

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
 Data File : VY007381.D  
 Acq On : 03 Feb 2022 17:15  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 04 08:41:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

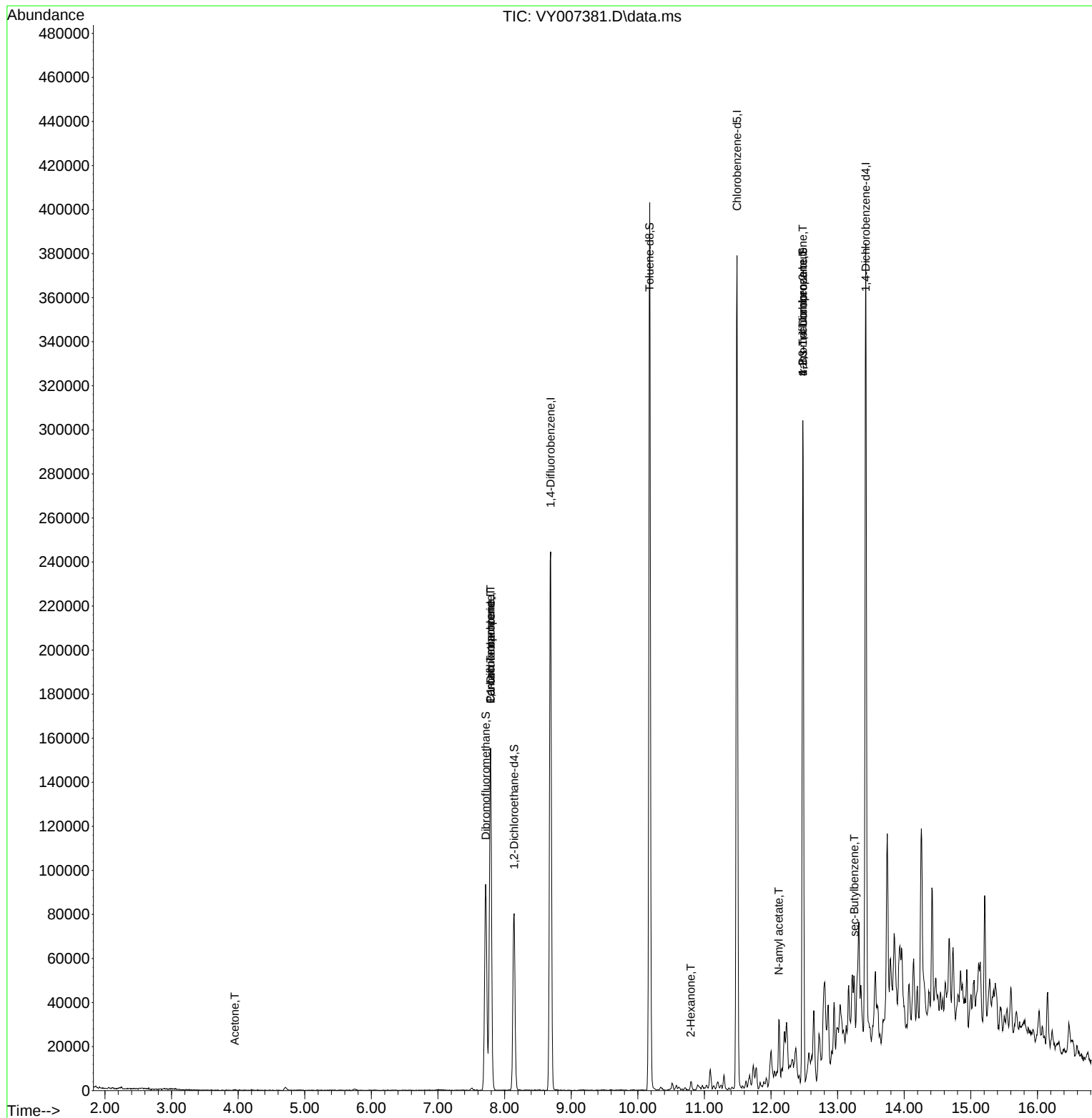
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 114589   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 212315   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 199465   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 87373    | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 64590    | 49.004    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 98.000%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 64991    | 47.670    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 95.340%  |
| 50) Toluene-d8                | 10.179 | 98    | 256800   | 50.983    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 101.960% |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 90198    | 52.686    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 105.380% |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
| 3) Chloromethane              | 2.107  | 50    | 578      | Below Cal | Qvalue | 100      |
| 11) Tert butyl alcohol        | 4.942  | 59    | 68       | Below Cal | #      | 77       |
| 16) Acetone                   | 3.948  | 43    | 439      | 1.026     | ug/l # | 69       |
| 20) Methylene Chloride        | 4.698  | 84    | 1076     | Below Cal | #      | 47       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 9144     | 3.836     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 12804    | 5.113     | ug/l # | 15       |
| 59) 2-Hexanone                | 10.794 | 43    | 1456     | 1.777     | ug/l # | 28       |
| 74) N-amyl acetate            | 12.117 | 43    | 6799     | 3.440     | ug/l # | 71       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 48476    | 46.670    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 48476    | 93.499    | ug/l # | 8        |
| 85) sec-Butylbenzene          | 13.251 | 105   | 8717     | 1.025     | ug/l   | 85       |
| -----                         |        |       |          |           |        |          |

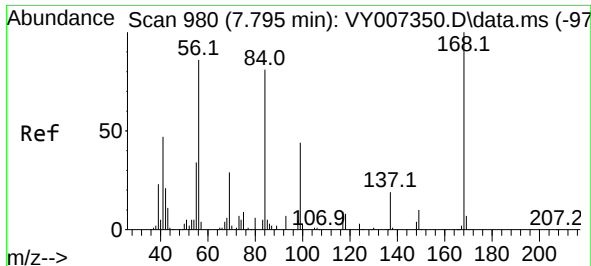
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

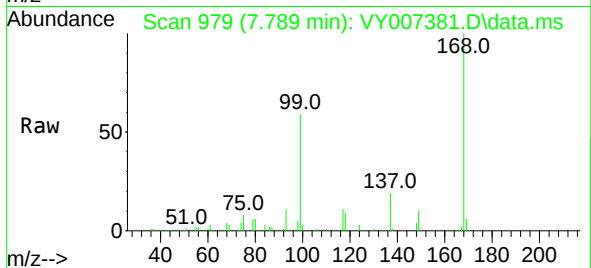
Quant Time: Feb 04 08:41:24 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 03 04:36:48 2022  
Response via : Initial Calibration



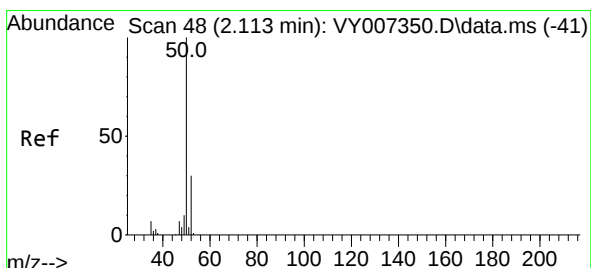
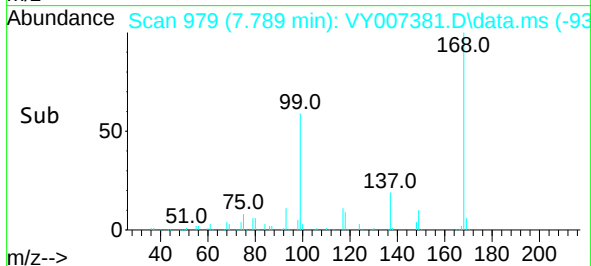
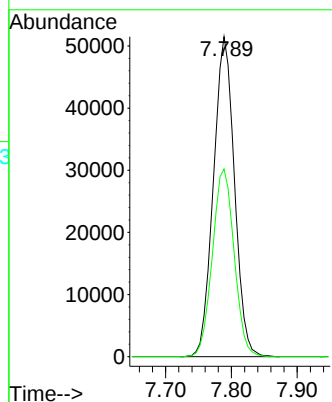


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

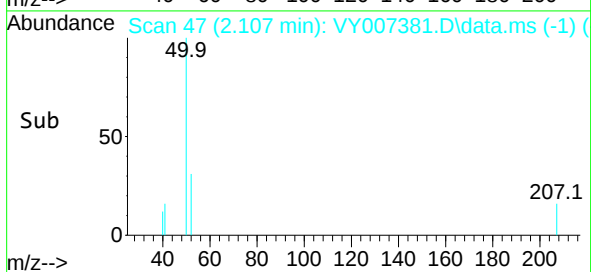
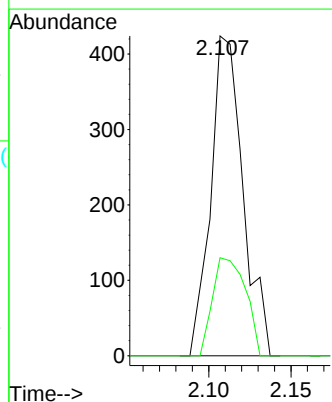
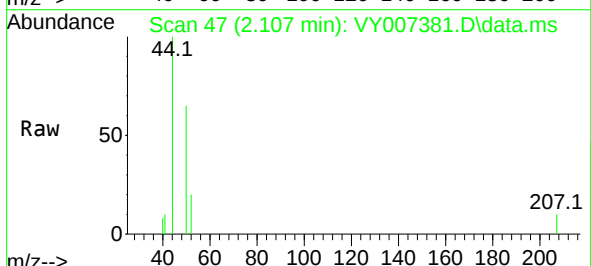


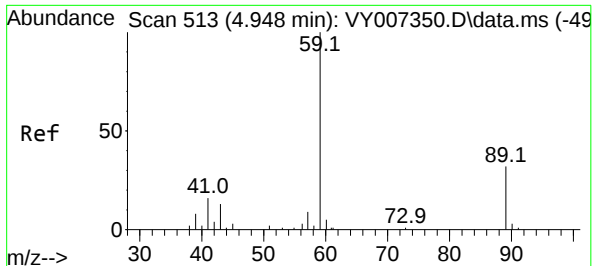
Tgt Ion:168 Resp: 114589  
Ion Ratio Lower Upper  
168 100  
99 58.7 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.107 min Scan# 47  
Delta R.T. -0.006 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Tgt Ion: 50 Resp: 578  
Ion Ratio Lower Upper  
50 100  
52 30.7 24.6 37.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY007381.D

Acq: 03 Feb 2022 17:15

Instrument :

MSVOA\_Y

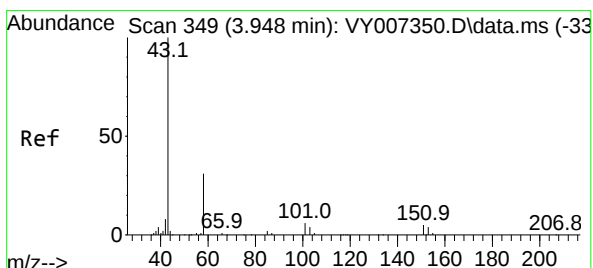
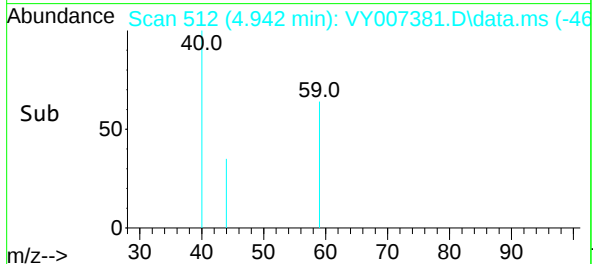
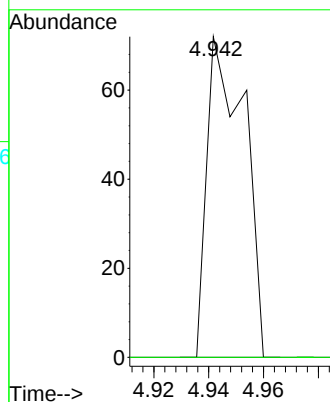
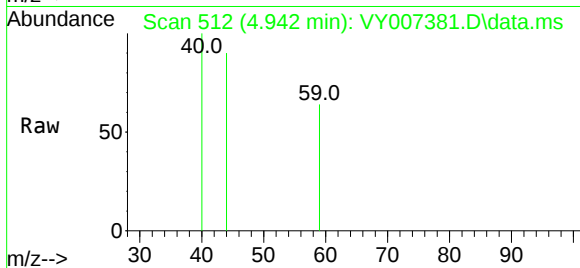
ClientSampleId :

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.026 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY007381.D

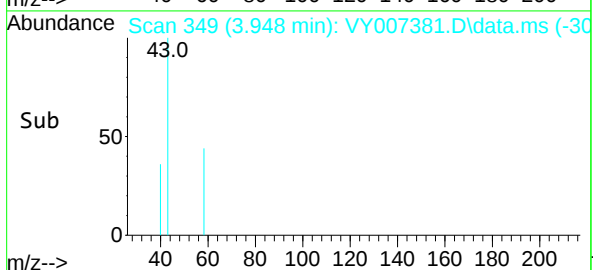
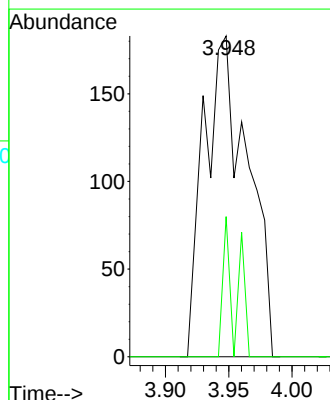
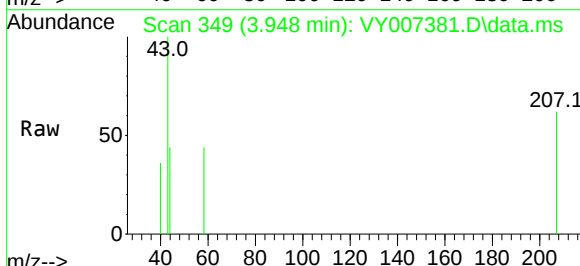
Acq: 03 Feb 2022 17:15

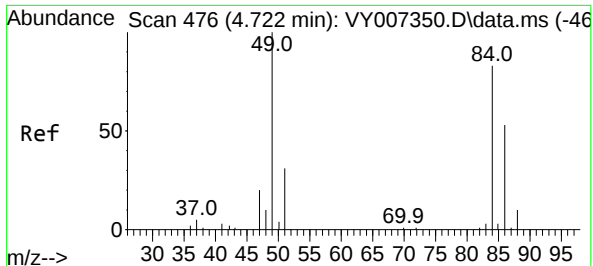
Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

43 100

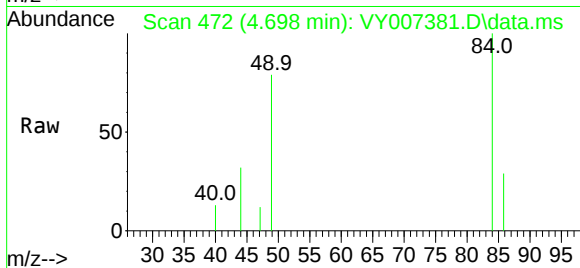
58 43.7 22.0 33.0#



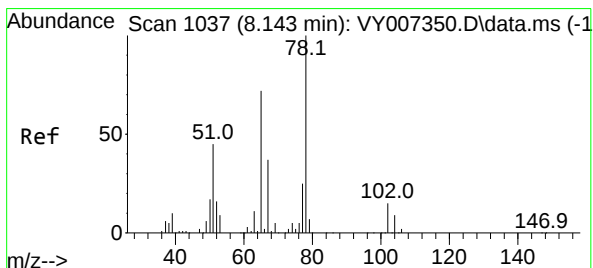
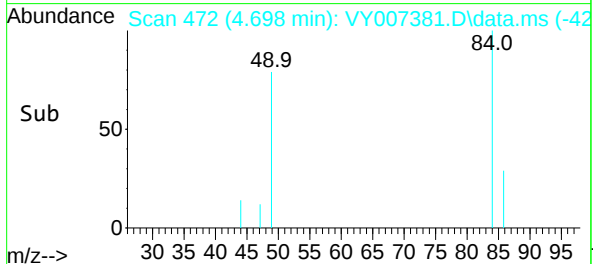
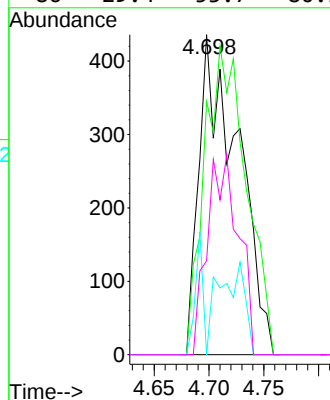


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.698 min Scan# 41  
Delta R.T. -0.024 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

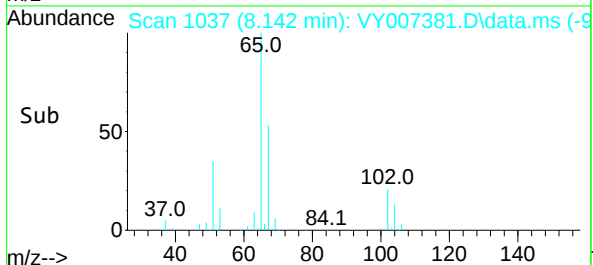
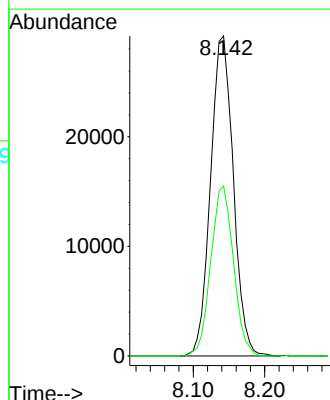
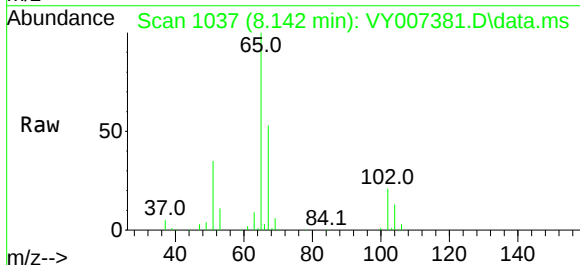


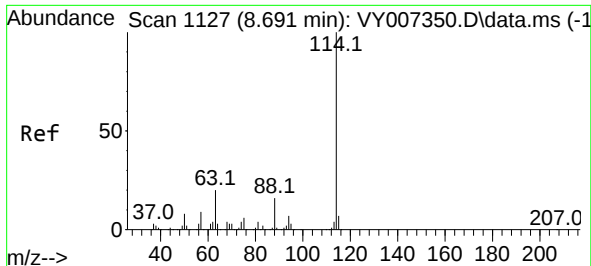
Tgt Ion: 84 Resp: 1076  
Ion Ratio Lower Upper  
84 100  
49 79.1 114.4 171.6#  
51 0.0 35.3 52.9#  
86 29.4 53.7 80.5#



#33  
1,2-Dichloroethane-d4  
Concen: 49.004 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Tgt Ion: 65 Resp: 64590  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007381.D

Acq: 03 Feb 2022 17:15

Instrument :

MSVOA\_Y

ClientSampleId :

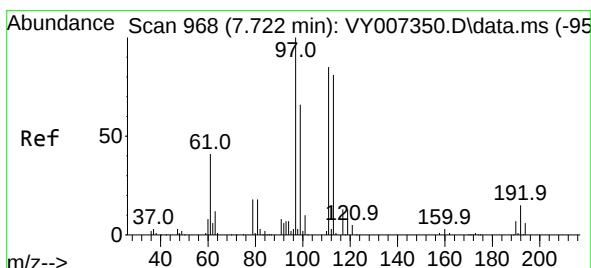
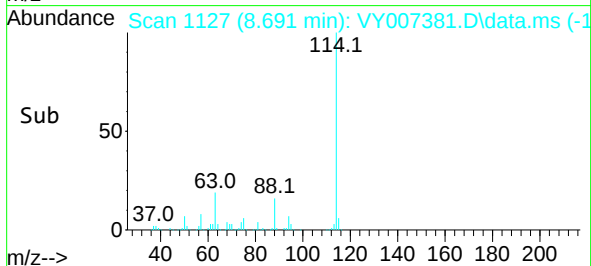
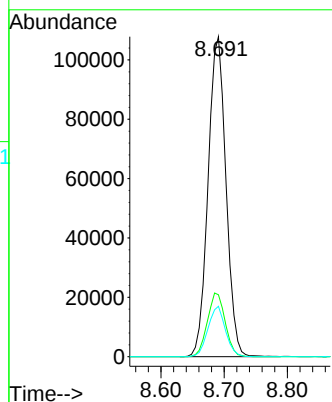
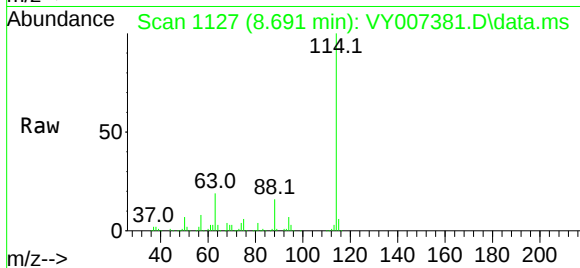
Tgt Ion:114 Resp: 212315

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.670 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007381.D

Acq: 03 Feb 2022 17:15

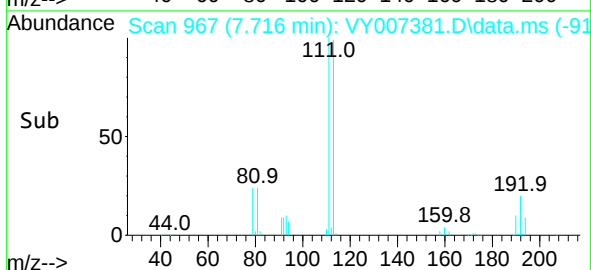
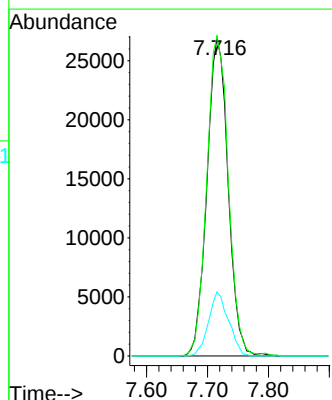
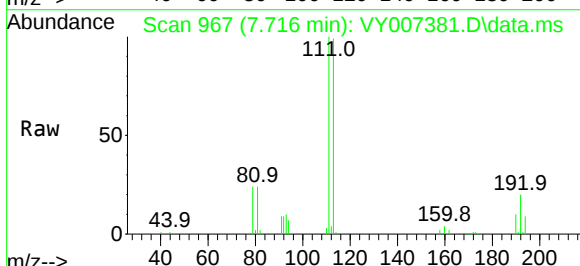
Tgt Ion:113 Resp: 64991

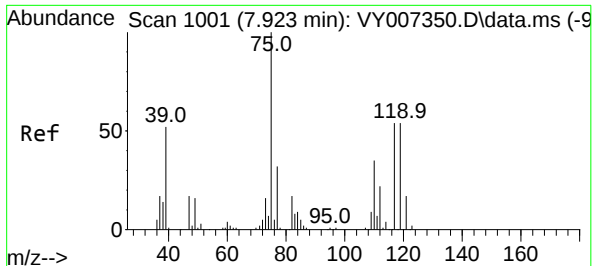
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.836 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

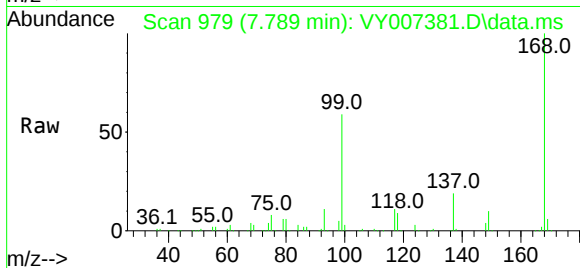
Lab File: VY007381.D

Acq: 03 Feb 2022 17:15

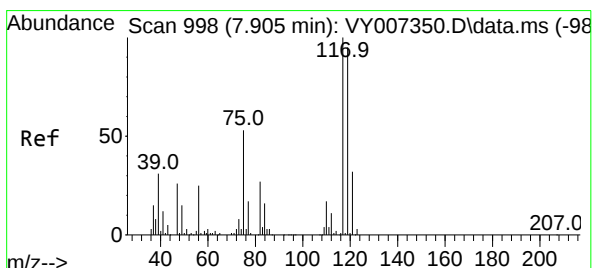
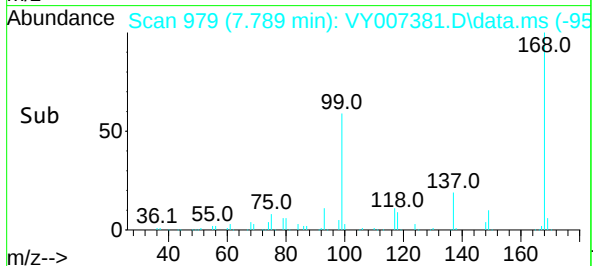
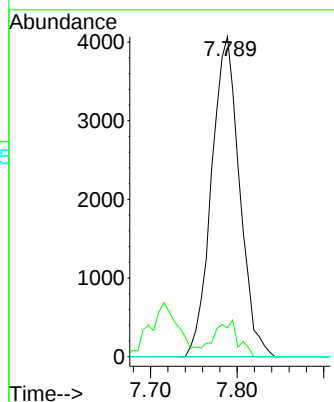
Instrument :

MSVOA\_Y

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 9144     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 9.5 17.1 51.2# |
| 77          | 0.0 24.4 36.6# |



#38

Carbon Tetrachloride

Concen: 5.113 ug/l

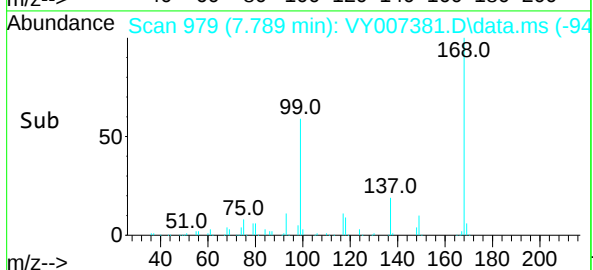
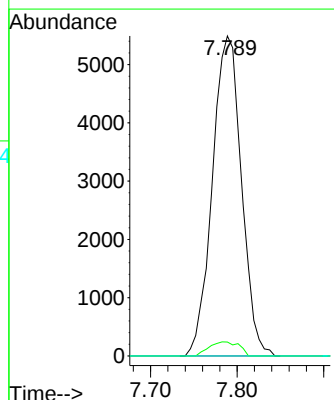
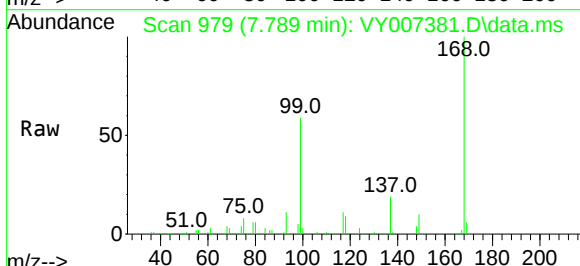
RT: 7.789 min Scan# 979

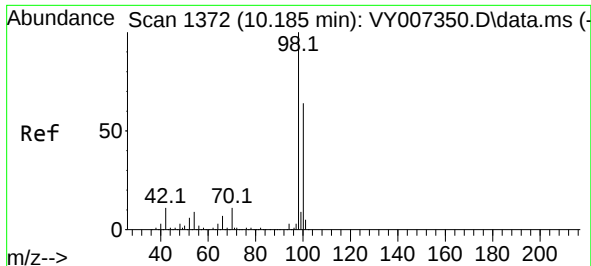
Delta R.T. -0.116 min

Lab File: VY007381.D

Acq: 03 Feb 2022 17:15

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 12804     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 4.4 77.9 116.9# |
| 121          | 0.0 24.8 37.2#  |

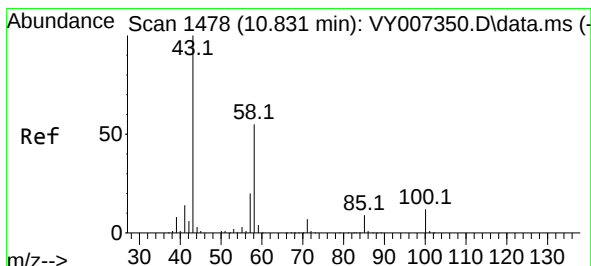
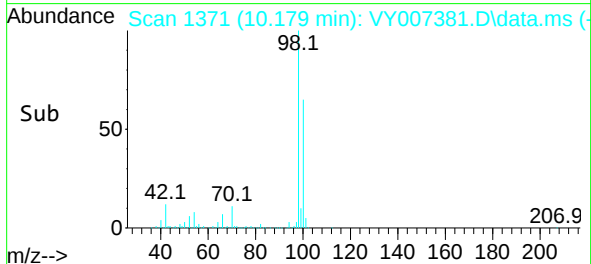
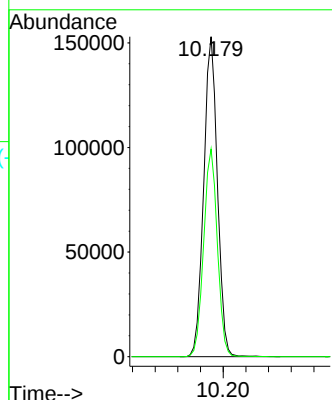
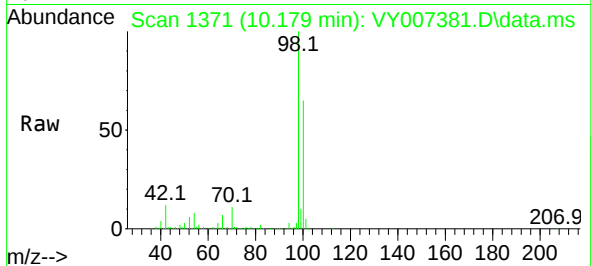




#50  
Toluene-d8  
Concen: 50.983 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

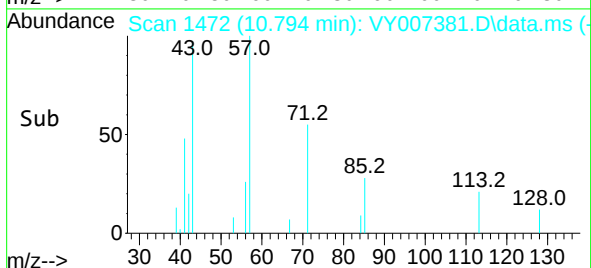
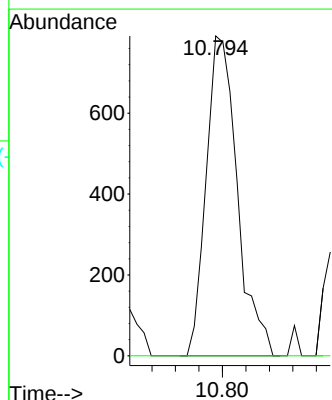
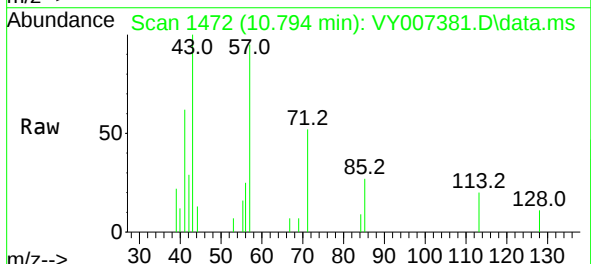
Instrument :  
MSVOA\_Y  
ClientSampleId :

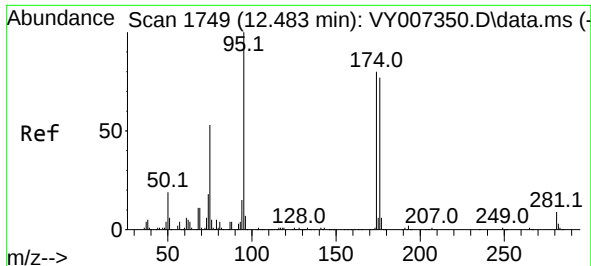
Tgt Ion: 98 Resp: 256800  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2



#59  
2-Hexanone  
Concen: 1.777 ug/l  
RT: 10.794 min Scan# 1472  
Delta R.T. -0.037 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

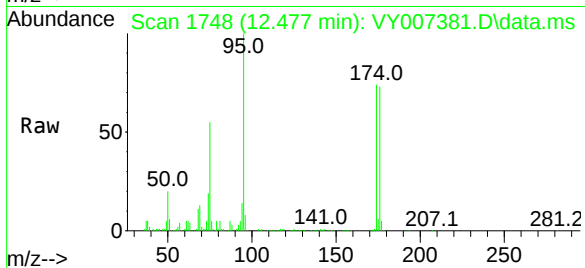
Tgt Ion: 43 Resp: 1456  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 73.4#



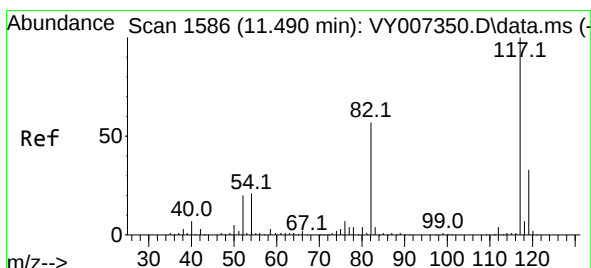
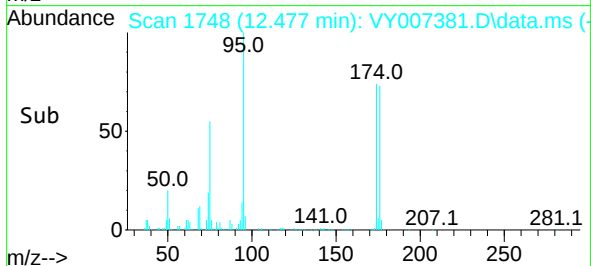
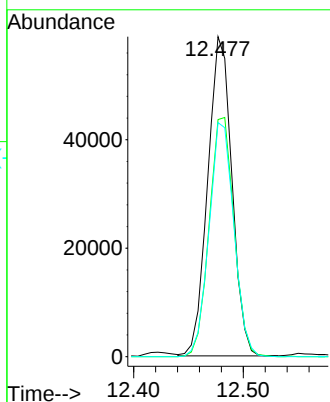


#62  
4-Bromofluorobenzene  
Concen: 52.686 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

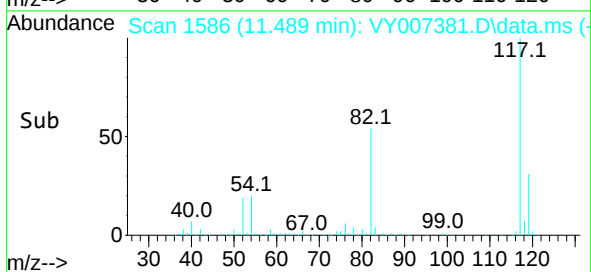
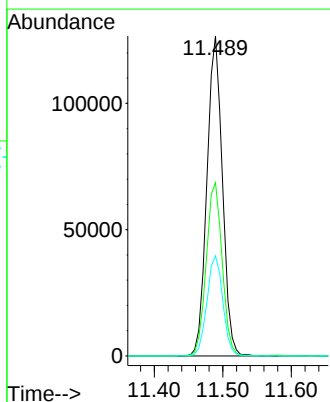
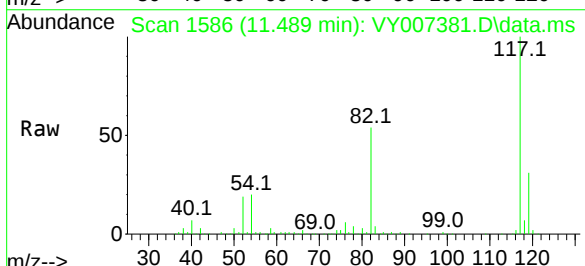


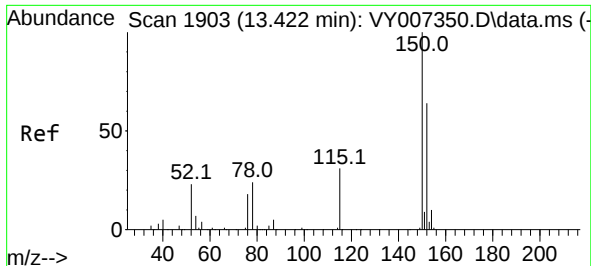
Tgt Ion: 95 Resp: 90198  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 177.0  
176 75.4 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Tgt Ion: 117 Resp: 199465  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.0 64.4  
119 31.3 25.4 38.0

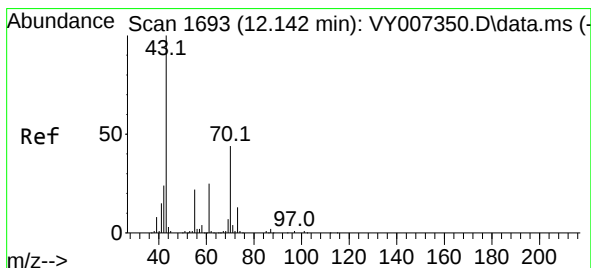
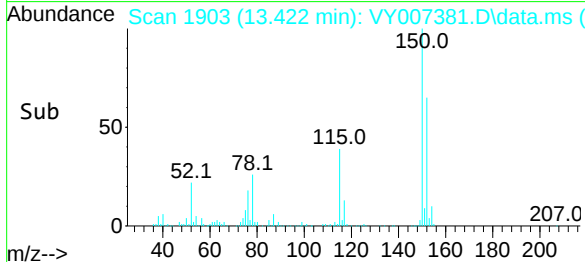
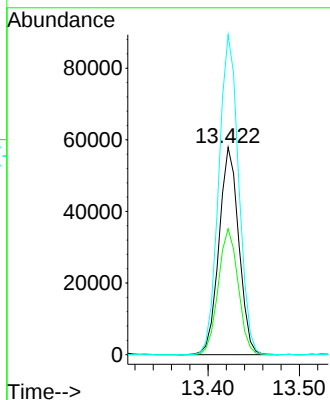
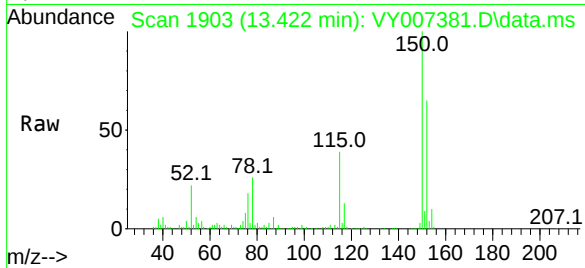




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

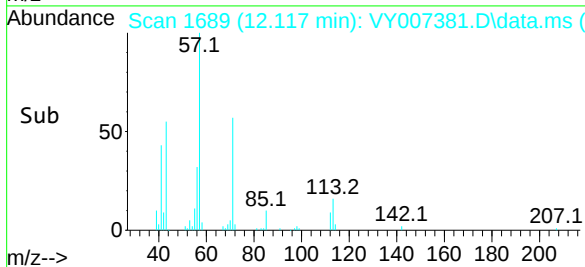
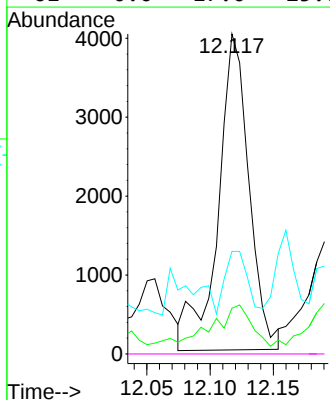
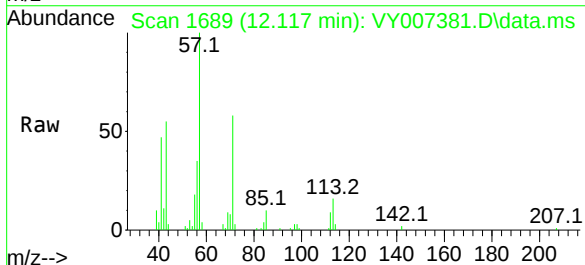
Instrument :  
MSVOA\_Y  
ClientSampleId :

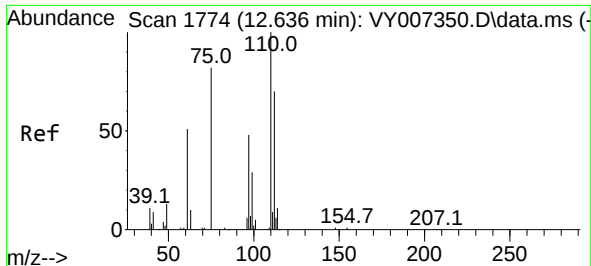
Tgt Ion:152 Resp: 87373  
Ion Ratio Lower Upper  
152 100  
115 60.8 28.2 84.7  
150 155.2 0.0 347.6



#74  
N-ethyl acetate  
Concen: 3.440 ug/l  
RT: 12.117 min Scan# 1689  
Delta R.T. -0.025 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Tgt Ion: 43 Resp: 6799  
Ion Ratio Lower Upper  
43 100  
70 16.9 28.7 43.1#  
55 24.9 17.3 25.9  
61 0.0 17.0 25.6#

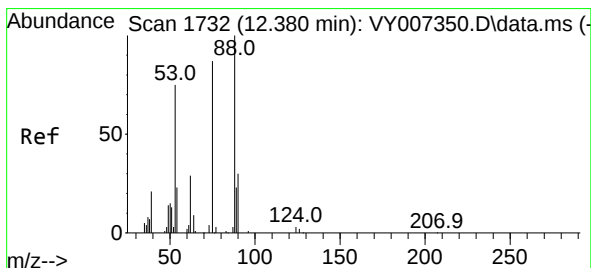
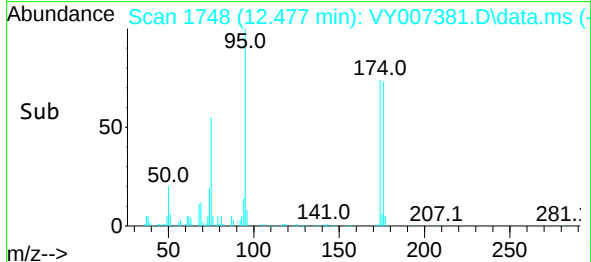
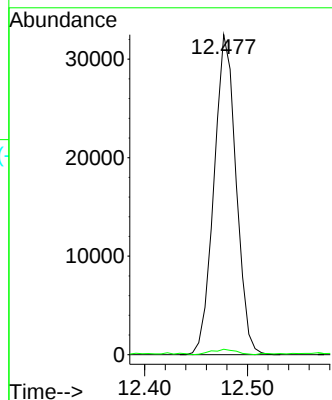
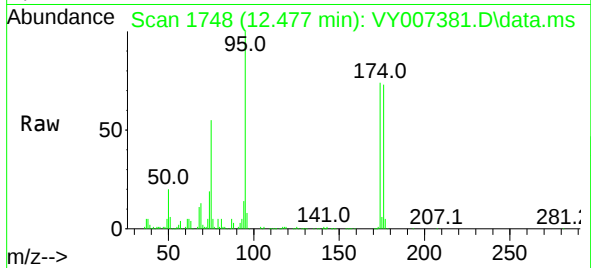




#76  
1,2,3-Trichloropropane  
Concen: 46.670 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.159 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

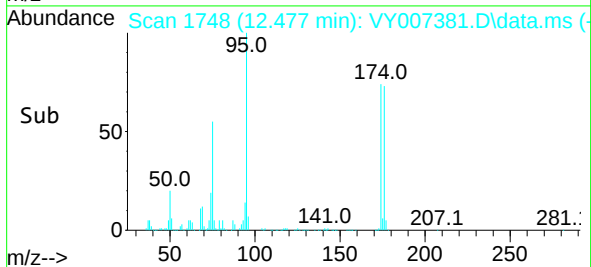
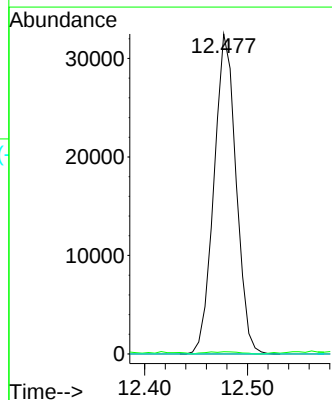
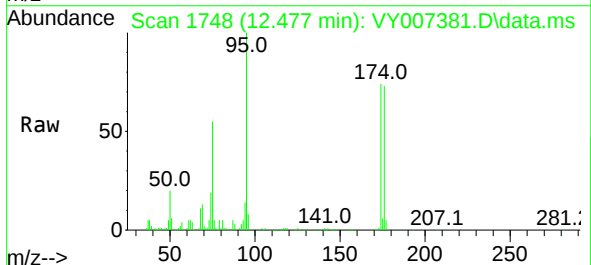
Instrument :  
MSVOA\_Y  
ClientSampleId :

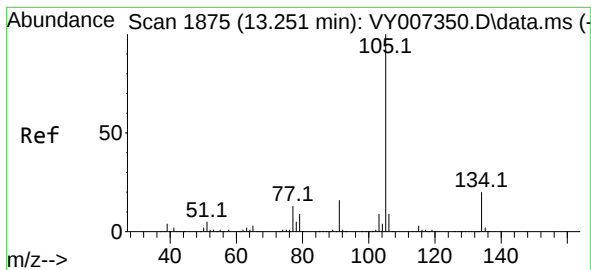
Tgt Ion: 75 Resp: 48476  
Ion Ratio Lower Upper  
75 100  
77 1.9 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.499 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.097 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Tgt Ion: 75 Resp: 48476  
Ion Ratio Lower Upper  
75 100  
53 1.1 85.3 127.9#  
89 0.0 37.0 55.4#





#85  
sec-Butylbenzene  
Concen: 1.025 ug/l  
RT: 13.251 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007381.D  
Acq: 03 Feb 2022 17:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:105 Resp: 8717  
Ion Ratio Lower Upper  
105 100  
134 27.0 10.2 30.4

