

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092424\  
 Data File : VX043133.D  
 Acq On : 24 Sep 2024 19:17  
 Operator : JC/MD  
 Sample : P4164-11  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE139D2-20240920

Quant Time: Sep 25 01:35:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092324W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 24 03:13:52 2024  
 Response via : Initial Calibration

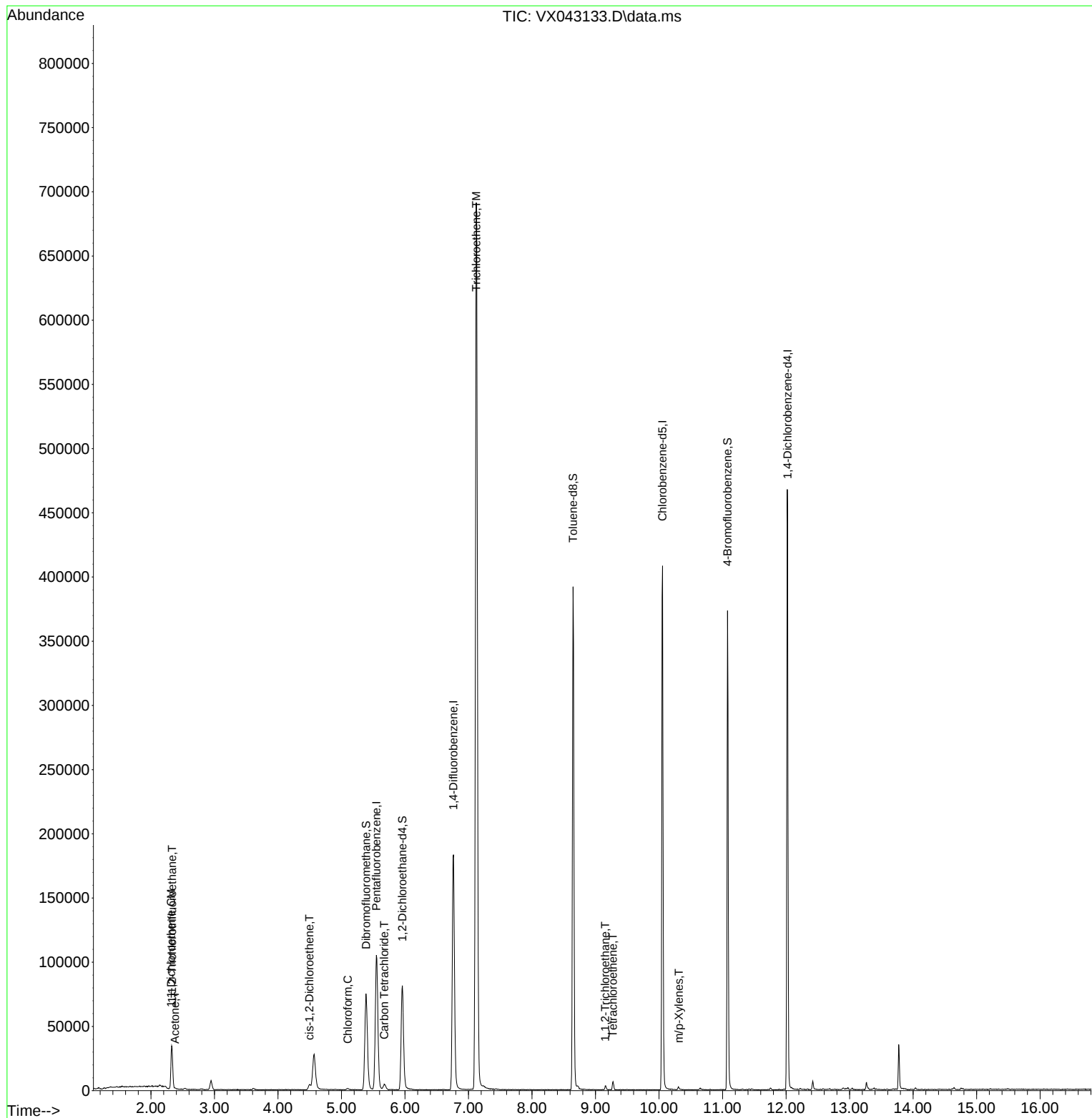
| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 94208               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 188326              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 180502              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 94415               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 83530               | 53.379  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 106.760% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 64113               | 48.259  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 96.520%  |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 230144              | 51.204  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 102.400% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 96906               | 53.537  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 107.080% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 8046                | 7.708   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 5728                | 5.737   | ug/l   | 98       |
| 16) Acetone                  | 2.380          | 43   | 990                 | 1.353   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 2696                | 2.096   | ug/l   | 93       |
| 30) Chloroform               | 5.099          | 83   | 1223                | 0.553   | ug/l # | 79       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 3563                | 1.694   | ug/l # | 83       |
| 44) Trichloroethene          | 7.123          | 130  | 259341              | 196.774 | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane    | 9.153          | 97   | 1047                | 0.820   | ug/l   | 92       |
| 64) Tetrachloroethene        | 9.275          | 164  | 1187                | 0.908   | ug/l   | 89       |
| 68) m/p-Xylenes              | 10.311         | 106  | 674                 | 0.269   | ug/l   | 100      |
| -----                        |                |      |                     |         |        |          |

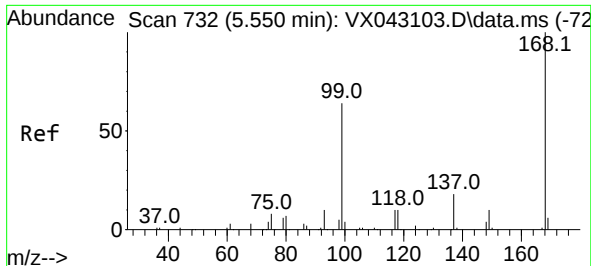
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092424\  
Data File : VX043133.D  
Acq On : 24 Sep 2024 19:17  
Operator : JC/MD  
Sample : P4164-11  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D2-20240920

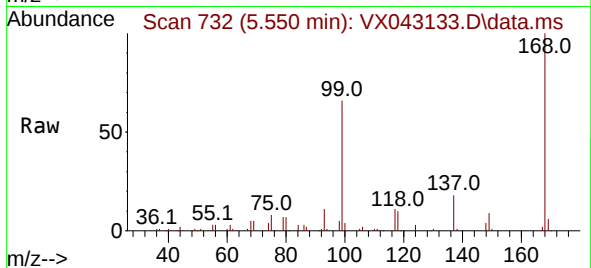
Quant Time: Sep 25 01:35:59 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092324W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 24 03:13:52 2024  
Response via : Initial Calibration



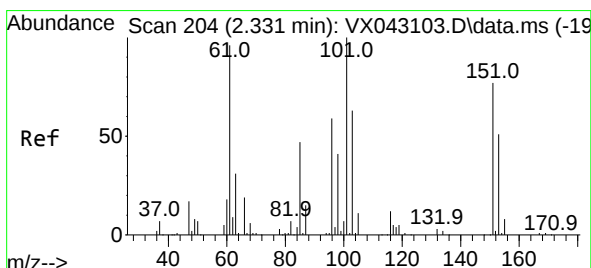
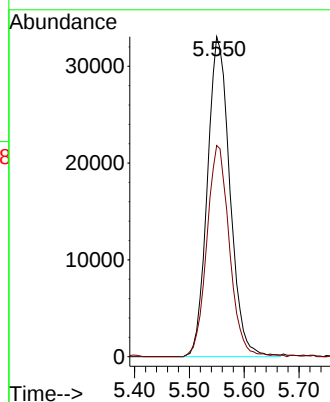
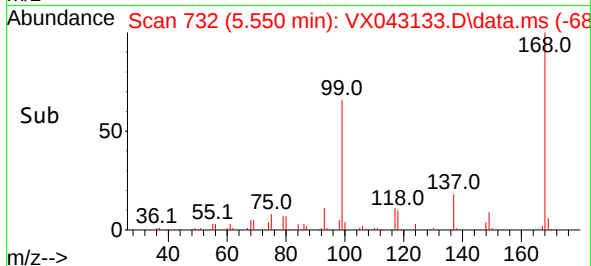


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX043133.D  
Acq: 24 Sep 2024 19:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D2-20240920

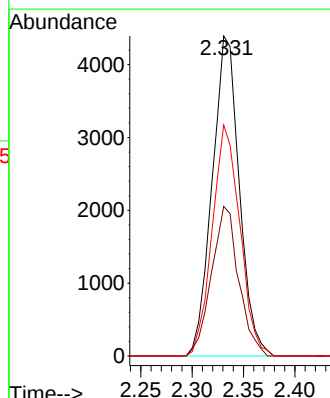
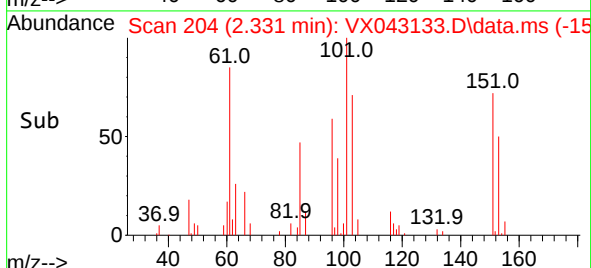
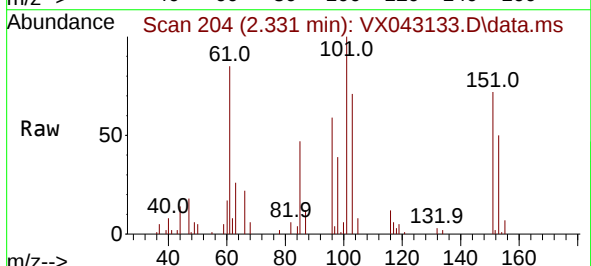


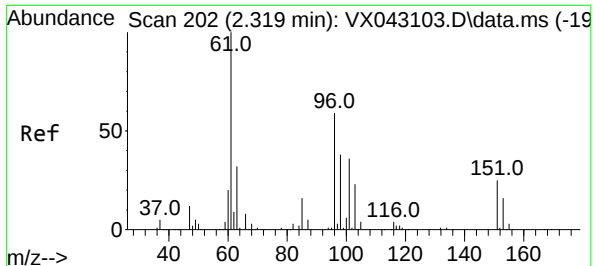
Tgt Ion:168 Resp: 94208  
Ion Ratio Lower Upper  
168 100  
99 66.0 50.8 76.2



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 7.708 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX043133.D  
Acq: 24 Sep 2024 19:17

Tgt Ion:101 Resp: 8046  
Ion Ratio Lower Upper  
101 100  
85 47.0 37.0 55.4  
151 73.7 60.2 90.4





#12

1,1-Dichloroethene

Concen: 5.737 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA\_X

ClientSampleId :

RE139D2-20240920

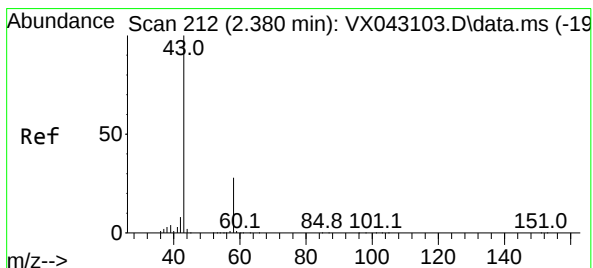
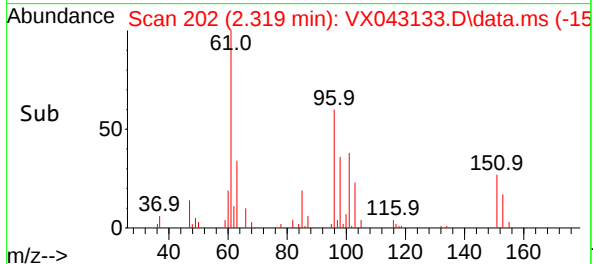
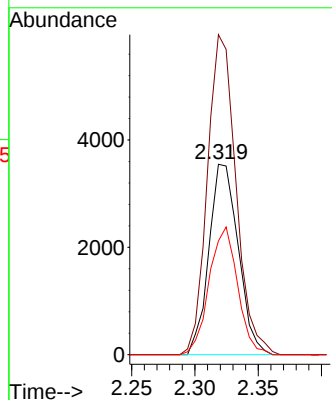
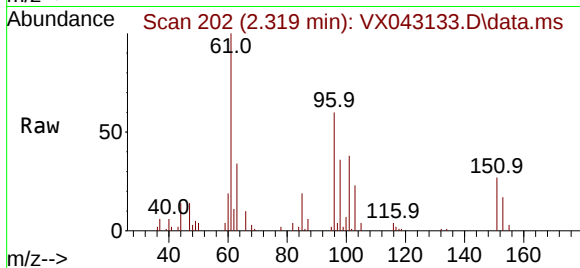
Tgt Ion: 96 Resp: 5728

Ion Ratio Lower Upper

96 100

61 168.0 134.7 202.1

98 59.7 51.6 77.4



#16

Acetone

Concen: 1.353 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043133.D

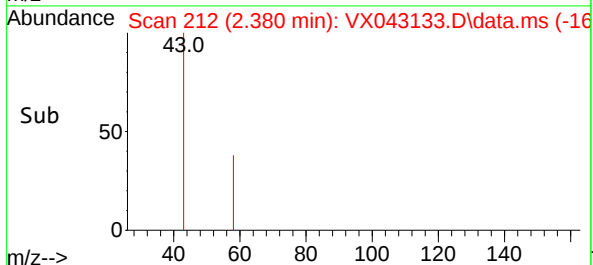
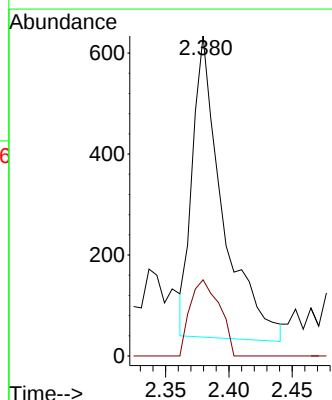
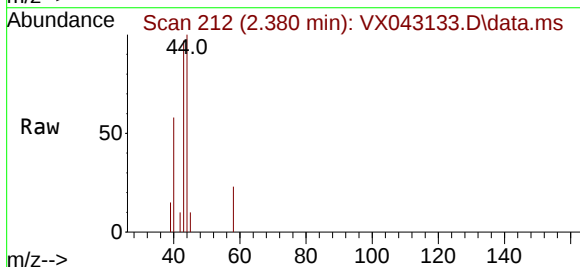
Acq: 24 Sep 2024 19:17

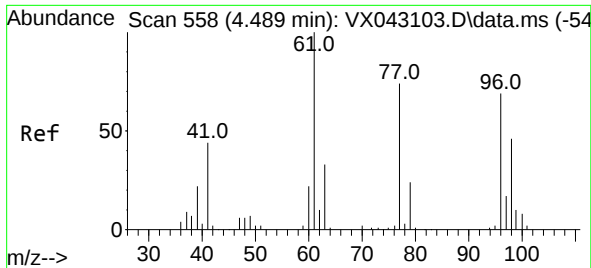
Tgt Ion: 43 Resp: 990

Ion Ratio Lower Upper

43 100

58 26.4 22.6 34.0





#27

cis-1,2-Dichloroethene

Concen: 2.096 ug/l

RT: 4.495 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA\_X

ClientSampleId :

RE139D2-20240920

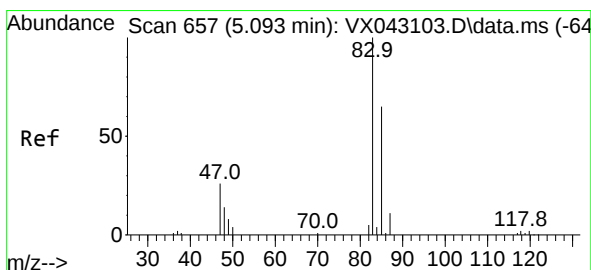
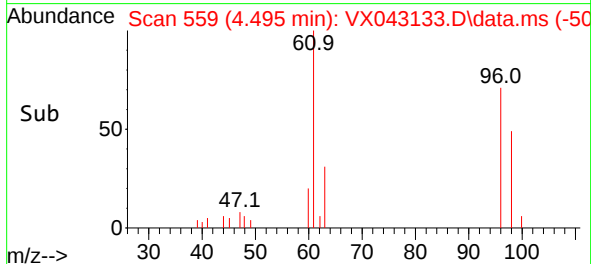
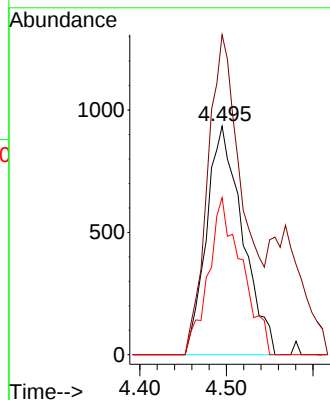
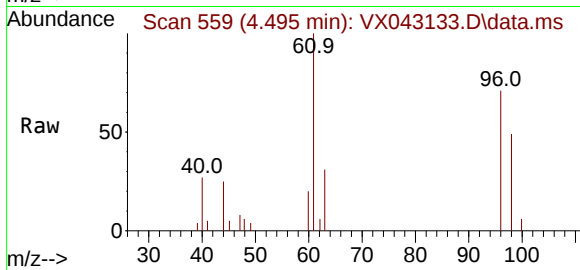
Tgt Ion: 96 Resp: 2696

Ion Ratio Lower Upper

96 100

61 136.7 0.0 297.8

98 64.2 0.0 131.2



#30

Chloroform

Concen: 0.553 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX043133.D

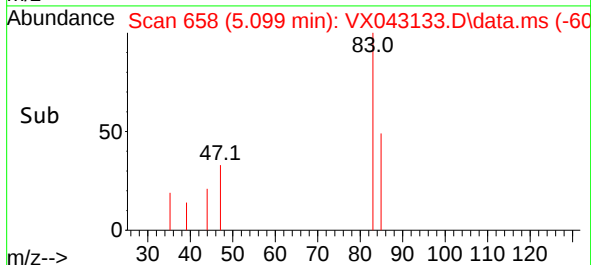
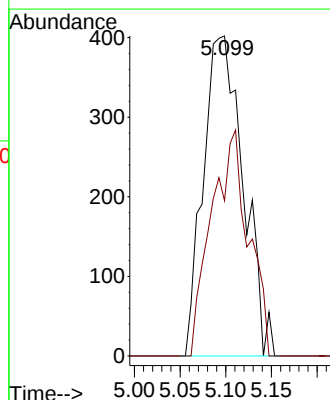
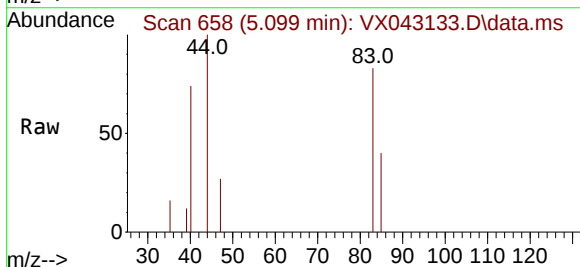
Acq: 24 Sep 2024 19:17

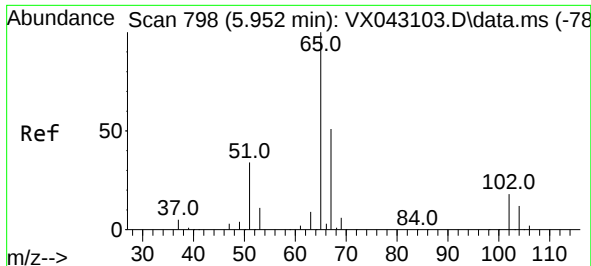
Tgt Ion: 83 Resp: 1223

Ion Ratio Lower Upper

83 100

85 48.5 52.4 78.6#





#33

1,2-Dichloroethane-d4

Concen: 53.379 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA\_X

ClientSampleId :

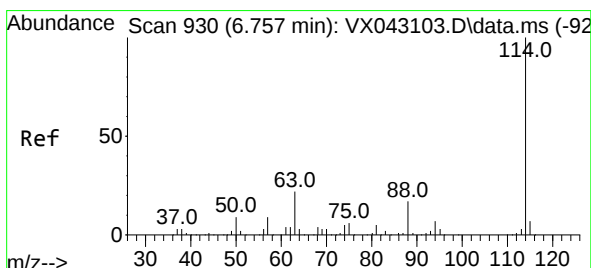
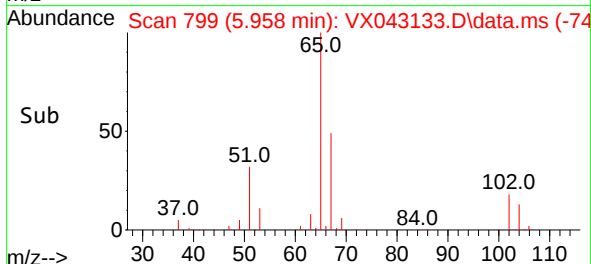
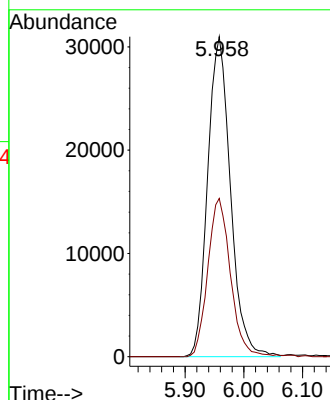
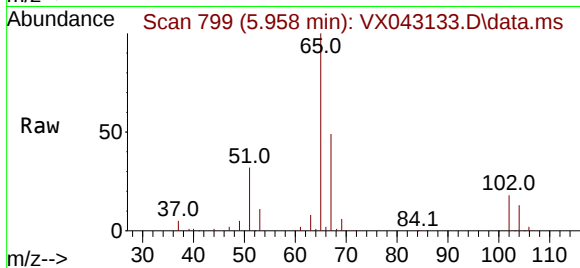
RE139D2-20240920

Tgt Ion: 65 Resp: 83530

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

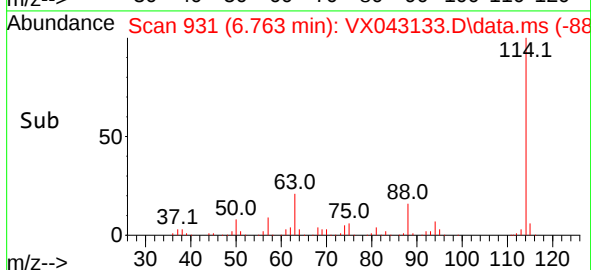
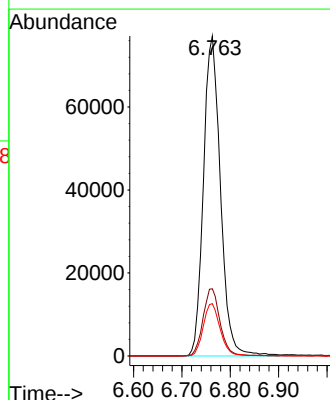
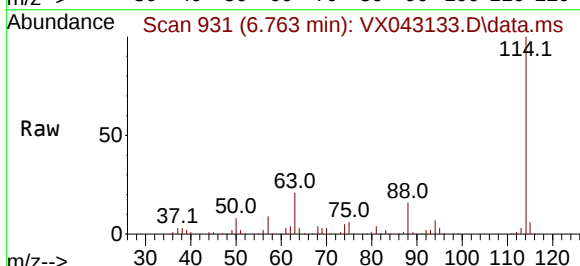
Tgt Ion: 114 Resp: 188326

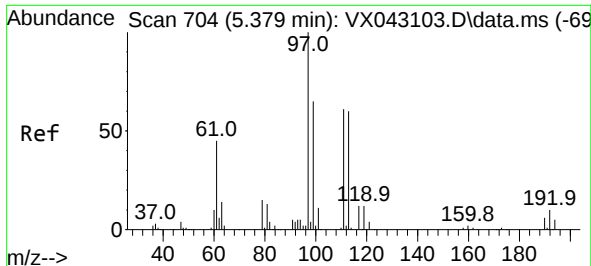
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.259 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043133.D

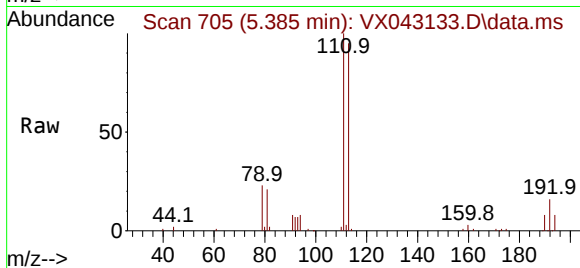
Acq: 24 Sep 2024 19:17

Instrument :

MSVOA\_X

ClientSampleId :

RE139D2-20240920



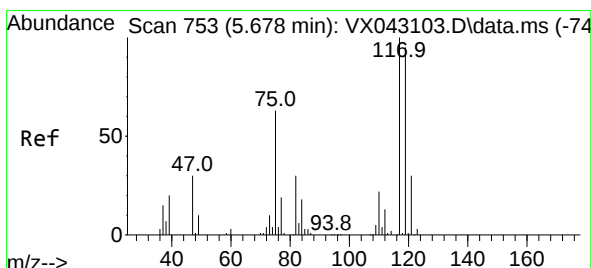
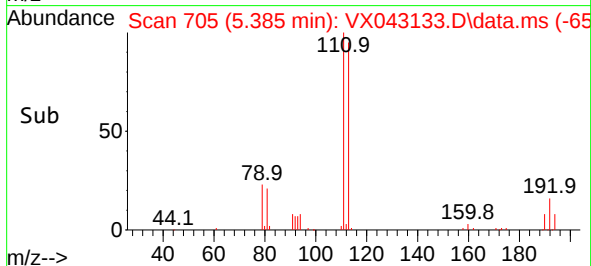
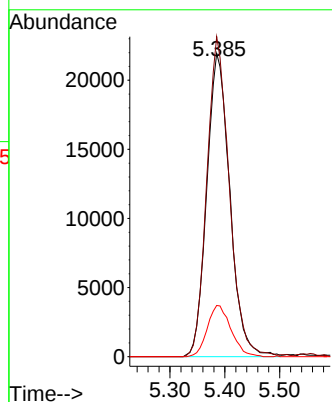
Tgt Ion:113 Resp: 64113

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 17.3 14.6 22.0



#38

Carbon Tetrachloride

Concen: 1.694 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

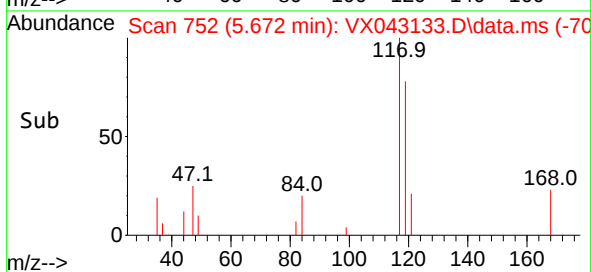
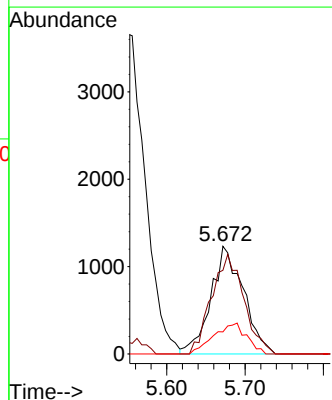
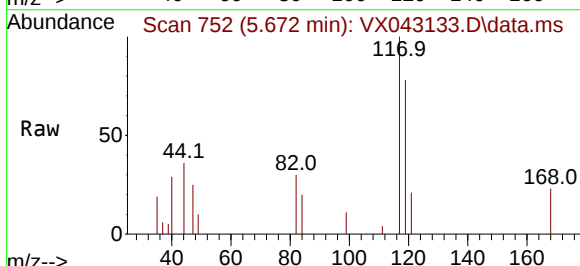
Tgt Ion:117 Resp: 3563

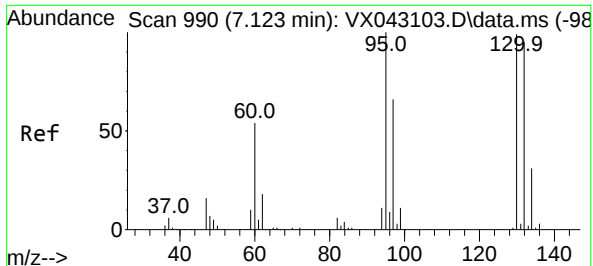
Ion Ratio Lower Upper

117 100

119 77.7 75.5 113.3

121 20.5 24.2 36.2#

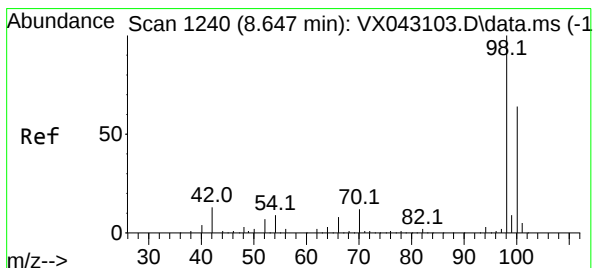
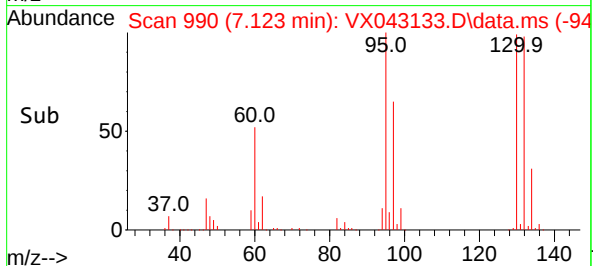
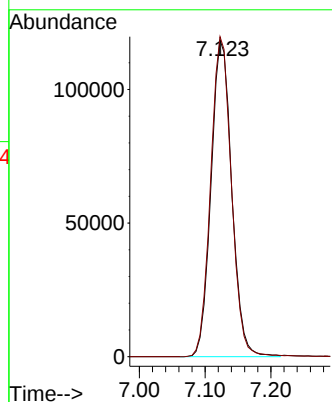
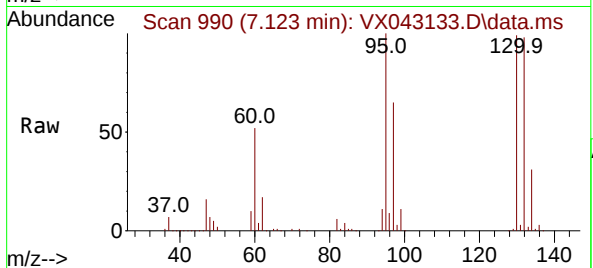




#44  
Trichloroethene  
Concen: 196.774 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX043133.D  
Acq: 24 Sep 2024 19:17

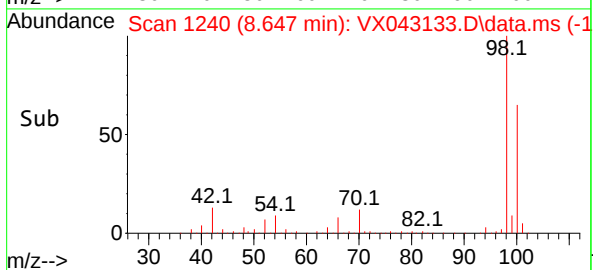
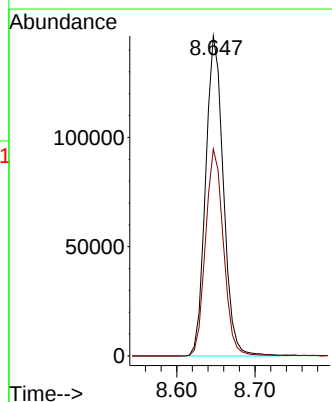
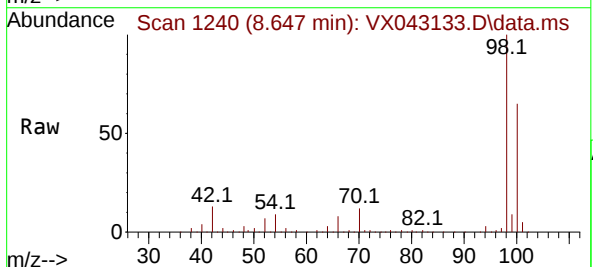
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D2-20240920

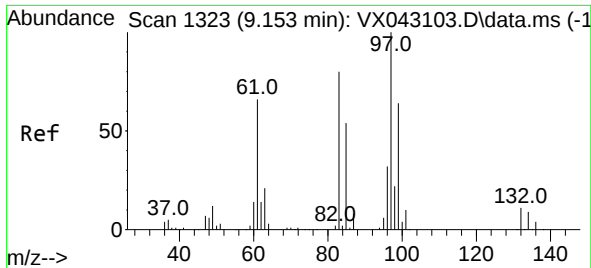
Tgt Ion:130 Resp: 259341  
Ion Ratio Lower Upper  
130 100  
95 101.0 0.0 201.6



#50  
Toluene-d8  
Concen: 51.204 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX043133.D  
Acq: 24 Sep 2024 19:17

Tgt Ion: 98 Resp: 230144  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.2 78.4

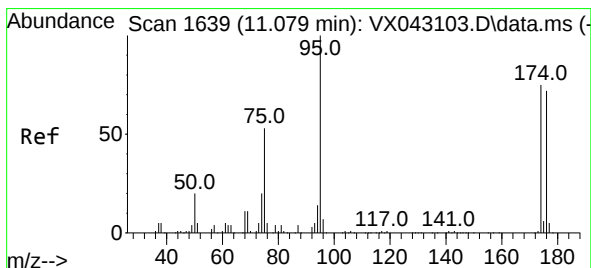
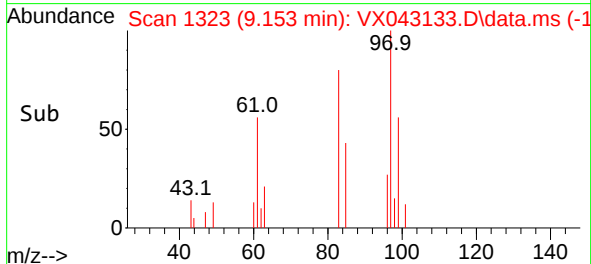
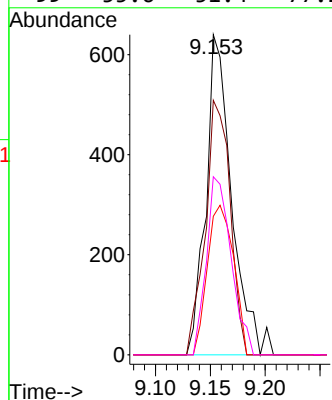
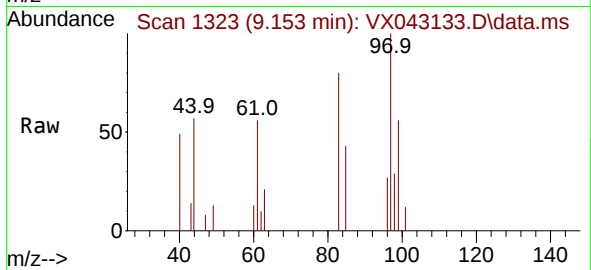




#55  
1,1,2-Trichloroethane  
Concen: 0.820 ug/l  
RT: 9.153 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043133.D  
Acq: 24 Sep 2024 19:17

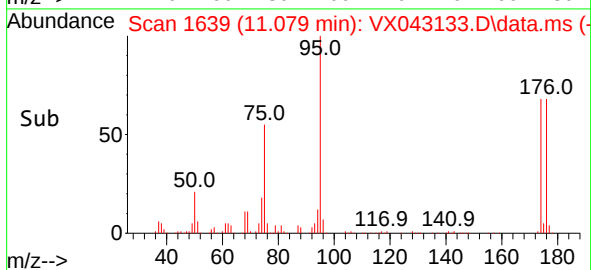
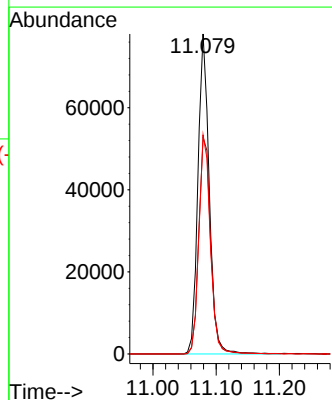
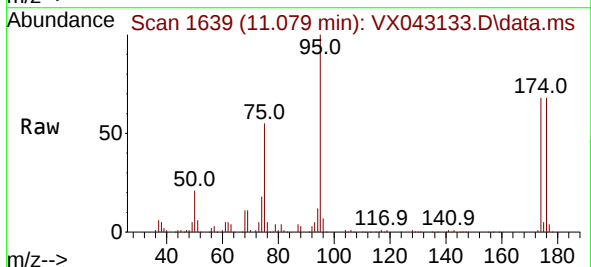
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D2-20240920

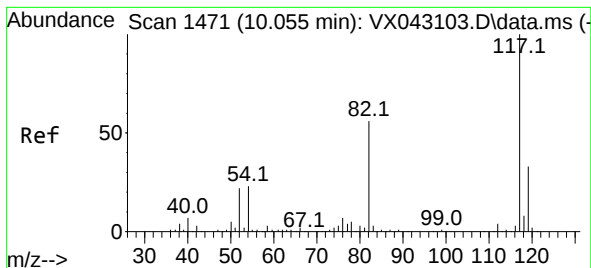
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 1047  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 79.5     | 64.2 96.4   |
| 85 43.3     | 43.0 64.6   |
| 99 55.6     | 51.4 77.2   |



#62  
4-Bromofluorobenzene  
Concen: 53.537 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043133.D  
Acq: 24 Sep 2024 19:17

|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 96906 |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 174 71.7    | 0.0 146.0   |
| 176 69.9    | 0.0 142.6   |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Instrument :

MSVOA\_X

ClientSampleId :

RE139D2-20240920

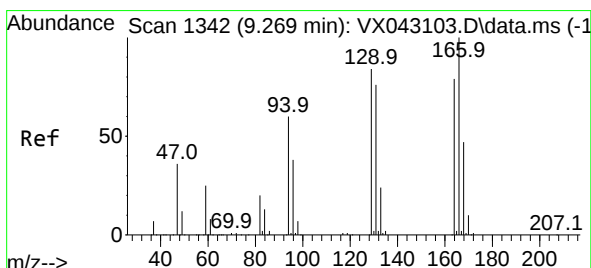
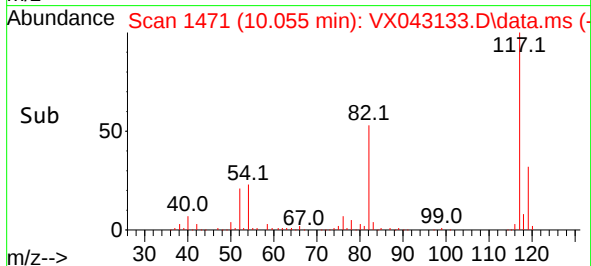
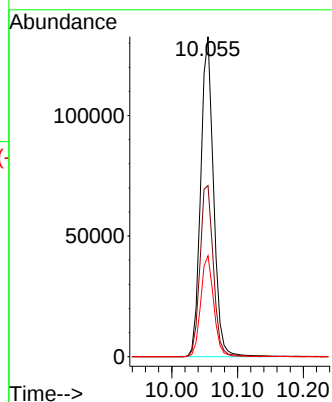
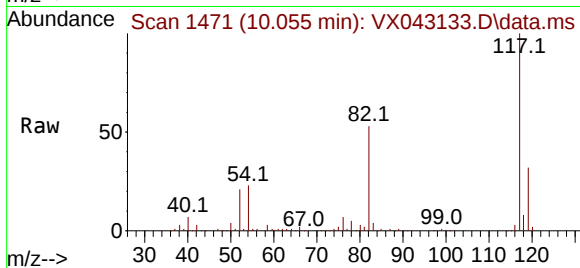
Tgt Ion:117 Resp: 180502

Ion Ratio Lower Upper

117 100

82 53.4 44.7 67.1

119 31.5 26.3 39.5



#64

Tetrachloroethene

Concen: 0.908 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043133.D

Acq: 24 Sep 2024 19:17

Tgt Ion:164 Resp: 1187

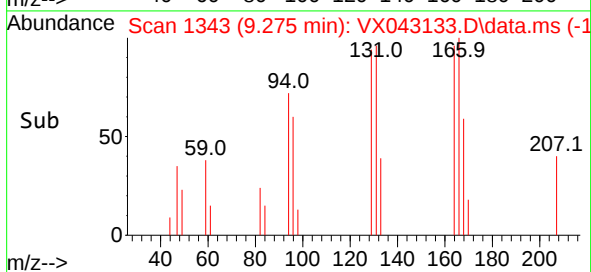
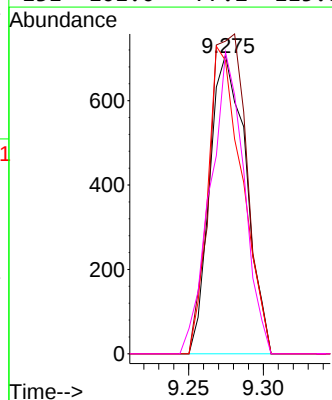
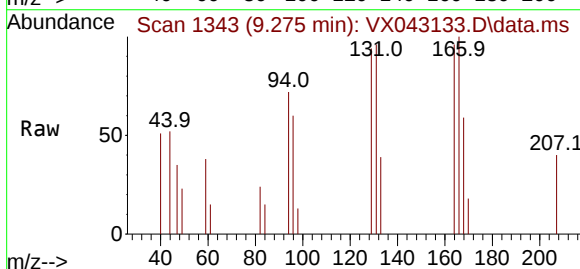
Ion Ratio Lower Upper

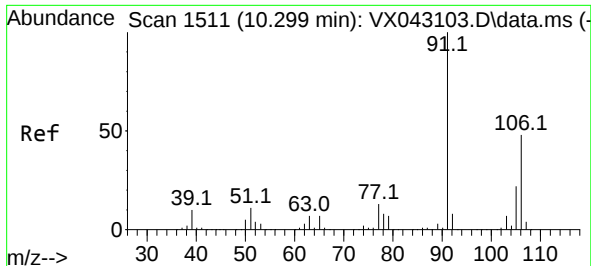
164 100

166 104.7 101.2 151.8

129 98.2 84.7 127.1

131 101.0 77.2 115.8

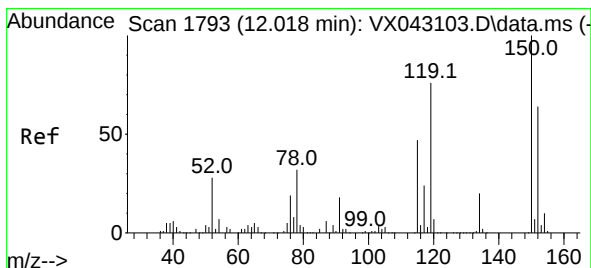
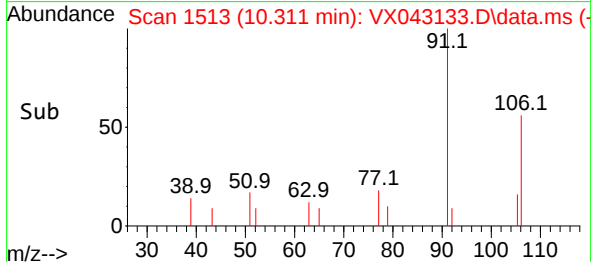
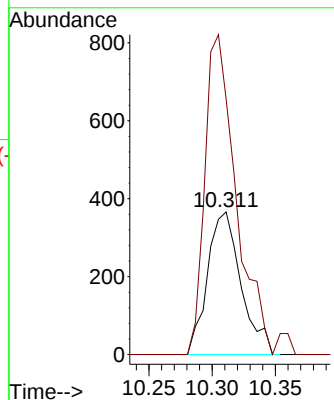
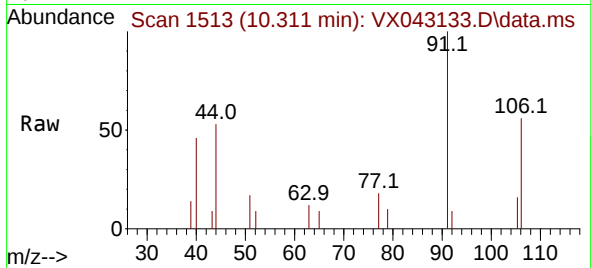




#68  
m/p-Xylenes  
Concen: 0.269 ug/l  
RT: 10.311 min Scan# 1511  
Delta R.T. 0.012 min  
Lab File: VX043133.D  
Acq: 24 Sep 2024 19:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D2-20240920

Tgt Ion:106 Resp: 674  
Ion Ratio Lower Upper  
106 100  
91 209.3 167.5 251.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX043133.D  
Acq: 24 Sep 2024 19:17

Tgt Ion:152 Resp: 94415  
Ion Ratio Lower Upper  
152 100  
115 61.8 43.7 131.1  
150 155.1 0.0 344.6

