

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022025\  
 Data File : VY021257.D  
 Acq On : 20 Feb 2025 18:16  
 Operator : SY/MD  
 Sample : Q1383-13  
 Misc : 5.36g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

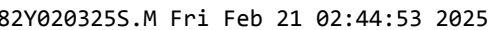
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

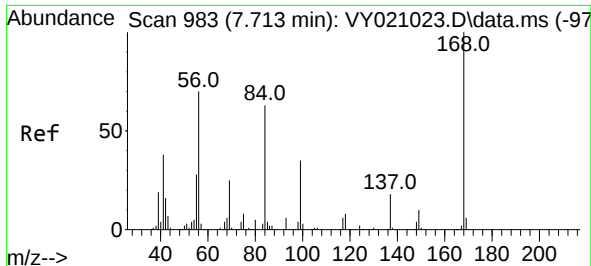
Quant Time: Feb 21 02:44:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.719  | 168   | 192679   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.622  | 114   | 378357   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.426 | 117   | 350067   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 136716   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.073  | 65    | 124389   | 63.009   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 126.020% |          |
| 35) Dibromofluoromethane      | 7.646  | 113   | 124975   | 51.541   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 103.080% |          |
| 50) Toluene-d8                | 10.115 | 98    | 464866   | 50.358   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 100.720% |          |
| 62) 4-Bromofluorobenzene      | 12.414 | 95    | 150154   | 49.789   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 99.580%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride        | 4.635  | 84    | 2465     | 1.288    | ug/l #     | 89       |
| 29) Tetrahydrofuran           | 7.274  | 42    | 728      | 2.127    | ug/l #     | 37       |
| 31) Cyclohexane               | 7.719  | 56    | 4592     | 1.364    | ug/l #     | 32       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 15756    | 4.387    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.719  | 117   | 19857    | 4.732    | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.115 | 43    | 2215     | 1.407    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.414 | 75    | 81732    | 65.903   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.414 | 75    | 81732    | 134.474  | ug/l #     | 12       |
| -----                         |        |       |          |          |            |          |

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

Quant Time: Feb 21 02:44:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

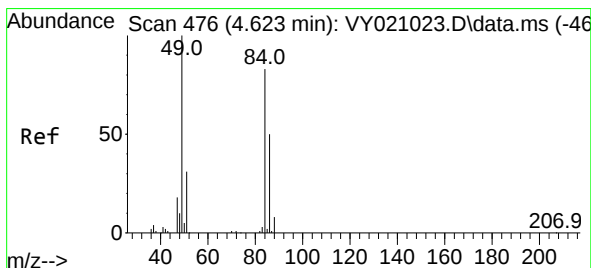
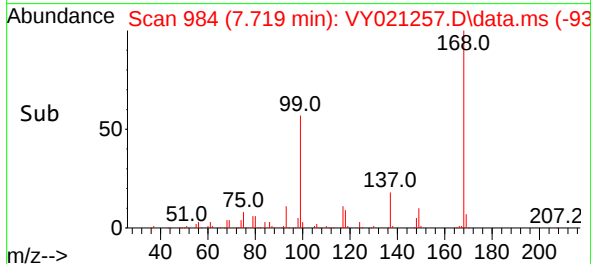
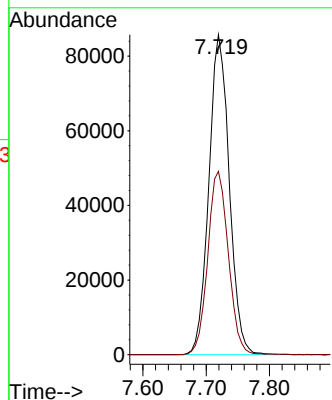
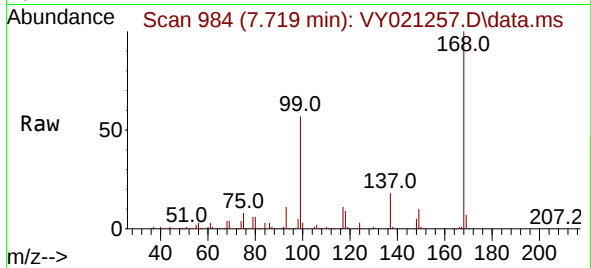




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021257.D  
Acq: 20 Feb 2025 18:16

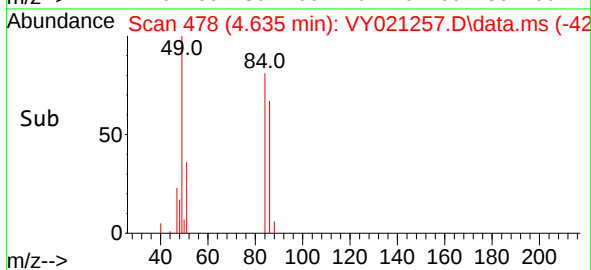
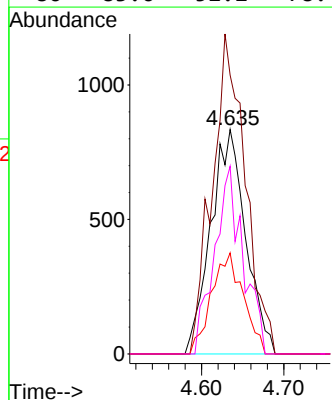
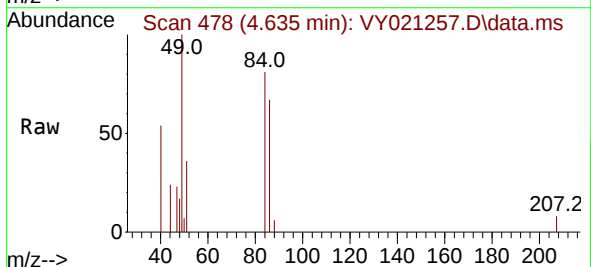
Instrument :  
MSVOA\_Y  
ClientSampleId :

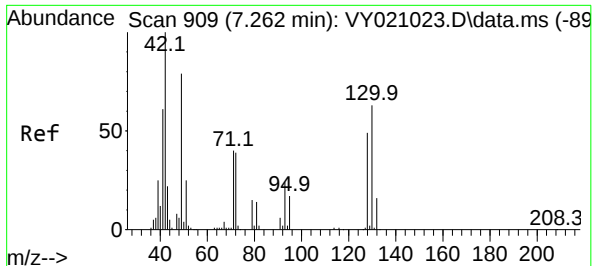
Tgt Ion:168 Resp: 192679  
Ion Ratio Lower Upper  
168 100  
99 57.3 44.2 66.4



#20  
Methylene Chloride  
Concen: 1.288 ug/l  
RT: 4.635 min Scan# 478  
Delta R.T. 0.012 min  
Lab File: VY021257.D  
Acq: 20 Feb 2025 18:16

Tgt Ion: 84 Resp: 2465  
Ion Ratio Lower Upper  
84 100  
49 124.2 95.2 142.8  
51 45.0 29.9 44.9#  
86 83.6 52.2 78.4#





#29

Tetrahydrofuran

Concen: 2.127 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

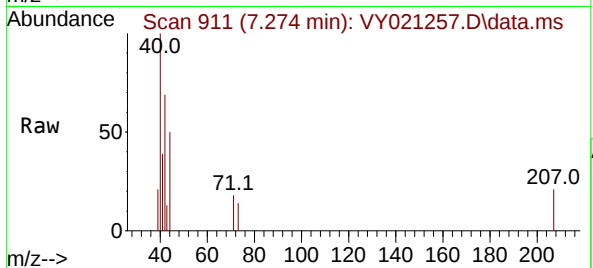
Lab File: VY021257.D

Acq: 20 Feb 2025 18:16

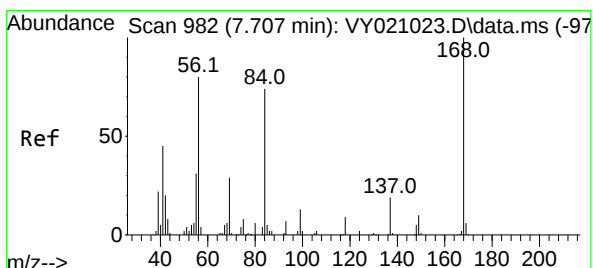
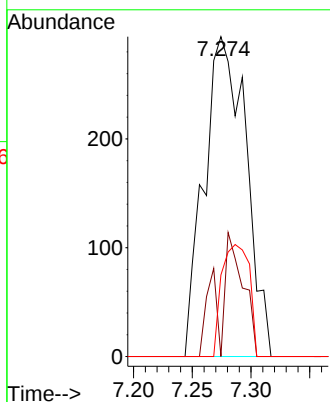
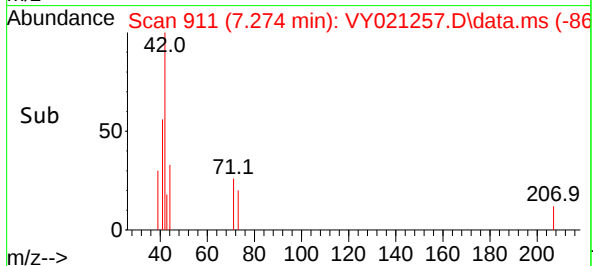
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 728   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 6.9   | 36.6  | 54.8# |
| 71       | 0.0   | 33.8  | 50.6# |



#31

Cyclohexane

Concen: 1.364 ug/l

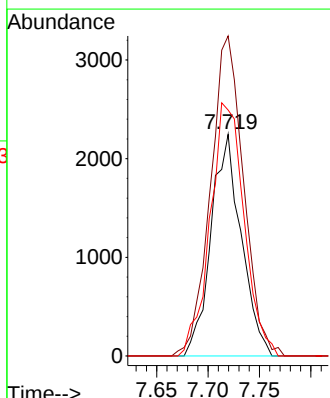
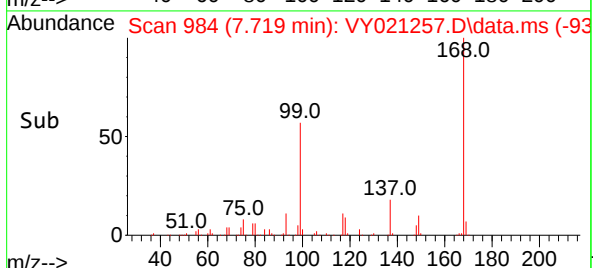
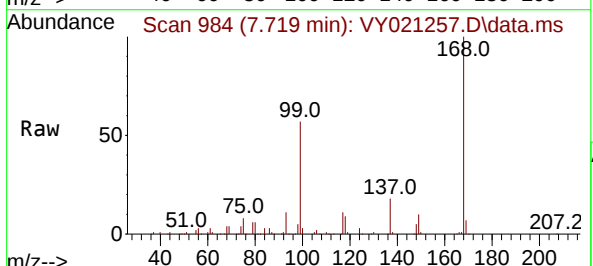
RT: 7.719 min Scan# 984

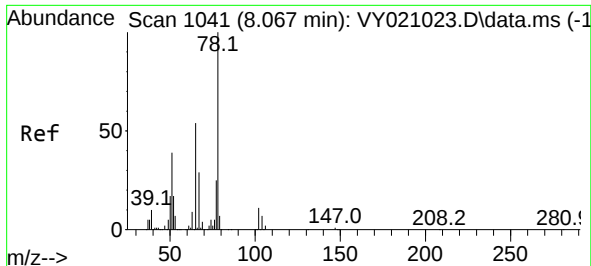
Delta R.T. 0.012 min

Lab File: VY021257.D

Acq: 20 Feb 2025 18:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4592   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 142.1 | 27.0  | 40.6#  |
| 84       | 110.9 | 71.8  | 107.6# |





#33

1,2-Dichloroethane-d4

Concen: 63.009 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021257.D

Acq: 20 Feb 2025 18:16

Instrument :

MSVOA\_Y

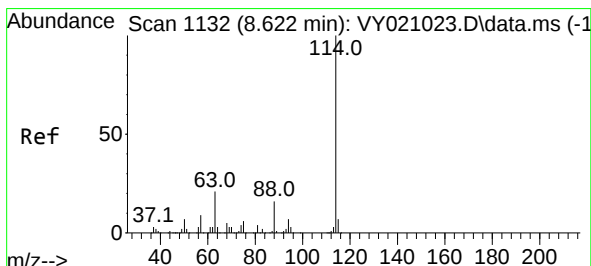
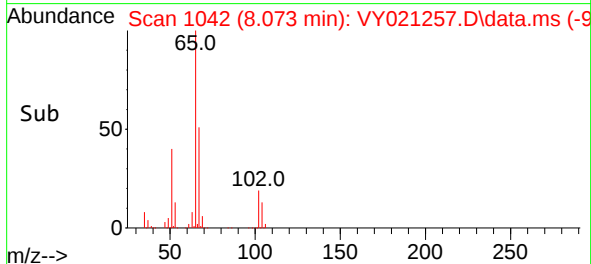
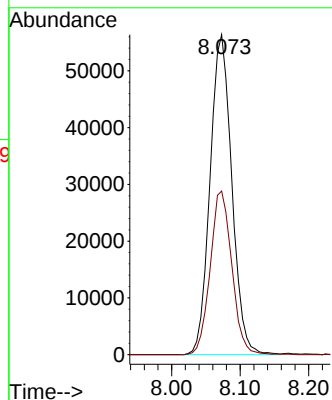
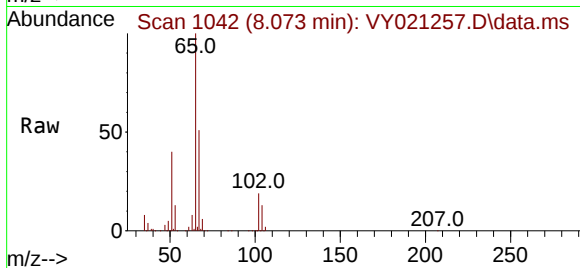
ClientSampleId :

Tgt Ion: 65 Resp: 124389

Ion Ratio Lower Upper

65 100

67 50.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021257.D

Acq: 20 Feb 2025 18:16

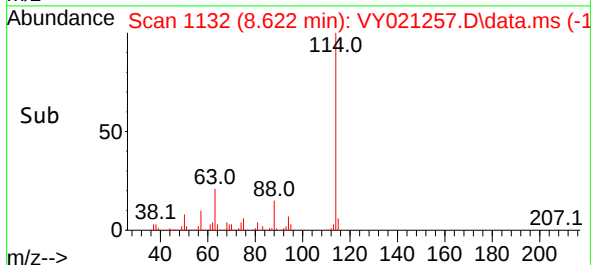
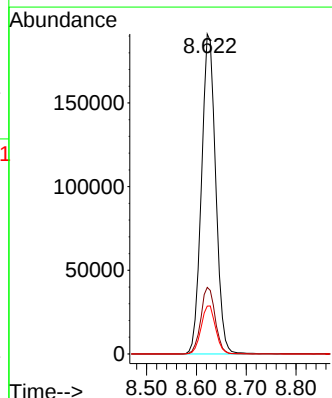
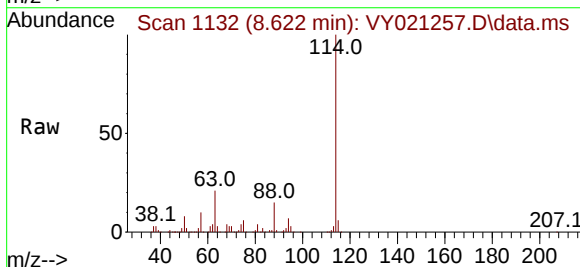
Tgt Ion: 114 Resp: 378357

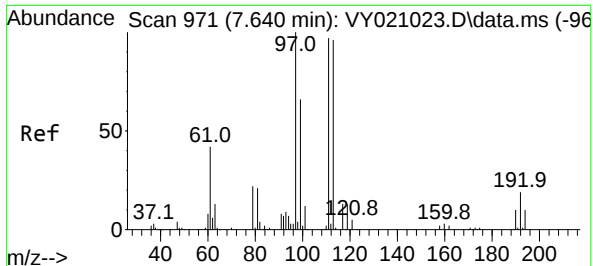
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

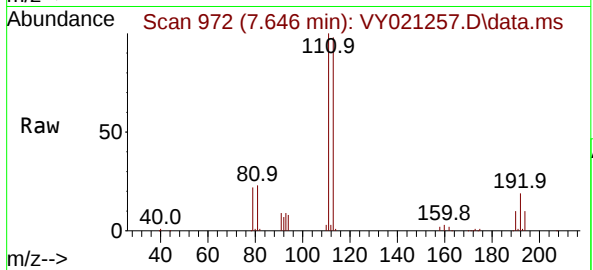
88 15.0 0.0 29.0



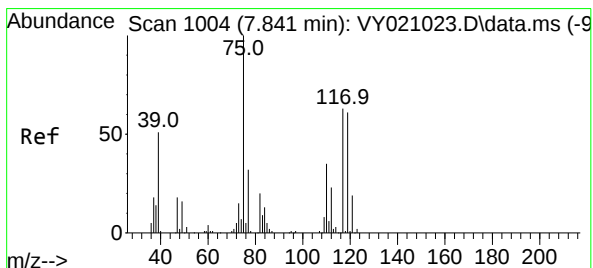
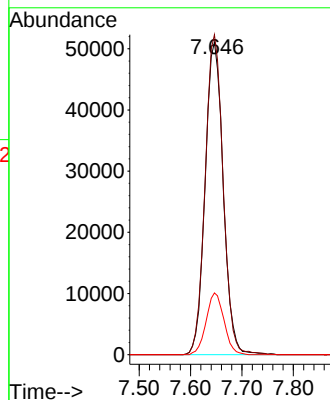
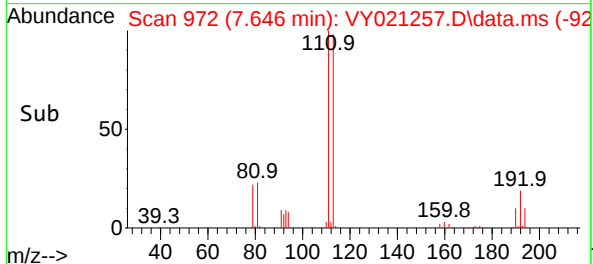


#35  
Dibromofluoromethane  
Concen: 51.541 ug/l  
RT: 7.646 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021257.D  
Acq: 20 Feb 2025 18:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

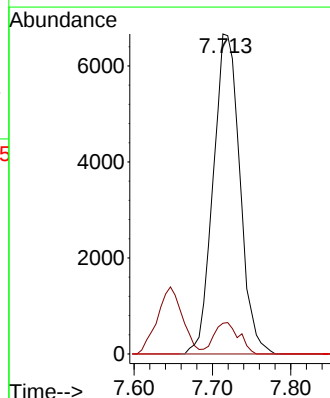
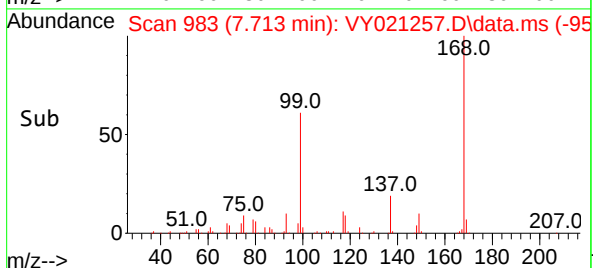
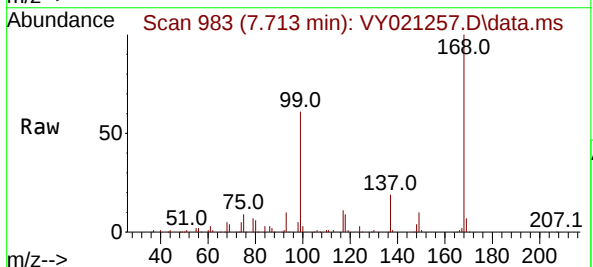


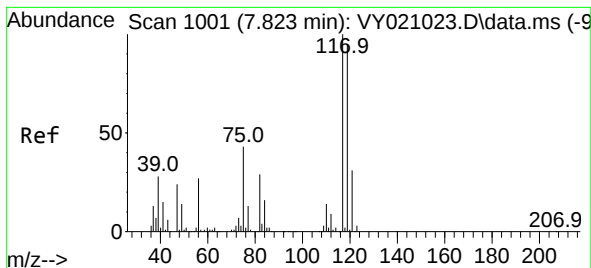
Tgt Ion:113 Resp: 124975  
Ion Ratio Lower Upper  
113 100  
111 101.7 83.8 125.6  
192 19.5 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 4.387 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.128 min  
Lab File: VY021257.D  
Acq: 20 Feb 2025 18:16

Tgt Ion: 75 Resp: 15756  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.4 52.3#  
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.732 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

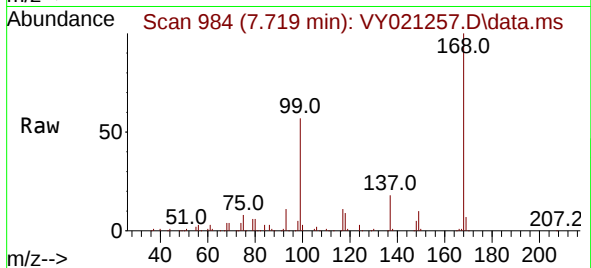
Lab File: VY021257.D

Acq: 20 Feb 2025 18:16

Instrument :

MSVOA\_Y

ClientSampleId :



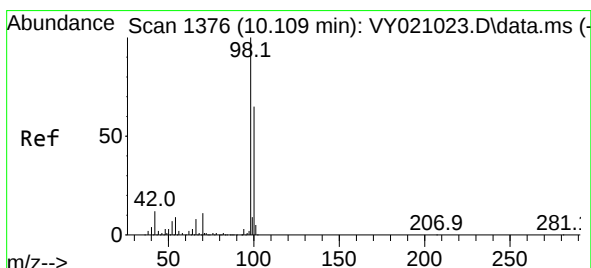
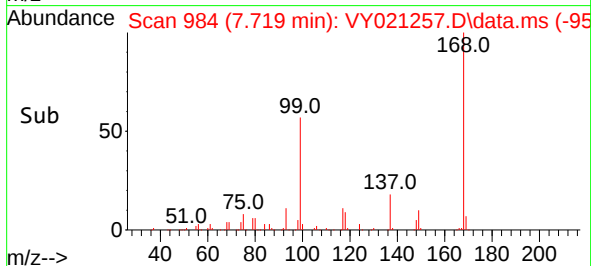
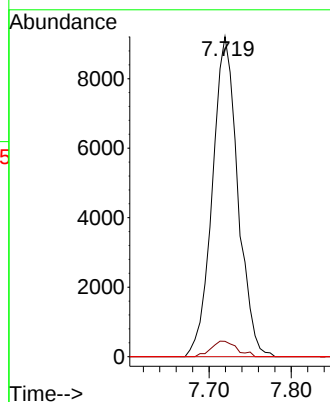
Tgt Ion:117 Resp: 19857

Ion Ratio Lower Upper

117 100

119 4.8 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.358 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021257.D

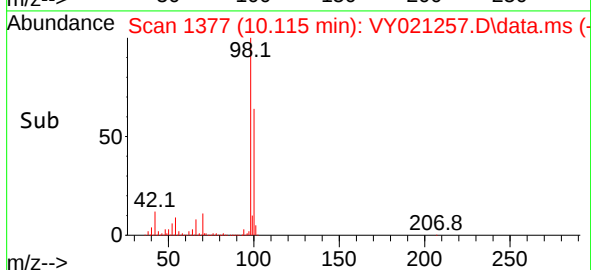
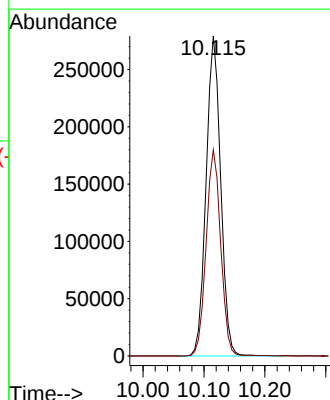
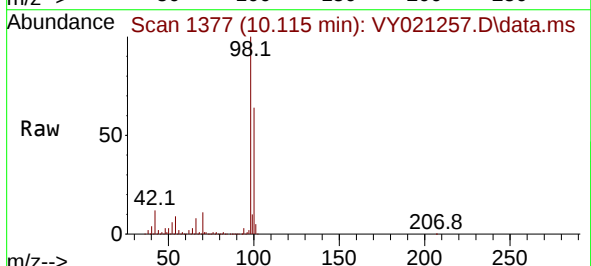
Acq: 20 Feb 2025 18:16

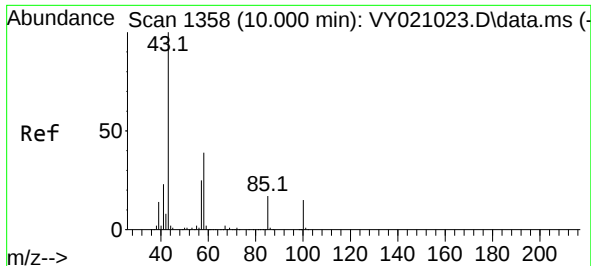
Tgt Ion: 98 Resp: 464866

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5

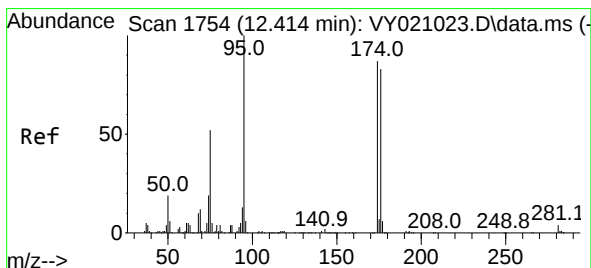
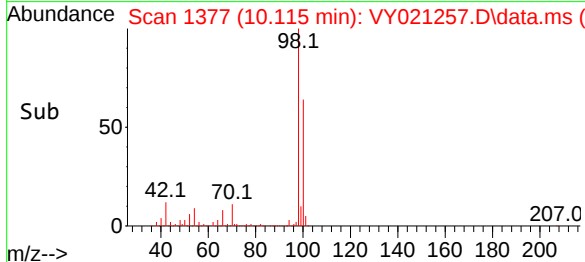
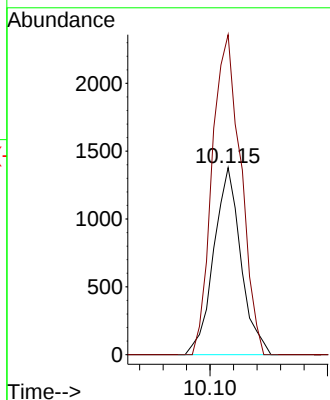
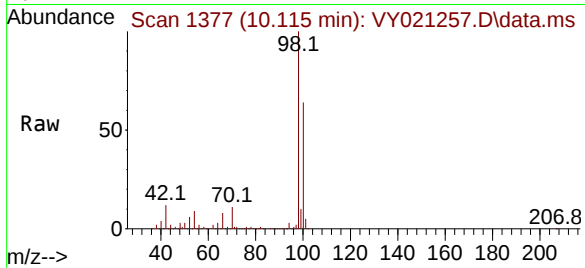




#51  
4-Methyl-2-Pentanone  
Concen: 1.407 ug/l  
RT: 10.115 min Scan# 1358  
Delta R.T. 0.116 min  
Lab File: VY021257.D  
Acq: 20 Feb 2025 18:16

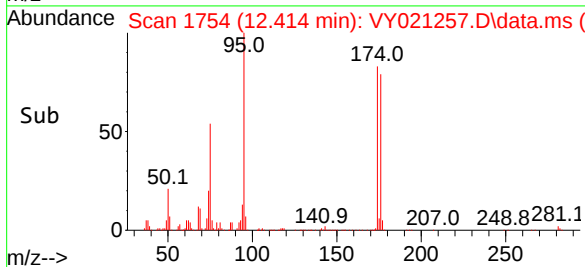
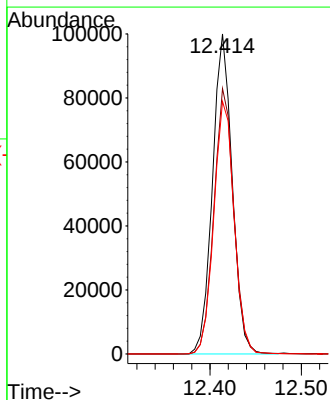
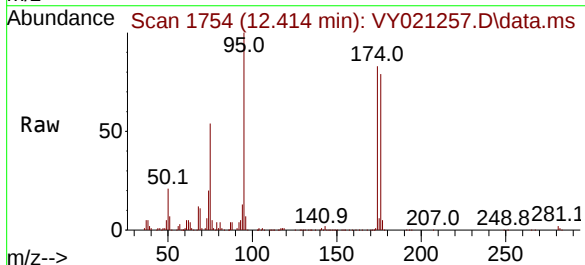
Instrument :  
MSVOA\_Y  
ClientSampleId :

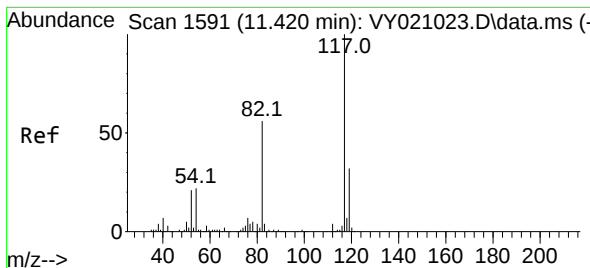
Tgt Ion: 43 Resp: 2215  
Ion Ratio Lower Upper  
43 100  
58 180.2 32.2 48.2#



#62  
4-Bromofluorobenzene  
Concen: 49.789 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.000 min  
Lab File: VY021257.D  
Acq: 20 Feb 2025 18:16

Tgt Ion: 95 Resp: 150154  
Ion Ratio Lower Upper  
95 100  
174 83.5 0.0 160.0  
176 81.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021257.D

Acq: 20 Feb 2025 18:16

Instrument :

MSVOA\_Y

ClientSampleId :

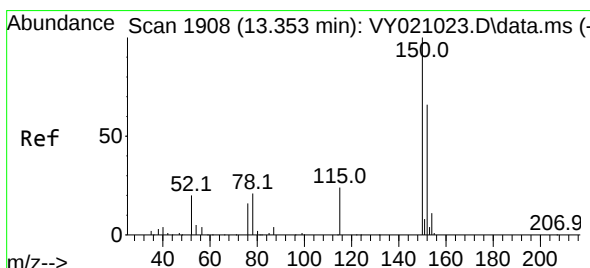
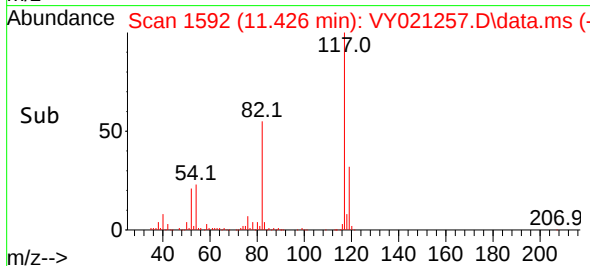
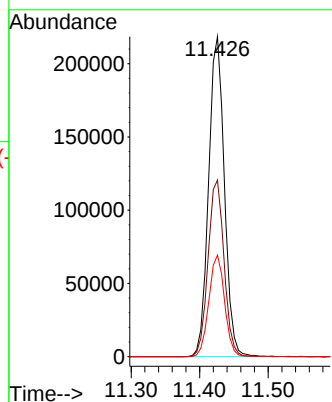
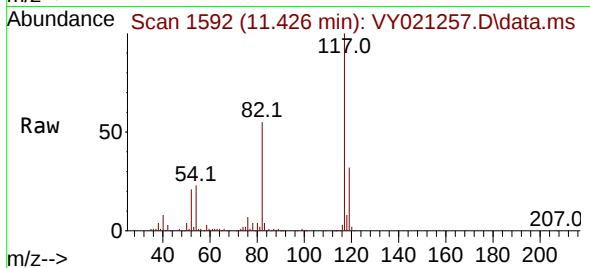
Tgt Ion:117 Resp: 350067

Ion Ratio Lower Upper

117 100

82 55.2 43.8 65.8

119 31.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021257.D

Acq: 20 Feb 2025 18:16

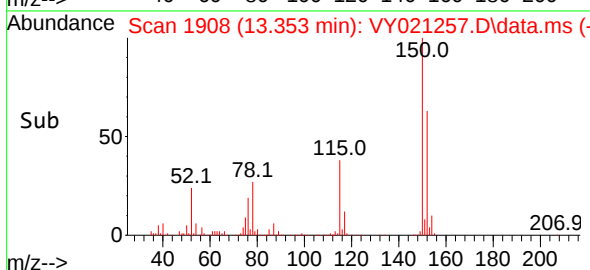
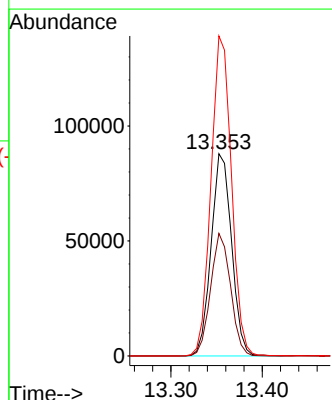
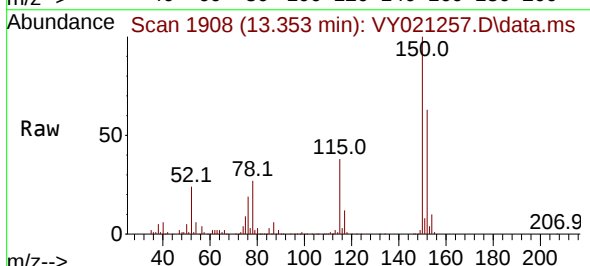
Tgt Ion:152 Resp: 136716

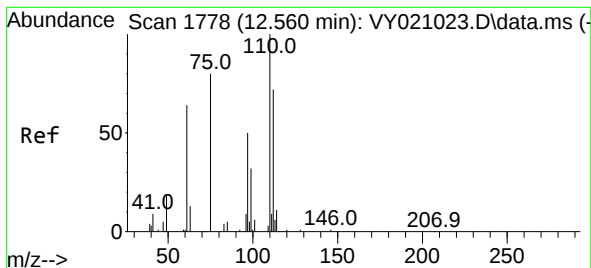
Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 158.1 0.0 344.6

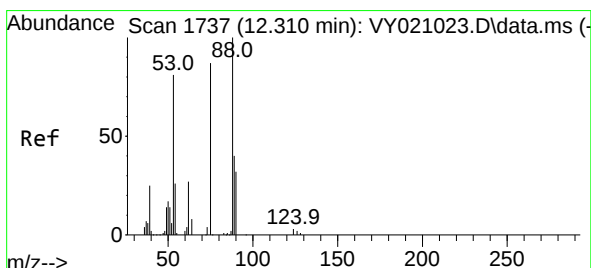
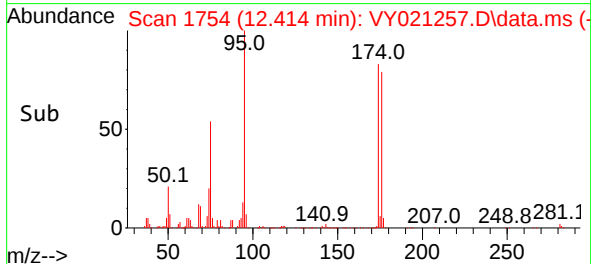
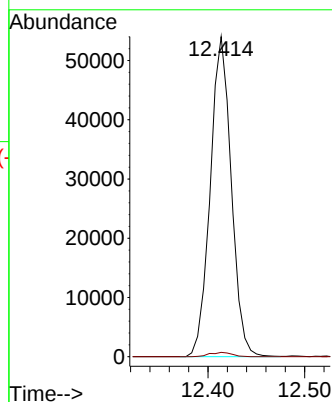
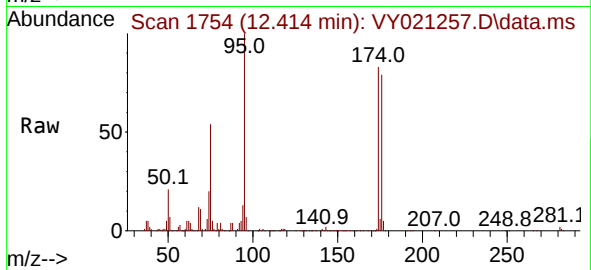




#76  
1,2,3-Trichloropropane  
Concen: 65.903 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.146 min  
Lab File: VY021257.D  
Acq: 20 Feb 2025 18:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 81732  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 134.474 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. 0.103 min  
Lab File: VY021257.D  
Acq: 20 Feb 2025 18:16

Tgt Ion: 75 Resp: 81732  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#

