

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021224\  
 Data File : VX040192.D  
 Acq On : 12 Feb 2024 12:20  
 Operator : JC/MD  
 Sample : P1379-01DL 4X  
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE137-CARBON-20240205DL

Quant Time: Feb 12 14:22:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

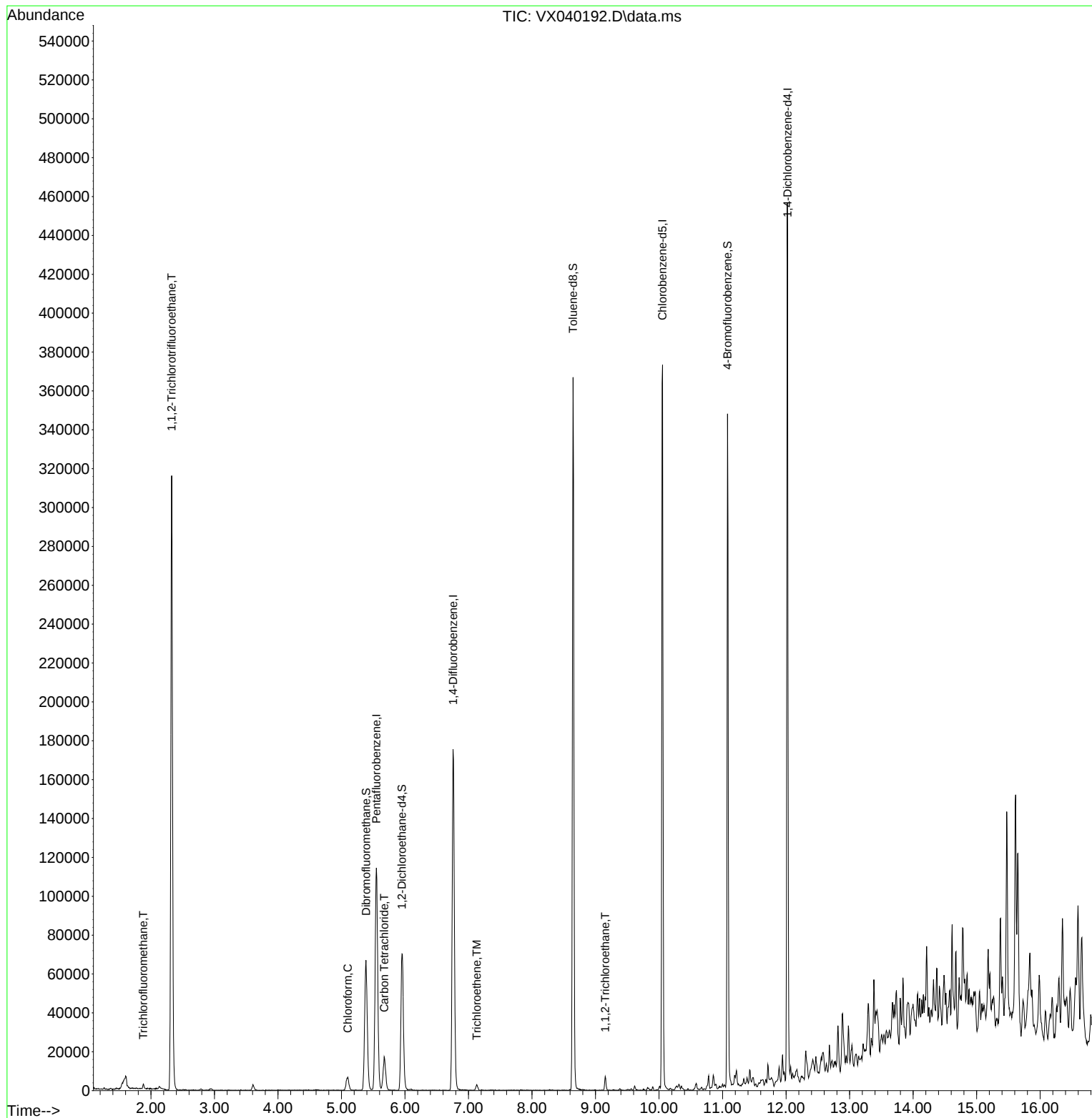
| Compound                     | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|------------------------------|----------------|------|------------|----------|-------|----------|
| -----                        |                |      |            |          |       |          |
| Internal Standards           |                |      |            |          |       |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 107681     | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 177733     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 168098     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 90009      | 50.000   | ug/l  | 0.00     |
|                              |                |      |            |          |       |          |
| System Monitoring Compounds  |                |      |            |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 73181      | 45.682   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 91.360%  |       |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 56078      | 45.181   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 90.360%  |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 212695     | 45.811   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 91.620%# |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 88193      | 46.575   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 93.160%  |       |          |
|                              |                |      |            |          |       |          |
| Target Compounds             |                |      |            |          |       | Qvalue   |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 1405       | 0.660    | ug/l  | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 123837     | 108.455  | ug/l  | 97       |
| 30) Chloroform               | 5.099          | 83   | 8266       | 3.392    | ug/l  | 92       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 14514      | 8.780    | ug/l  | 92       |
| 44) Trichloroethene          | 7.129          | 130  | 1172       | 0.874    | ug/l  | 85       |
| 55) 1,1,2-Trichloroethane    | 9.153          | 97   | 2024       | 1.490    | ug/l  | 91       |
| -----                        |                |      |            |          |       |          |

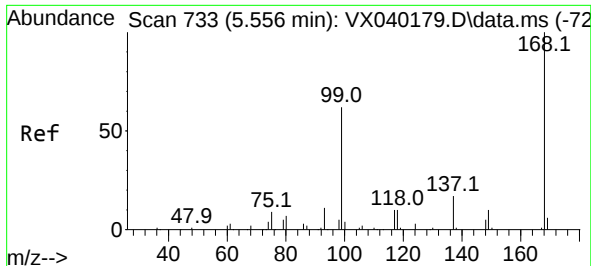
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021224\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-CARBON-20240205DL

Quant Time: Feb 12 14:22:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 12 00:21:14 2024  
Response via : Initial Calibration

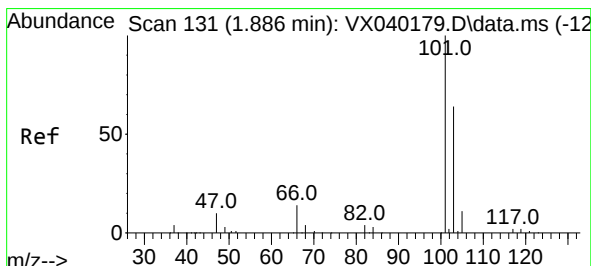
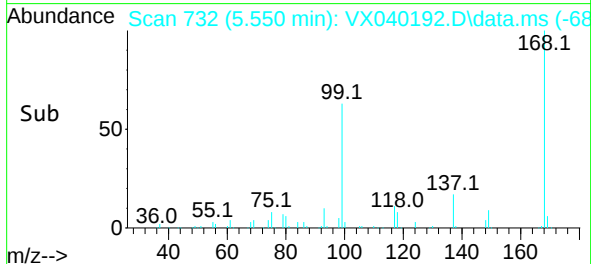
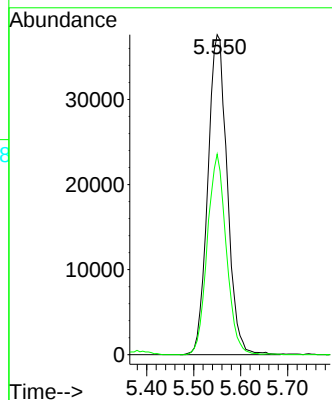
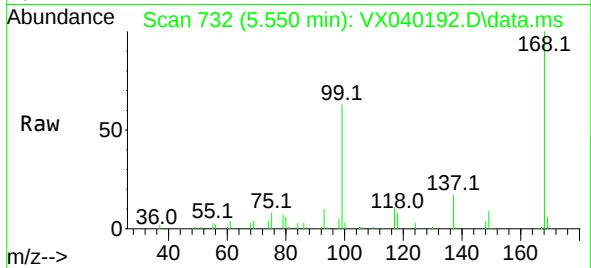




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

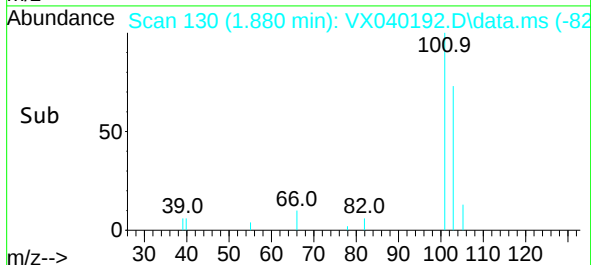
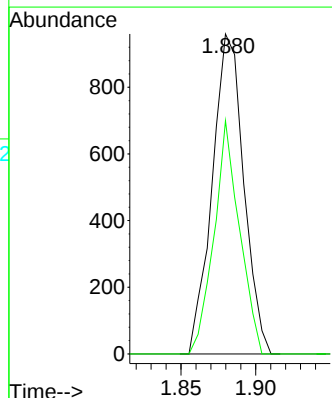
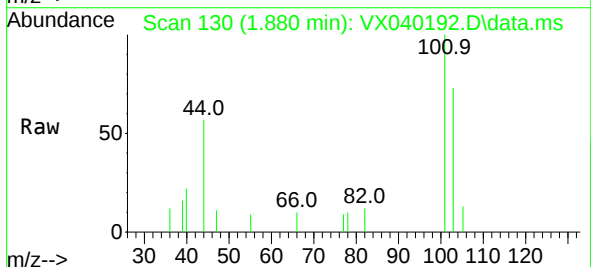
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-CARBON-20240205DL

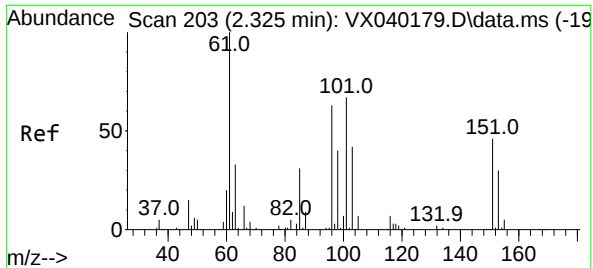
Tgt Ion:168 Resp: 107681  
Ion Ratio Lower Upper  
168 100  
99 62.7 56.6 85.0



#7  
Trichlorofluoromethane  
Concen: 0.660 ug/l  
RT: 1.880 min Scan# 130  
Delta R.T. -0.006 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

Tgt Ion:101 Resp: 1405  
Ion Ratio Lower Upper  
101 100  
103 72.9 51.4 77.2

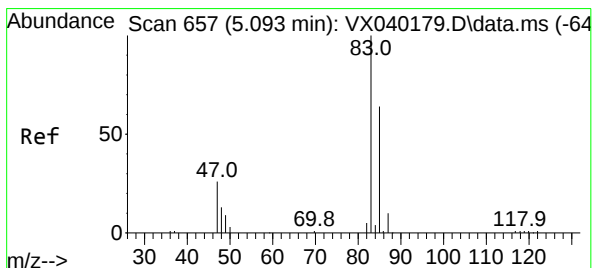
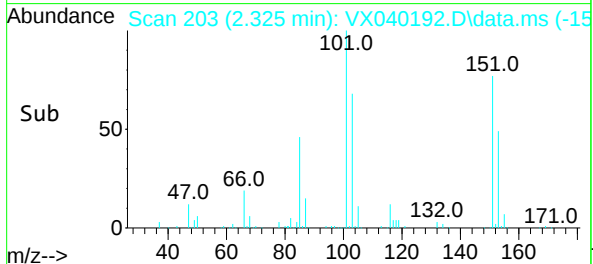
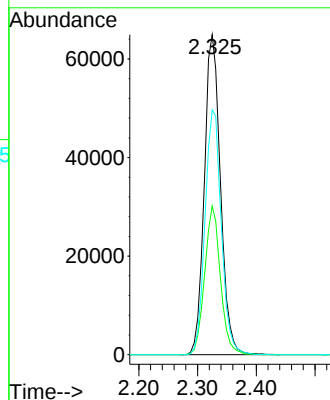
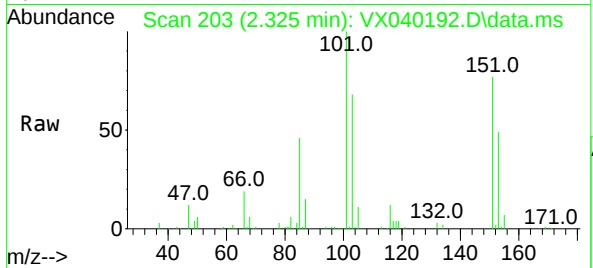




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 108.455 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.000 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

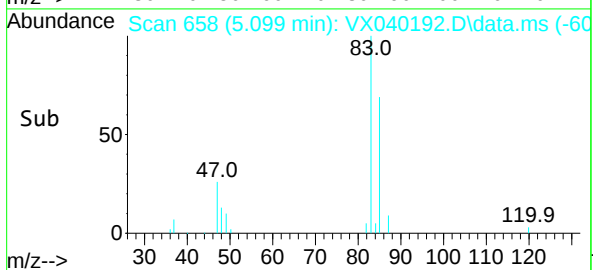
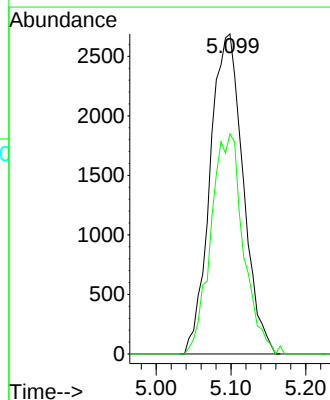
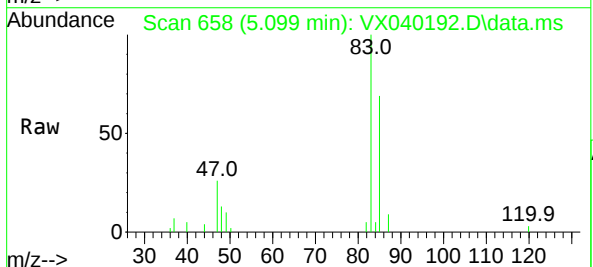
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-CARBON-20240205DL

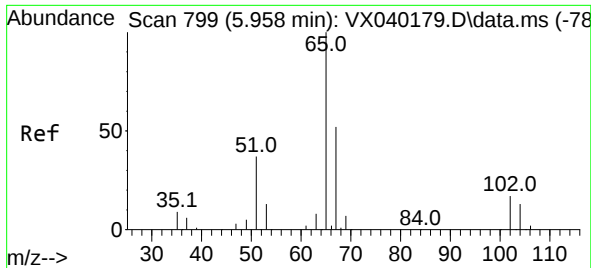
Tgt Ion:101 Resp: 123837  
Ion Ratio Lower Upper  
101 100  
85 45.3 37.0 55.6  
151 77.2 58.6 87.8



#30  
Chloroform  
Concen: 3.392 ug/l  
RT: 5.099 min Scan# 658  
Delta R.T. 0.000 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

Tgt Ion: 83 Resp: 8266  
Ion Ratio Lower Upper  
83 100  
85 68.8 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 45.682 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040192.D

Acq: 12 Feb 2024 12:20

Instrument :

MSVOA\_X

ClientSampleId :

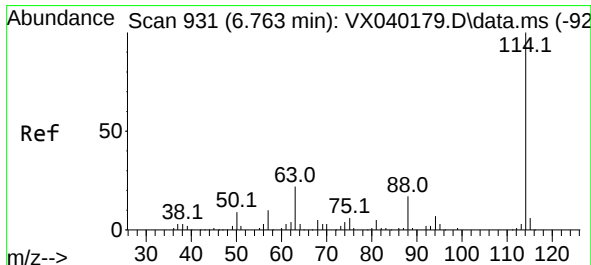
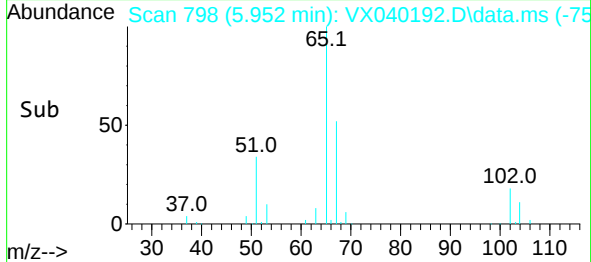
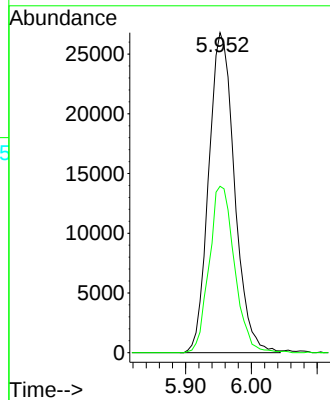
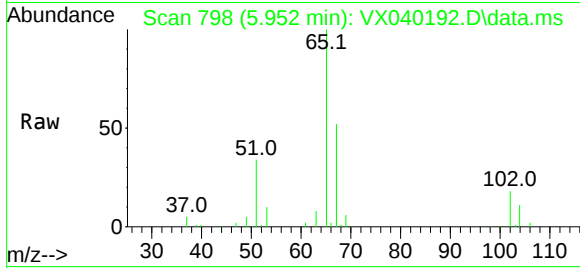
RE137-CARBON-20240205DL

Tgt Ion: 65 Resp: 73181

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040192.D

Acq: 12 Feb 2024 12:20

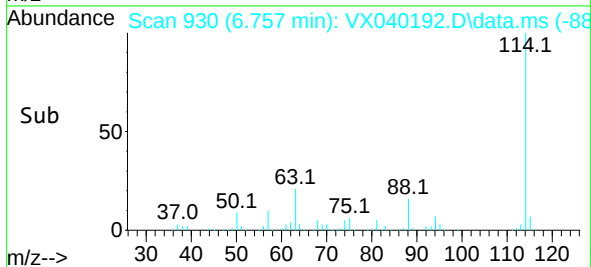
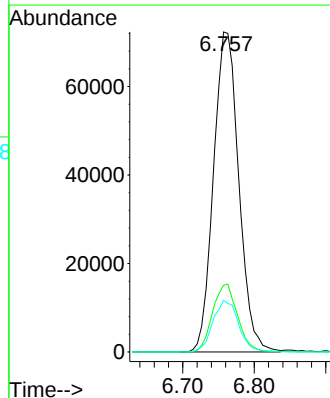
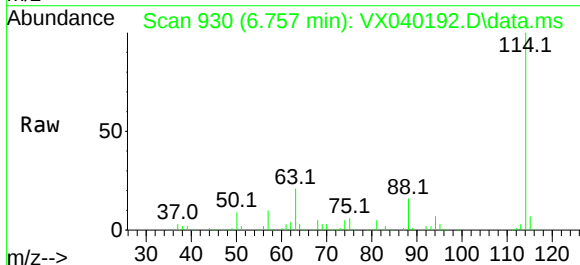
Tgt Ion: 114 Resp: 177733

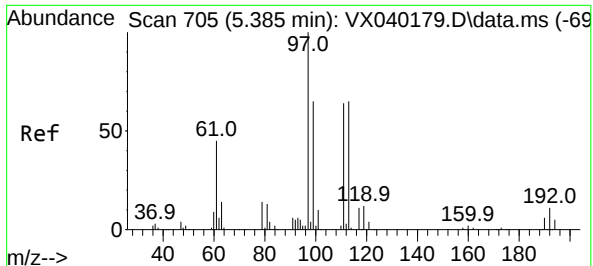
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 16.1 0.0 36.6

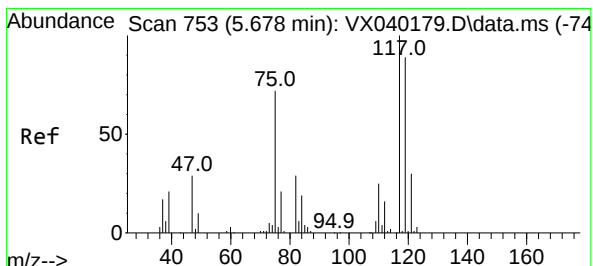
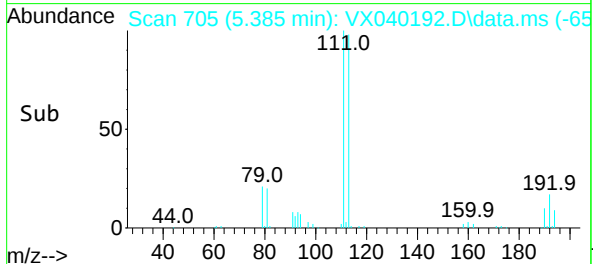
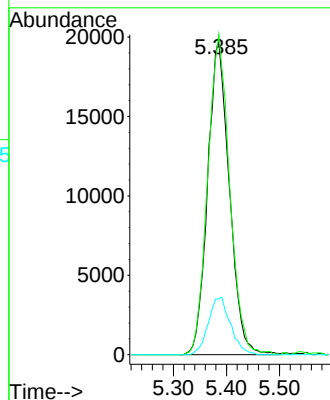
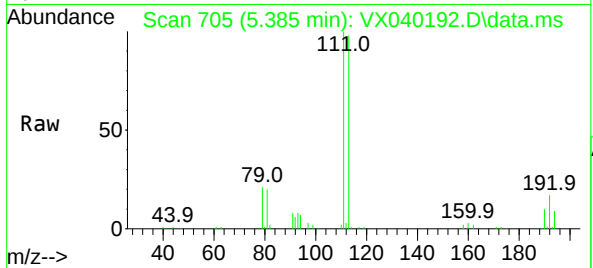




#35  
Dibromofluoromethane  
Concen: 45.181 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

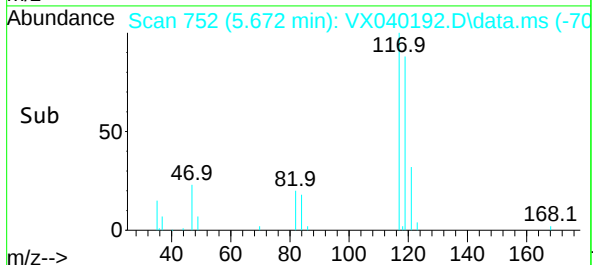
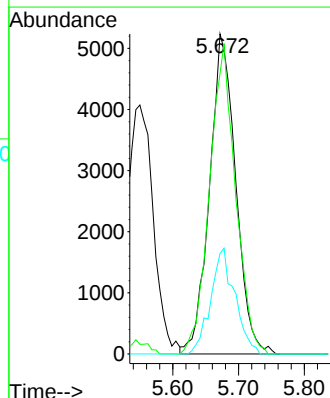
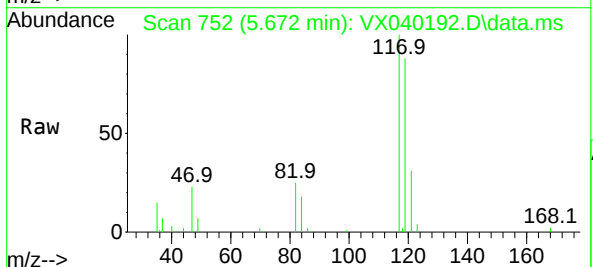
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-CARBON-20240205DL

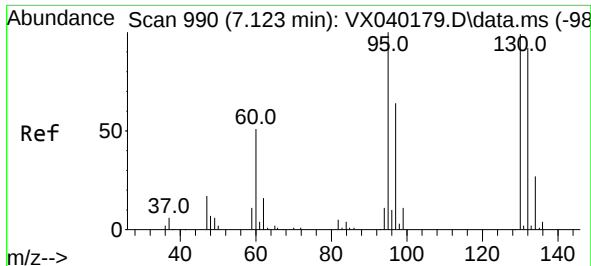
Tgt Ion:113 Resp: 56078  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.9 124.3  
192 18.7 13.3 19.9



#38  
Carbon Tetrachloride  
Concen: 8.780 ug/l  
RT: 5.672 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

Tgt Ion:117 Resp: 14514  
Ion Ratio Lower Upper  
117 100  
119 87.6 78.2 117.2  
121 31.4 24.4 36.6

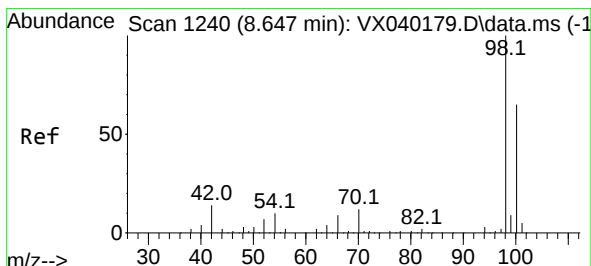
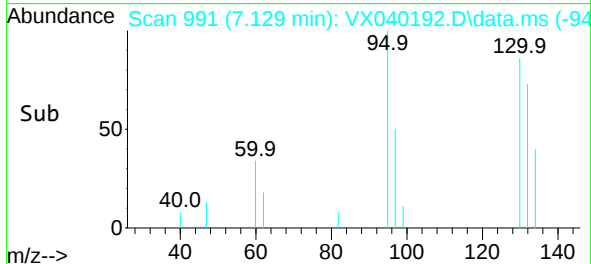
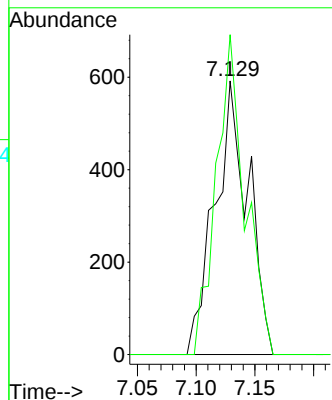
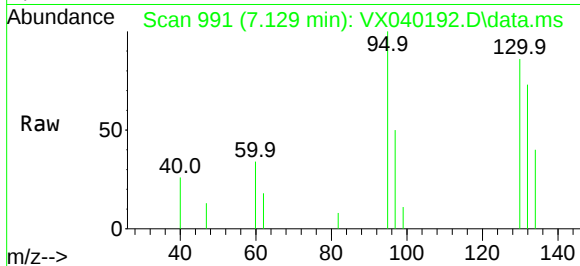




#44  
Trichloroethene  
Concen: 0.874 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

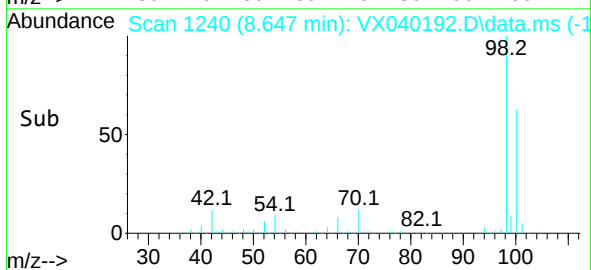
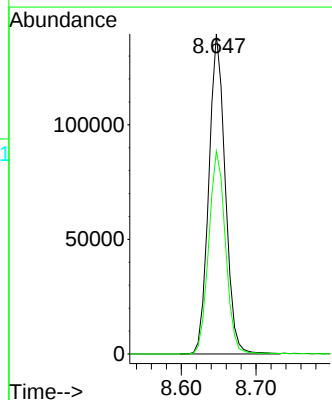
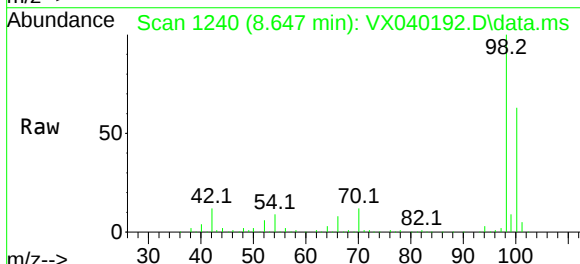
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-CARBON-20240205DL

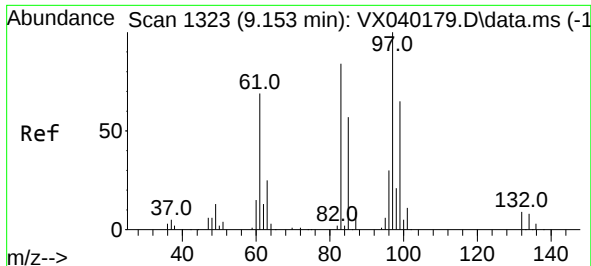
Tgt Ion:130 Resp: 1172  
Ion Ratio Lower Upper  
130 100  
95 116.9 0.0 204.4



#50  
Toluene-d8  
Concen: 45.811 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

Tgt Ion: 98 Resp: 212695  
Ion Ratio Lower Upper  
98 100  
100 64.8 53.1 79.7





#55

1,1,2-Trichloroethane

Concen: 1.490 ug/l

RT: 9.153 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040192.D

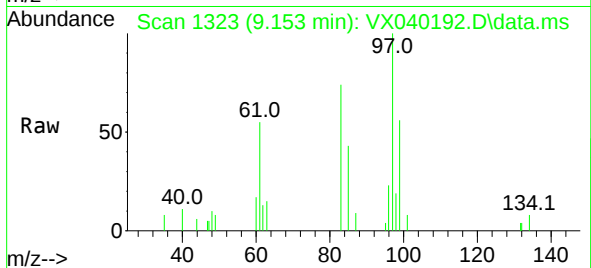
Acq: 12 Feb 2024 12:20

Instrument :

MSVOA\_X

ClientSampleId :

RE137-CARBON-20240205DL



Tgt Ion: 97 Resp: 2024

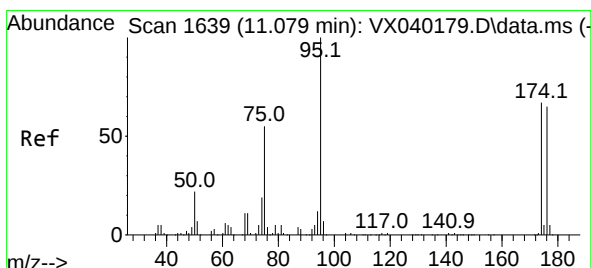
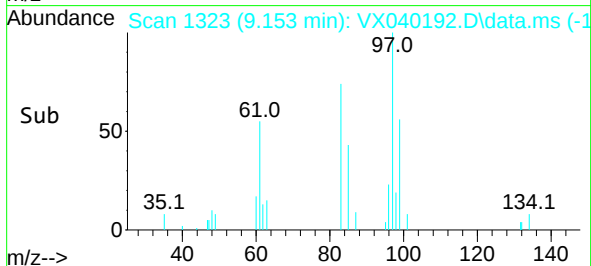
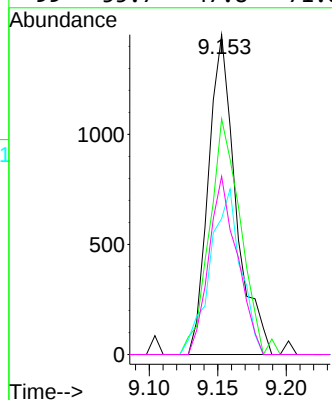
Ion Ratio Lower Upper

97 100

83 73.7 65.8 98.8

85 42.5 41.6 62.4

99 55.7 47.8 71.8



#62

4-Bromofluorobenzene

Concen: 46.575 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040192.D

Acq: 12 Feb 2024 12:20

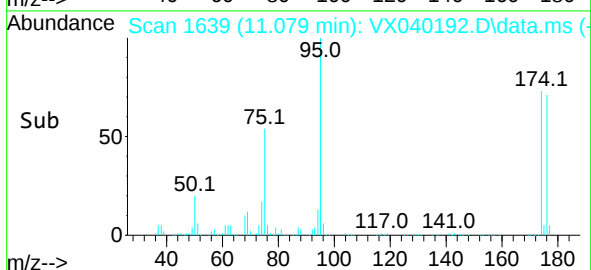
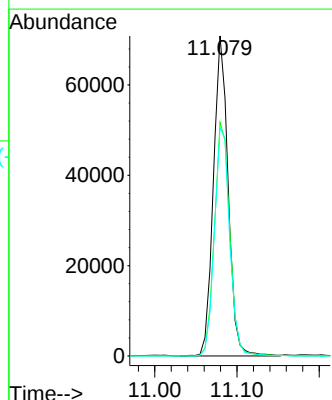
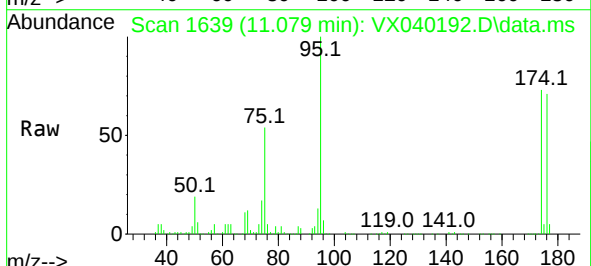
Tgt Ion: 95 Resp: 88193

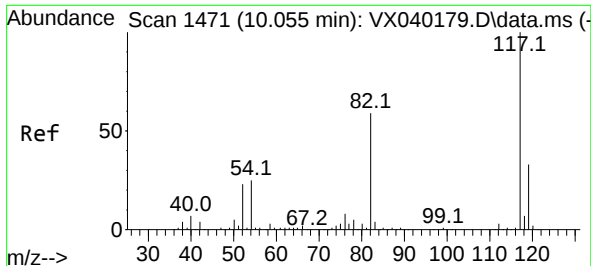
Ion Ratio Lower Upper

95 100

174 76.0 0.0 135.6

176 74.0 0.0 131.0

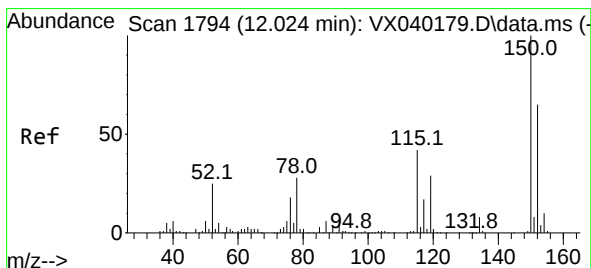
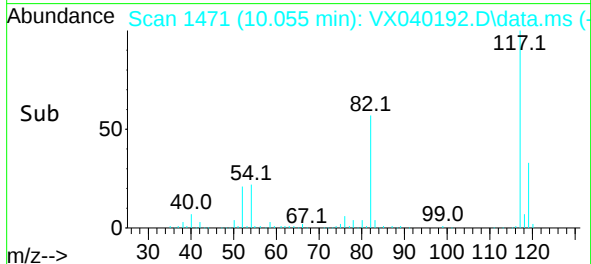
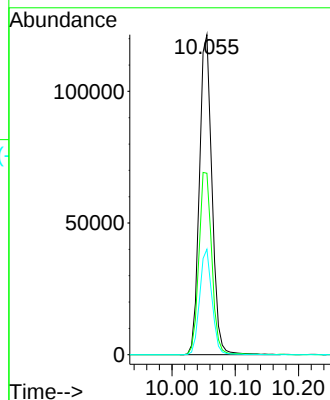
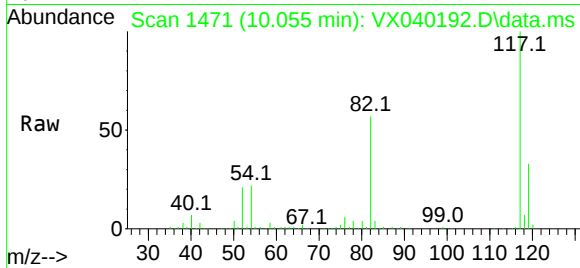




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-CARBON-20240205DL

Tgt Ion:117 Resp: 168098  
Ion Ratio Lower Upper  
117 100  
82 56.7 46.2 69.4  
119 32.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX040192.D  
Acq: 12 Feb 2024 12:20

Tgt Ion:152 Resp: 90009  
Ion Ratio Lower Upper  
152 100  
115 61.8 43.3 129.9  
150 154.6 0.0 345.0

