

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080422\  
 Data File : VY009846.D  
 Acq On : 04 Aug 2022 20:39  
 Operator : KP/MD  
 Sample : N3998-08  
 Misc : 4.72g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS-1

Quant Time: Aug 05 01:45:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080322S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 04 02:27:45 2022  
 Response via : Initial Calibration

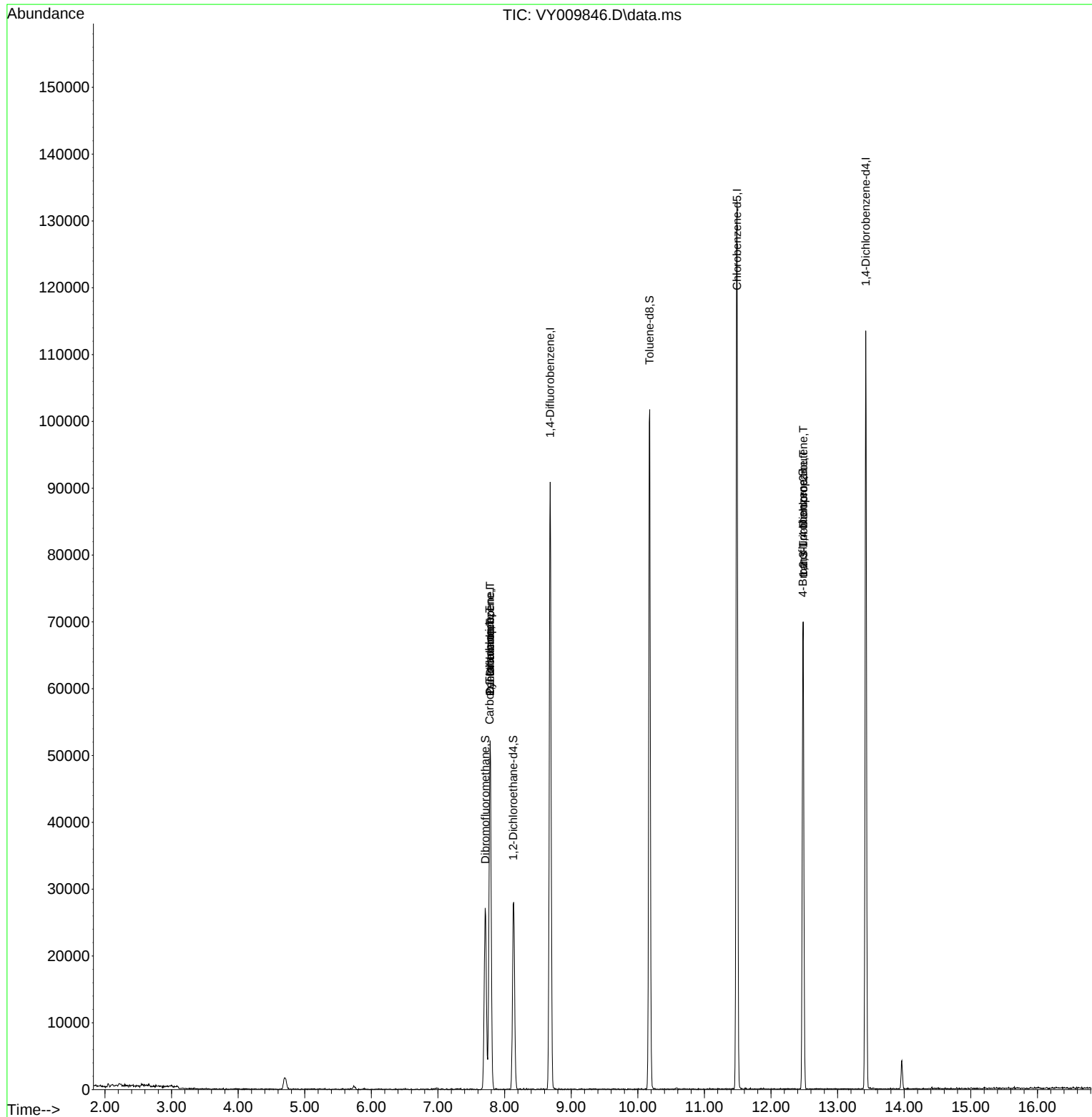
| Compound                      | R.T.           | QIon | Response            | Conc          | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------------|-------|----------|
| -----                         |                |      |                     |               |       |          |
| Internal Standards            |                |      |                     |               |       |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 40907               | 50.000        | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 75299               | 50.000        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 71414               | 50.000        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 27704               | 50.000        | ug/l  | 0.00     |
|                               |                |      |                     |               |       |          |
| System Monitoring Compounds   |                |      |                     |               |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.130          | 65   | 21621               | 66.270        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 132.540% |               |       |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 18470               | 40.230        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 80.460%  |               |       |          |
| 50) Toluene-d8                | 10.179         | 98   | 63778               | 46.888        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 78 - 125 |      | Recovery = 93.780%  |               |       |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 18319               | 29.467        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 146 |      | Recovery = 58.940%  |               |       |          |
|                               |                |      |                     |               |       |          |
| Target Compounds              |                |      |                     |               |       | Qvalue   |
| 20) Methylene Chloride        | 4.698          | 84   | 1378                | Below Cal     |       | 89       |
| 31) Cyclohexane               | 7.783          | 56   | 1052                | 1.359 ug/l #  |       | 1        |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 3426                | 4.498 ug/l #  |       | 46       |
| 38) Carbon Tetrachloride      | 7.777          | 117  | 3658                | 4.566 ug/l #  |       | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 9879                | 31.173 ug/l # |       | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 9879                | 66.903 ug/l # |       | 12       |
| -----                         |                |      |                     |               |       |          |

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

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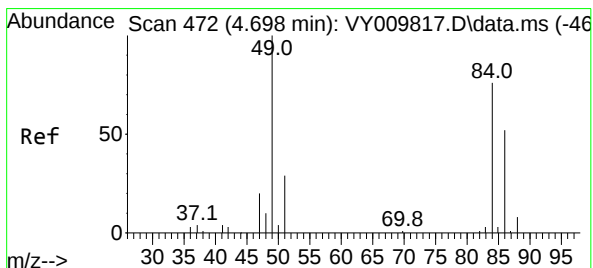
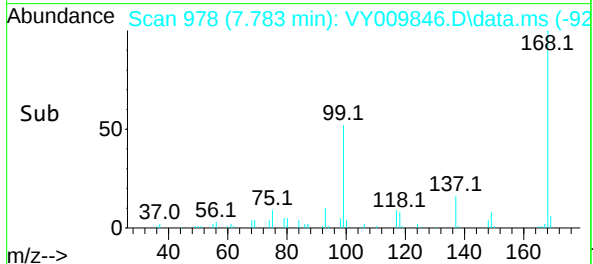
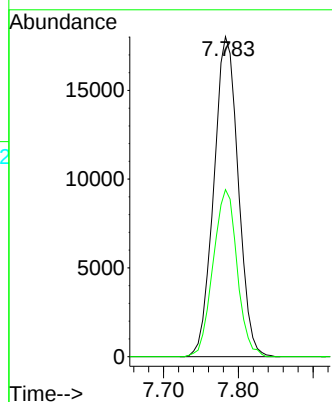
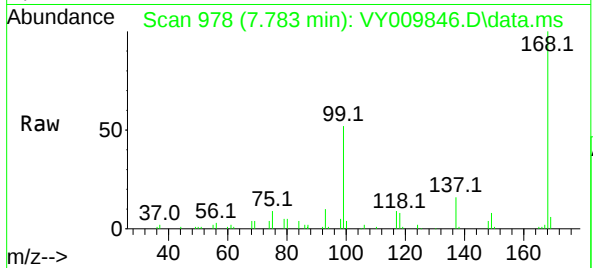




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

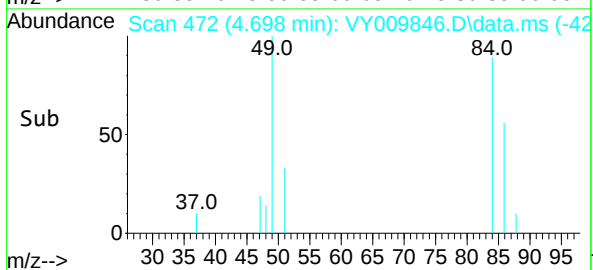
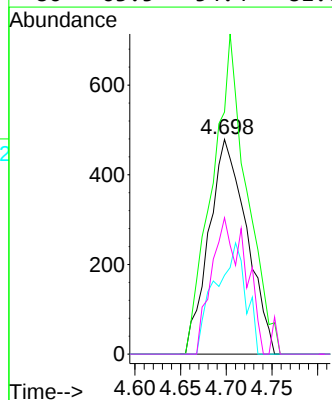
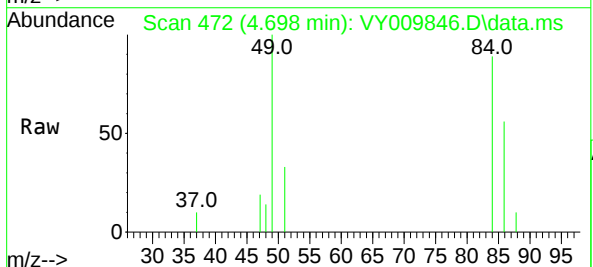
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-1

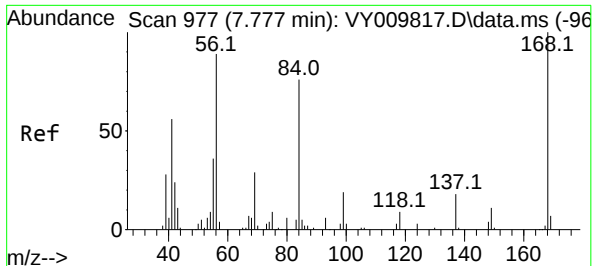
Tgt Ion:168 Resp: 40907  
Ion Ratio Lower Upper  
168 100  
99 52.2 44.7 67.1



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.698 min Scan# 472  
Delta R.T. -0.000 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

Tgt Ion: 84 Resp: 1378  
Ion Ratio Lower Upper  
84 100  
49 112.7 104.6 156.8  
51 36.7 30.9 46.3  
86 63.5 54.4 81.6

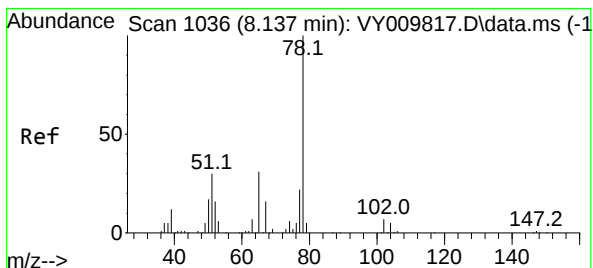
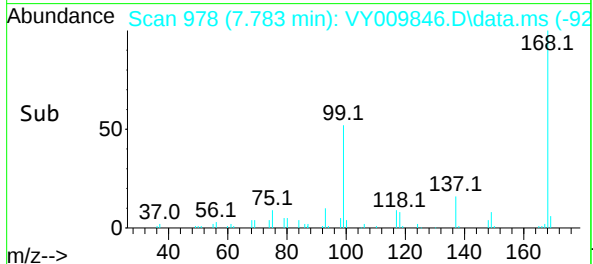
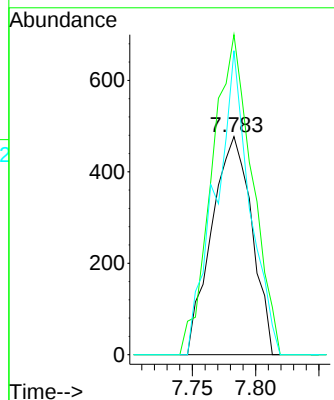
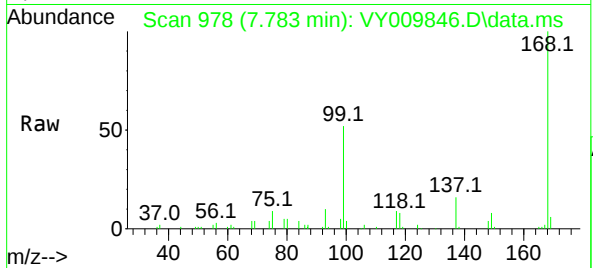




#31  
Cyclohexane  
Concen: 1.359 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

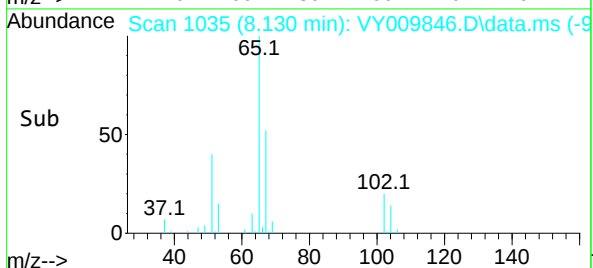
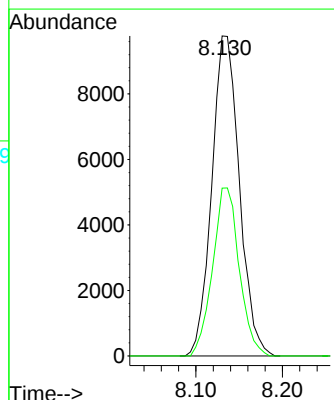
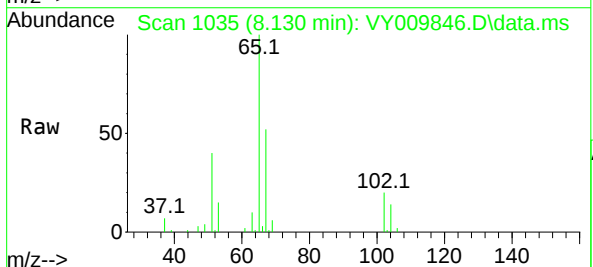
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-1

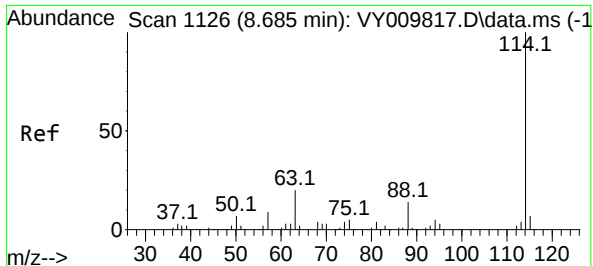
Tgt Ion: 56 Resp: 1052  
Ion Ratio Lower Upper  
56 100  
69 146.8 25.8 38.8#  
84 139.4 67.9 101.9#



#33  
1,2-Dichloroethane-d4  
Concen: 66.270 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.007 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

Tgt Ion: 65 Resp: 21621  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 112.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009846.D

Acq: 04 Aug 2022 20:39

Instrument :

MSVOA\_Y

ClientSampleId :

SS-1

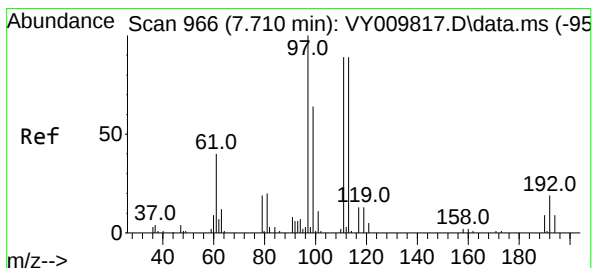
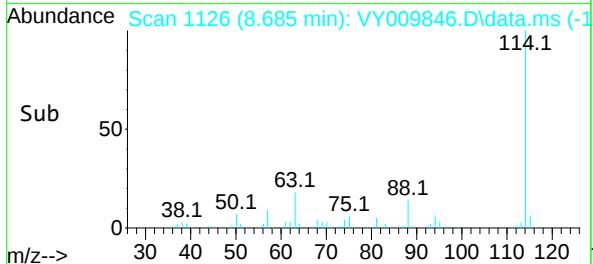
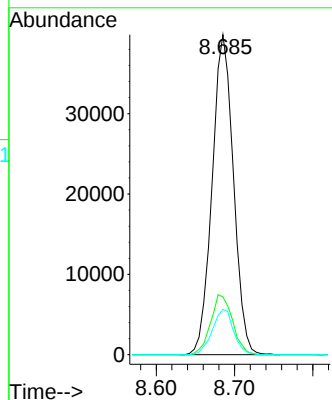
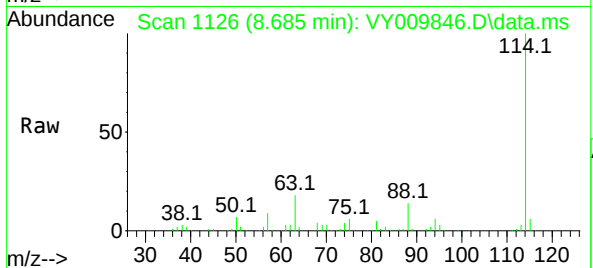
Tgt Ion:114 Resp: 75299

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.2

88 14.2 0.0 27.6



#35

Dibromofluoromethane

Concen: 40.230 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009846.D

Acq: 04 Aug 2022 20:39

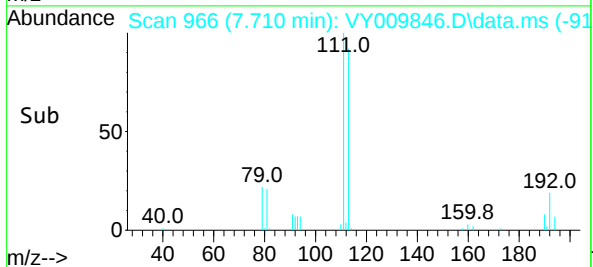
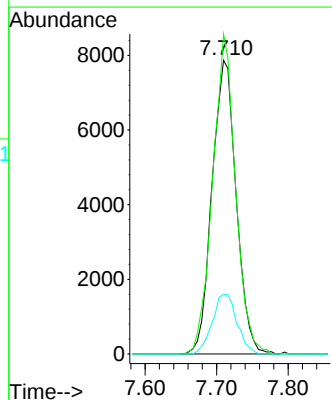
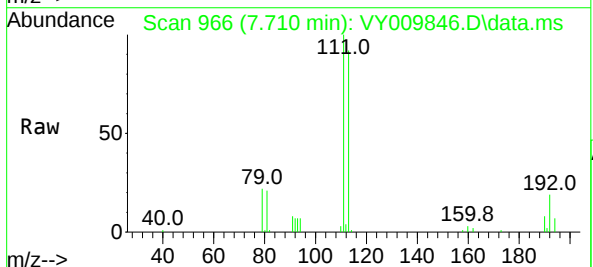
Tgt Ion:113 Resp: 18470

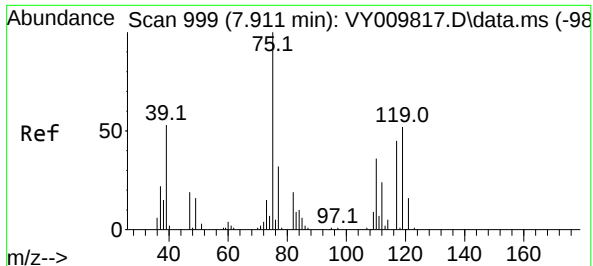
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 20.7 16.5 24.7





#36

1,1-Dichloropropene

Concen: 4.498 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009846.D

Acq: 04 Aug 2022 20:39

Instrument :

MSVOA\_Y

ClientSampleId :

SS-1

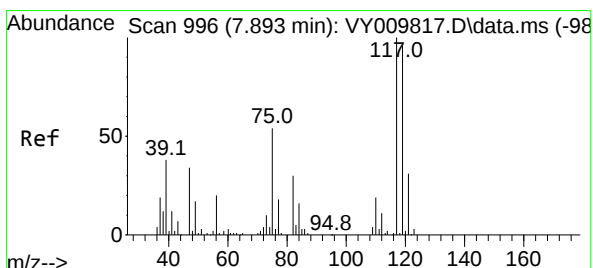
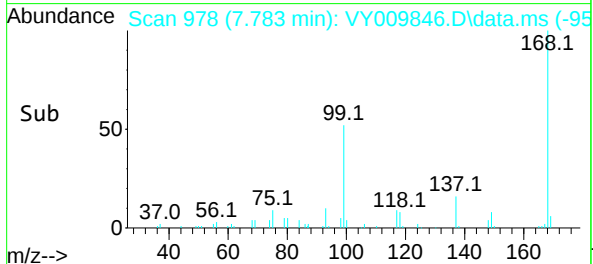
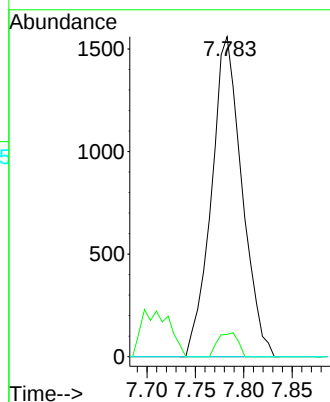
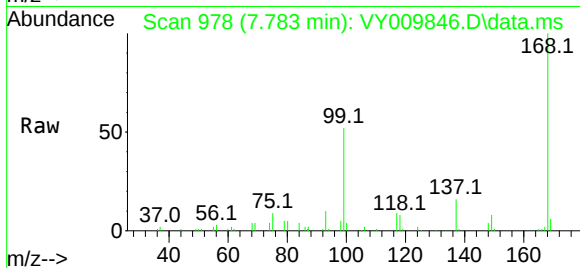
Tgt Ion: 75 Resp: 3426

Ion Ratio Lower Upper

75 100

110 4.9 17.8 53.4#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.566 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.116 min

Lab File: VY009846.D

Acq: 04 Aug 2022 20:39

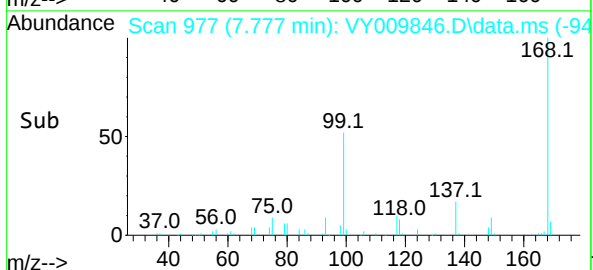
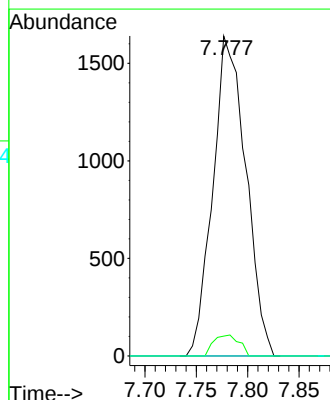
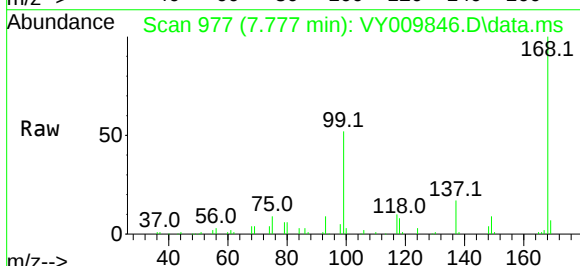
Tgt Ion: 117 Resp: 3658

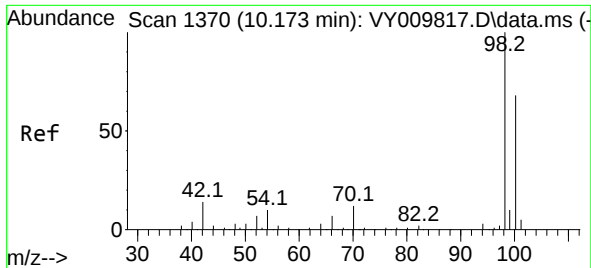
Ion Ratio Lower Upper

117 100

119 6.2 76.8 115.2#

121 0.0 24.9 37.3#

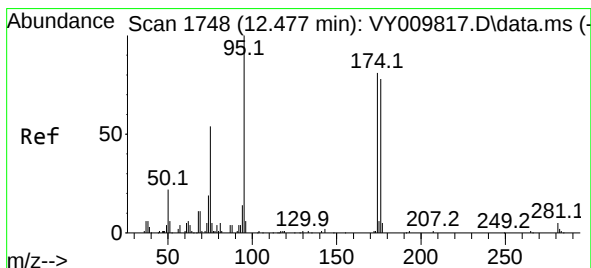
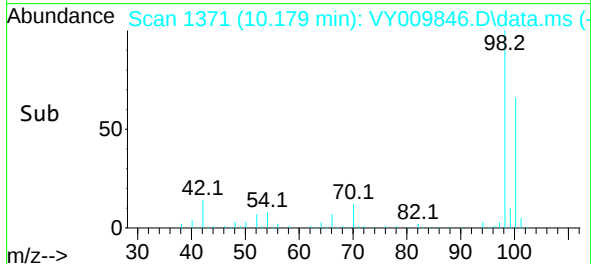
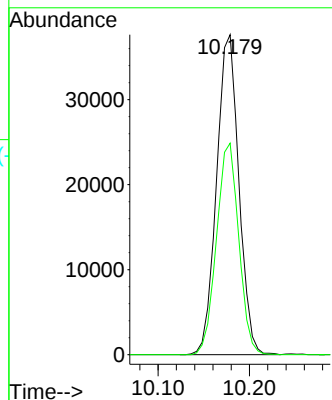
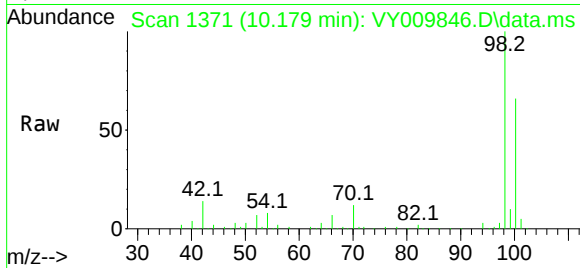




#50  
Toluene-d8  
Concen: 46.888 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

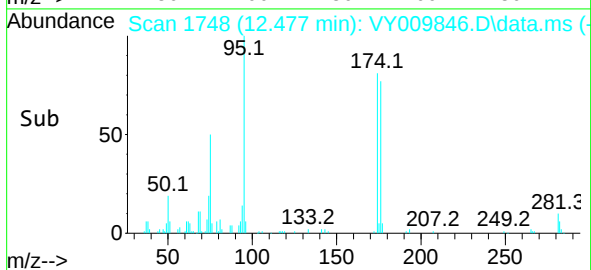
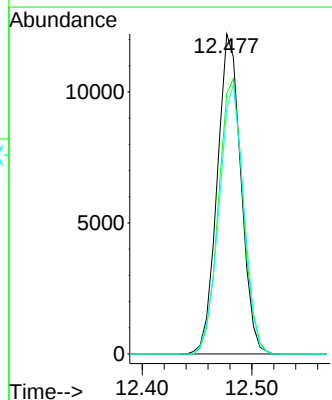
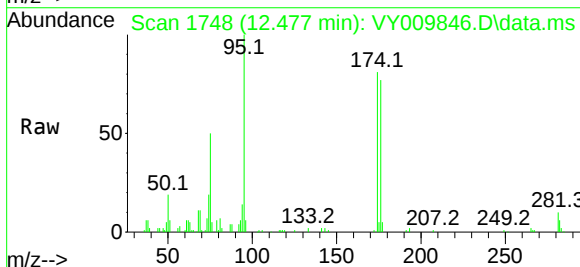
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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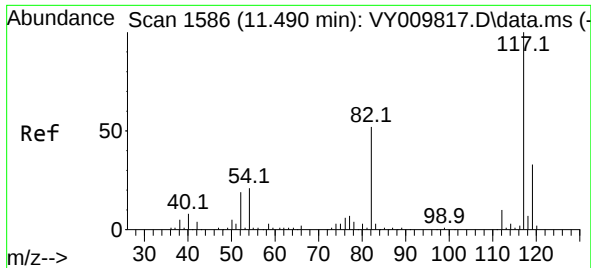
Tgt Ion: 98 Resp: 63778  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.4 80.2



#62  
4-Bromofluorobenzene  
Concen: 29.467 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

Tgt Ion: 95 Resp: 18319  
Ion Ratio Lower Upper  
95 100  
174 89.5 0.0 168.6  
176 87.4 0.0 163.6

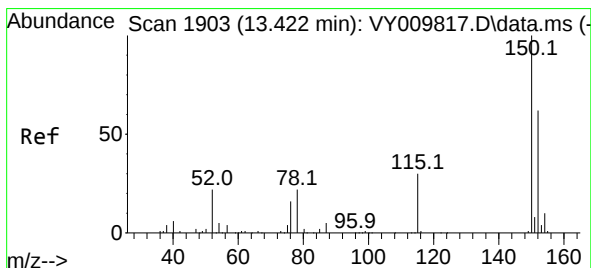
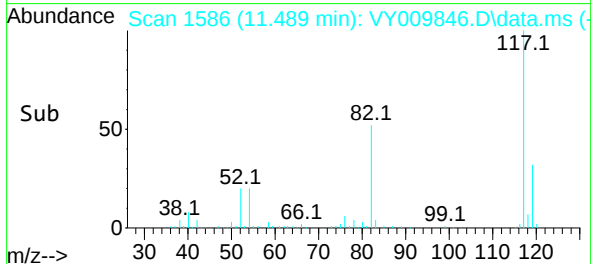
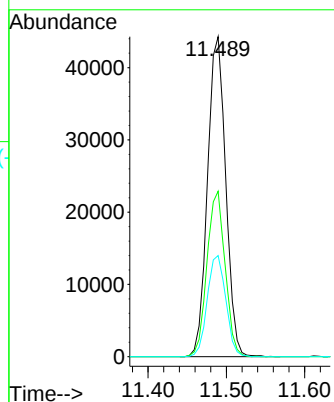
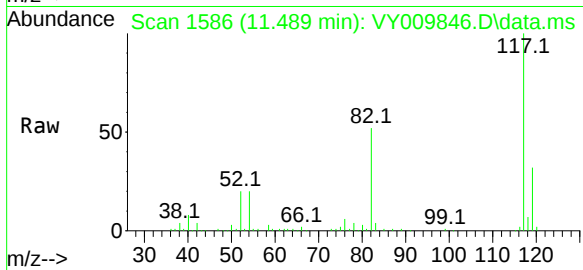




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

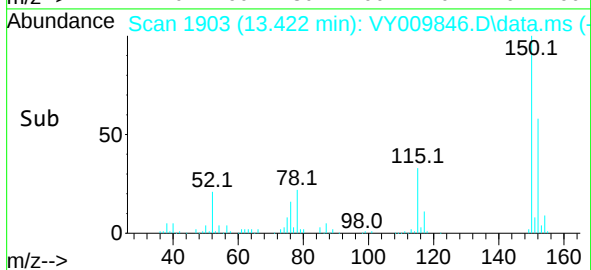
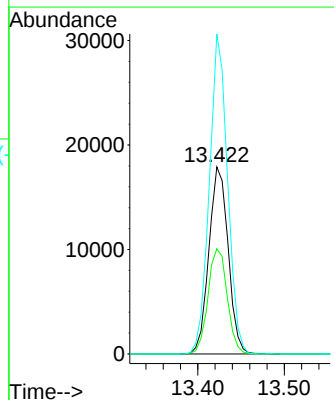
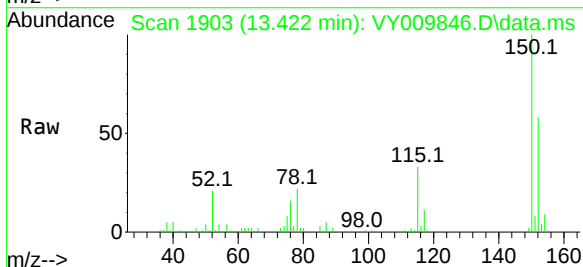
Instrument :  
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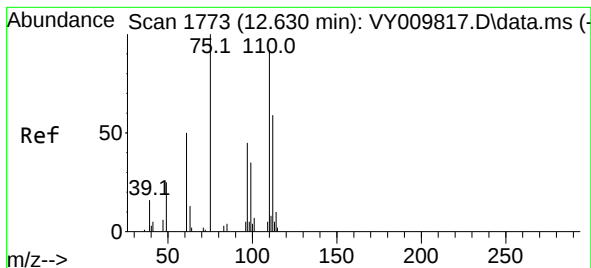
Tgt Ion:117 Resp: 71414  
Ion Ratio Lower Upper  
117 100  
82 51.7 41.7 62.5  
119 31.6 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

Tgt Ion:152 Resp: 27704  
Ion Ratio Lower Upper  
152 100  
115 56.0 28.9 86.7  
150 161.5 0.0 354.2

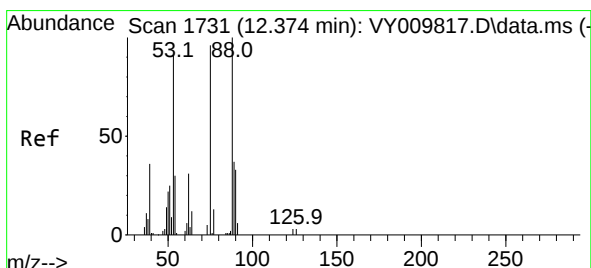
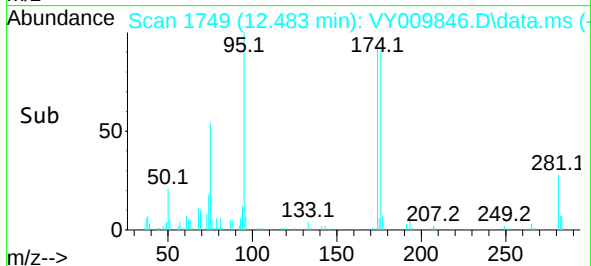
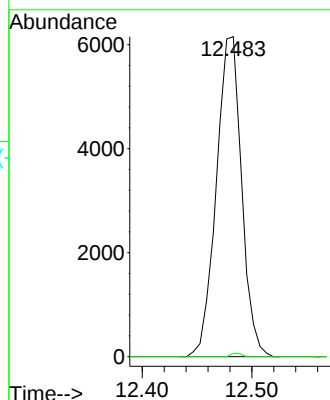
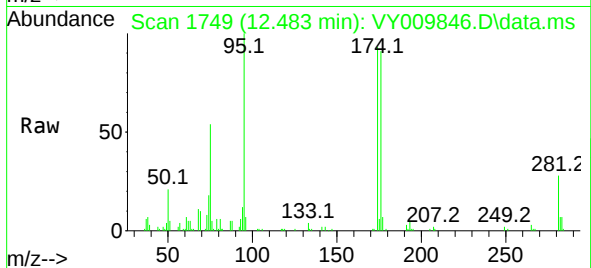




#76  
1,2,3-Trichloropropane  
Concen: 31.173 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-1

Tgt Ion: 75 Resp: 9879  
Ion Ratio Lower Upper  
75 100  
77 0.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.903 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.110 min  
Lab File: VY009846.D  
Acq: 04 Aug 2022 20:39

Tgt Ion: 75 Resp: 9879  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.0 35.3 52.9#

