

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030424\  
 Data File : VX040562.D  
 Acq On : 04 Mar 2024 12:27  
 Operator : JC/MD  
 Sample : VX0304WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0304WBL01

Quant Time: Mar 05 00:22:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 27 05:01:33 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 78455    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 132739   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 128801   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 57771    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 64823    | 49.400   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 98.800% |
| 35) Dibromofluoromethane    | 5.391  | 113   | 44673    | 48.397   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 96.800% |
| 50) Toluene-d8              | 8.647  | 98    | 165659   | 49.442   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.880% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 57566    | 45.072   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 90.140% |

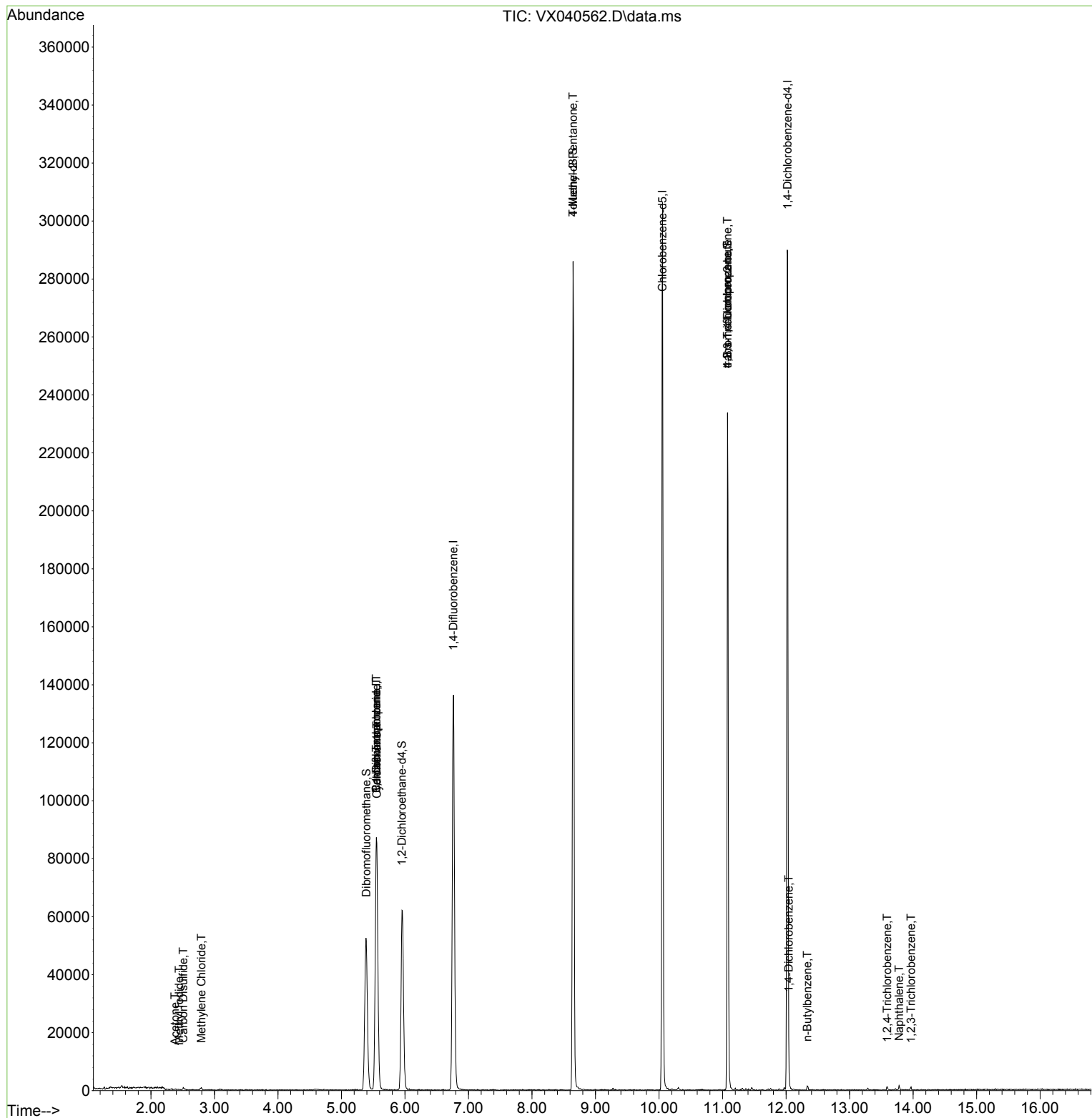
|                               |        |     |       |        |        |        |
|-------------------------------|--------|-----|-------|--------|--------|--------|
| Target Compounds              |        |     |       |        |        | Qvalue |
| 10) Methyl Iodide             | 2.447  | 142 | 18    | 3.024  | ug/l # | 34     |
| 16) Acetone                   | 2.380  | 43  | 236   | 0.551  | ug/l # | 47     |
| 17) Carbon Disulfide          | 2.508  | 76  | 829   | 0.335  | ug/l # | 92     |
| 20) Methylene Chloride        | 2.794  | 84  | 384   | 0.375  | ug/l # | 62     |
| 31) Cyclohexane               | 5.556  | 56  | 2030  | 1.365  | ug/l # | 12     |
| 36) 1,1-Dichloropropene       | 5.550  | 75  | 7216  | 5.074  | ug/l # | 51     |
| 38) Carbon Tetrachloride      | 5.550  | 117 | 8848  | 6.440  | ug/l # | 15     |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43  | 993   | 0.615  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 33442 | 26.302 | ug/l # | 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 33442 | 76.489 | ug/l # | 5      |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146 | 448   | 0.219  | ug/l # | 1      |
| 89) n-Butylbenzene            | 12.335 | 91  | 743   | 0.204  | ug/l # | 84     |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180 | 490   | 0.393  | ug/l   | 93     |
| 95) Naphthalene               | 13.780 | 128 | 1386  | 0.348  | ug/l # | 81     |
| 96) 1,2,3-Trichlorobenzene    | 13.969 | 180 | 389   | 0.328  | ug/l   | 80     |

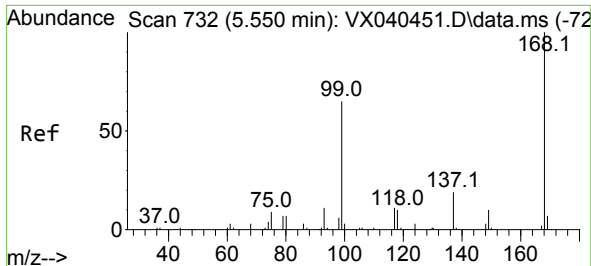
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030424\  
Data File : VX040562.D  
Acq On : 04 Mar 2024 12:27  
Operator : JC/MD  
Sample : VX0304WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0304WBL01

Quant Time: Mar 05 00:22:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 27 05:01:33 2024  
Response via : Initial Calibration

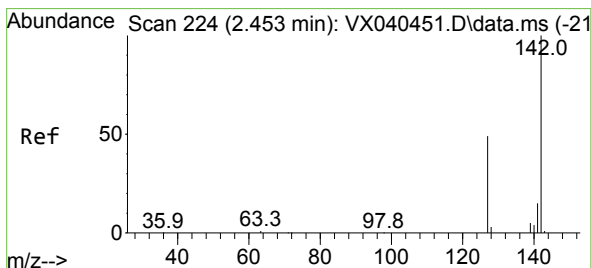
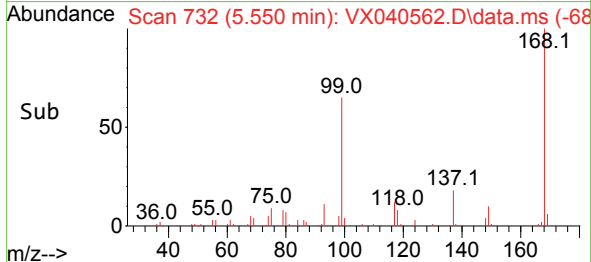
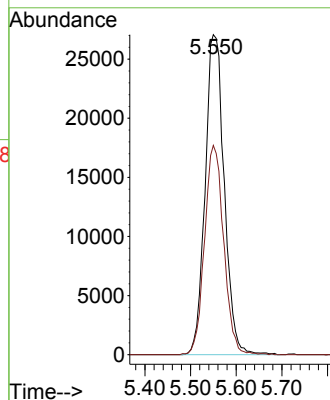
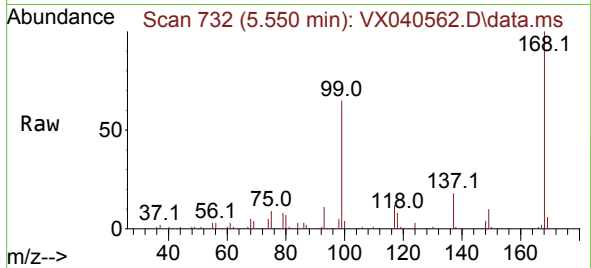




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

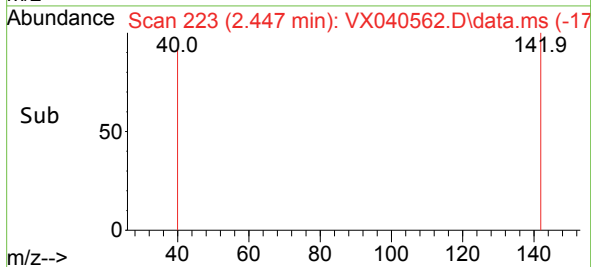
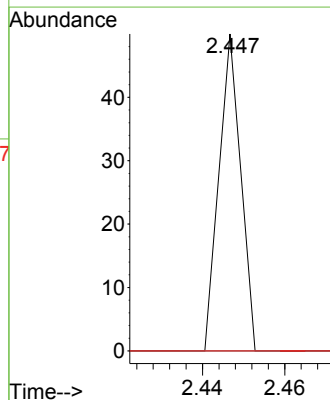
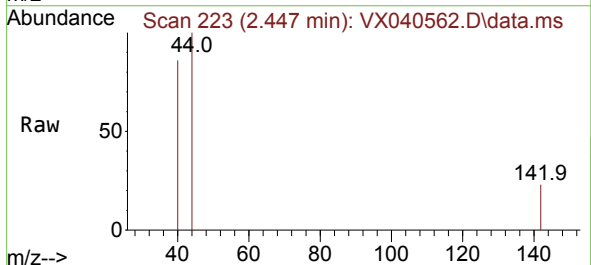
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0304WBL01

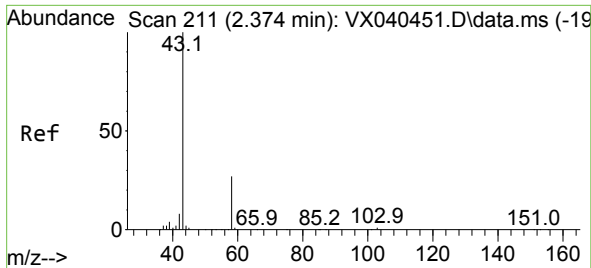
Tgt Ion:168 Resp: 78455  
Ion Ratio Lower Upper  
168 100  
99 65.4 56.6 85.0



#10  
Methyl Iodide  
Concen: 3.024 ug/l  
RT: 2.447 min Scan# 223  
Delta R.T. -0.006 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

Tgt Ion:142 Resp: 18  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.6 62.4#  
141 0.0 11.6 17.4#





#16

Acetone

Concen: 0.551 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX040562.D

Acq: 04 Mar 2024 12:27

Instrument :

MSVOA\_X

ClientSampleId :

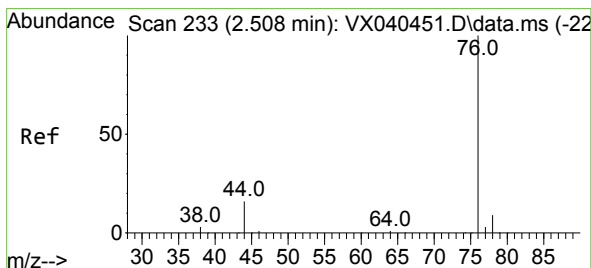
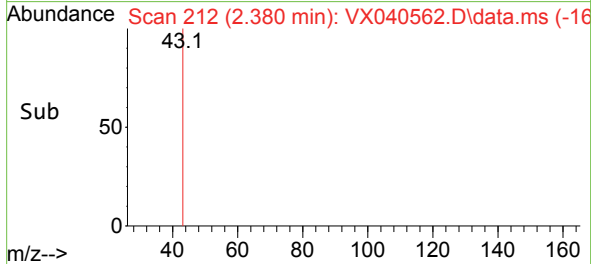
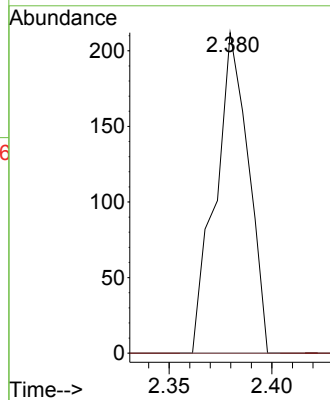
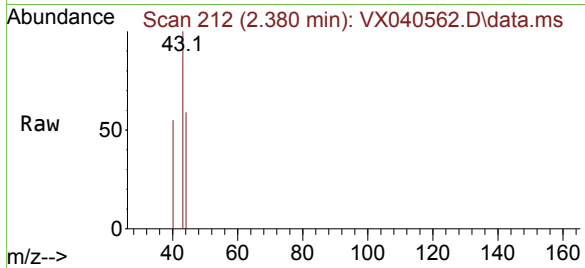
VX0304WBL01

Tgt Ion: 43 Resp: 236

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#17

Carbon Disulfide

Concen: 0.335 ug/l

RT: 2.508 min Scan# 233

Delta R.T. -0.000 min

Lab File: VX040562.D

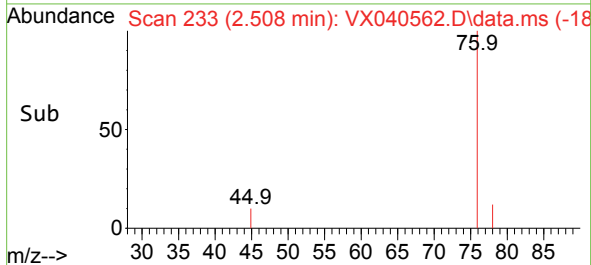
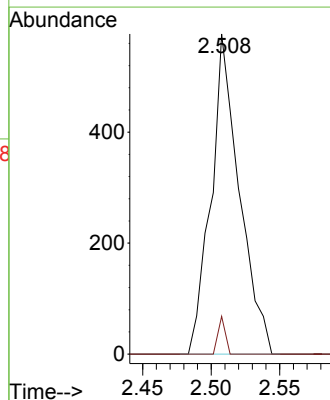
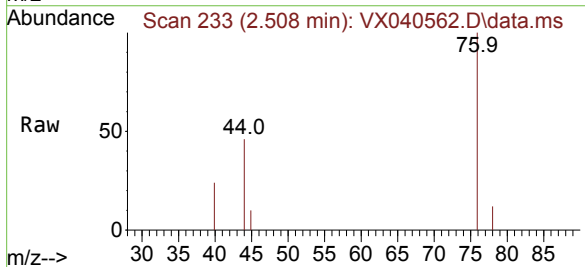
Acq: 04 Mar 2024 12:27

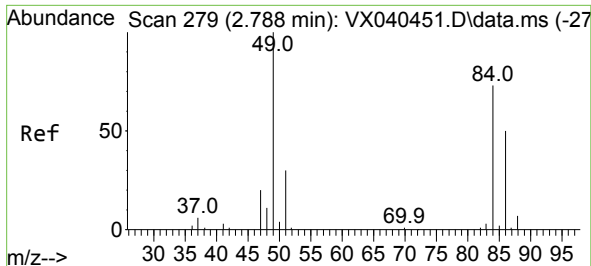
Tgt Ion: 76 Resp: 829

Ion Ratio Lower Upper

76 100

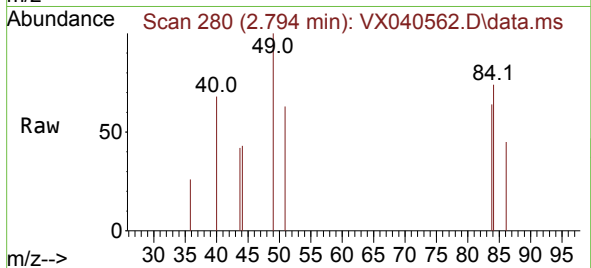
78 11.8 7.0 10.6#



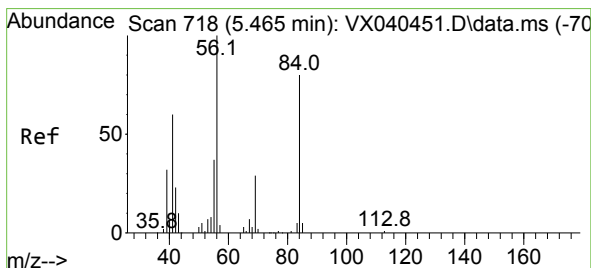
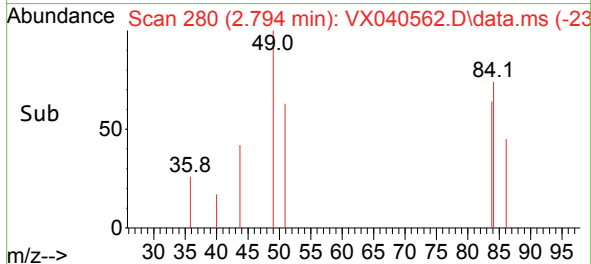
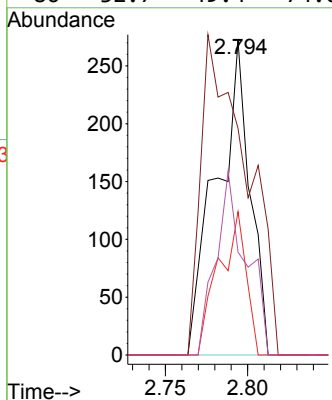


#20  
Methylene Chloride  
Concen: 0.375 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0304WBL01

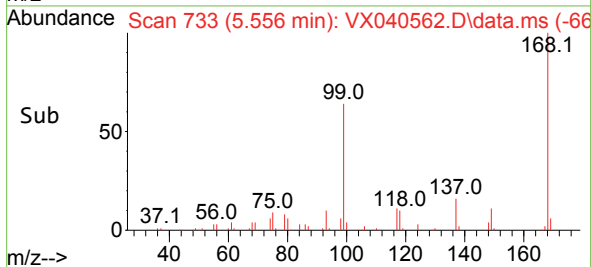
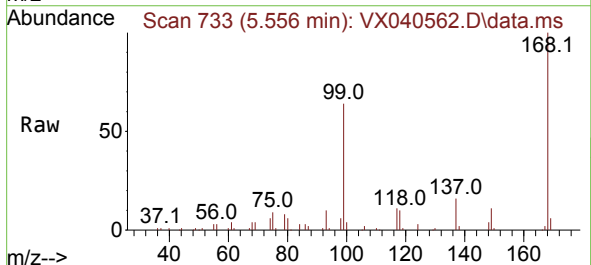
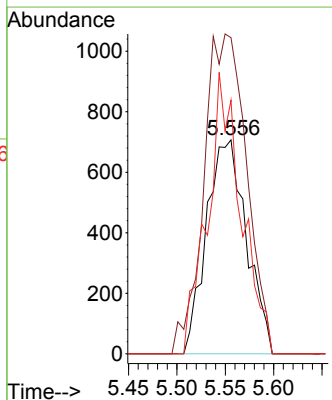


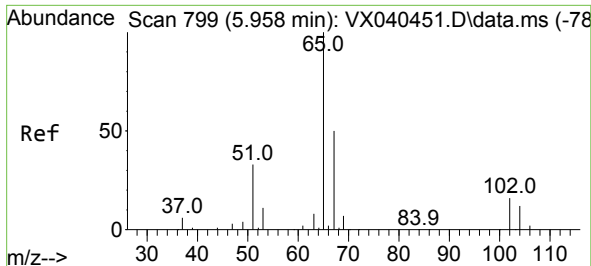
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 384    |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 72.1     | 103.6 155.4# |
| 51 45.6     | 33.8 50.6    |
| 86 32.7     | 49.4 74.0#   |



#31  
Cyclohexane  
Concen: 1.365 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.091 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 2030  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 147.8    | 23.4 35.2#  |
| 84 118.5    | 65.9 98.9#  |





#33

1,2-Dichloroethane-d4

Concen: 49.400 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040562.D

Acq: 04 Mar 2024 12:27

Instrument :

MSVOA\_X

ClientSampleId :

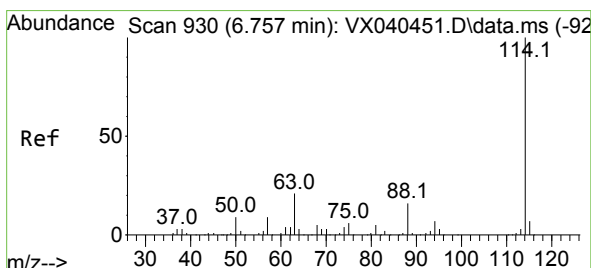
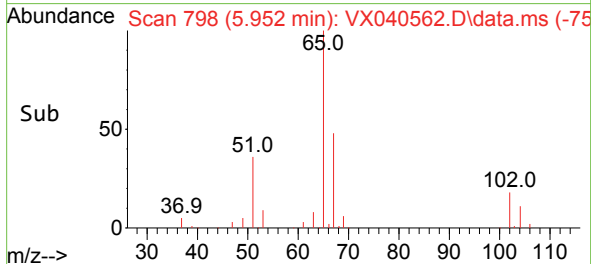
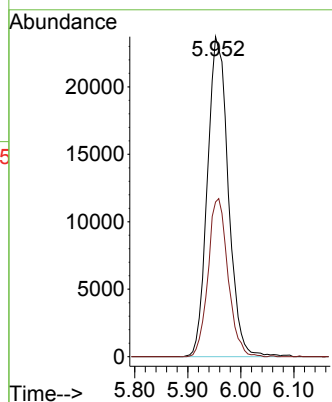
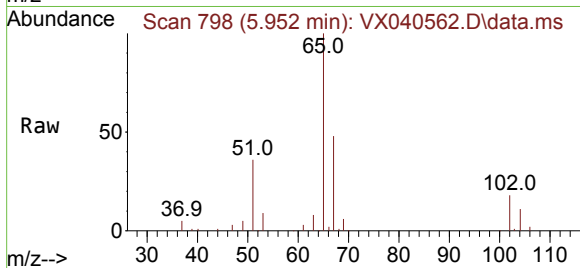
VX0304WBL01

Tgt Ion: 65 Resp: 64823

Ion Ratio Lower Upper

65 100

67 47.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040562.D

Acq: 04 Mar 2024 12:27

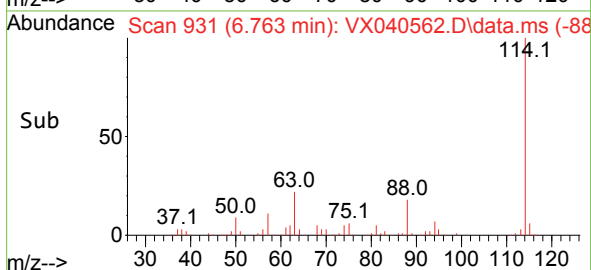
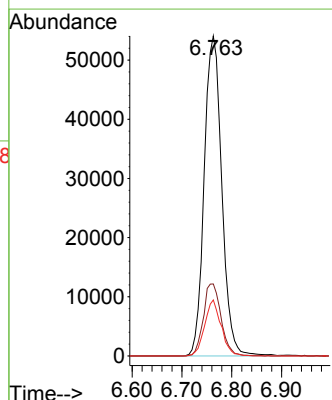
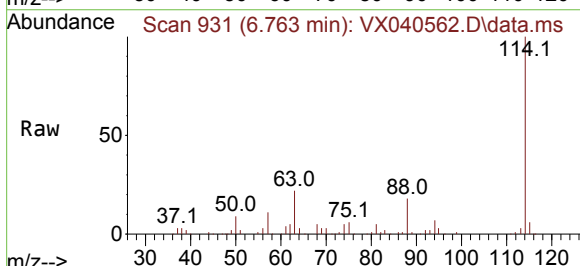
Tgt Ion:114 Resp: 132739

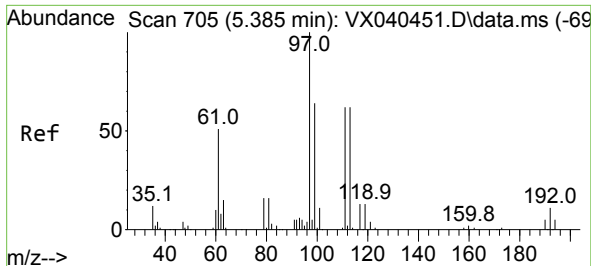
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 17.5 0.0 36.6

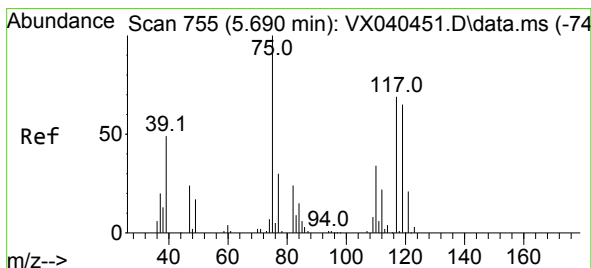
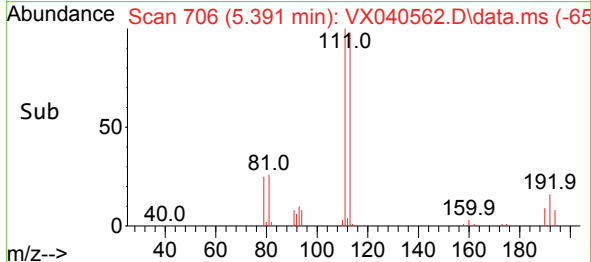
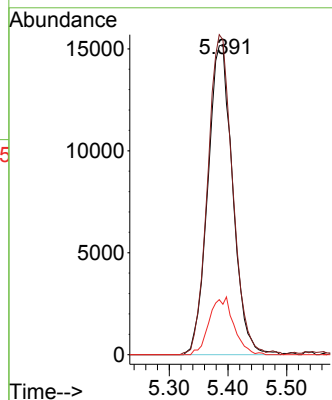
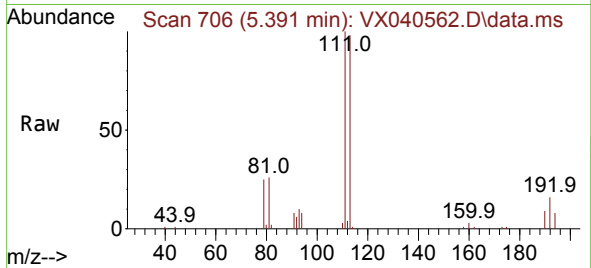




#35  
Dibromofluoromethane  
Concen: 48.397 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

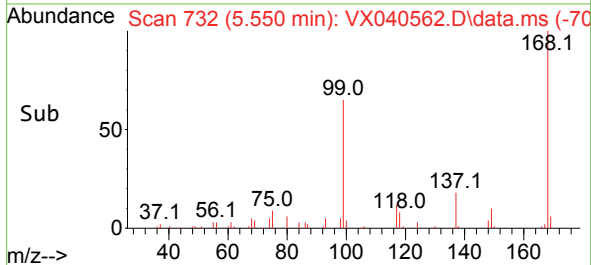
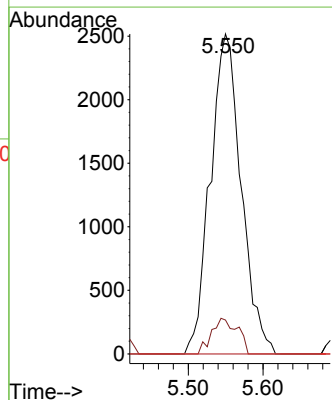
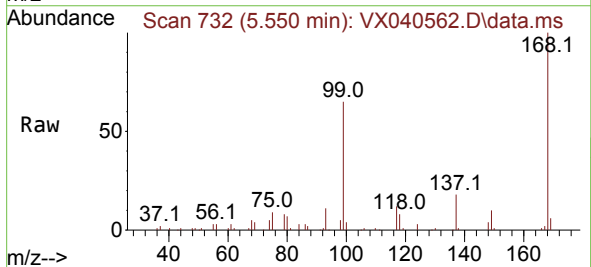
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0304WBL01

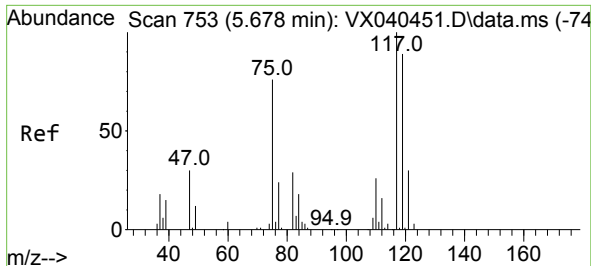
Tgt Ion:113 Resp: 44673  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.9 124.3  
192 18.3 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 5.074 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

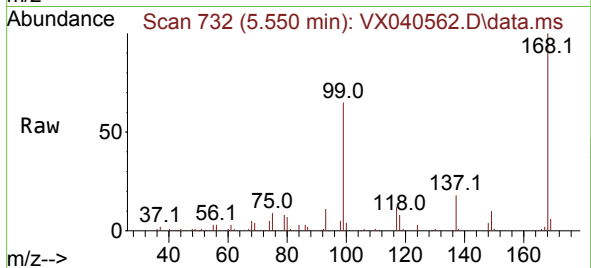
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Ion Ratio Lower Upper  
75 100  
110 9.3 17.0 50.9#  
77 0.0 24.7 37.1#



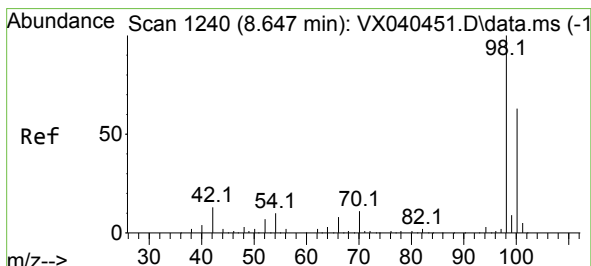
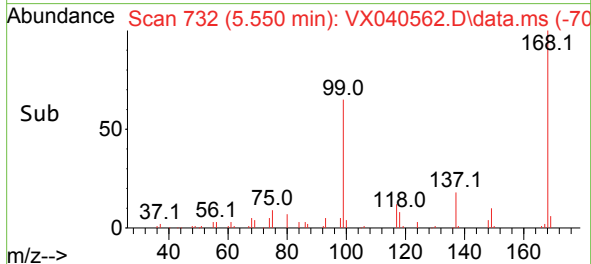
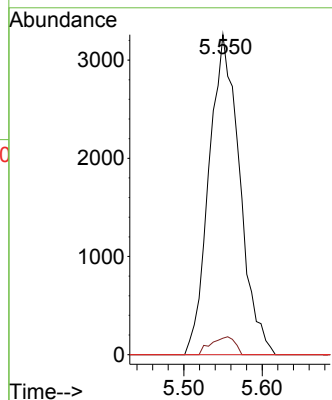


#38  
Carbon Tetrachloride  
Concen: 6.440 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0304WBL01

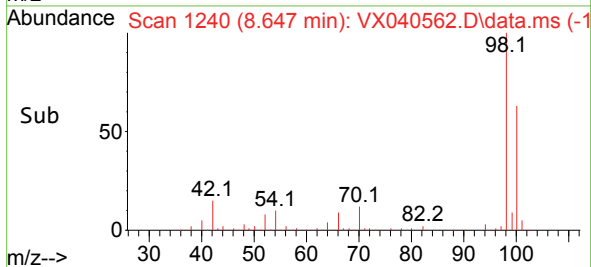
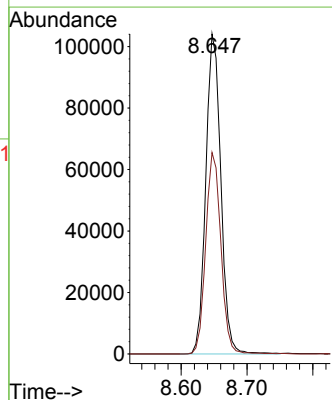
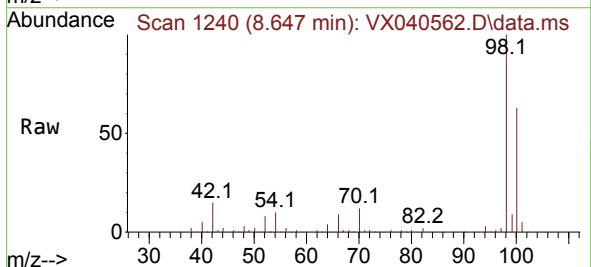


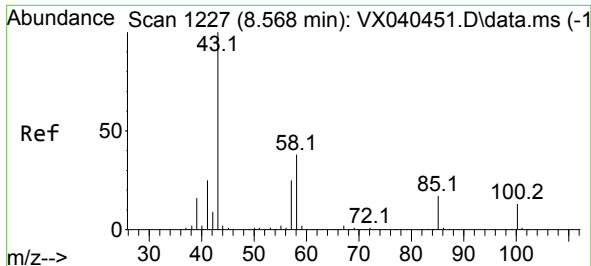
Tgt Ion:117 Resp: 8848  
Ion Ratio Lower Upper  
117 100  
119 5.1 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 49.442 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

Tgt Ion: 98 Resp: 165659  
Ion Ratio Lower Upper  
98 100  
100 63.3 53.1 79.7

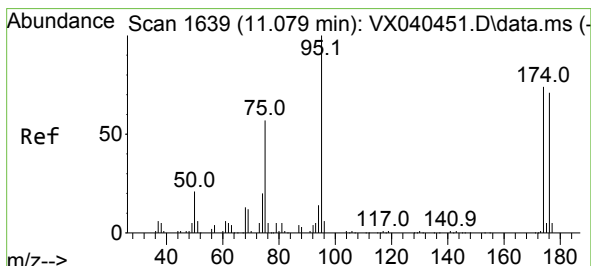
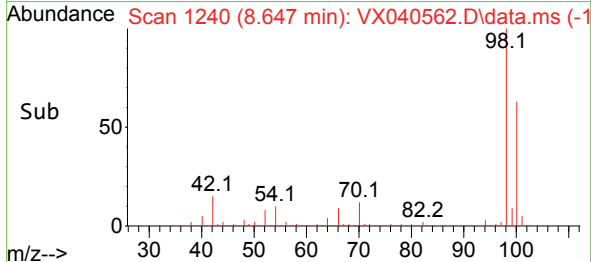
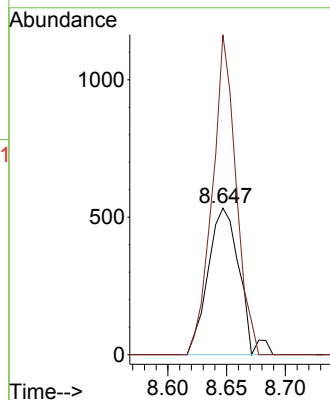
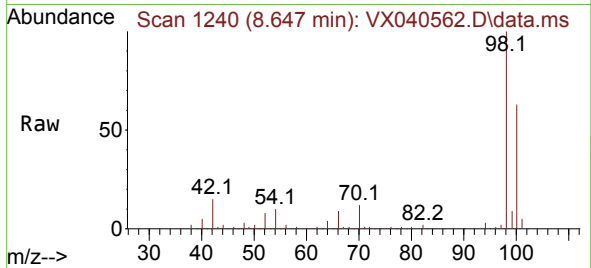




#51  
4-Methyl-2-Pentanone  
Concen: 0.615 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.079 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

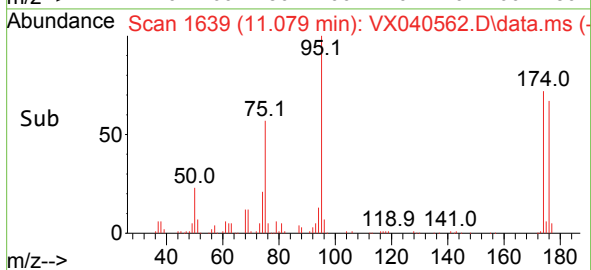
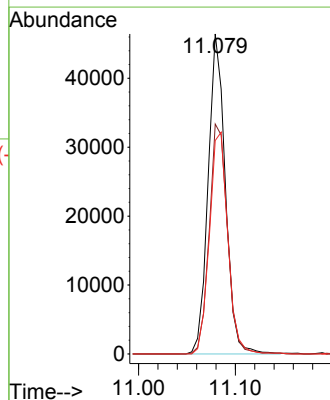
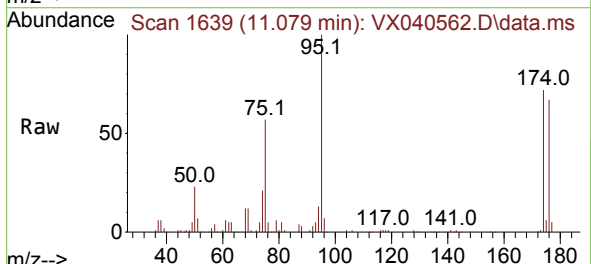
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0304WBL01

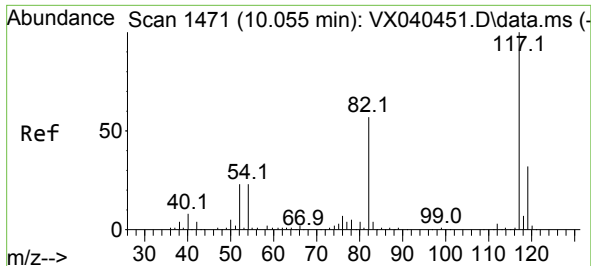
Tgt Ion: 43 Resp: 993  
Ion Ratio Lower Upper  
43 100  
58 164.8 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 45.072 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

Tgt Ion: 95 Resp: 57566  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 135.6  
176 74.0 0.0 131.0

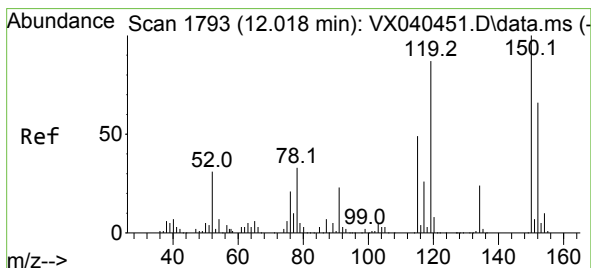
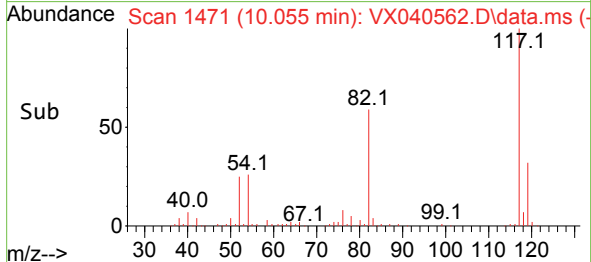
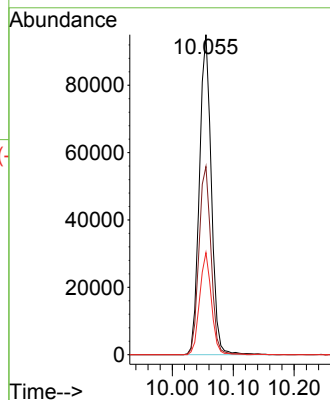
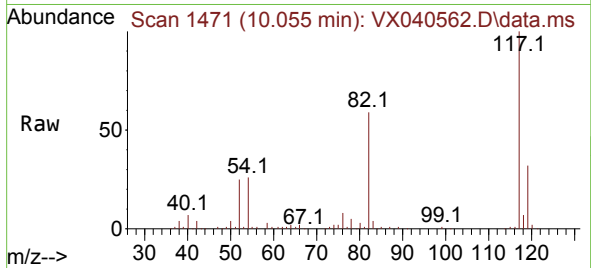




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

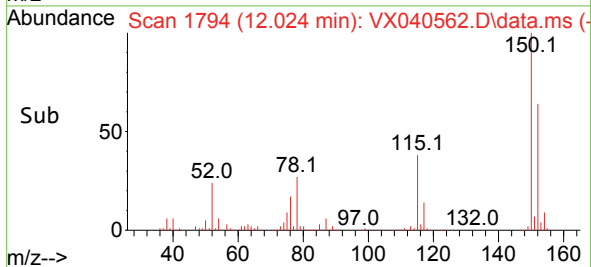
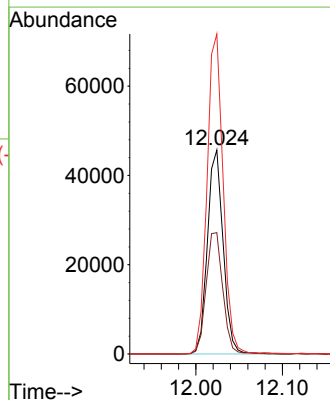
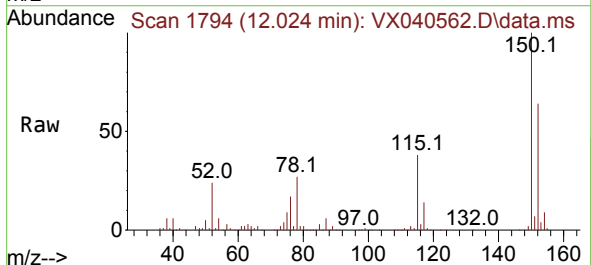
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0304WBL01

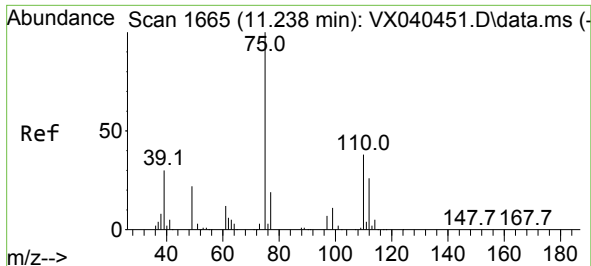
Tgt Ion:117 Resp: 128801  
Ion Ratio Lower Upper  
117 100  
82 58.8 46.2 69.4  
119 31.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

Tgt Ion:152 Resp: 57771  
Ion Ratio Lower Upper  
152 100  
115 62.9 43.3 129.9  
150 160.1 0.0 345.0

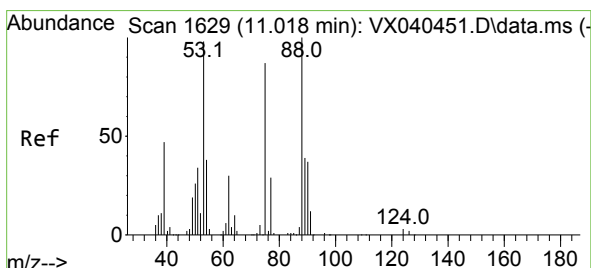
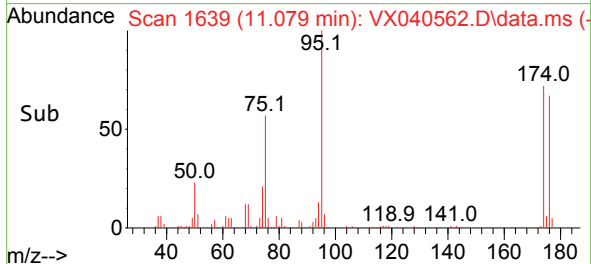
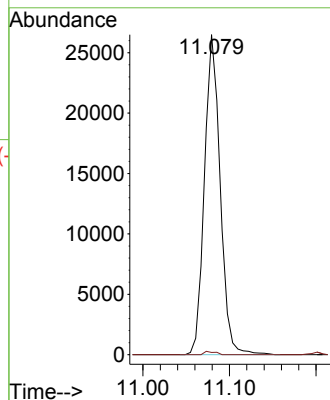
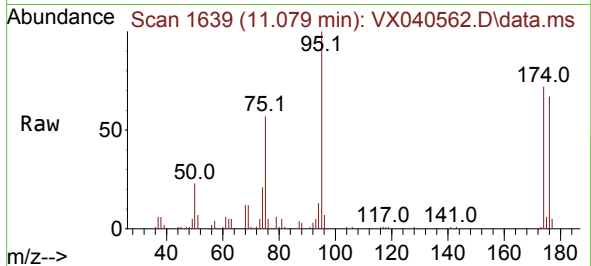




#76  
1,2,3-Trichloropropane  
Concen: 26.302 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

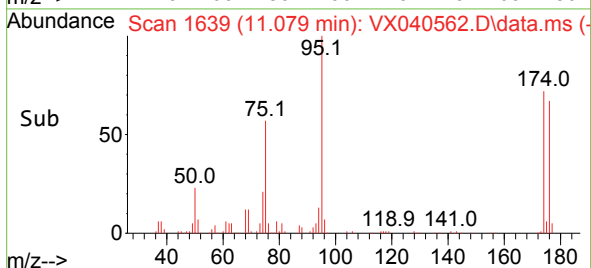
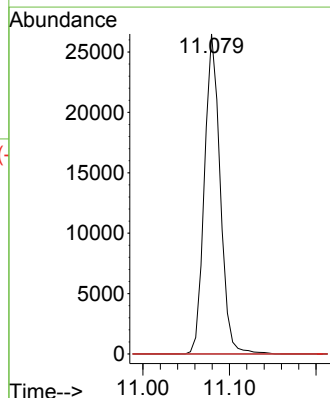
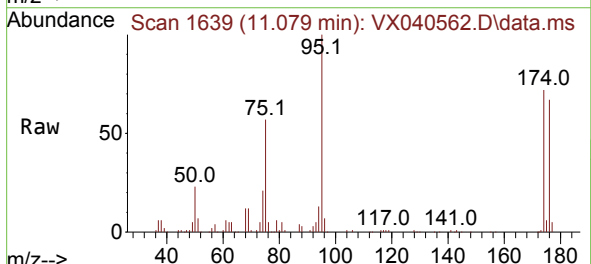
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0304WBL01

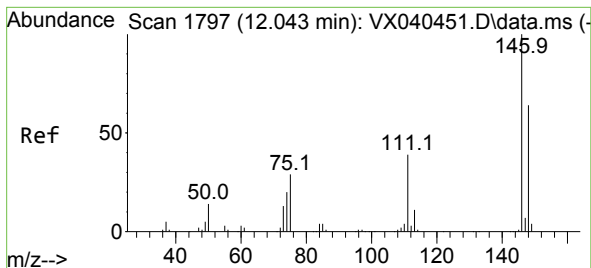
Tgt Ion: 75 Resp: 33442  
Ion Ratio Lower Upper  
75 100  
77 0.7 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.489 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX040562.D  
Acq: 04 Mar 2024 12:27

Tgt Ion: 75 Resp: 33442  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#





#88

1,4-Dichlorobenzene

Concen: 0.219 ug/l

RT: 12.043 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040562.D

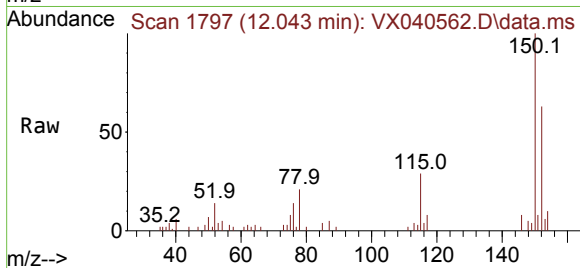
Acq: 04 Mar 2024 12:27

Instrument :

MSVOA\_X

ClientSampleId :

VX0304WBL01



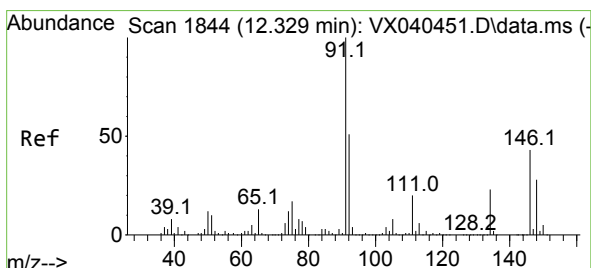
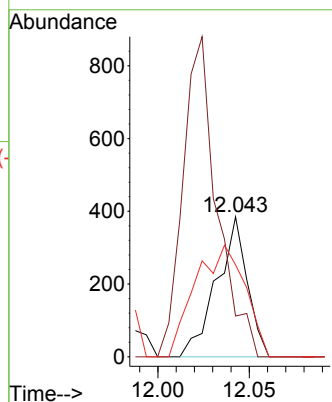
Tgt Ion:146 Resp: 448

Ion Ratio Lower Upper

146 100

111 254.5 21.3 63.7#

148 130.6 31.8 95.4#



#89

n-Butylbenzene

Concen: 0.204 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040562.D

Acq: 04 Mar 2024 12:27

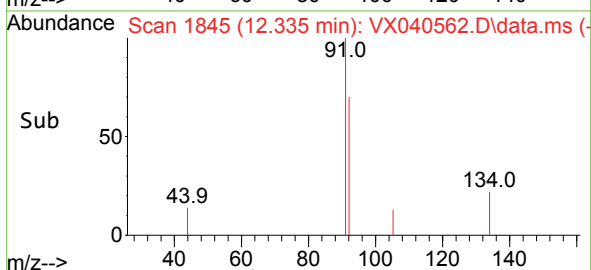
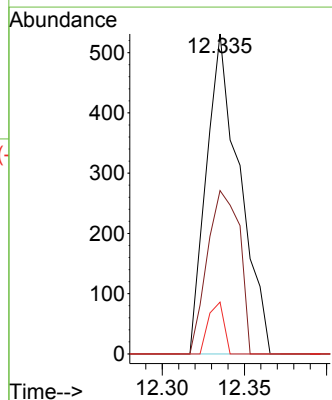
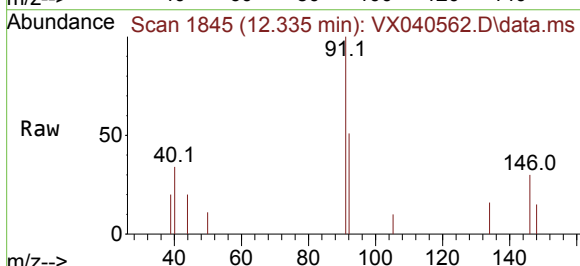
Tgt Ion: 91 Resp: 743

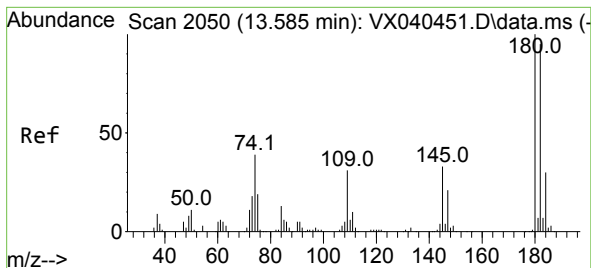
Ion Ratio Lower Upper

91 100

92 49.5 27.4 82.0

134 7.5 12.6 37.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.393 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX040562.D

Acq: 04 Mar 2024 12:27

Instrument :

MSVOA\_X

ClientSampleId :

VX0304WBL01

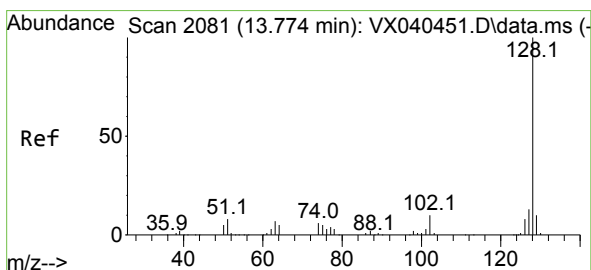
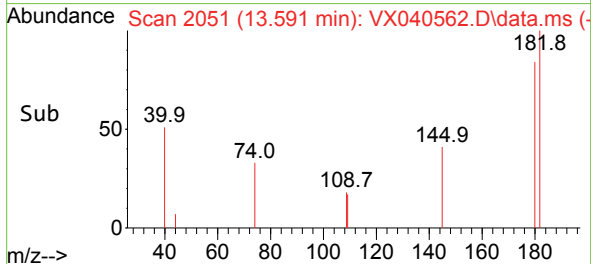
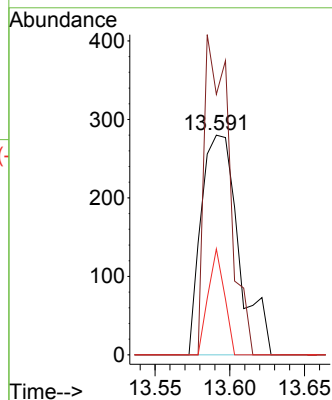
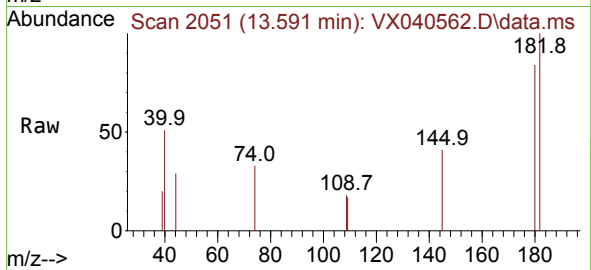
Tgt Ion:180 Resp: 490

Ion Ratio Lower Upper

180 100

182 96.5 48.3 144.8

145 20.8 18.0 54.0



#95

Naphthalene

Concen: 0.348 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040562.D

Acq: 04 Mar 2024 12:27

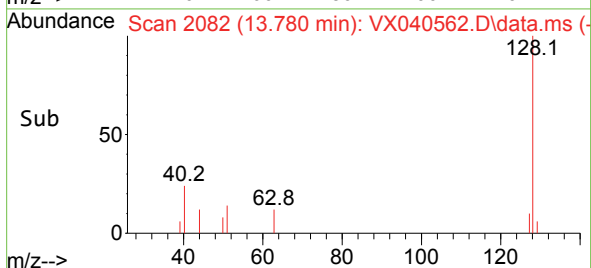
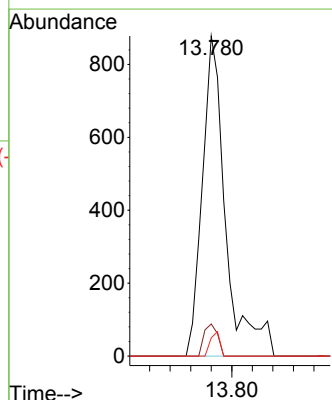
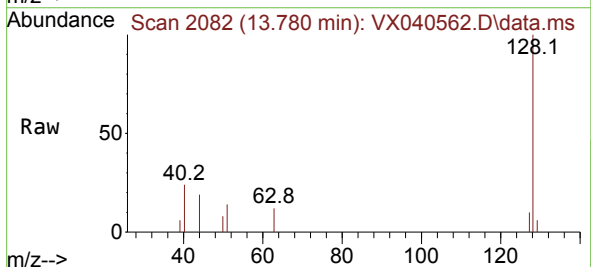
Tgt Ion:128 Resp: 1386

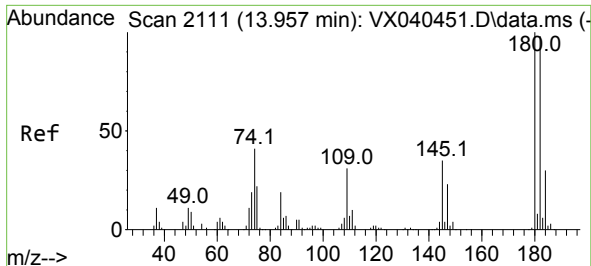
Ion Ratio Lower Upper

128 100

127 5.8 10.3 15.5#

129 3.1 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.328 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX040562.D

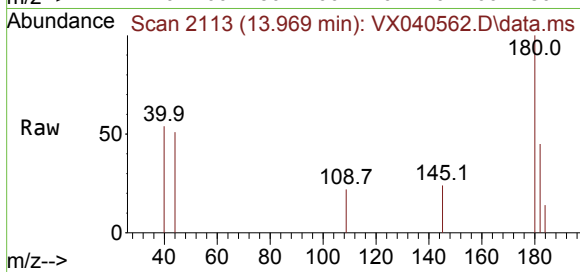
Acq: 04 Mar 2024 12:27

Instrument :

MSVOA\_X

ClientSampleId :

VX0304WBL01



Tgt Ion:180 Resp: 389

Ion Ratio Lower Upper

180 100

182 74.0 46.9 140.6

145 24.9 17.8 53.5

