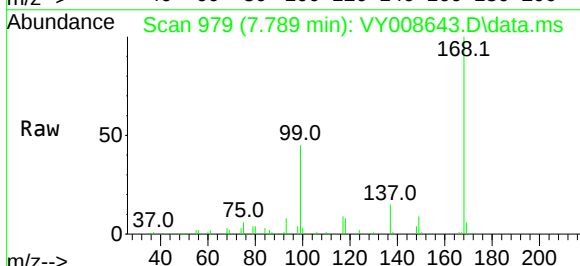
Tgt Ion: 117 Resp: 10200

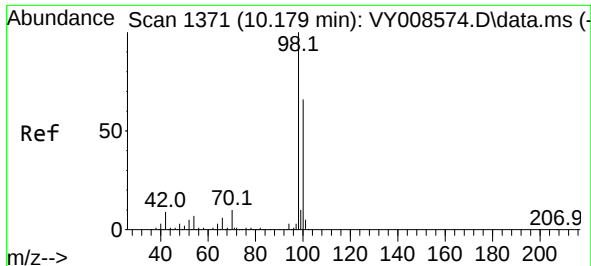
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

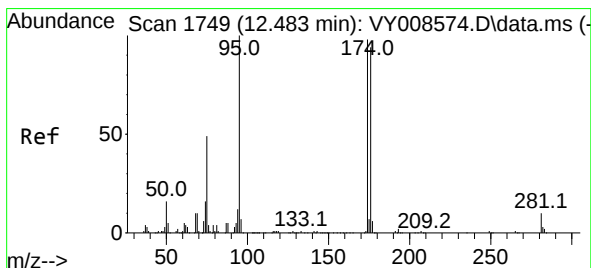
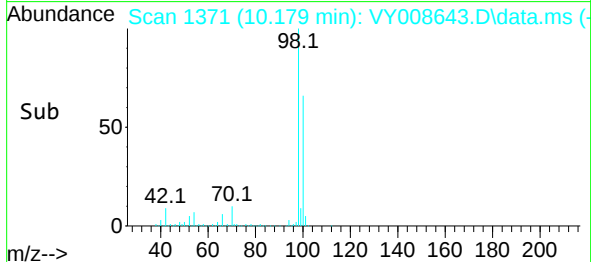
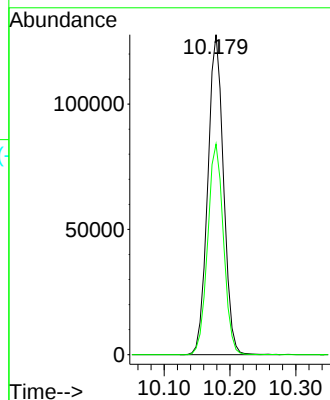
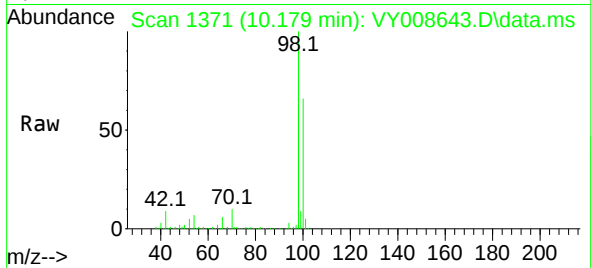




#50  
Toluene-d8  
Concen: 50.143 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

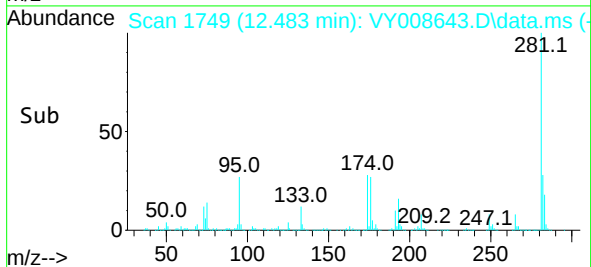
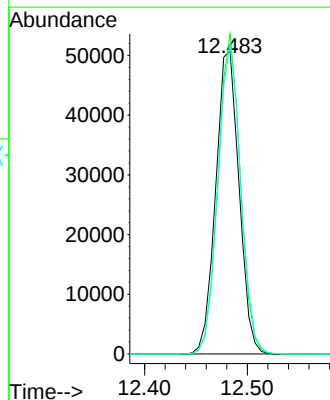
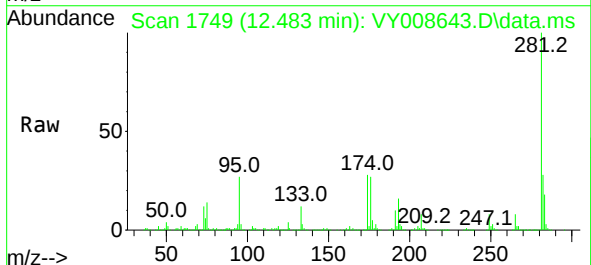
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4,11

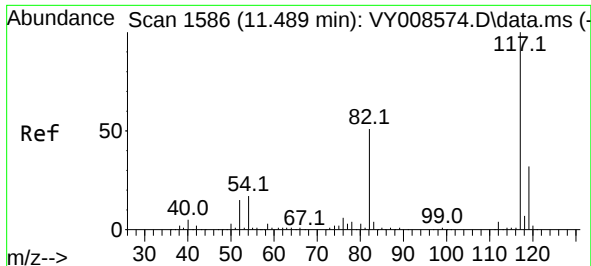
Tgt Ion: 98 Resp: 212746  
Ion Ratio Lower Upper  
98 100  
100 66.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 51.353 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

Tgt Ion: 95 Resp: 79859  
Ion Ratio Lower Upper  
95 100  
174 101.0 0.0 177.0  
176 99.8 0.0 175.8

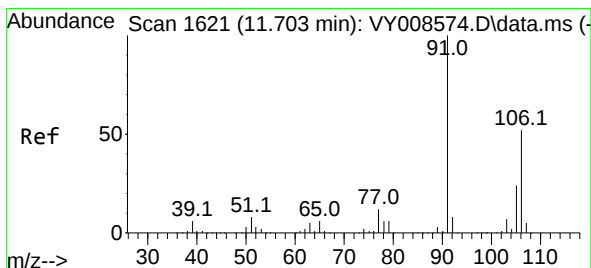
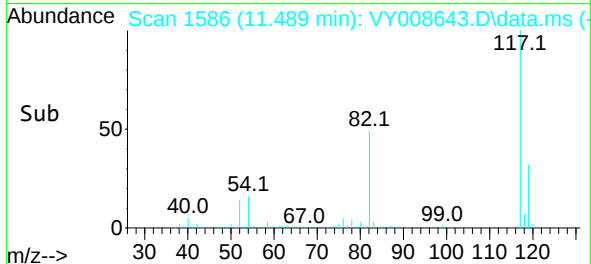
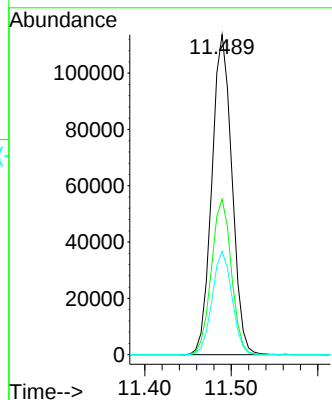
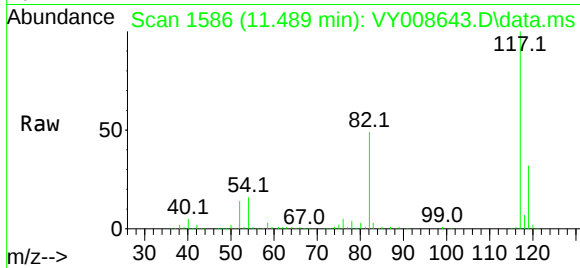




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

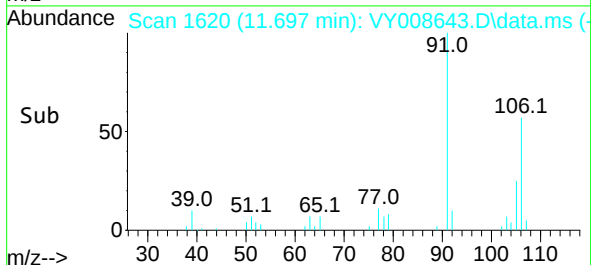
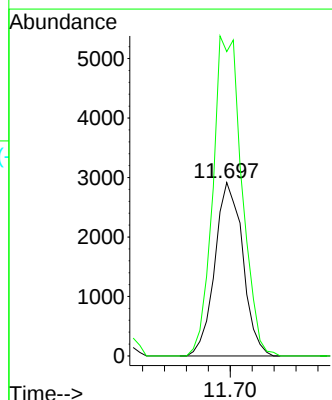
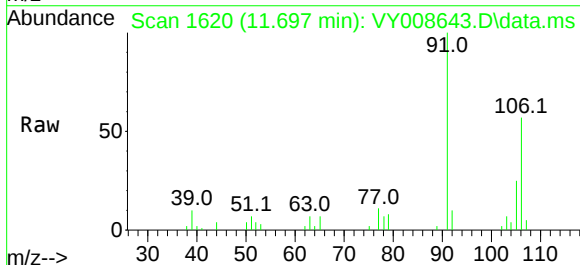
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4,11

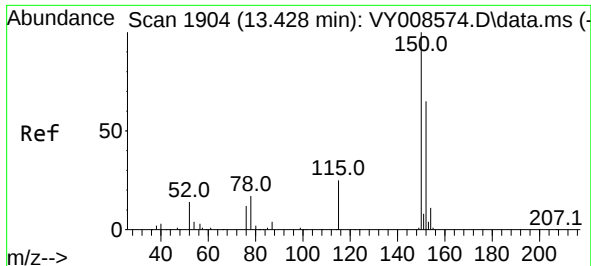
Tgt Ion:117 Resp: 183187  
Ion Ratio Lower Upper  
117 100  
82 48.6 43.0 64.4  
119 32.3 25.4 38.0



#68  
m/p-Xylenes  
Concen: 1.703 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

Tgt Ion:106 Resp: 5165  
Ion Ratio Lower Upper  
106 100  
91 191.4 166.6 249.8

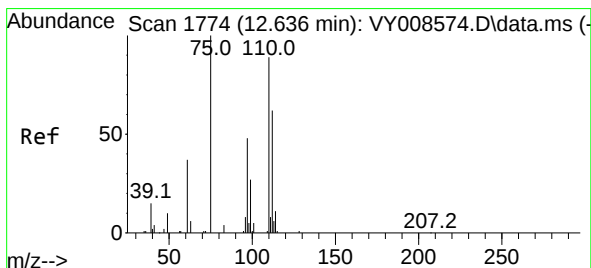
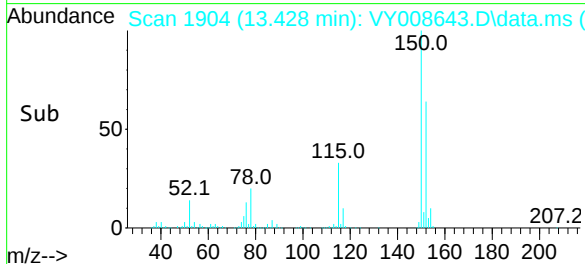
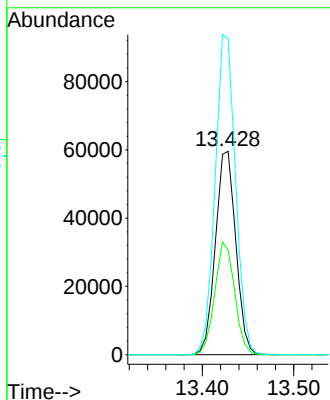
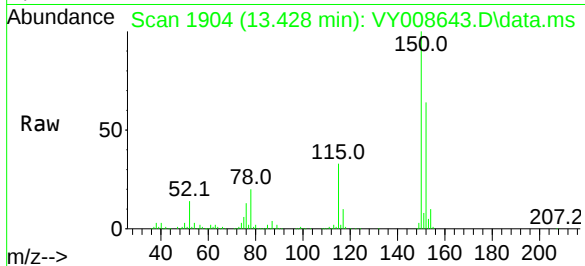




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY008643.D  
 Acq: 05 May 2022 04:24

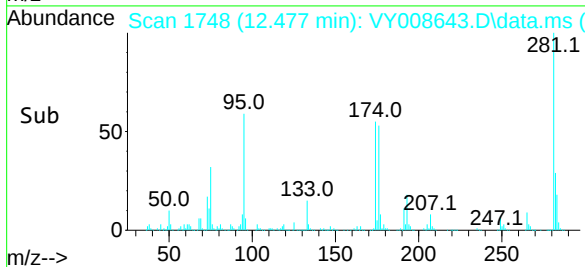
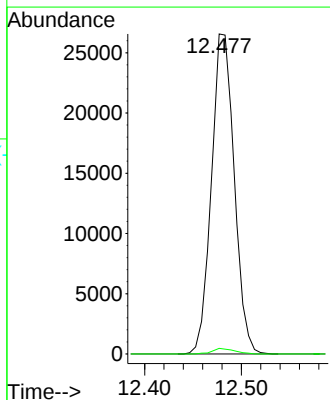
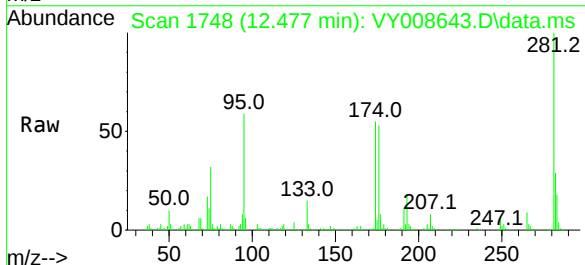
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-4,11

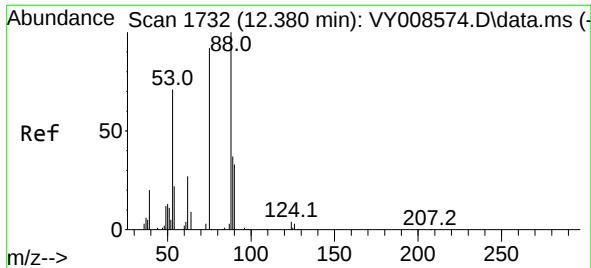
Tgt Ion:152 Resp: 92435  
 Ion Ratio Lower Upper  
 152 100  
 115 53.9 28.2 84.7  
 150 157.4 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 44.123 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.159 min  
 Lab File: VY008643.D  
 Acq: 05 May 2022 04:24

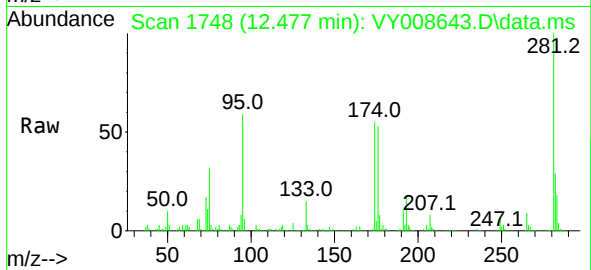
Tgt Ion: 75 Resp: 43537  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 89.455 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY008643.D  
Acq: 05 May 2022 04:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4,11



| Tgt Ion: | 75    | Resp: | 43537  |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 85.3  | 127.9# |
| 89       | 4.2   | 37.0  | 55.4#  |

