

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100424\  
 Data File : VY019793.D  
 Acq On : 04 Oct 2024 11:55  
 Operator : SY/MD  
 Sample : VY1004SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 04 23:28:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

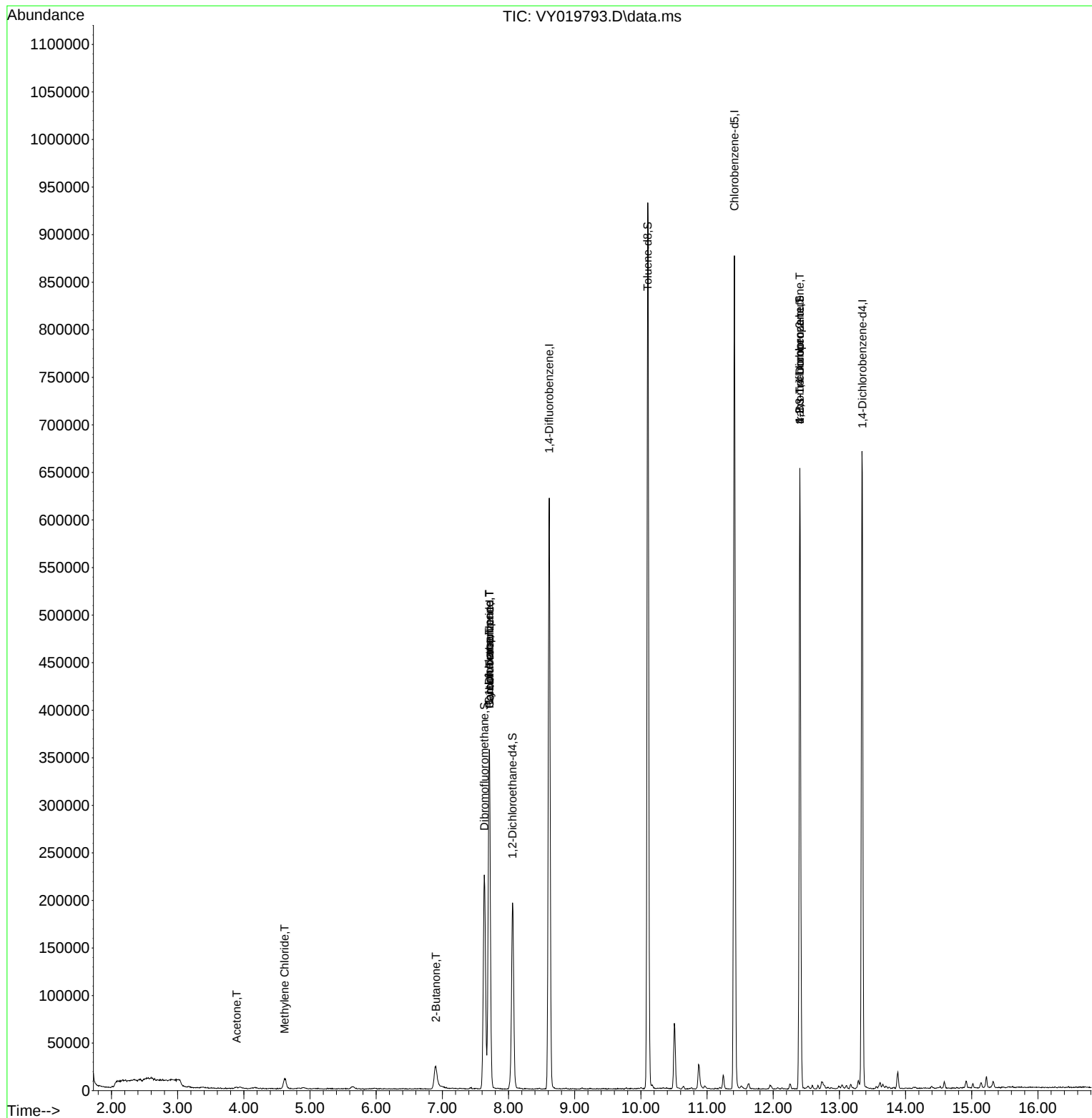
| Compound                      | R.T.   | QIon | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|----------|----------|
| -----                         |        |      |          |           |          |          |
| Internal Standards            |        |      |          |           |          |          |
| 1) Pentafluorobenzene         | 7.713  | 168  | 265255   | 50.000    | ug/l     | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616  | 114  | 509544   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117  | 451949   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347 | 152  | 162869   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65   | 154585   | 62.937    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 125.880% |          |
| 35) Dibromofluoromethane      | 7.634  | 113  | 160626   | 55.599    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 111.200% |          |
| 50) Toluene-d8                | 10.103 | 98   | 597214   | 55.888    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 111.780% |          |
| 62) 4-Bromofluorobenzene      | 12.402 | 95   | 192832   | 46.932    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 93.860%  |          |
| Target Compounds              |        |      |          |           |          |          |
|                               |        |      |          |           | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.861  | 85   | 80       | Below Cal | #        | 43       |
| 16) Acetone                   | 3.891  | 43   | 3182     | 5.438     | ug/l #   | 85       |
| 20) Methylene Chloride        | 4.616  | 84   | 7590     | 2.844     | ug/l #   | 89       |
| 25) 2-Butanone                | 6.903  | 43   | 1807     | 2.171     | ug/l #   | 56       |
| 31) Cyclohexane               | 7.707  | 56   | 6907     | 1.571     | ug/l #   | 45       |
| 36) 1,1-Dichloropropene       | 7.707  | 75   | 23479    | 5.973     | ug/l #   | 48       |
| 38) Carbon Tetrachloride      | 7.713  | 117  | 29023    | 6.547     | ug/l #   | 15       |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75   | 103966   | 68.105    | ug/l #   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75   | 103966   | 130.742   | ug/l #   | 16       |
| -----                         |        |      |          |           |          |          |

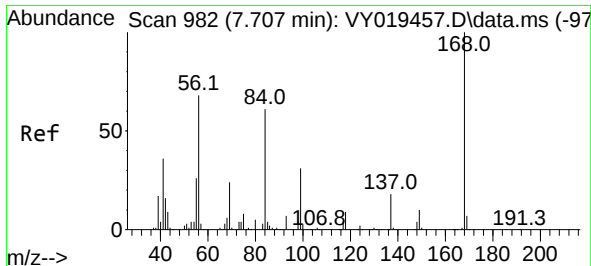
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100424\  
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Sample : VY1004SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 04 23:28:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration

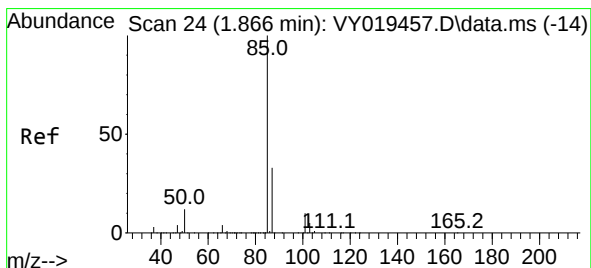
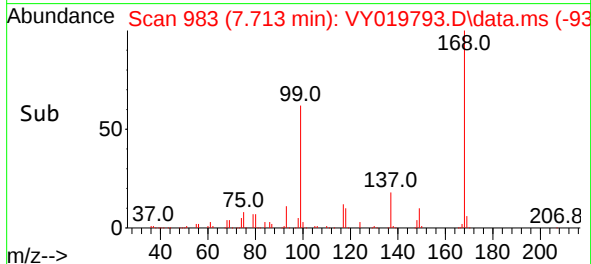
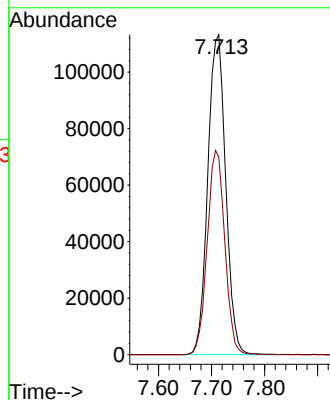
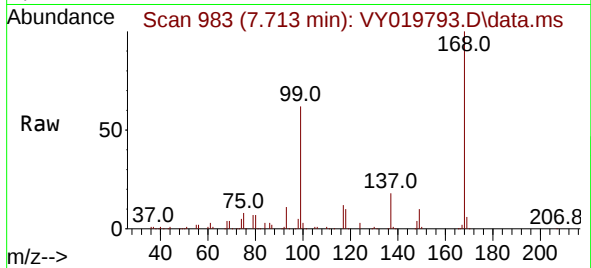




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

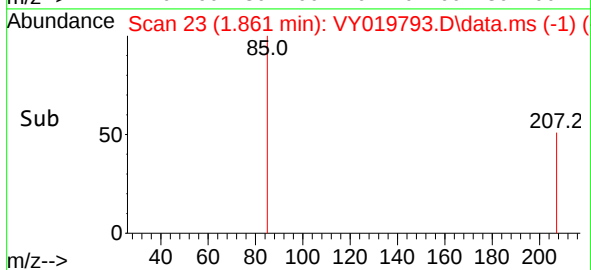
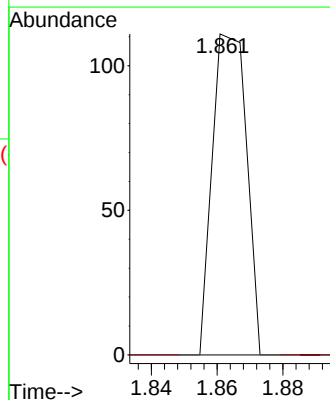
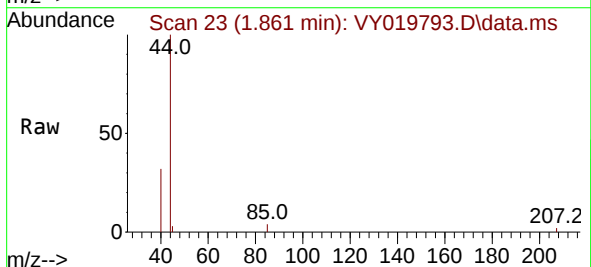
Instrument :  
MSVOA\_Y  
ClientSampleId :

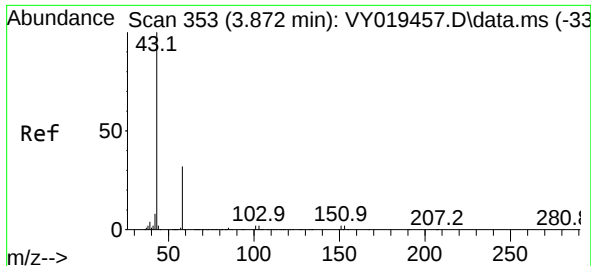
Tgt Ion:168 Resp: 265255  
Ion Ratio Lower Upper  
168 100  
99 61.7 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.861 min Scan# 23  
Delta R.T. -0.005 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

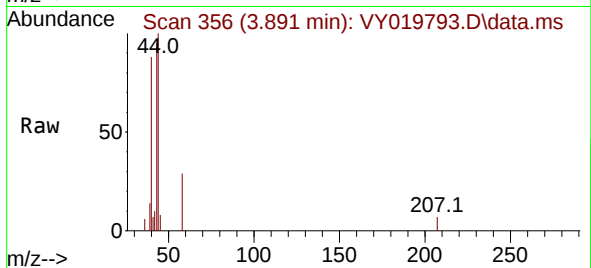
Tgt Ion: 85 Resp: 80  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.0 48.0#



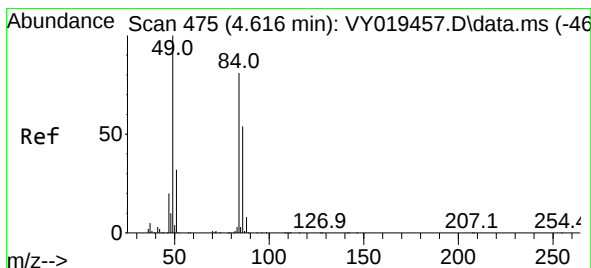
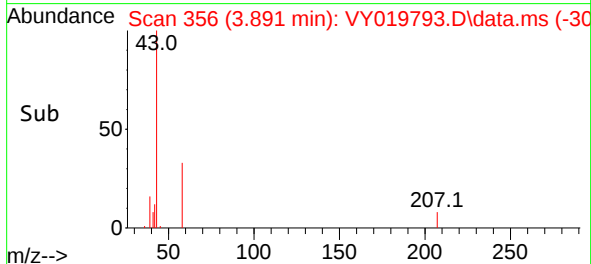
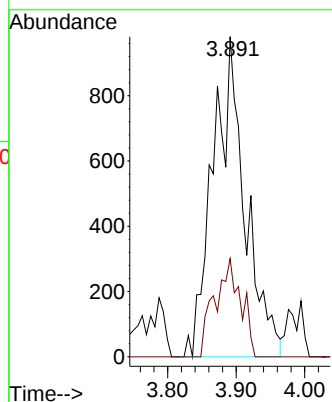


#16  
Acetone  
Concen: 5.438 ug/l  
RT: 3.891 min Scan# 3182  
Delta R.T. 0.019 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

Instrument :  
MSVOA\_Y  
ClientSampleId :

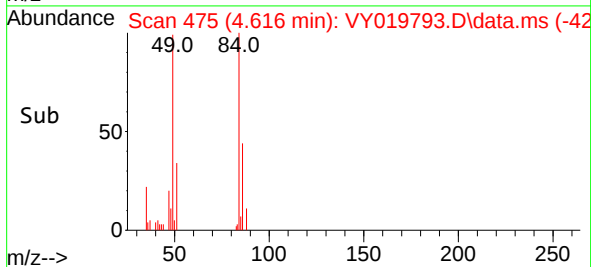
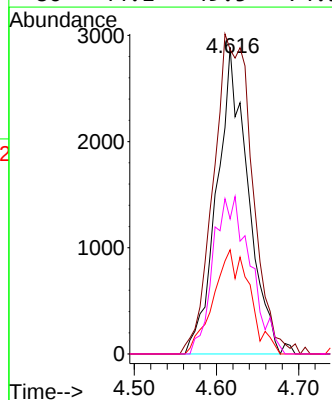
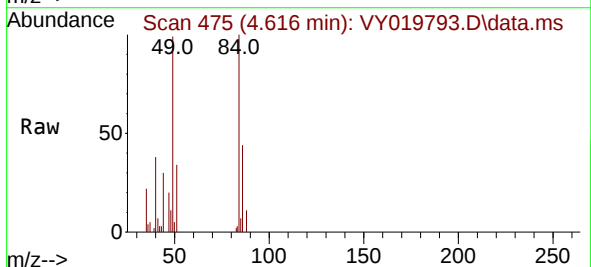


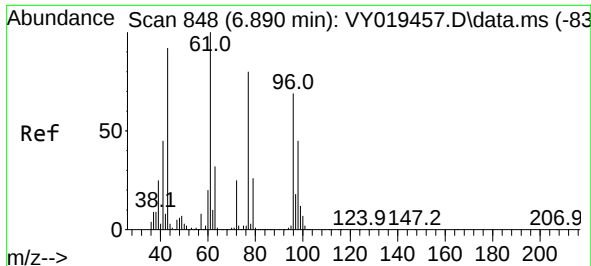
Tgt Ion: 43 Resp: 3182  
Ion Ratio Lower Upper  
43 100  
58 30.7 31.7 47.5#



#20  
Methylene Chloride  
Concen: 2.844 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

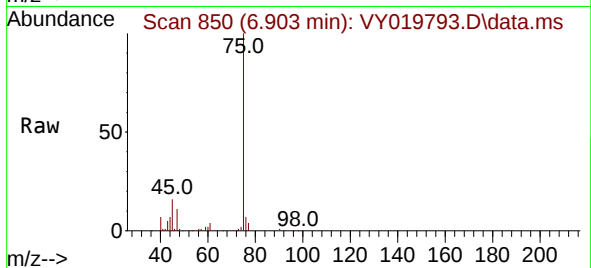
Tgt Ion: 84 Resp: 7590  
Ion Ratio Lower Upper  
84 100  
49 99.3 84.4 126.6  
51 34.0 26.0 39.0  
86 44.1 49.5 74.3#



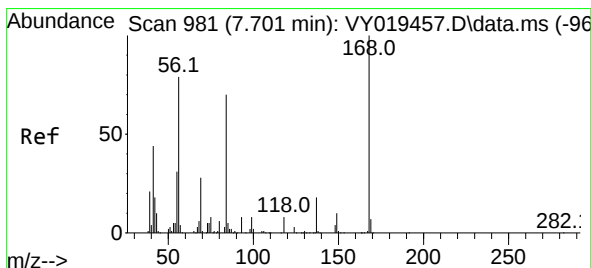
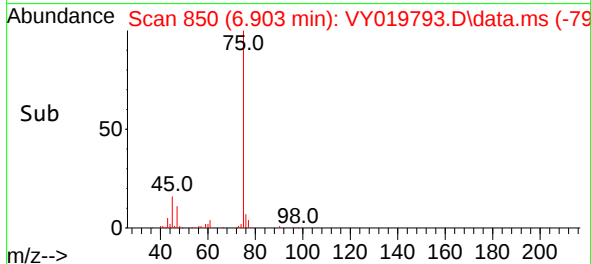
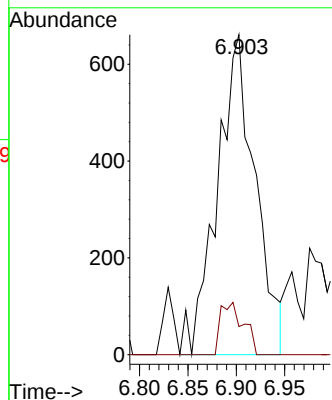


#25  
2-Butanone  
Concen: 2.171 ug/l  
RT: 6.903 min Scan# 848  
Delta R.T. 0.013 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

Instrument :  
MSVOA\_Y  
ClientSampleId :

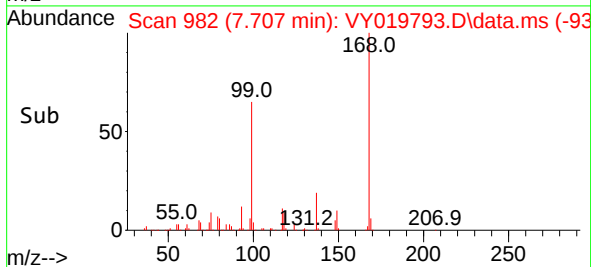
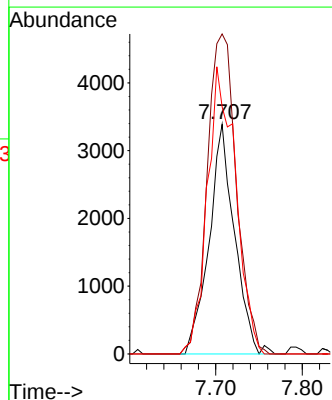
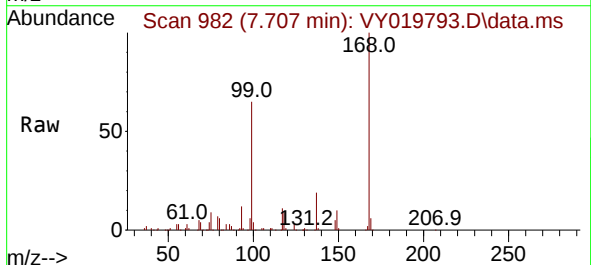


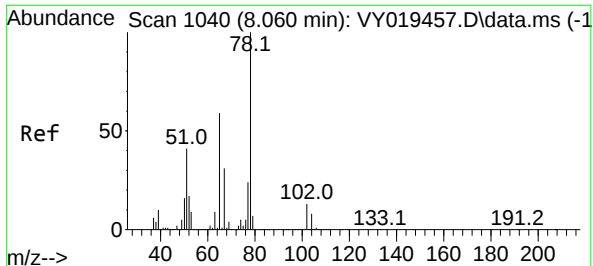
Tgt Ion: 43 Resp: 1807  
Ion Ratio Lower Upper  
43 100  
72 8.8 27.3 40.9#



#31  
Cyclohexane  
Concen: 1.571 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.007 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

Tgt Ion: 56 Resp: 6907  
Ion Ratio Lower Upper  
56 100  
69 139.4 28.7 43.1#  
84 107.6 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 62.937 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019793.D

Acq: 04 Oct 2024 11:55

Instrument :

MSVOA\_Y

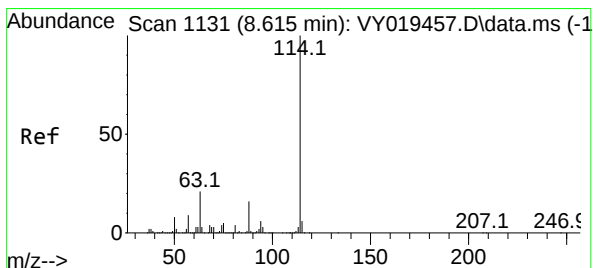
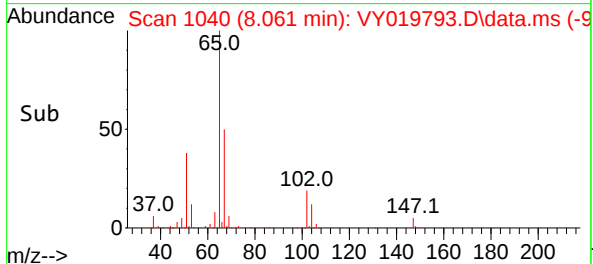
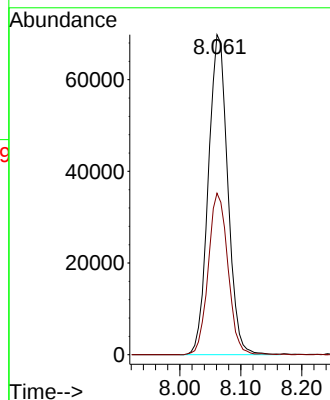
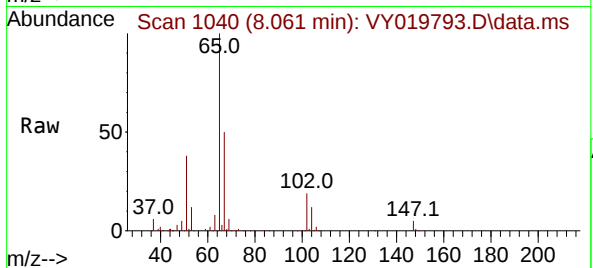
ClientSampleId :

Tgt Ion: 65 Resp: 154585

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019793.D

Acq: 04 Oct 2024 11:55

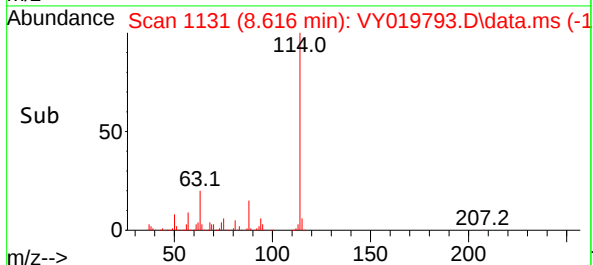
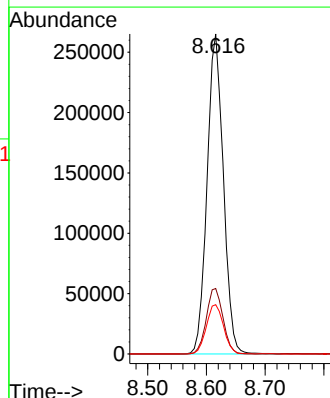
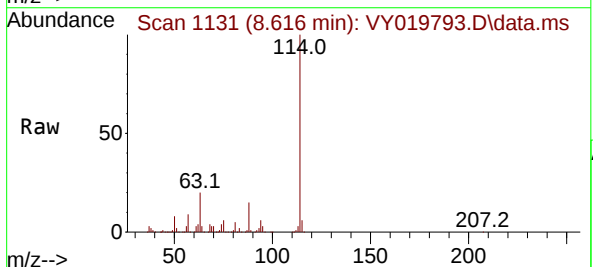
Tgt Ion: 114 Resp: 509544

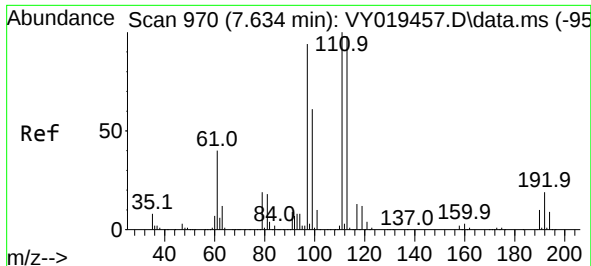
Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

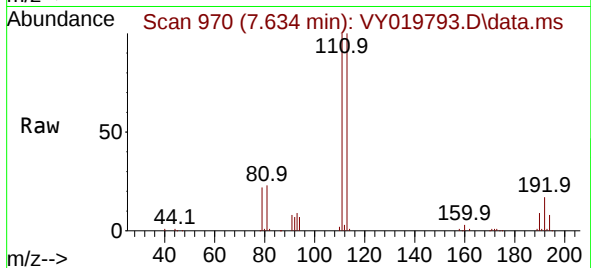
88 15.4 0.0 27.2



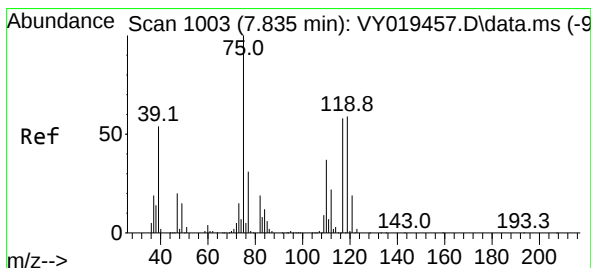
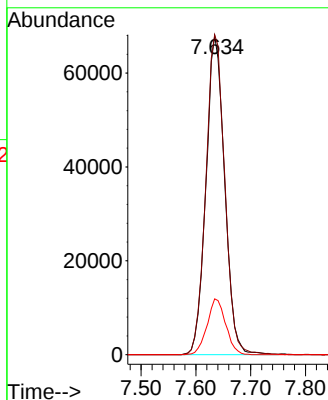
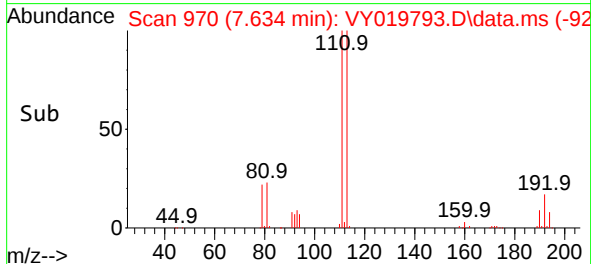


#35  
Dibromofluoromethane  
Concen: 55.599 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

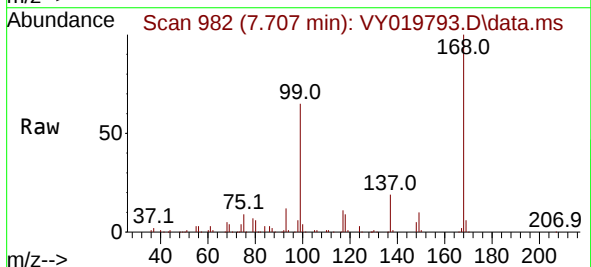
Instrument :  
MSVOA\_Y  
ClientSampleId :



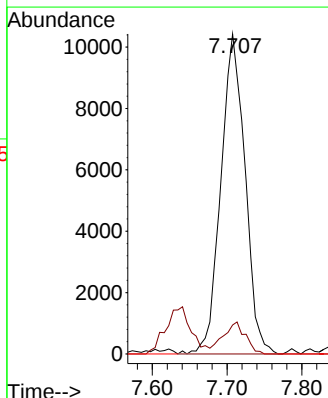
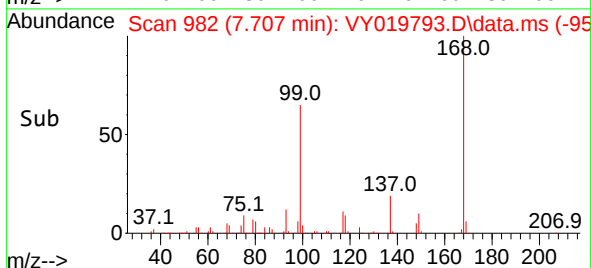
Tgt Ion:113 Resp: 160626  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.2 123.4  
192 17.4 15.9 23.9

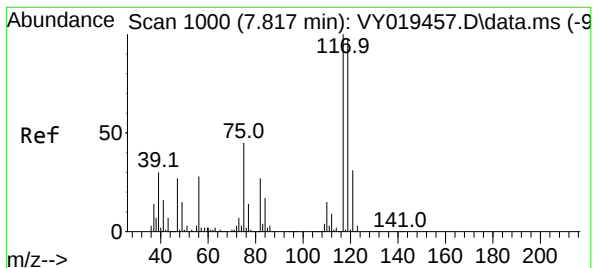


#36  
1,1-Dichloropropene  
Concen: 5.973 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55



Tgt Ion: 75 Resp: 23479  
Ion Ratio Lower Upper  
75 100  
110 9.1 19.0 57.0#  
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.547 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.103 min

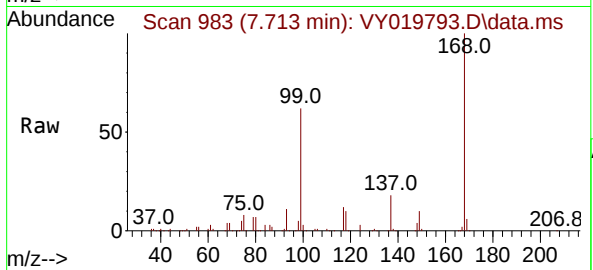
Lab File: VY019793.D

Acq: 04 Oct 2024 11:55

Instrument :

MSVOA\_Y

ClientSampleId :



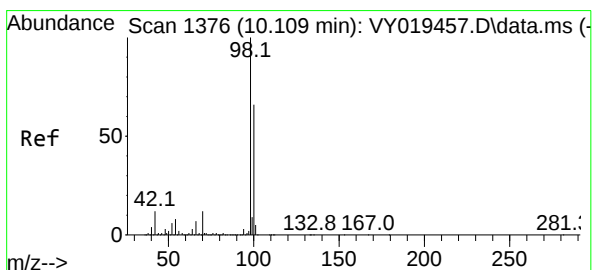
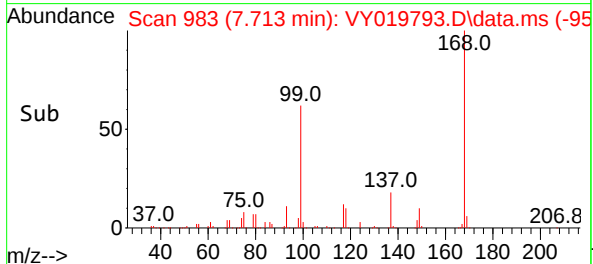
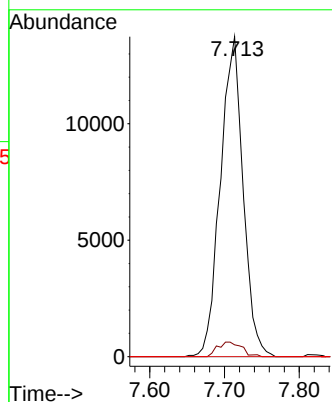
Tgt Ion:117 Resp: 29023

Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 55.888 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019793.D

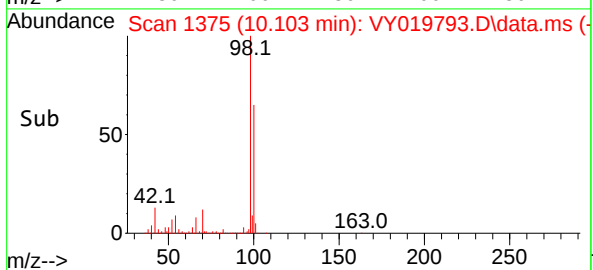
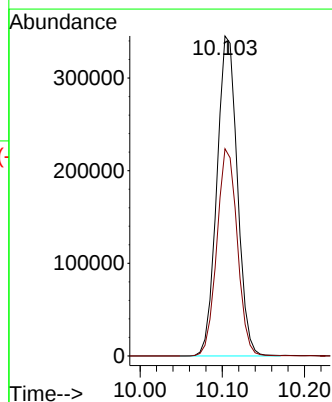
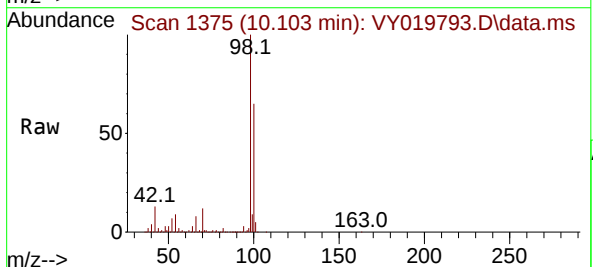
Acq: 04 Oct 2024 11:55

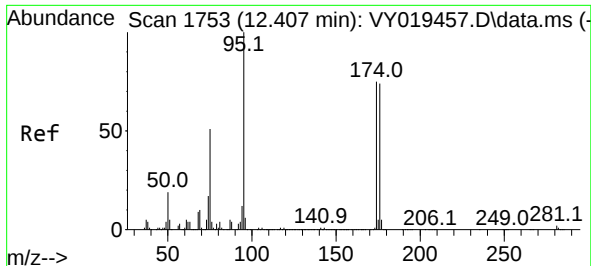
Tgt Ion: 98 Resp: 597214

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

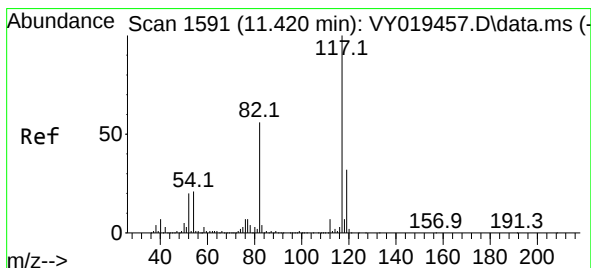
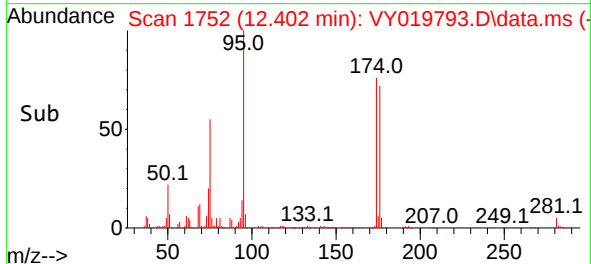
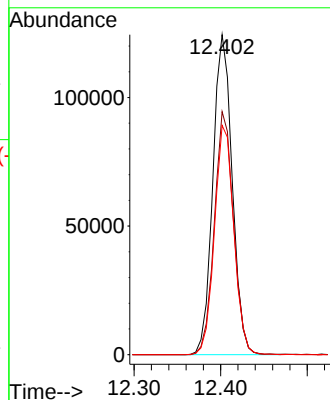
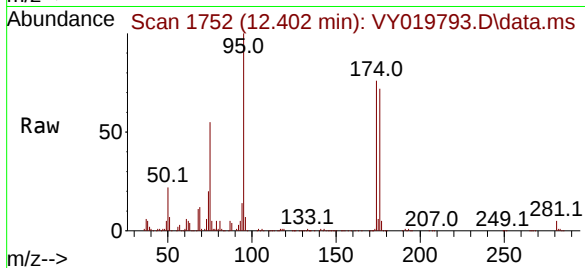




#62  
4-Bromofluorobenzene  
Concen: 46.932 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

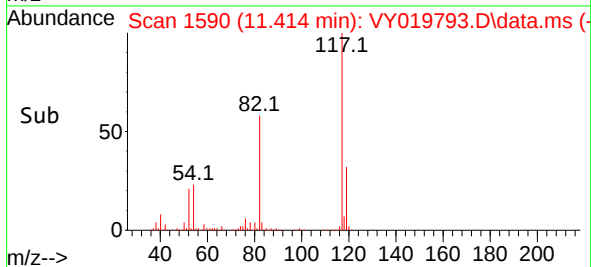
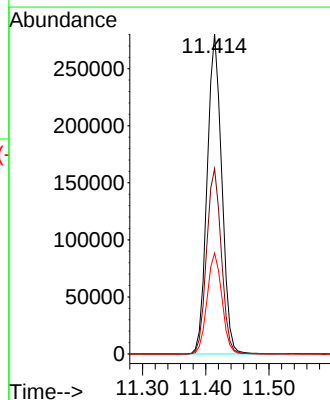
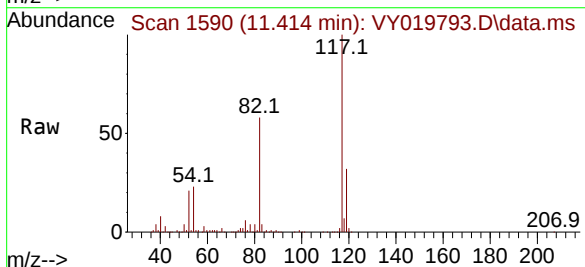
Instrument :  
MSVOA\_Y  
ClientSampleId :

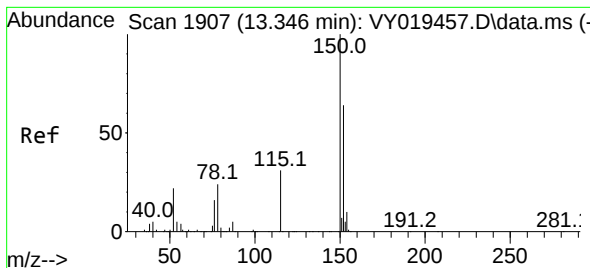
Tgt Ion: 95 Resp: 192832  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 175.6  
176 71.7 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019793.D  
Acq: 04 Oct 2024 11:55

Tgt Ion: 117 Resp: 451949  
Ion Ratio Lower Upper  
117 100  
82 57.9 42.4 63.6  
119 31.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019793.D

Acq: 04 Oct 2024 11:55

Instrument :

MSVOA\_Y

ClientSampleId :

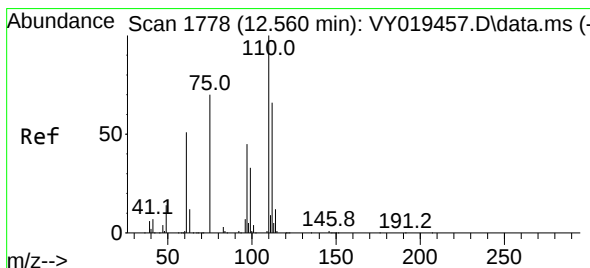
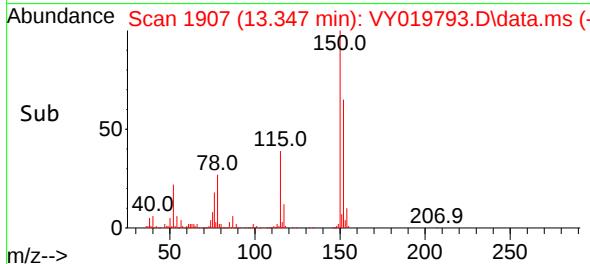
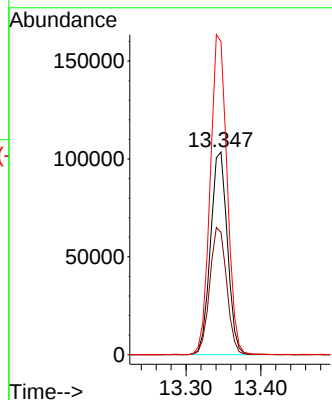
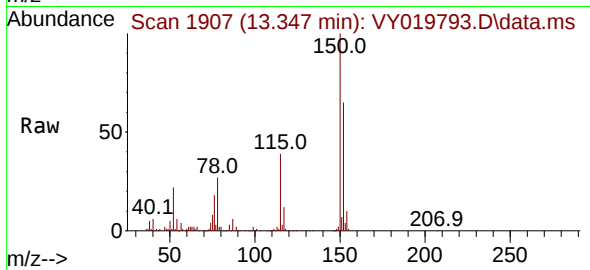
Tgt Ion:152 Resp: 162869

Ion Ratio Lower Upper

152 100

115 63.0 28.2 84.7

150 157.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.105 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019793.D

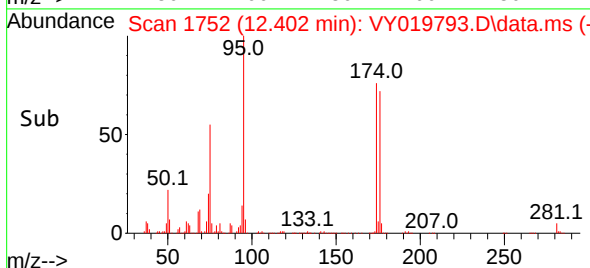
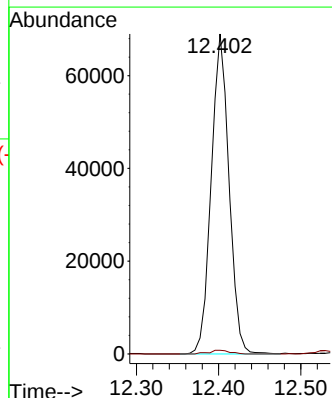
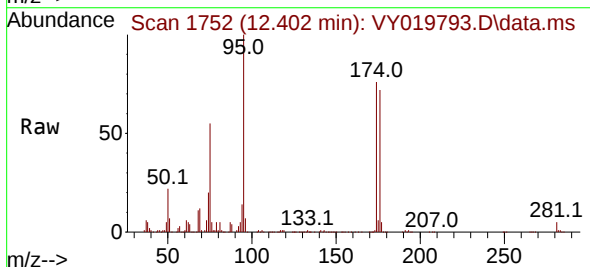
Acq: 04 Oct 2024 11:55

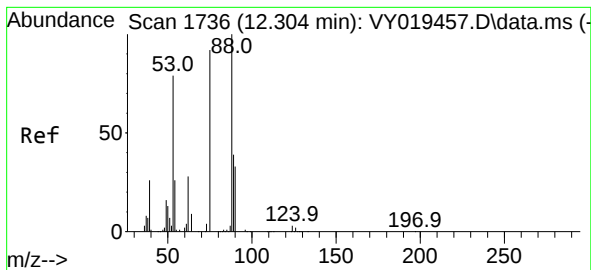
Tgt Ion: 75 Resp: 103966

Ion Ratio Lower Upper

75 100

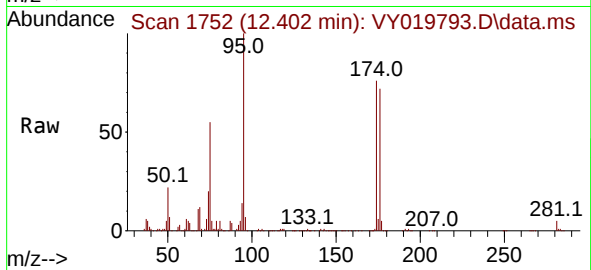
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 130.742 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY019793.D  
 Acq: 04 Oct 2024 11:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 103966  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.2 35.8 53.6#

