

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112423\  
 Data File : VY016483.D  
 Acq On : 24 Nov 2023 14:42  
 Operator : SY/MD  
 Sample : 05516-03  
 Misc : 4.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 27 04:46:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

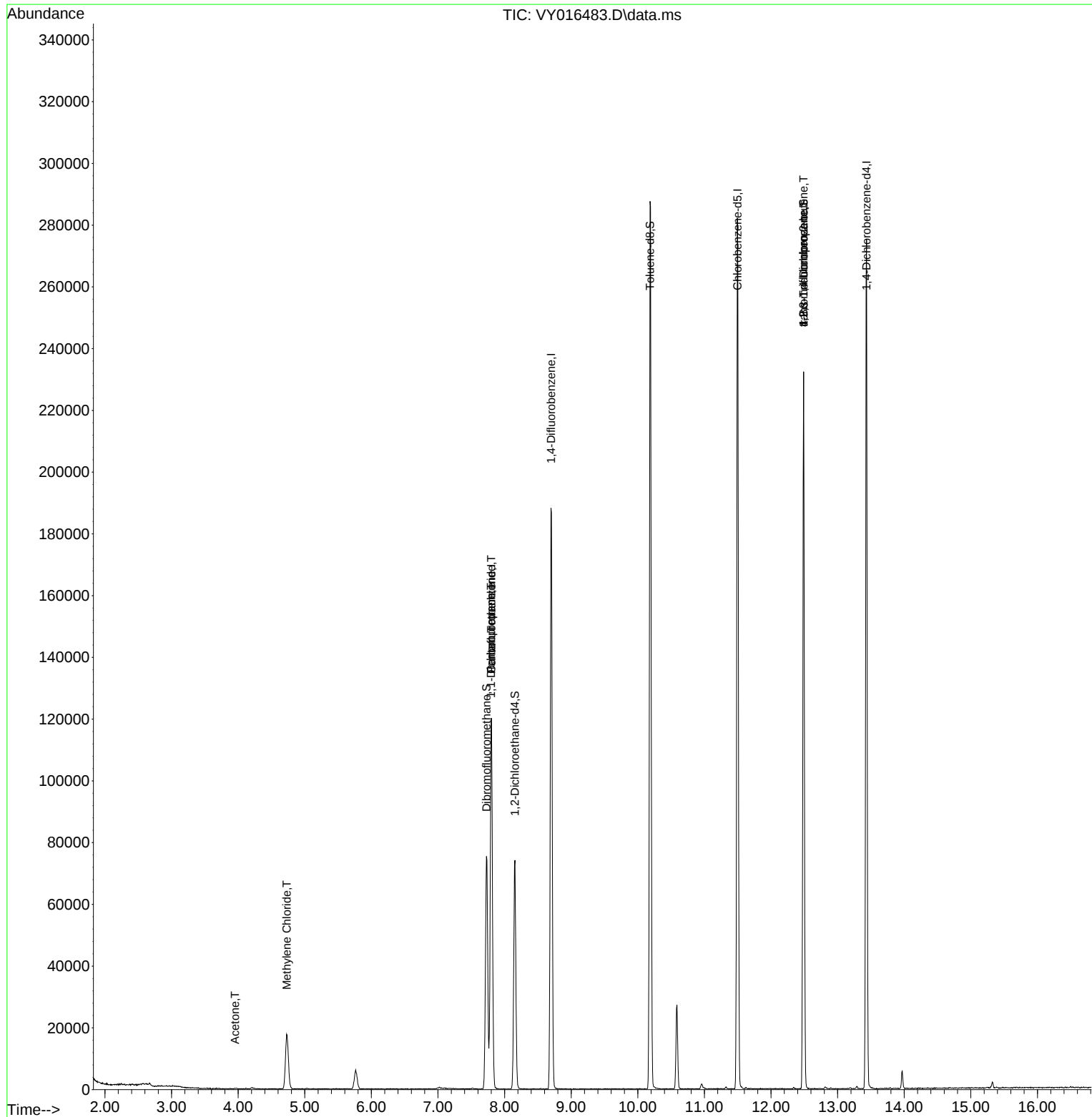
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 98997    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 171749   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 166625   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 75977    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 59183    | 65.410   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 130.820% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 55253    | 56.632   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 113.260% |          |
| 50) Toluene-d8                | 10.185 | 98    | 201013   | 50.807   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 101.620% |          |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 68516    | 53.320   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 106.640% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.954  | 43    | 366      | 2.445    | ug/l #     | 46       |
| 20) Methylene Chloride        | 4.728  | 84    | 14841    | 11.346   | ug/l #     | 82       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 6795     | 4.011    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 9182     | 5.222    | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 34328    | 47.100   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 34328    | 102.233  | ug/l #     | 11       |
| -----                         |        |       |          |          |            |          |

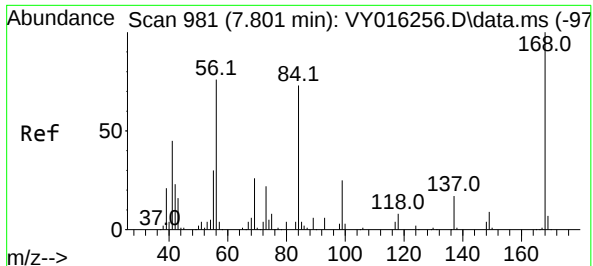
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

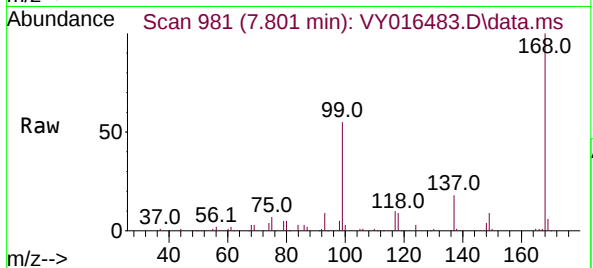
Quant Time: Nov 27 04:46:04 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration



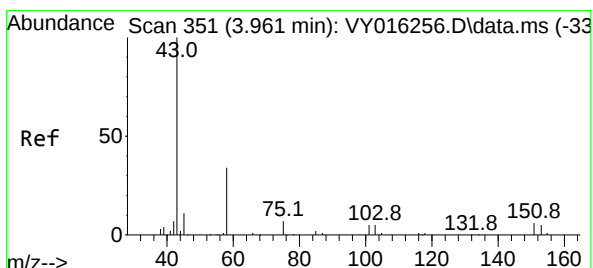
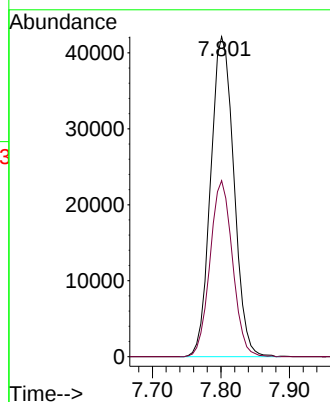
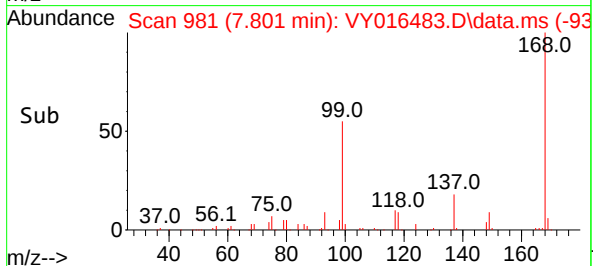


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016483.D  
Acq: 24 Nov 2023 14:42

Instrument :  
MSVOA\_Y  
ClientSampleId :

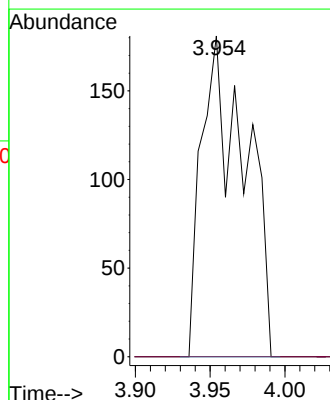
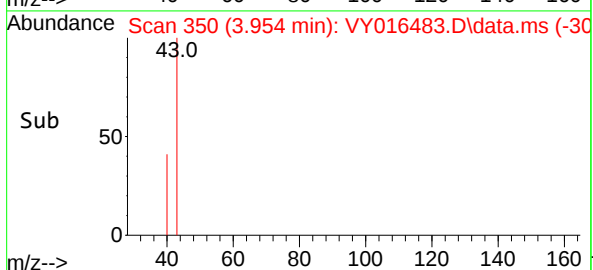
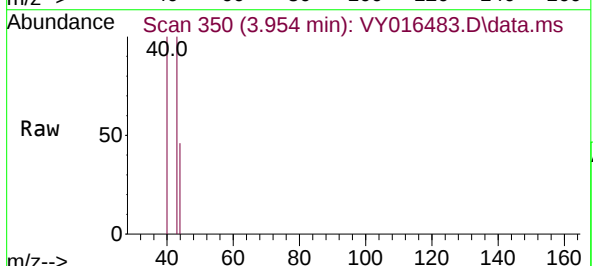


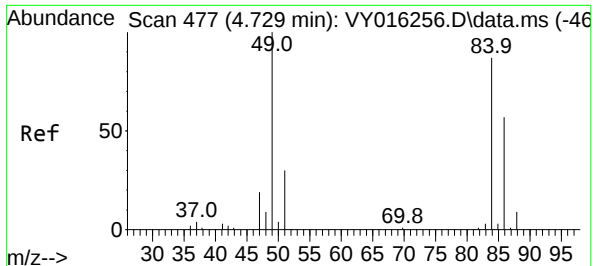
Tgt Ion:168 Resp: 98997  
Ion Ratio Lower Upper  
168 100  
99 55.0 43.4 65.0



#16  
Acetone  
Concen: 2.445 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY016483.D  
Acq: 24 Nov 2023 14:42

Tgt Ion: 43 Resp: 366  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.7 34.1#





#20

Methylene Chloride

Concen: 11.346 ug/l

RT: 4.728 min Scan# 41

Delta R.T. -0.001 min

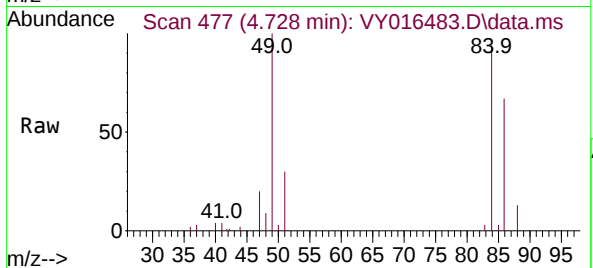
Lab File: VY016483.D

Acq: 24 Nov 2023 14:42

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 14841

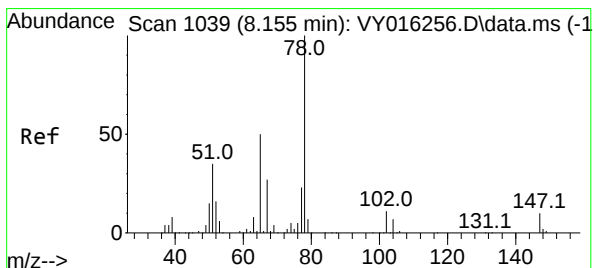
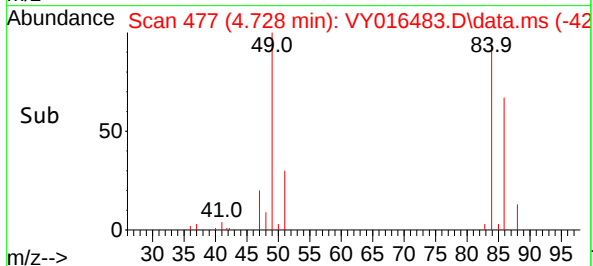
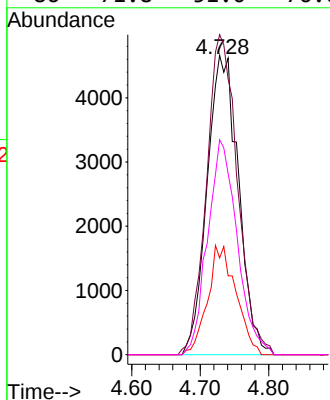
Ion Ratio Lower Upper

84 100

49 106.9 106.9 160.3

51 32.3 33.2 49.8#

86 71.8 51.0 76.6



#33

1,2-Dichloroethane-d4

Concen: 65.410 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016483.D

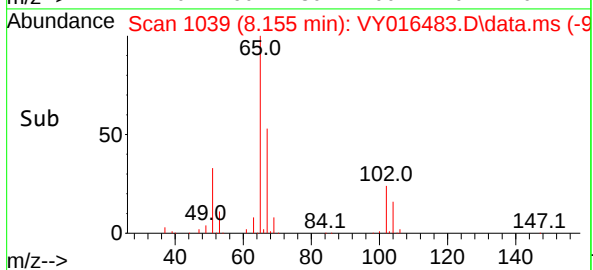
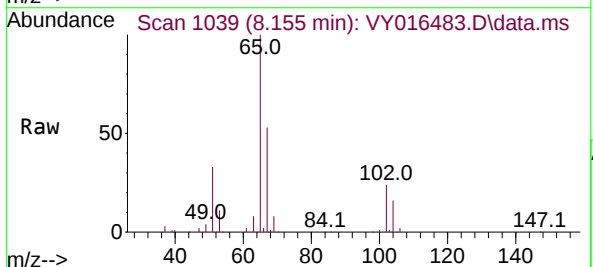
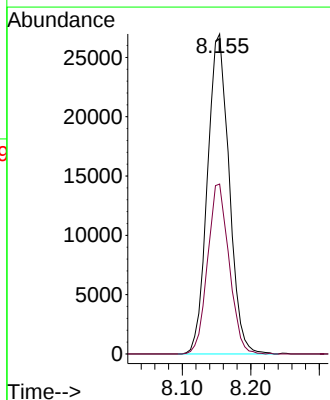
Acq: 24 Nov 2023 14:42

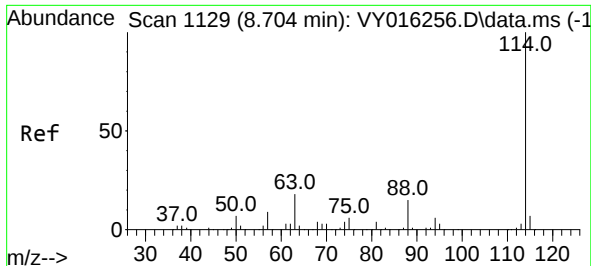
Tgt Ion: 65 Resp: 59183

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016483.D

Acq: 24 Nov 2023 14:42

Instrument :

MSVOA\_Y

ClientSampleId :

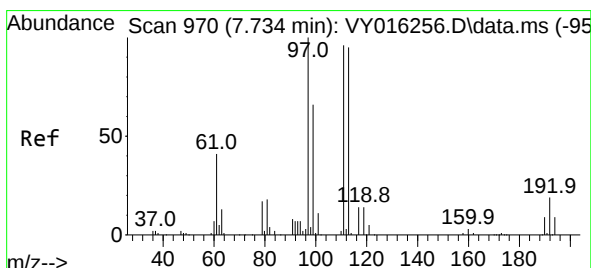
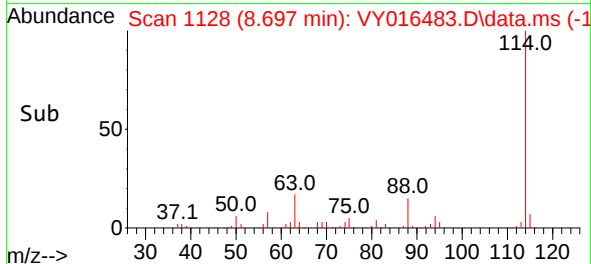
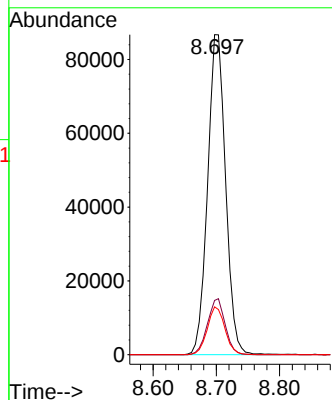
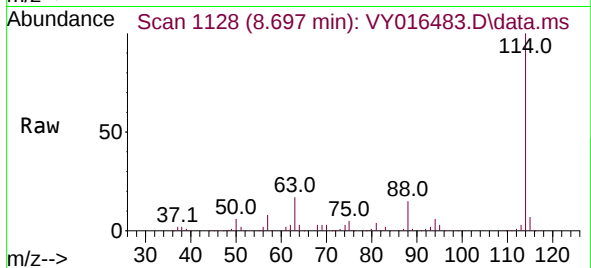
Tgt Ion:114 Resp: 171749

Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.632 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016483.D

Acq: 24 Nov 2023 14:42

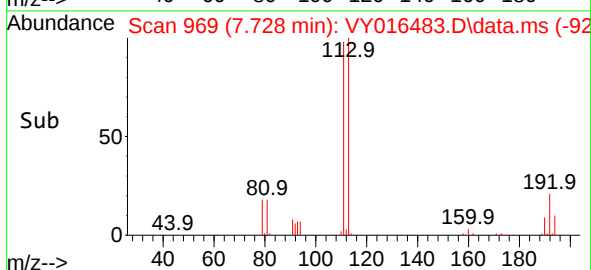
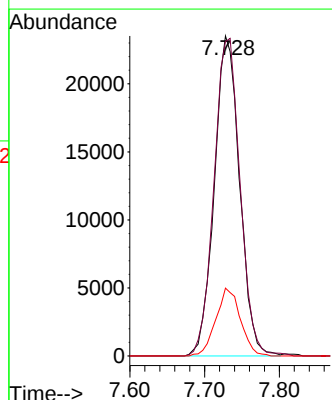
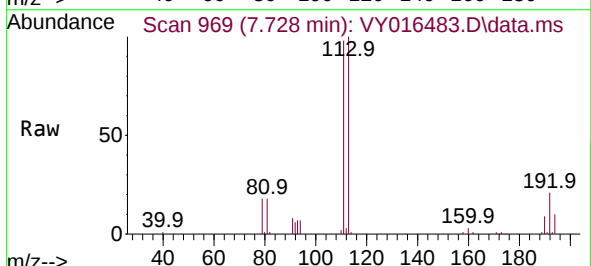
Tgt Ion:113 Resp: 55253

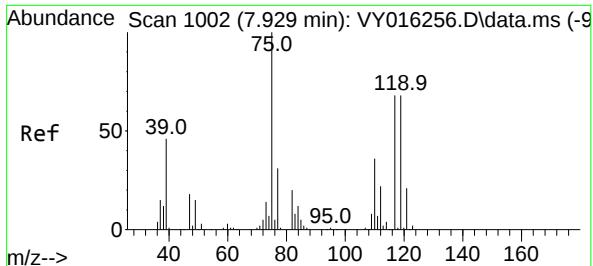
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 20.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.011 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY016483.D

Acq: 24 Nov 2023 14:42

Instrument :

MSVOA\_Y

ClientSampleId :

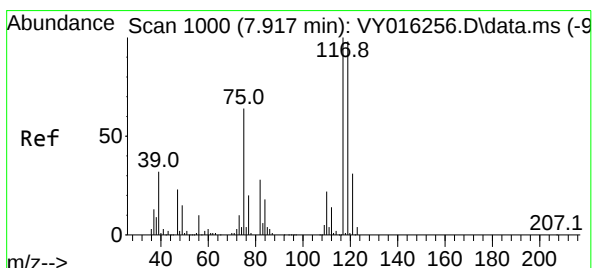
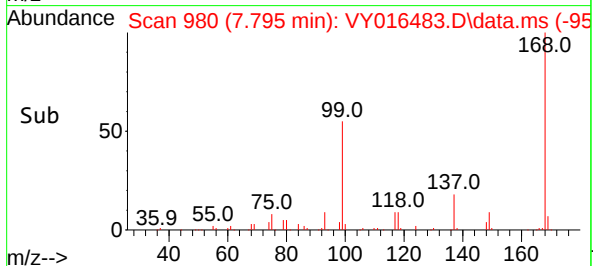
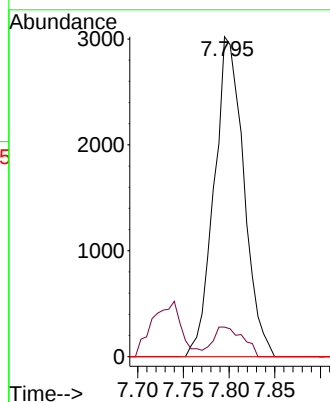
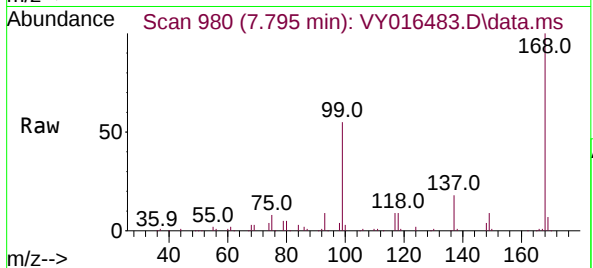
Tgt Ion: 75 Resp: 6795

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.222 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY016483.D

Acq: 24 Nov 2023 14:42

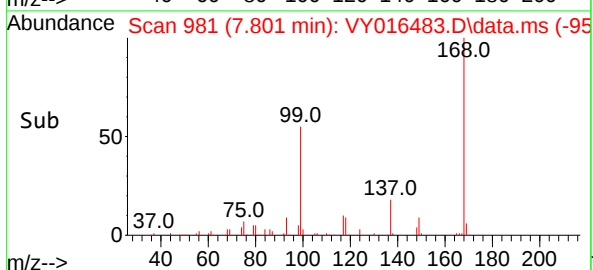
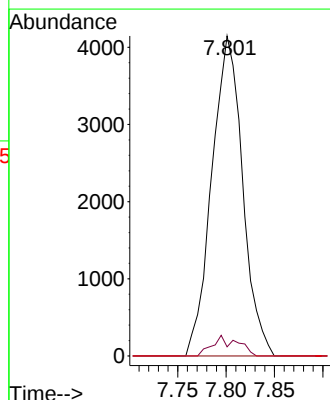
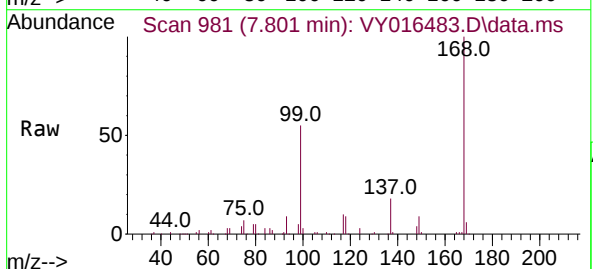
Tgt Ion: 117 Resp: 9182

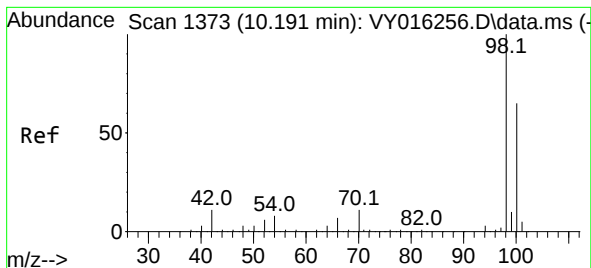
Ion Ratio Lower Upper

117 100

119 2.8 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.807 ug/l

RT: 10.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016483.D

Acq: 24 Nov 2023 14:42

Instrument :

MSVOA\_Y

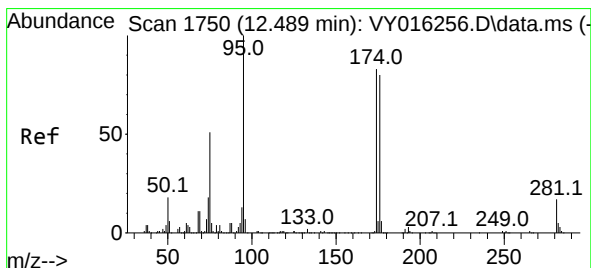
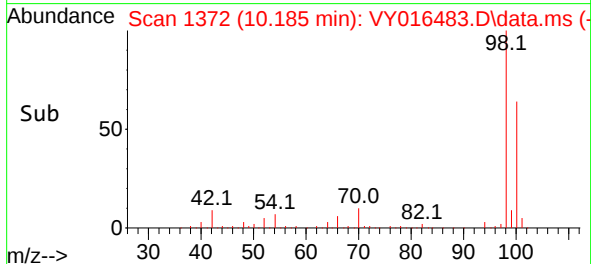
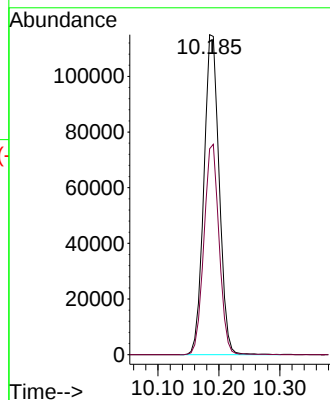
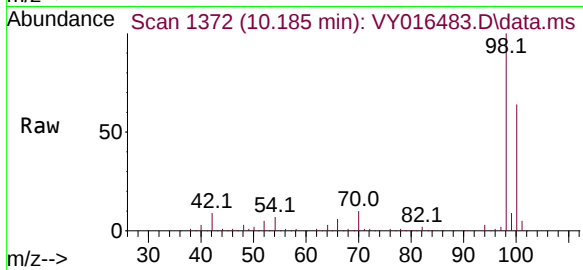
ClientSampleId :

Tgt Ion: 98 Resp: 201013

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.320 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016483.D

Acq: 24 Nov 2023 14:42

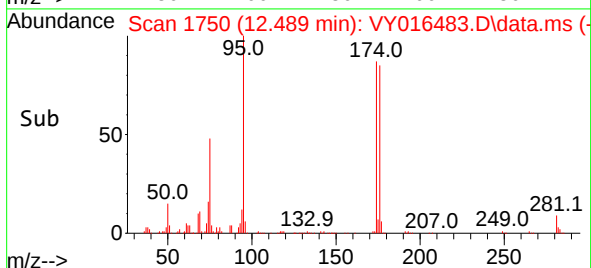
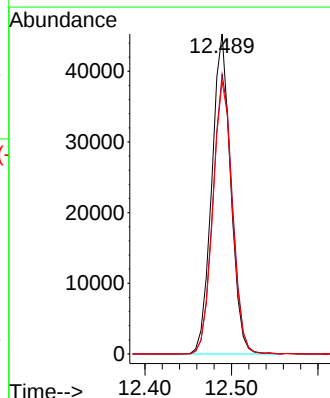
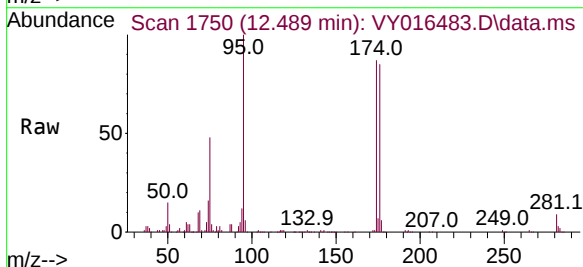
Tgt Ion: 95 Resp: 68516

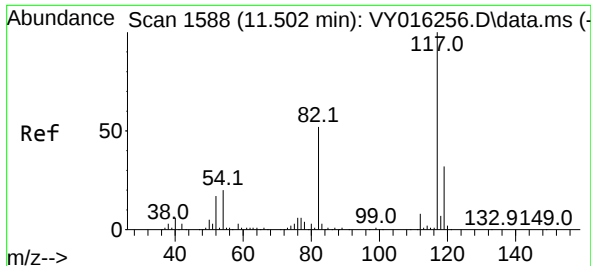
Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.2

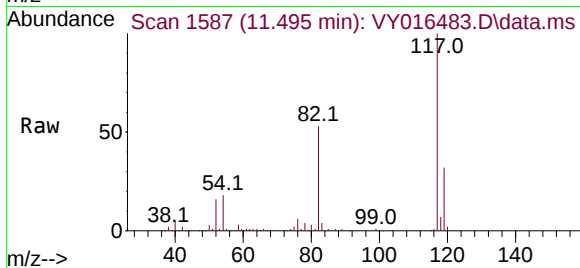
176 87.4 0.0 173.8



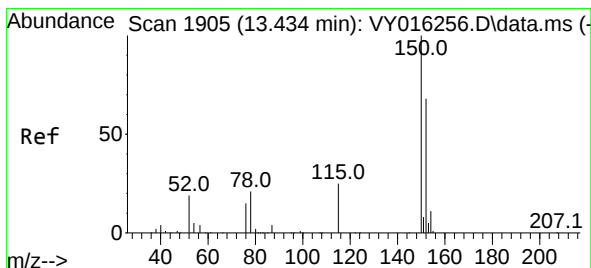
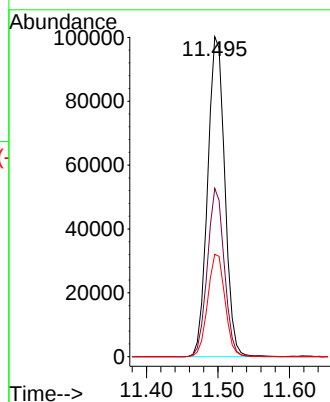
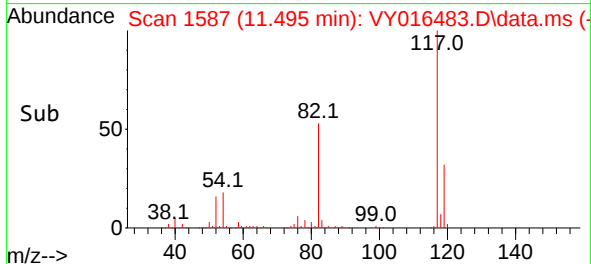


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016483.D  
Acq: 24 Nov 2023 14:42

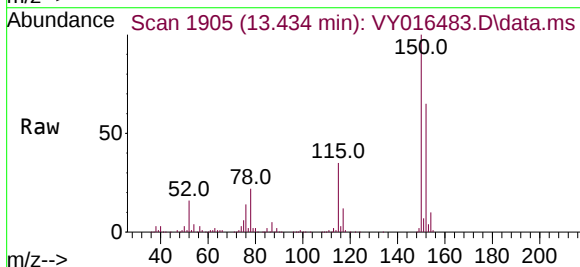
Instrument :  
MSVOA\_Y  
ClientSampleId :



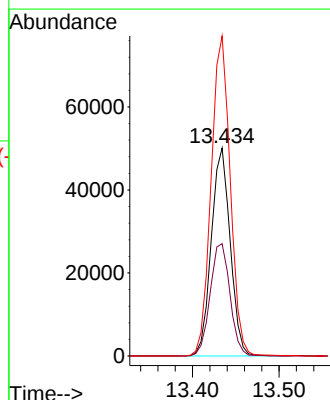
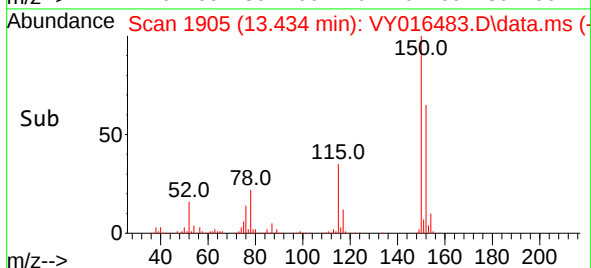
Tgt Ion:117 Resp: 166625  
Ion Ratio Lower Upper  
117 100  
82 52.6 43.4 65.0  
119 32.0 26.3 39.5

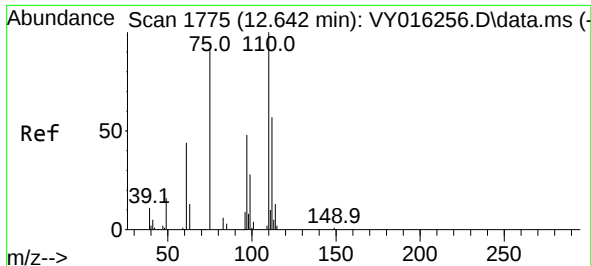


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. -0.000 min  
Lab File: VY016483.D  
Acq: 24 Nov 2023 14:42



Tgt Ion:152 Resp: 75977  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.8 86.5  
150 155.6 0.0 348.8

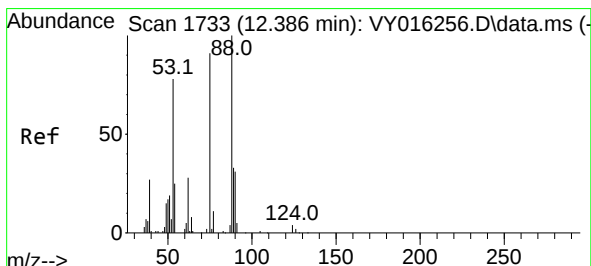
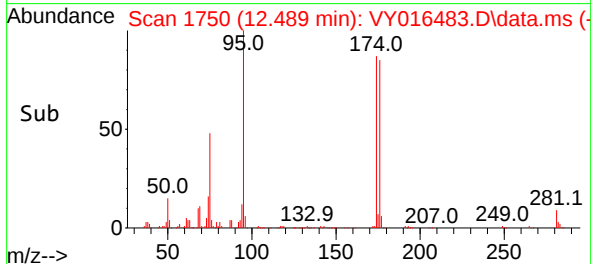
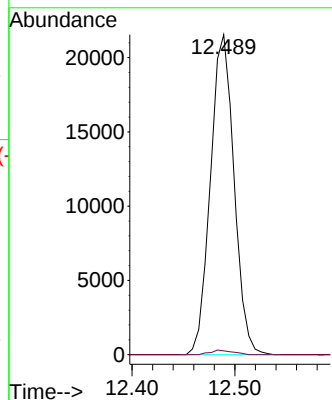
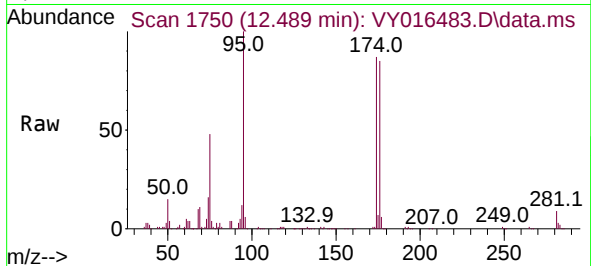




#76  
1,2,3-Trichloropropane  
Concen: 47.100 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.153 min  
Lab File: VY016483.D  
Acq: 24 Nov 2023 14:42

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 34328  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.233 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.103 min  
Lab File: VY016483.D  
Acq: 24 Nov 2023 14:42

Tgt Ion: 75 Resp: 34328  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.2 37.4 56.0#

