

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051324\  
 Data File : VX041487.D  
 Acq On : 13 May 2024 13:09  
 Operator : JC/MD  
 Sample : P2455-02DL 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RMW-02B-66-051024DL

Quant Time: May 14 01:31:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 06:03:16 2024  
 Response via : Initial Calibration

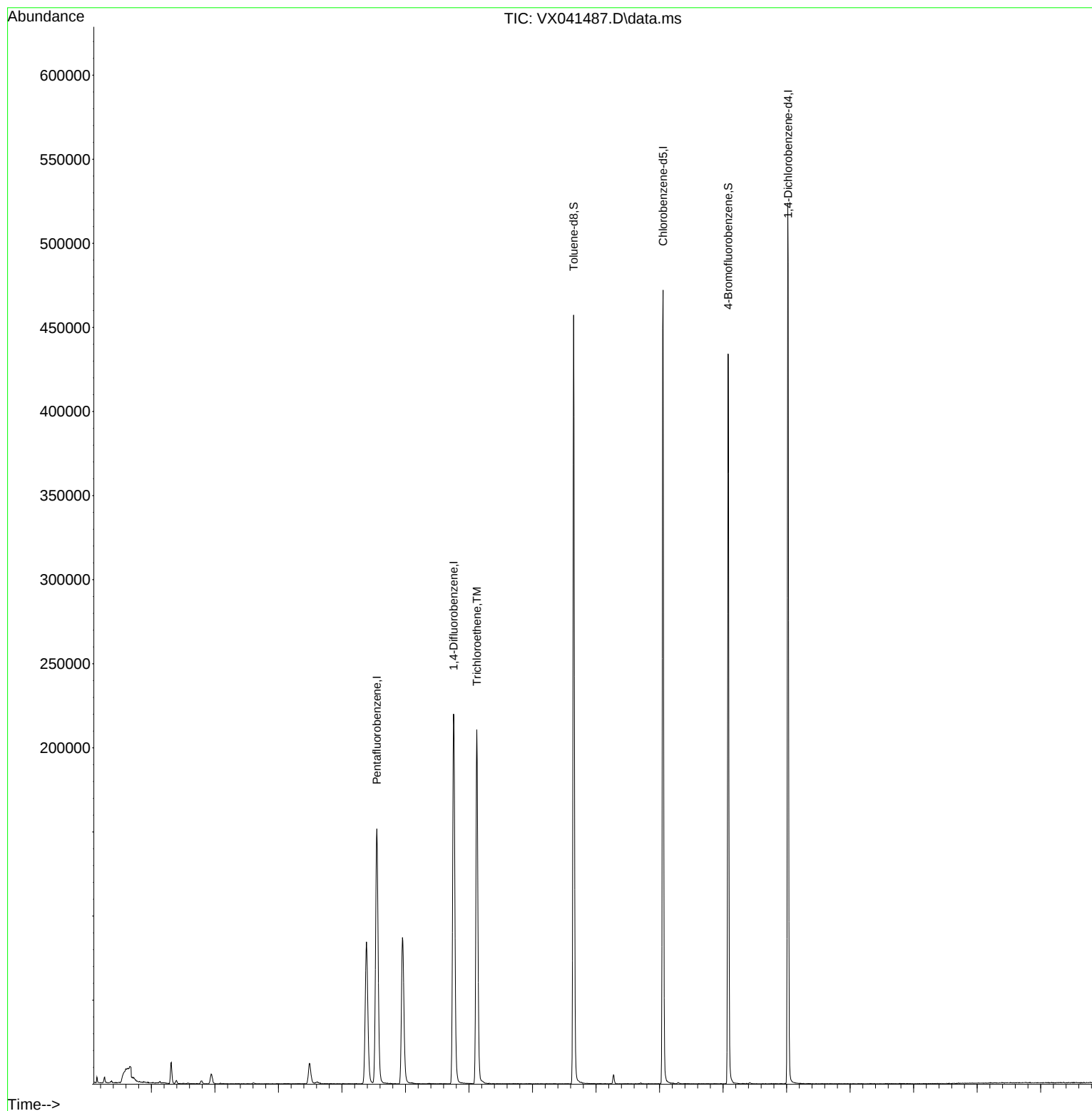
| Compound                    | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|----------|----------|
| -----                       |        |                |          |        |          |          |
| Internal Standards          |        |                |          |        |          |          |
| 1) Pentafluorobenzene       | 5.550  | 168            | 158748   | 50.000 | ug/l     | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.757  | 114            | 236282   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117            | 227458   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152            | 118284   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65             | 89229    | 51.631 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 78 - 117 | Recovery | =      | 103.260% |          |
| 35) Dibromofluoromethane    | 5.385  | 113            | 72475    | 45.263 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | =      | 90.520%  |          |
| 50) Toluene-d8              | 8.647  | 98             | 273500   | 53.966 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 92 - 112 | Recovery | =      | 107.940% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95             | 103709   | 52.863 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | =      | 105.720% |          |
| Target Compounds            |        |                |          |        |          |          |
|                             |        |                |          |        |          | Qvalue   |
| 12) 1,1-Dichloroethene      | 2.313  | 96             | 3802     | 3.091  | ug/l     | 85       |
| 20) Methylene Chloride      | 2.788  | 84             | 1041     | 0.694  | ug/l #   | 87       |
| 27) cis-1,2-Dichloroethene  | 4.489  | 96             | 8358     | 5.135  | ug/l     | 81       |
| 44) Trichloroethene         | 7.123  | 130            | 86205    | 55.310 | ug/l     | 89       |
| 64) Tetrachloroethene       | 9.281  | 164            | 1223     | 0.743  | ug/l #   | 74       |
| -----                       |        |                |          |        |          |          |

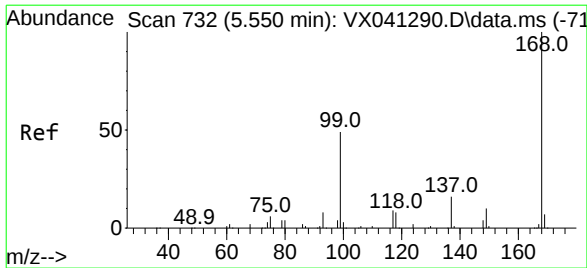
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2455-02DL 50X  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RMW-02B-66-051024DL

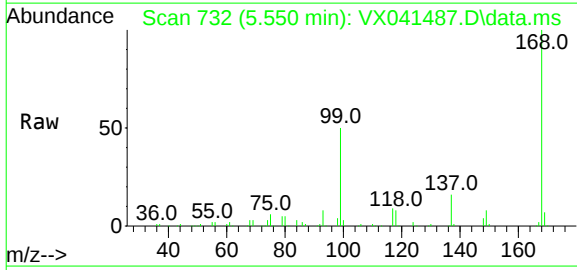
Quant Time: May 14 01:31:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 06:03:16 2024  
Response via : Initial Calibration



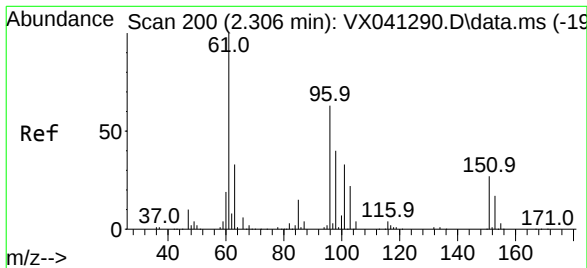
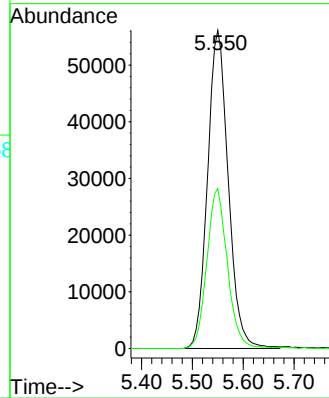
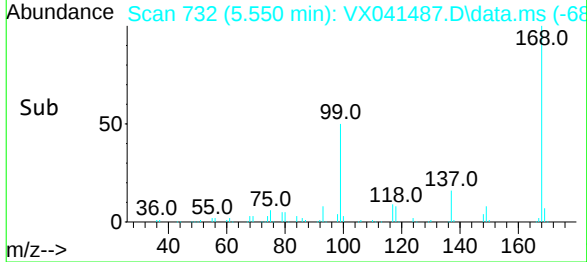


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
RMW-02B-66-051024DL

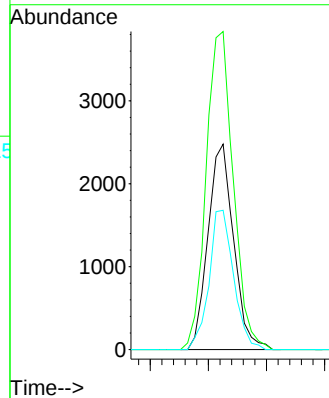
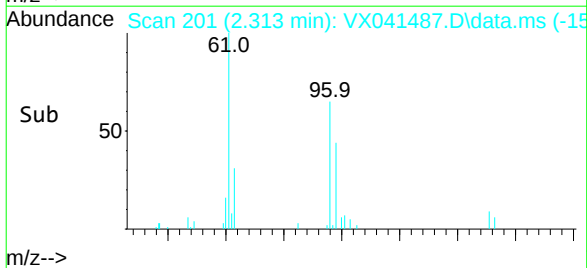
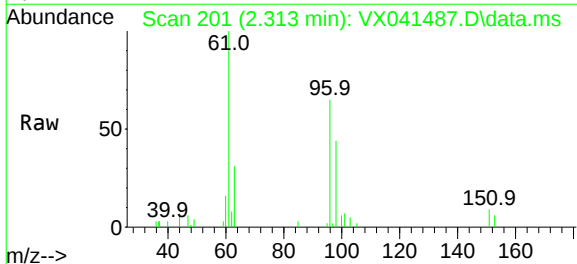


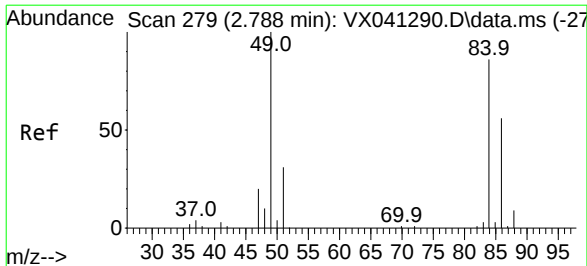
Tgt Ion:168 Resp: 158748  
Ion Ratio Lower Upper  
168 100  
99 50.3 56.6 85.0#



#12  
1,1-Dichloroethene  
Concen: 3.091 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:09

Tgt Ion: 96 Resp: 3802  
Ion Ratio Lower Upper  
96 100  
61 154.8 144.6 216.8  
98 67.8 50.4 75.6





#20

Methylene Chloride

Concen: 0.694 ug/l

RT: 2.788 min Scan# 27

Delta R.T. 0.000 min

Lab File: VX041487.D

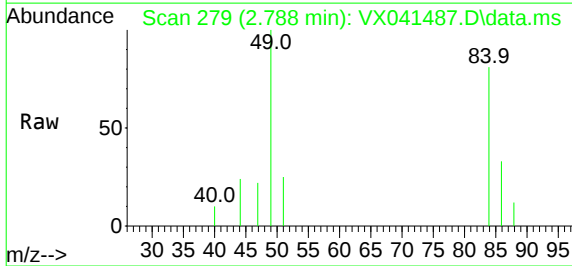
Acq: 13 May 2024 13:09

Instrument :

MSVOA\_X

ClientSampleId :

RMW-02B-66-051024DL



Tgt Ion: 84 Resp: 1041

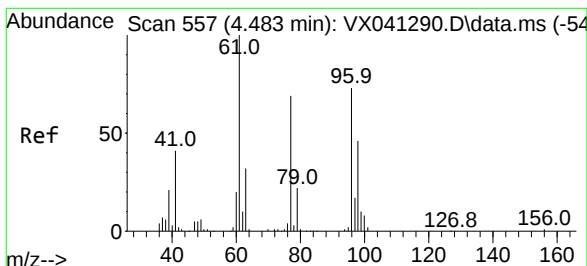
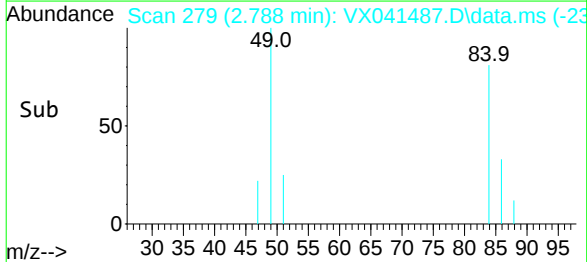
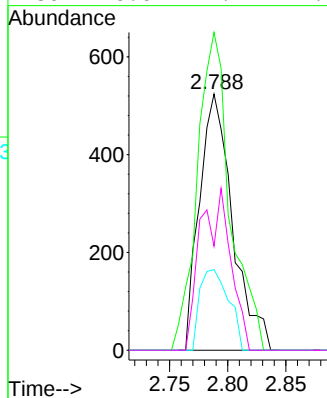
Ion Ratio Lower Upper

84 100

49 124.0 103.6 155.4

51 31.5 33.8 50.6#

86 40.6 49.4 74.0#



#27

cis-1,2-Dichloroethene

Concen: 5.135 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX041487.D

Acq: 13 May 2024 13:09

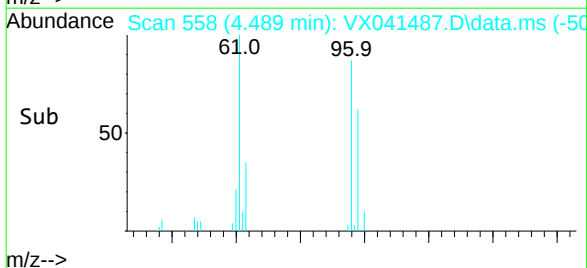
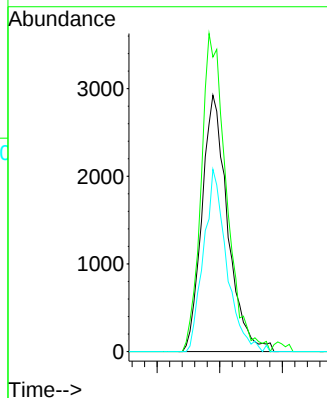
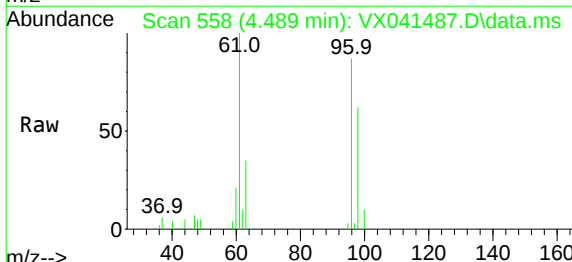
Tgt Ion: 96 Resp: 8358

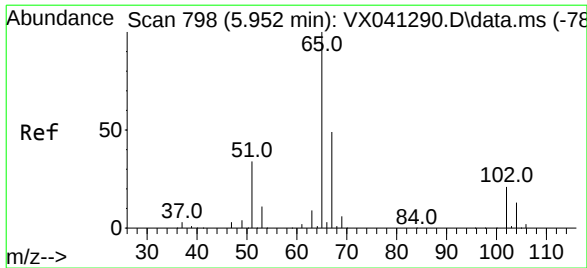
Ion Ratio Lower Upper

96 100

61 121.7 0.0 312.2

98 63.5 0.0 129.0

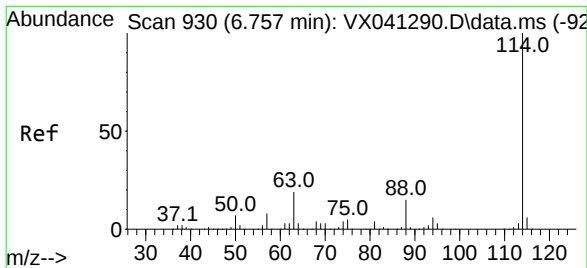
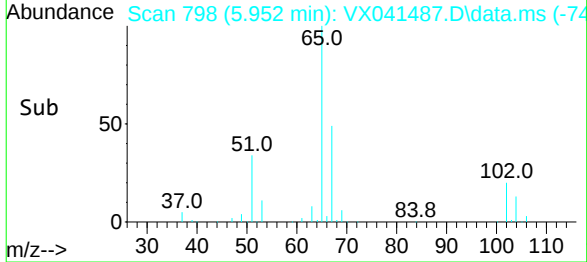
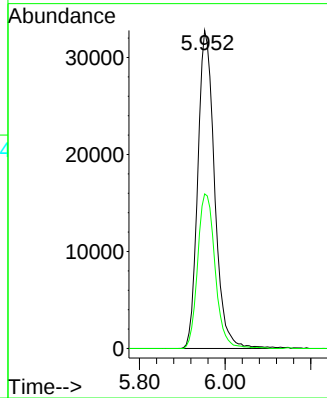
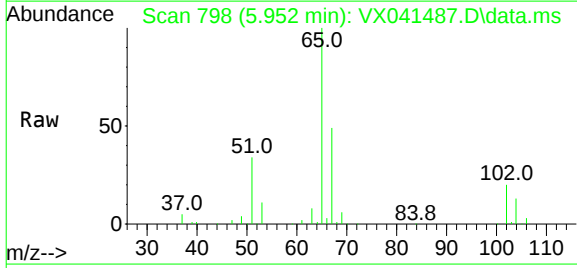




#33  
1,2-Dichloroethane-d4  
Concen: 51.631 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:09

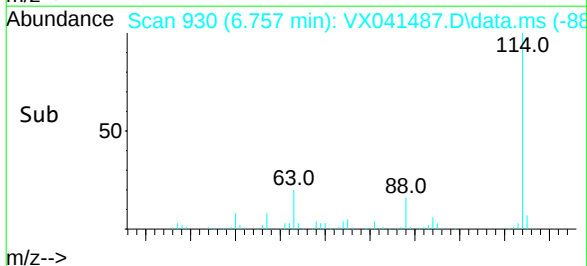
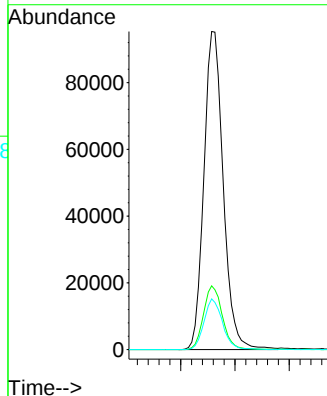
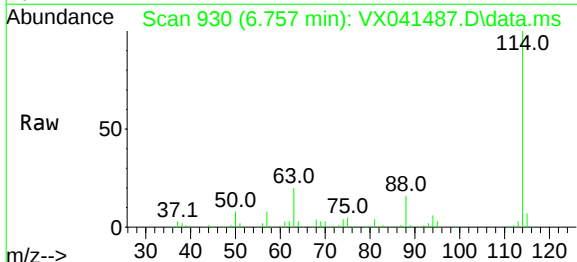
Instrument :  
MSVOA\_X  
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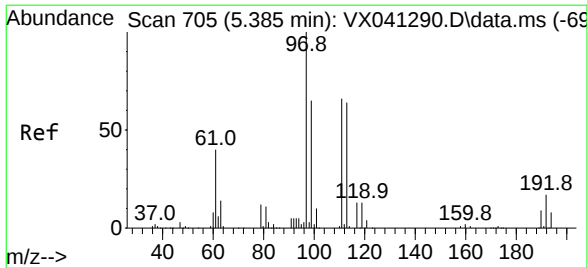
Tgt Ion: 65 Resp: 89229  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. 0.000 min  
Lab File: VX041487.D  
Acq: 13 May 2024 13:09

Tgt Ion: 114 Resp: 236282  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 45.0  
88 15.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.263 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX041487.D

Acq: 13 May 2024 13:09

Instrument :

MSVOA\_X

ClientSampleId :

RMW-02B-66-051024DL

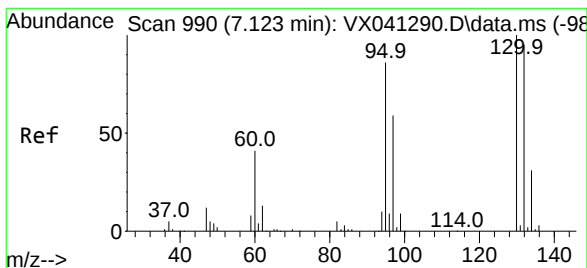
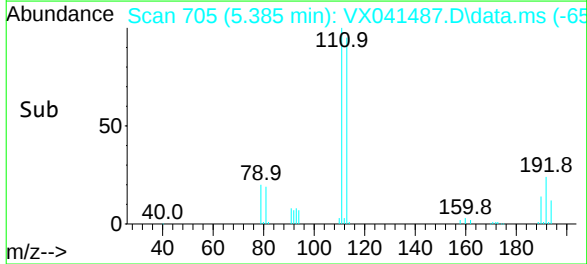
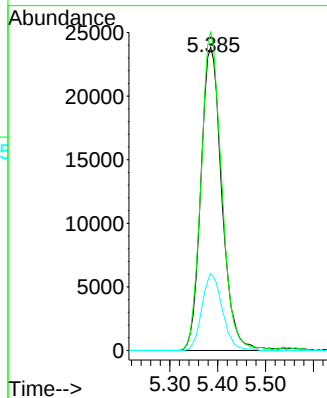
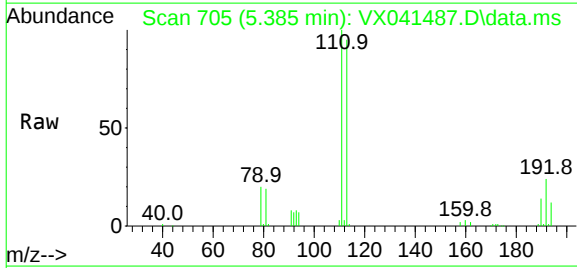
Tgt Ion:113 Resp: 72475

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 24.7 13.3 19.9#



#44

Trichloroethene

Concen: 55.310 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX041487.D

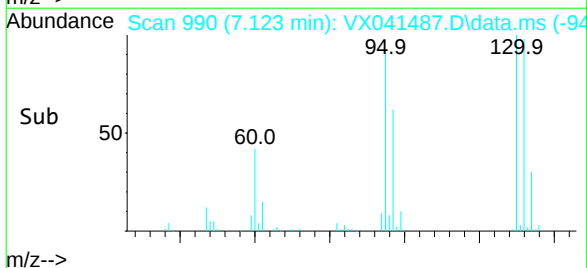
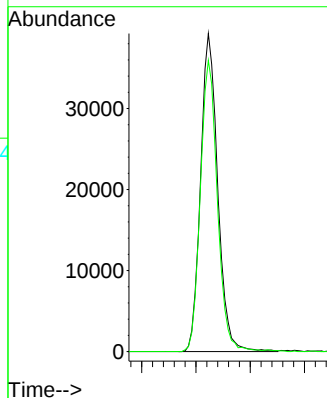
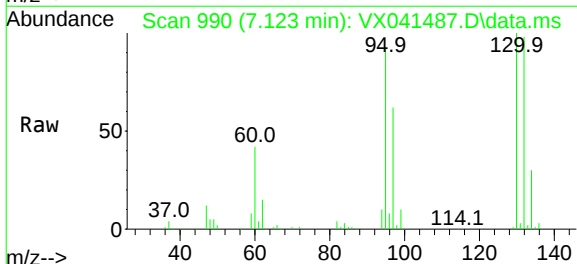
Acq: 13 May 2024 13:09

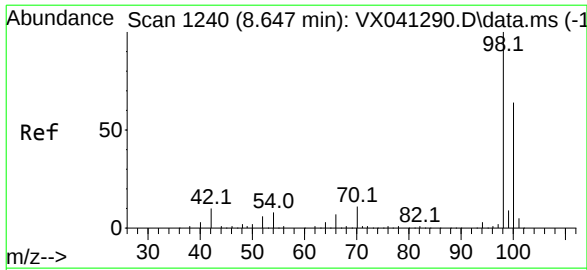
Tgt Ion:130 Resp: 86205

Ion Ratio Lower Upper

130 100

95 91.5 0.0 204.4





#50

Toluene-d8

Concen: 53.966 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX041487.D

Acq: 13 May 2024 13:09

Instrument :

MSVOA\_X

ClientSampleId :

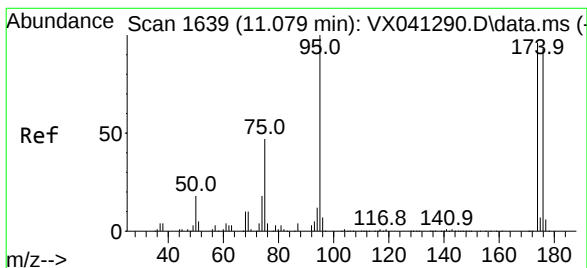
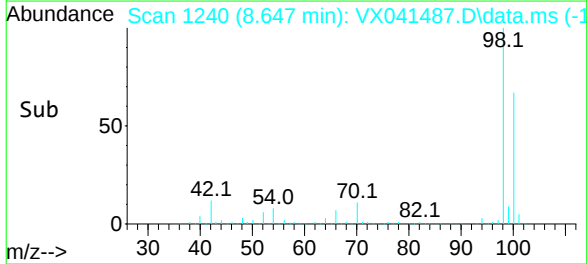
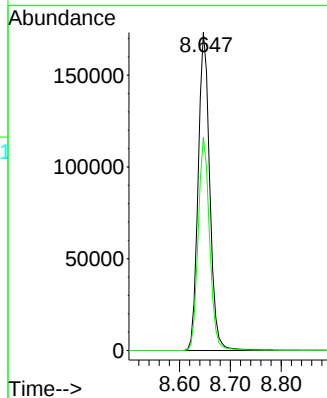
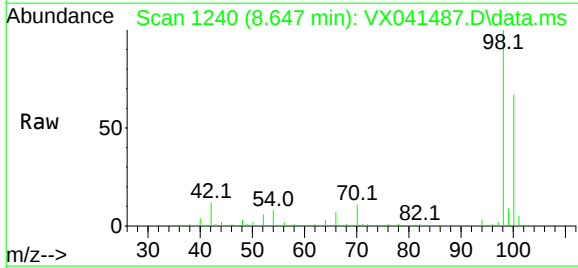
RMW-02B-66-051024DL

Tgt Ion: 98 Resp: 273500

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 52.863 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041487.D

Acq: 13 May 2024 13:09

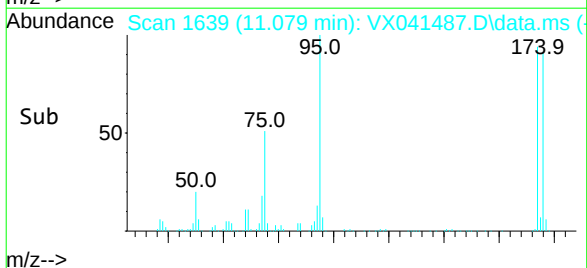
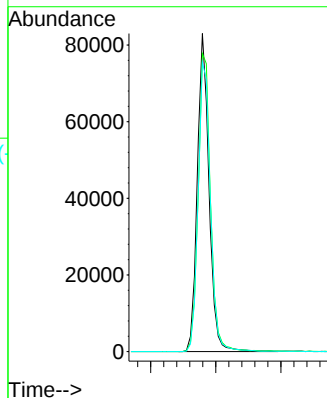
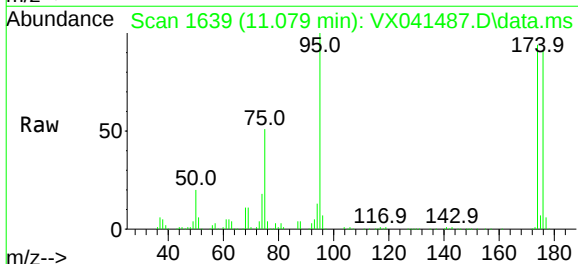
Tgt Ion: 95 Resp: 103709

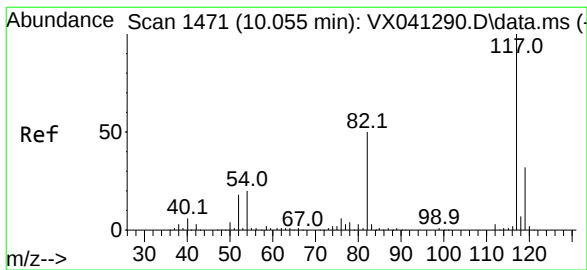
Ion Ratio Lower Upper

95 100

174 98.5 0.0 135.6

176 95.8 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: VX041487.D

Acq: 13 May 2024 13:09

Instrument :

MSVOA\_X

ClientSampleId :

RMW-02B-66-051024DL

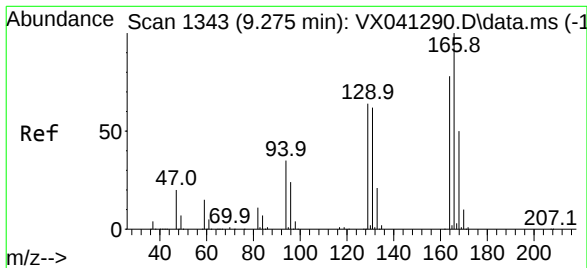
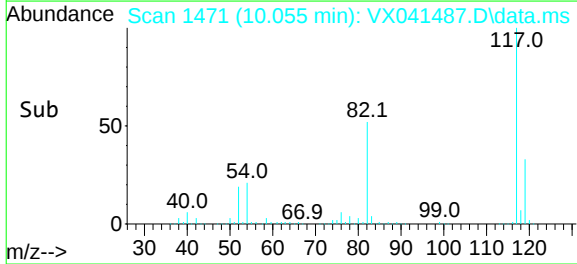
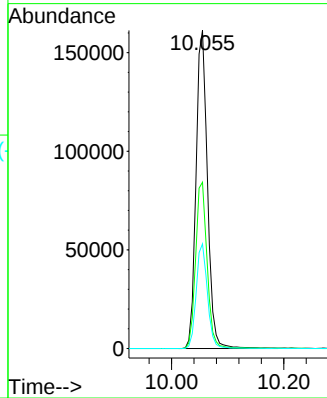
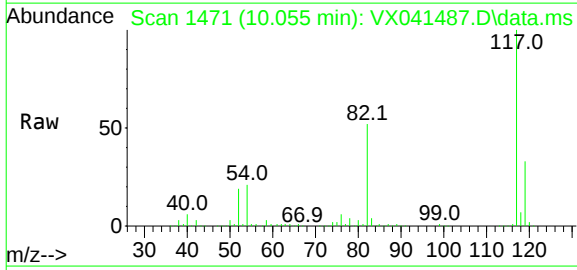
Tgt Ion:117 Resp: 227458

Ion Ratio Lower Upper

117 100

82 52.3 46.2 69.4

119 32.9 25.5 38.3



#64

Tetrachloroethene

Concen: 0.743 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX041487.D

Acq: 13 May 2024 13:09

Tgt Ion:164 Resp: 1223

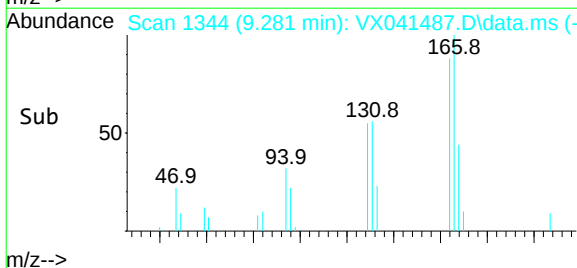
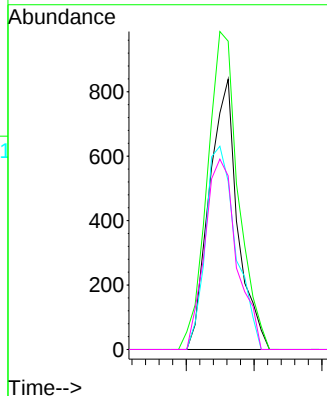
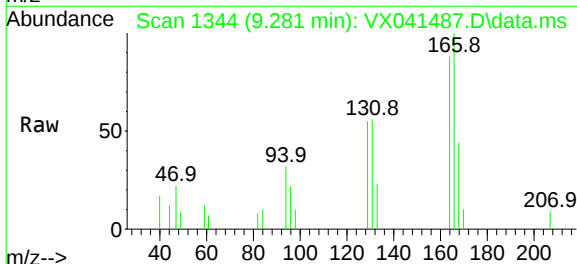
Ion Ratio Lower Upper

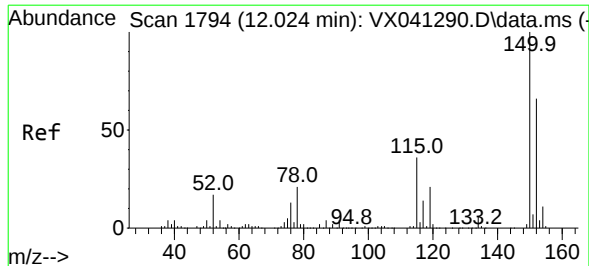
164 100

166 114.1 102.7 154.1

129 62.2 80.4 120.6#

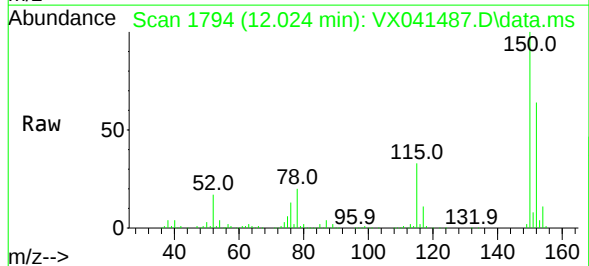
131 64.2 76.5 114.7#





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 17  
 Delta R.T. 0.000 min  
 Lab File: VX041487.D  
 Acq: 13 May 2024 13:09

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RMW-02B-66-051024DL



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.3  | 43.3  | 129.9 |
| 150     | 156.2 | 0.0   | 345.0 |

