

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021924\  
 Data File : VX040323.D  
 Acq On : 19 Feb 2024 12:22  
 Operator : JC/MD  
 Sample : P1395-01 10X  
 Misc : 4.42g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 B-4(4-6)

Quant Time: Feb 20 01:12:16 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

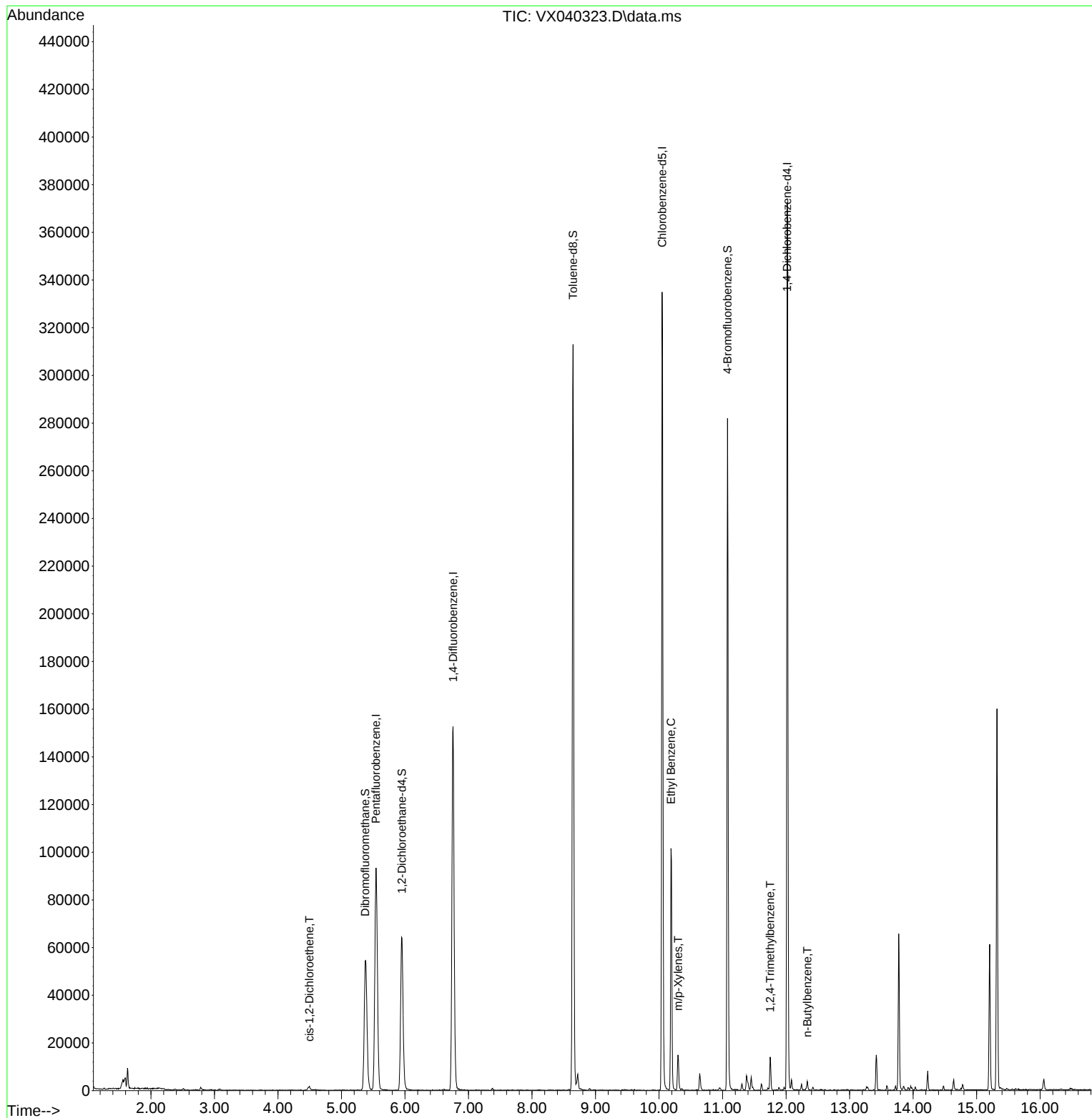
| Compound                    | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|-------|----------|
| -----                       |                |      |            |         |       |          |
| Internal Standards          |                |      |            |         |       |          |
| 1) Pentafluorobenzene       | 5.544          | 168  | 85251      | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 152523     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.049         | 117  | 144935     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 72384      | 50.000  | ug/l  | 0.00     |
|                             |                |      |            |         |       |          |
| System Monitoring Compounds |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 62936      | 49.623  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 99.240% |       |          |
| 35) Dibromofluoromethane    | 5.373          | 113  | 49017      | 46.019  | ug/l  | -0.01    |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 92.040% |       |          |
| 50) Toluene-d8              | 8.647          | 98   | 185582     | 46.578  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 93.160% |       |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 72397      | 44.553  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 89.100% |       |          |
|                             |                |      |            |         |       |          |
| Target Compounds            |                |      |            |         |       |          |
| 27) cis-1,2-Dichloroethene  | 4.495          | 96   | 1200       | 1.061   | ug/l  | 65       |
| 67) Ethyl Benzene           | 10.189         | 91   | 59507      | 11.046  | ug/l  | 98       |
| 68) m/p-Xylenes             | 10.299         | 106  | 3654       | 1.796   | ug/l  | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 6182       | 1.424   | ug/l  | 95       |
| 89) n-Butylbenzene          | 12.335         | 91   | 1268       | 0.296   | ug/l  | 96       |
| -----                       |                |      |            |         |       |          |

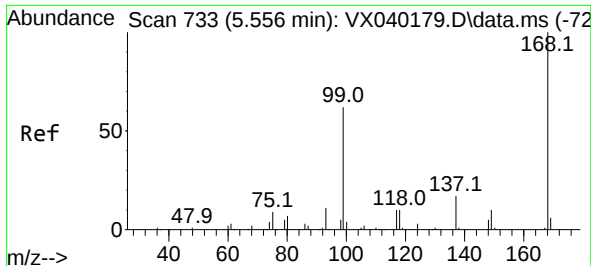
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
B-4(4-6)

Quant Time: Feb 20 01:12:16 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: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX040323.D  
Acq: 19 Feb 2024 12:22

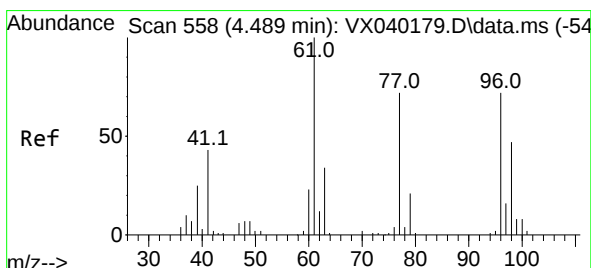
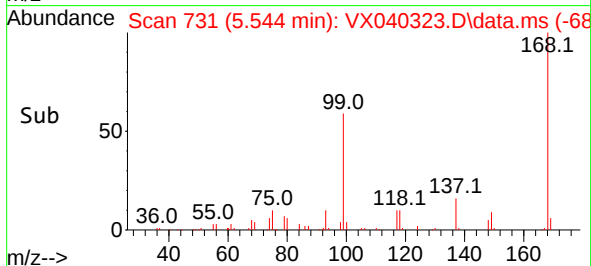
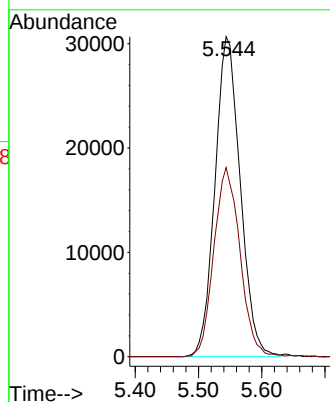
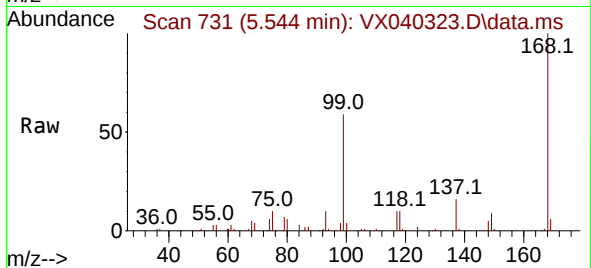
Instrument :

MSVOA\_X

ClientSampleId :

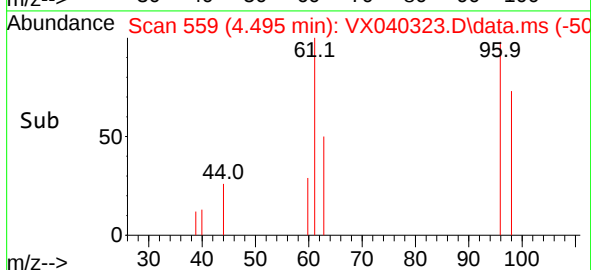
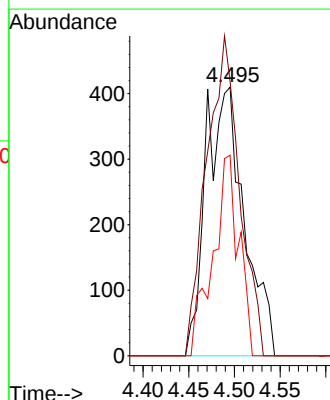
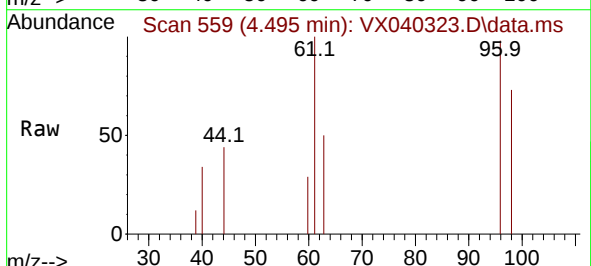
B-4(4-6)

Tgt Ion:168 Resp: 85251  
Ion Ratio Lower Upper  
168 100  
99 59.1 56.6 85.0



#27  
cis-1,2-Dichloroethene  
Concen: 1.061 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: VX040323.D  
Acq: 19 Feb 2024 12:22

Tgt Ion: 96 Resp: 1200  
Ion Ratio Lower Upper  
96 100  
61 102.0 0.0 312.2  
98 50.2 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 49.623 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040323.D

Acq: 19 Feb 2024 12:22

Instrument :

MSVOA\_X

ClientSampleId :

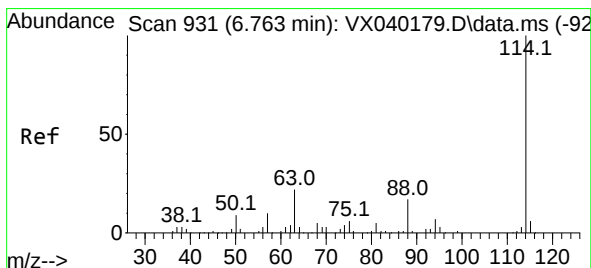
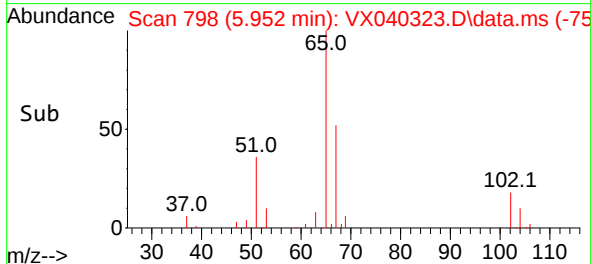
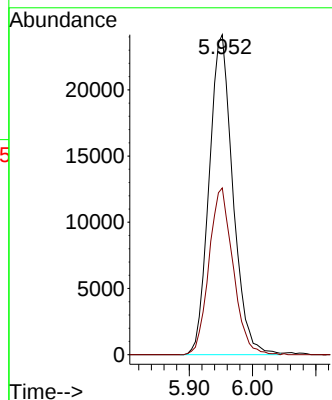
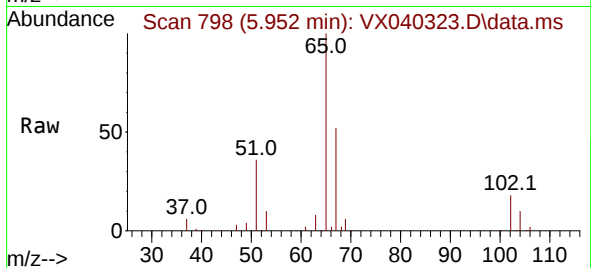
B-4(4-6)

Tgt Ion: 65 Resp: 62936

Ion Ratio Lower Upper

65 100

67 52.9 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: VX040323.D

Acq: 19 Feb 2024 12:22

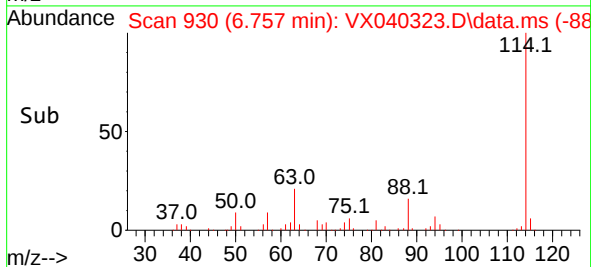
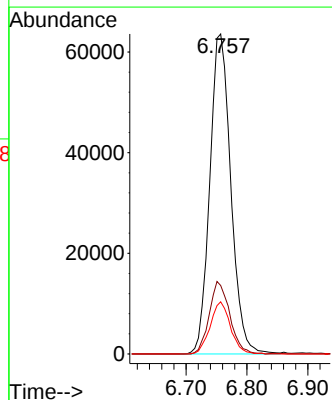
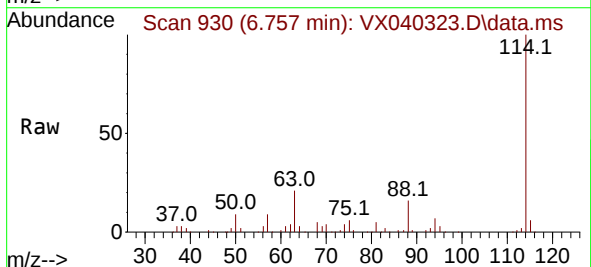
Tgt Ion: 114 Resp: 152523

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

88 16.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.019 ug/l

RT: 5.373 min Scan# 705

Delta R.T. -0.012 min

Lab File: VX040323.D

Acq: 19 Feb 2024 12:22

Instrument :

MSVOA\_X

ClientSampleId :

B-4(4-6)

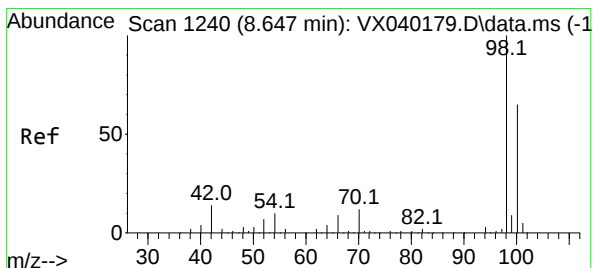
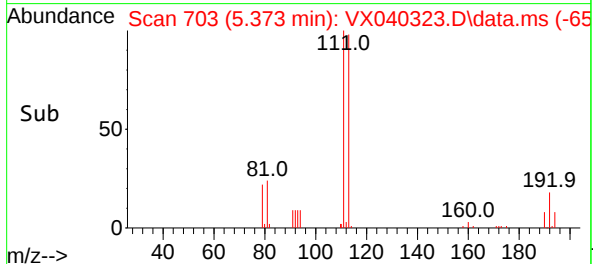
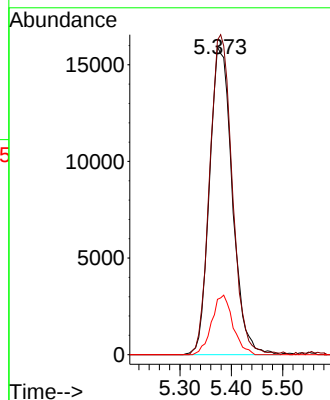
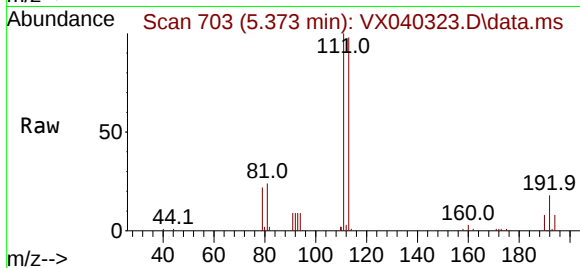
Tgt Ion:113 Resp: 49017

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

192 17.9 13.3 19.9



#50

Toluene-d8

Concen: 46.578 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040323.D

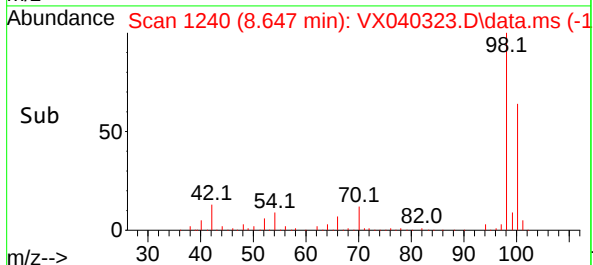
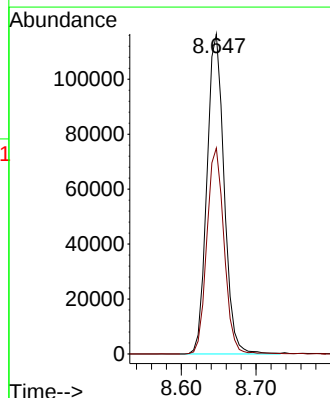
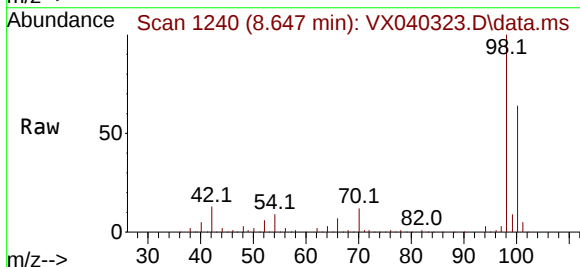
Acq: 19 Feb 2024 12:22

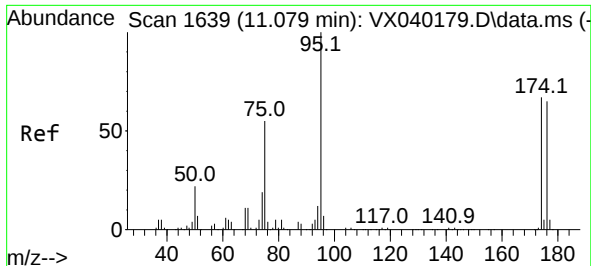
Tgt Ion: 98 Resp: 185582

Ion Ratio Lower Upper

98 100

100 64.4 53.1 79.7

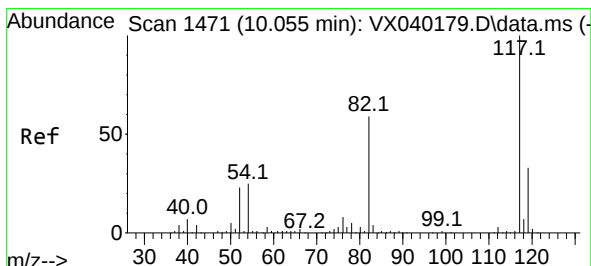
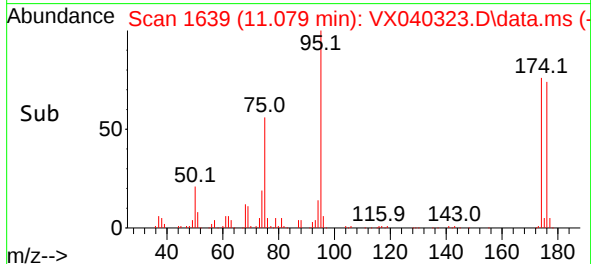
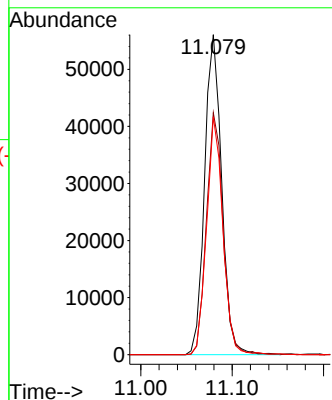
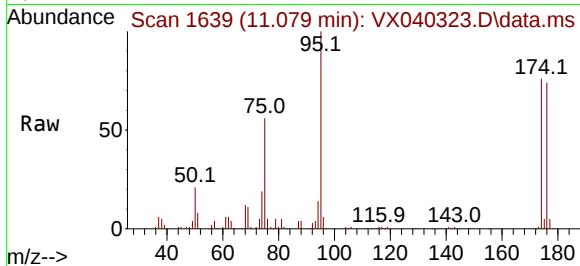




#62  
4-Bromofluorobenzene  
Concen: 44.553 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX040323.D  
Acq: 19 Feb 2024 12:22

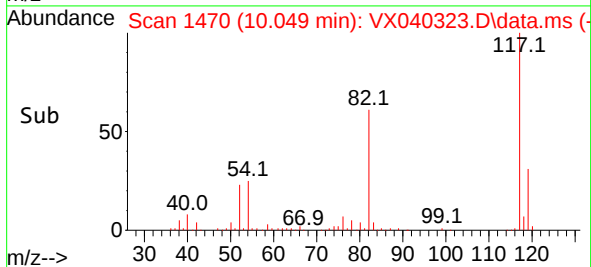
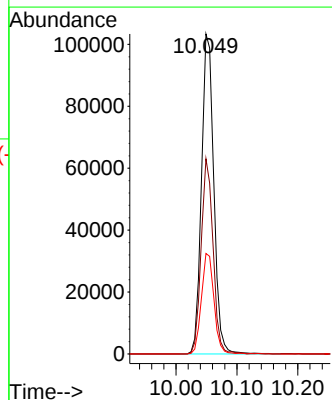
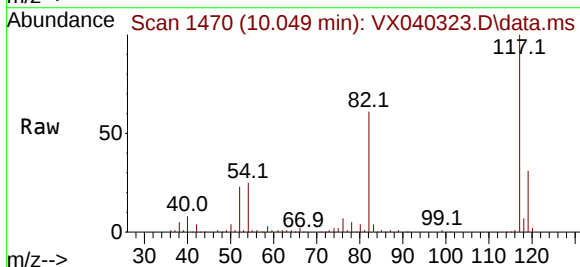
Instrument :  
MSVOA\_X  
ClientSampleId :  
B-4(4-6)

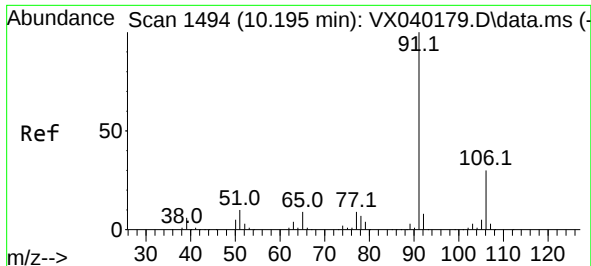
Tgt Ion: 95 Resp: 72397  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 135.6  
176 71.2 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.006 min  
Lab File: VX040323.D  
Acq: 19 Feb 2024 12:22

Tgt Ion: 117 Resp: 144935  
Ion Ratio Lower Upper  
117 100  
82 61.0 46.2 69.4  
119 31.4 25.5 38.3





#67

Ethyl Benzene

Concen: 11.046 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX040323.D

Acq: 19 Feb 2024 12:22

Instrument :

MSVOA\_X

ClientSampleId :

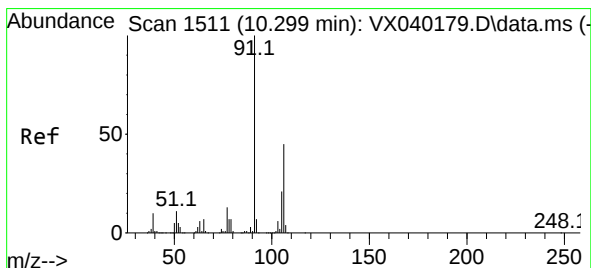
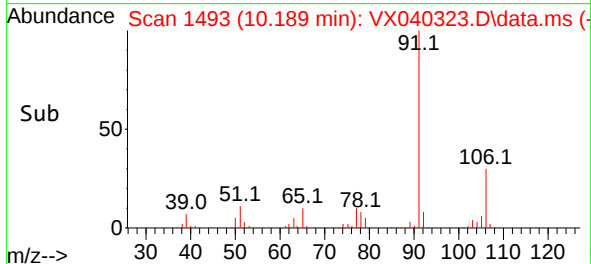
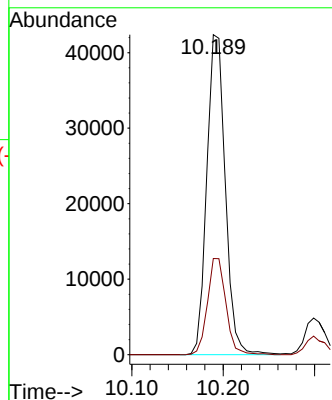
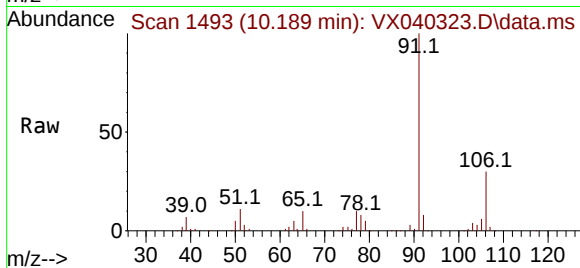
B-4(4-6)

Tgt Ion: 91 Resp: 59507

Ion Ratio Lower Upper

91 100

106 30.1 24.9 37.3



#68

m/p-Xylenes

Concen: 1.796 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX040323.D

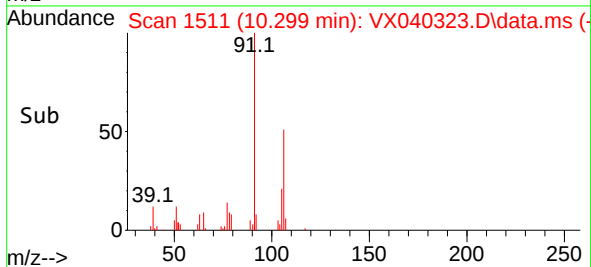
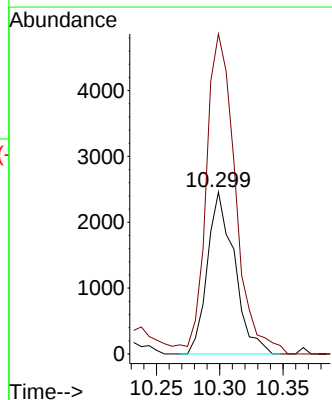
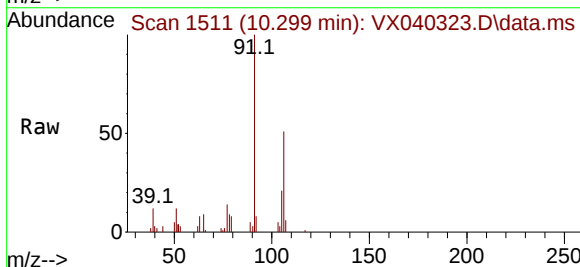
Acq: 19 Feb 2024 12:22

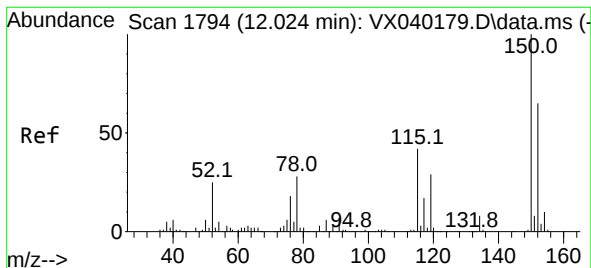
Tgt Ion:106 Resp: 3654

Ion Ratio Lower Upper

106 100

91 212.9 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040323.D

Acq: 19 Feb 2024 12:22

Instrument :

MSVOA\_X

ClientSampleId :

B-4(4-6)

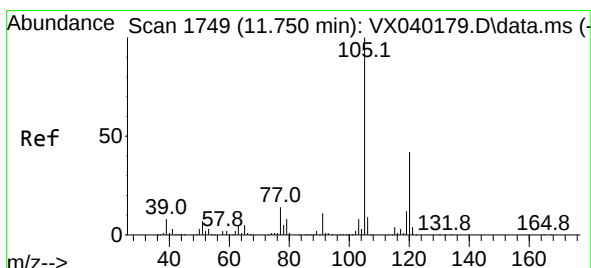
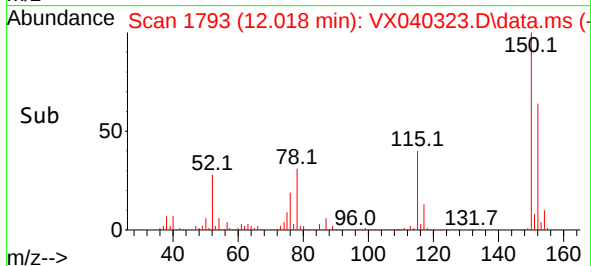
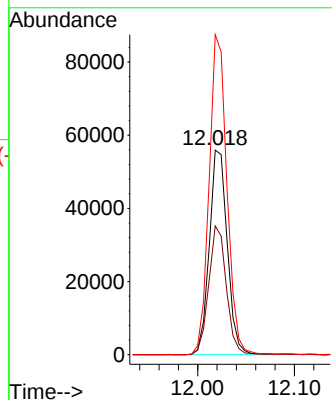
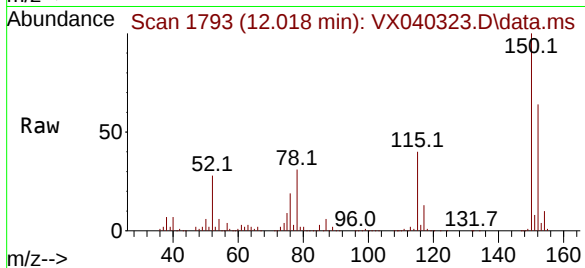
Tgt Ion:152 Resp: 72384

Ion Ratio Lower Upper

152 100

115 61.7 43.3 129.9

150 155.3 0.0 345.0



#84

1,2,4-Trimethylbenzene

Concen: 1.424 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX040323.D

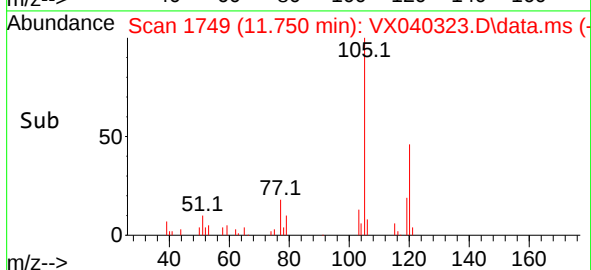
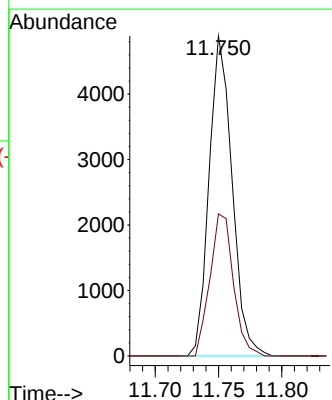
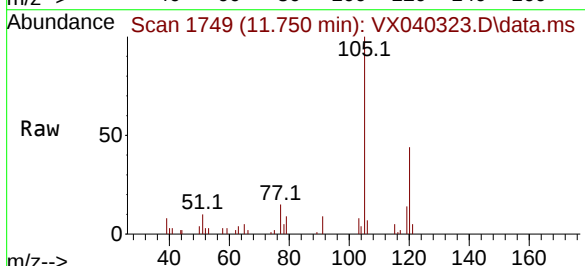
Acq: 19 Feb 2024 12:22

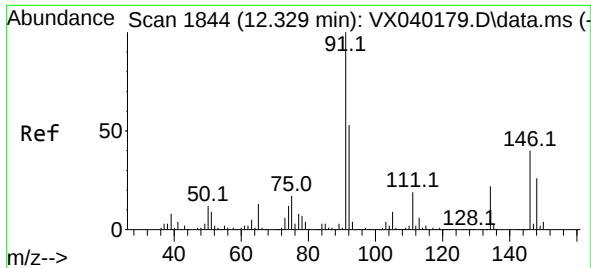
Tgt Ion:105 Resp: 6182

Ion Ratio Lower Upper

105 100

120 45.3 21.2 63.6





#89  
 n-Butylbenzene  
 Concen: 0.296 ug/l  
 RT: 12.335 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX040323.D  
 Acq: 19 Feb 2024 12:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 B-4(4-6)

Tgt Ion: 91 Resp: 1268  
 Ion Ratio Lower Upper  
 91 100  
 92 51.8 27.4 82.0  
 134 27.8 12.6 37.8

