

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102824\  
 Data File : VX043565.D  
 Acq On : 28 Oct 2024 15:52  
 Operator : JC/MD  
 Sample : VV1028WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1028WBL01

Quant Time: Oct 29 03:24:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 28 13:41:34 2024  
 Response via : Initial Calibration

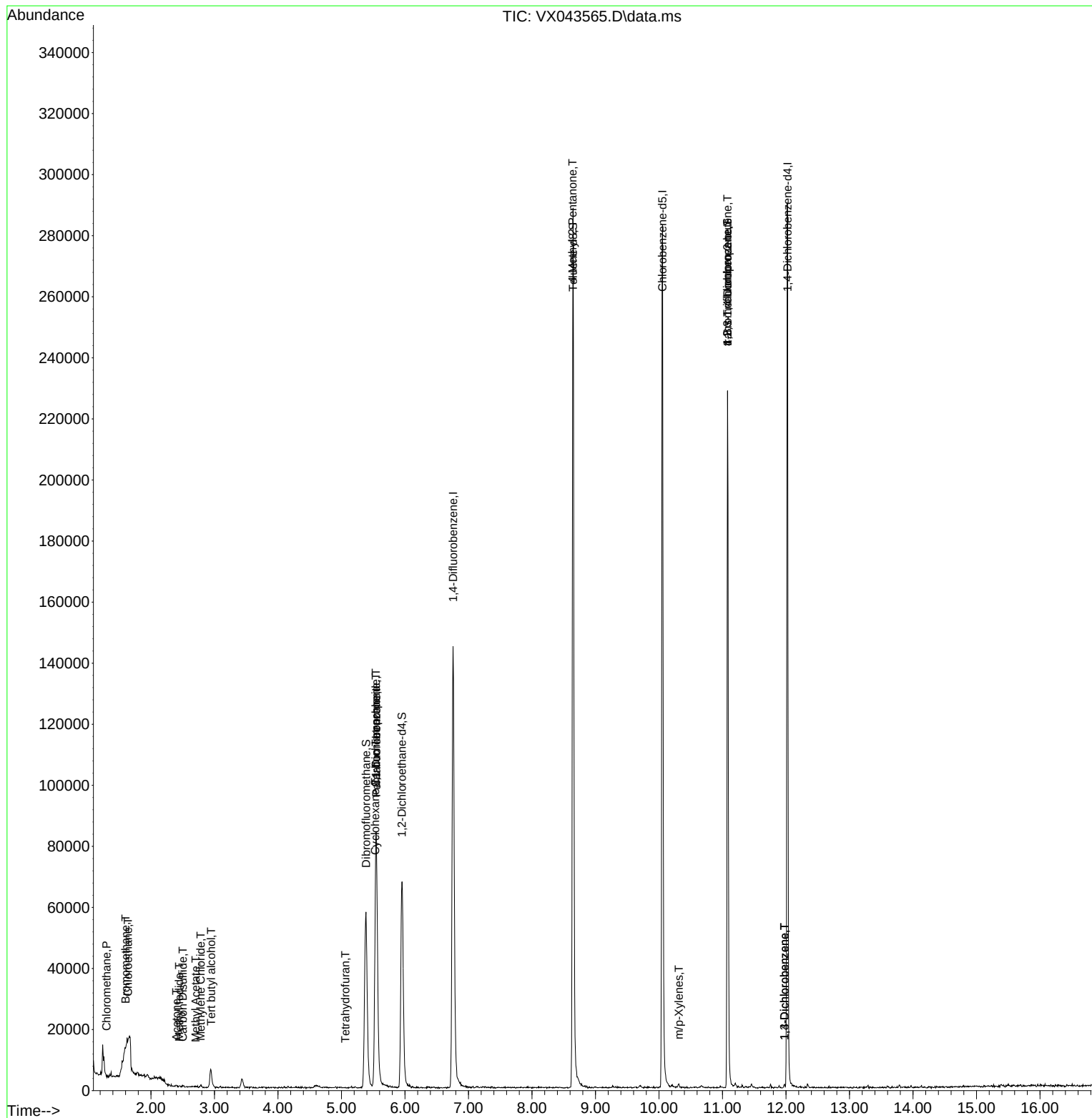
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 80260               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 154225              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 140293              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 61487               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 67807               | 52.984 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 105.960% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 52215               | 49.929 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 99.860%  |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 181680              | 50.186 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 100.380% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 67327               | 50.190 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 100.380% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 3) Chloromethane              | 1.301          | 50   | 277                 | 0.252  | ug/l # | 42       |
| 5) Bromomethane               | 1.599          | 94   | 232                 | 0.559  | ug/l   | 94       |
| 6) Chloroethane               | 1.636          | 64   | 105                 | 0.293  | ug/l # | 26       |
| 10) Methyl Iodide             | 2.447          | 142  | 260                 | 0.214  | ug/l # | 58       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 3491                | 14.615 | ug/l # | 100      |
| 16) Acetone                   | 2.398          | 43   | 682                 | 1.342  | ug/l # | 43       |
| 17) Carbon Disulfide          | 2.502          | 76   | 402                 | 0.224  | ug/l # | 75       |
| 18) Methyl Acetate            | 2.703          | 43   | 571                 | 0.384  | ug/l # | 51       |
| 20) Methylene Chloride        | 2.782          | 84   | 420                 | 0.383  | ug/l # | 45       |
| 29) Tetrahydrofuran           | 5.062          | 42   | 124                 | 0.257  | ug/l # | 32       |
| 31) Cyclohexane               | 5.532          | 56   | 1648                | 1.220  | ug/l # | 39       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 6699                | 5.402  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 8463                | 6.177  | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.641          | 43   | 868                 | 0.572  | ug/l # | 1        |
| 68) m/p-Xylenes               | 10.311         | 106  | 409                 | 0.217  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 32802               | 24.951 | ug/l # | 33       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 32802               | 68.640 | ug/l # | 7        |
| 87) 1,3-Dichlorobenzene       | 11.976         | 146  | 456                 | 0.226  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.976         | 146  | 456                 | 0.218  | ug/l   | 98       |
| -----                         |                |      |                     |        |        |          |

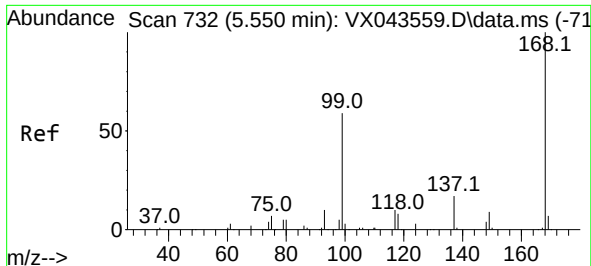
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102824\  
Data File : VX043565.D  
Acq On : 28 Oct 2024 15:52  
Operator : JC/MD  
Sample : VV1028WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

Quant Time: Oct 29 03:24:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102824W.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 28 13:41:34 2024  
Response via : Initial Calibration

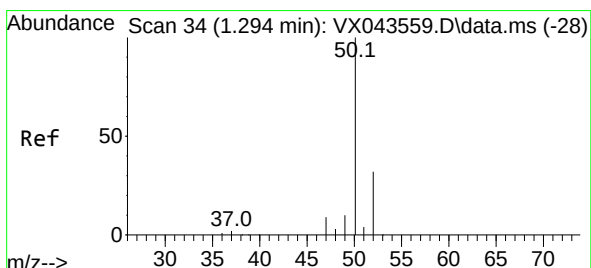
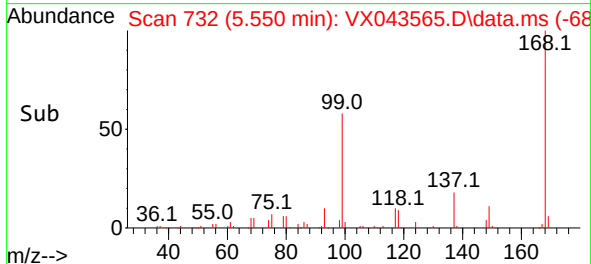
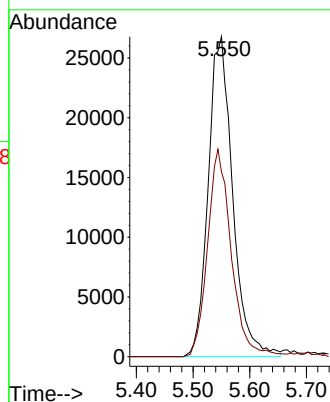
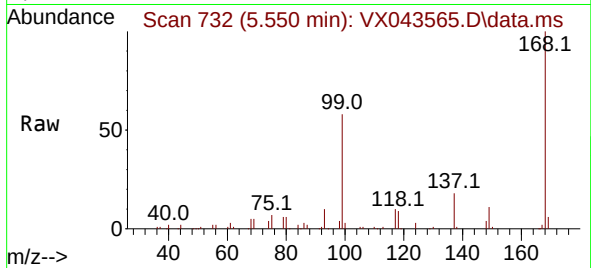




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

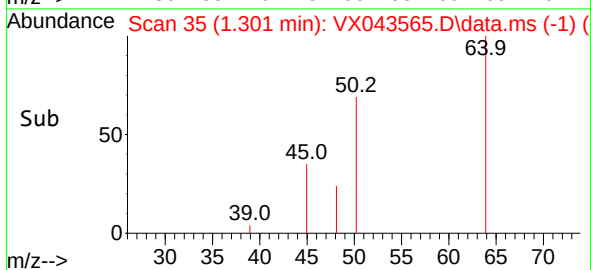
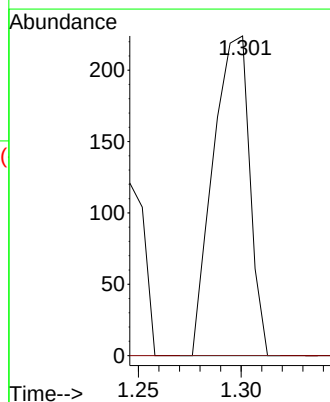
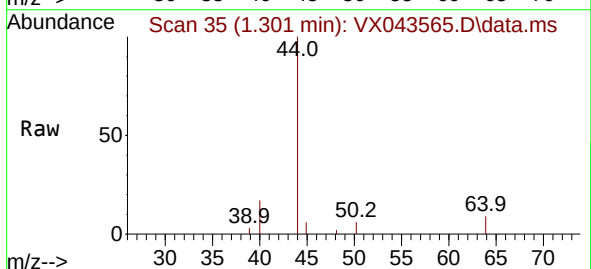
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

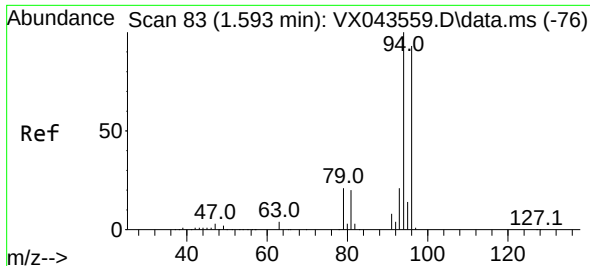
Tgt Ion:168 Resp: 80260  
Ion Ratio Lower Upper  
168 100  
99 57.8 52.6 78.8



#3  
Chloromethane  
Concen: 0.252 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Tgt Ion: 50 Resp: 277  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.3 39.5

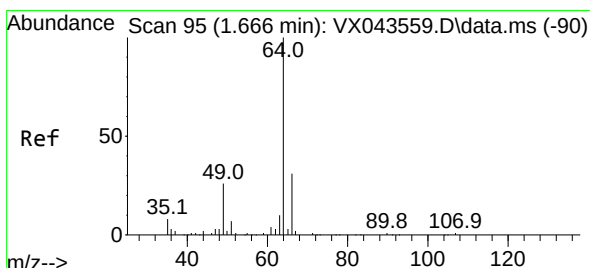
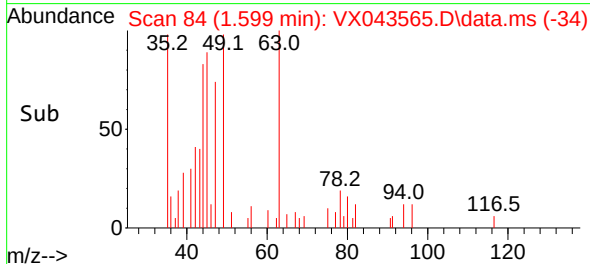
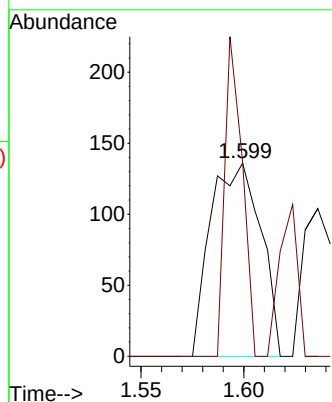
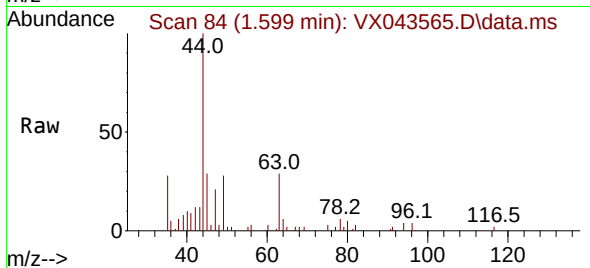




#5  
Bromomethane  
Concen: 0.559 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

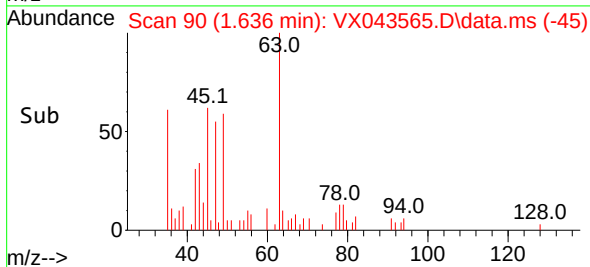
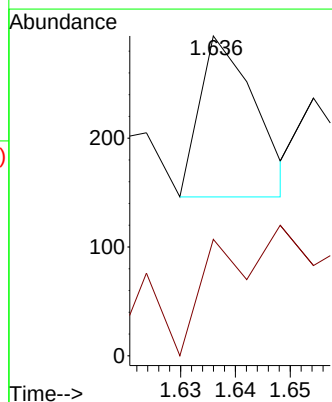
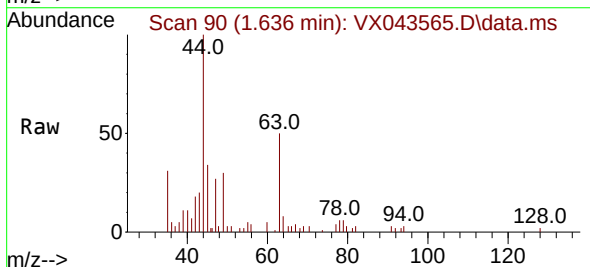
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

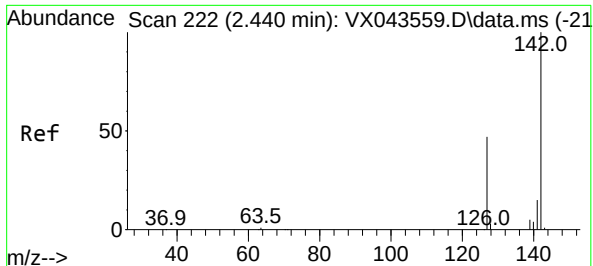
Tgt Ion: 94 Resp: 232  
Ion Ratio Lower Upper  
94 100  
96 100.7 75.9 113.9



#6  
Chloroethane  
Concen: 0.293 ug/l  
RT: 1.636 min Scan# 90  
Delta R.T. -0.024 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Tgt Ion: 64 Resp: 105  
Ion Ratio Lower Upper  
64 100  
66 72.3 25.1 37.7#

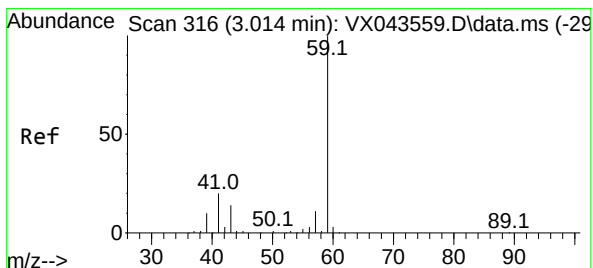
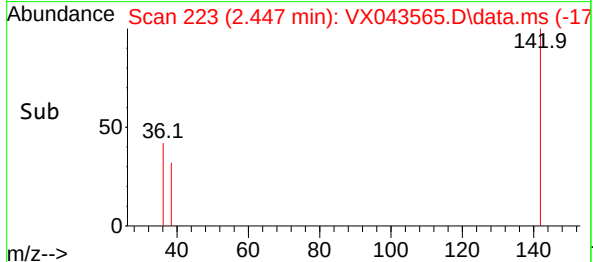
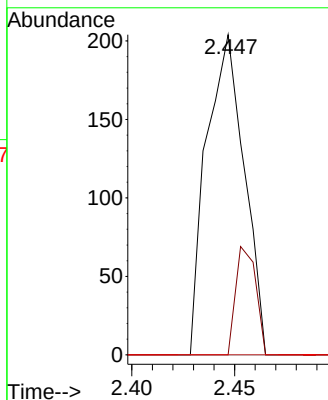
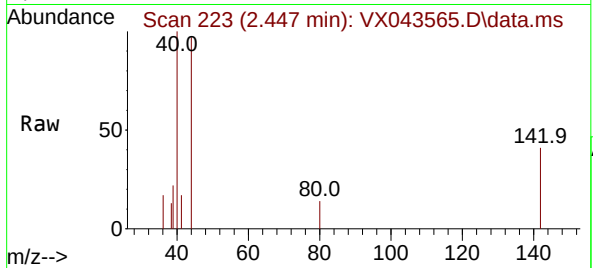




#10  
Methyl Iodide  
Concen: 0.214 ug/l  
RT: 2.447 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

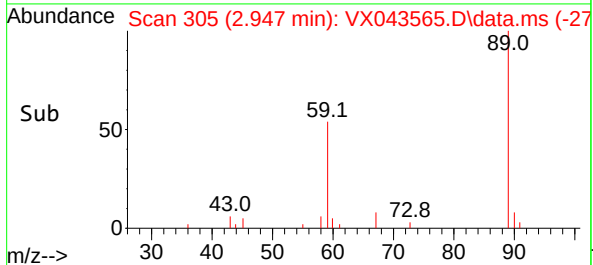
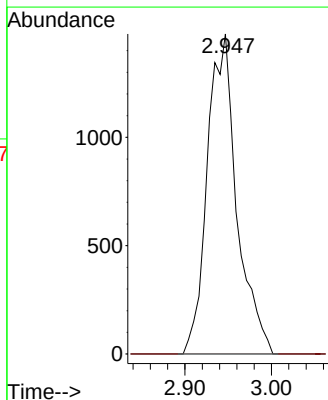
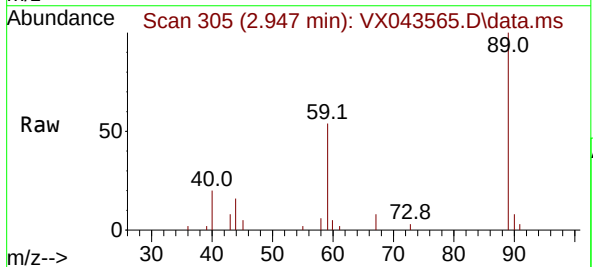
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

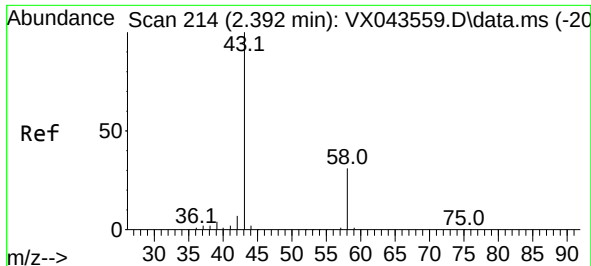
Tgt Ion:142 Resp: 260  
Ion Ratio Lower Upper  
142 100  
127 18.1 38.2 57.4#  
141 0.0 11.5 17.3#



#11  
Tert butyl alcohol  
Concen: 14.615 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.103 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Tgt Ion: 59 Resp: 3491  
Ion Ratio Lower Upper  
59 100  
57 0.0 0.0 0.0

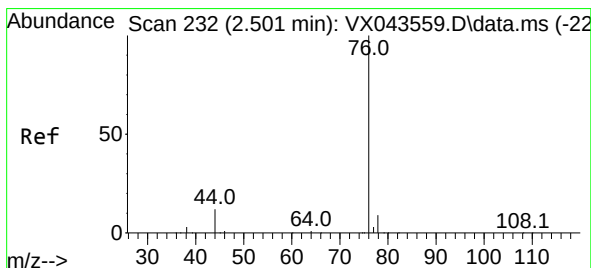
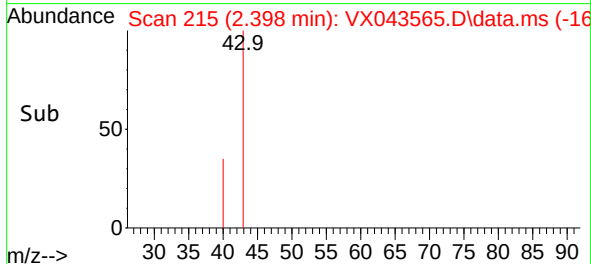
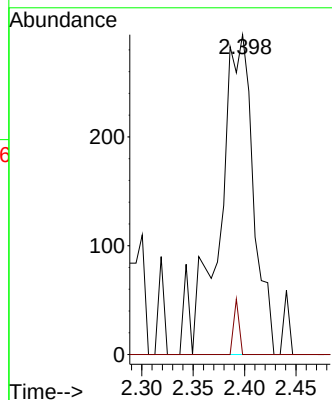
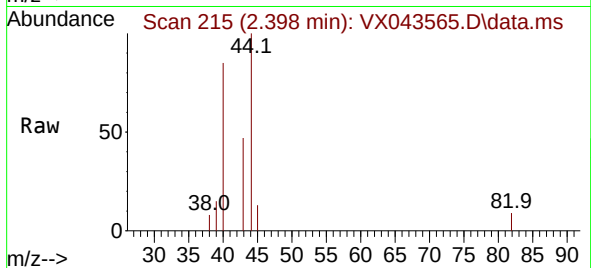




#16  
Acetone  
Concen: 1.342 ug/l  
RT: 2.398 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

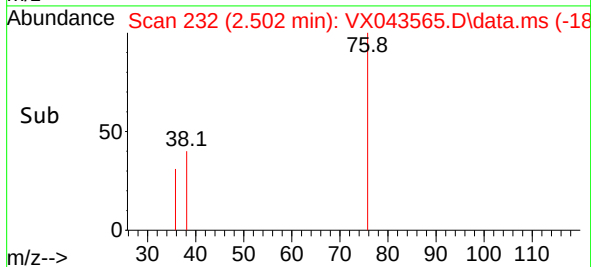
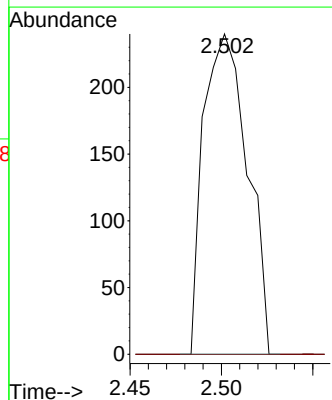
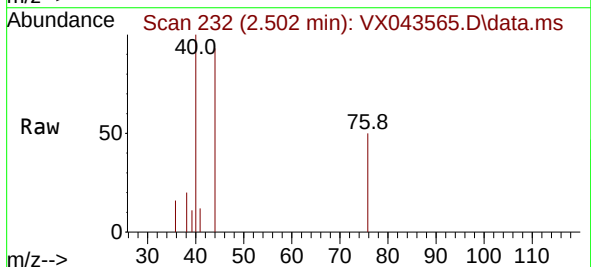
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

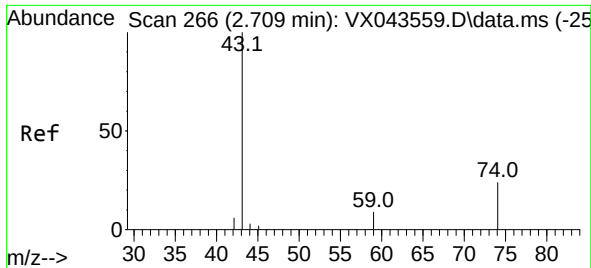
Tgt Ion: 43 Resp: 682  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.1 37.7#



#17  
Carbon Disulfide  
Concen: 0.224 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. 0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Tgt Ion: 76 Resp: 402  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.1 10.7#

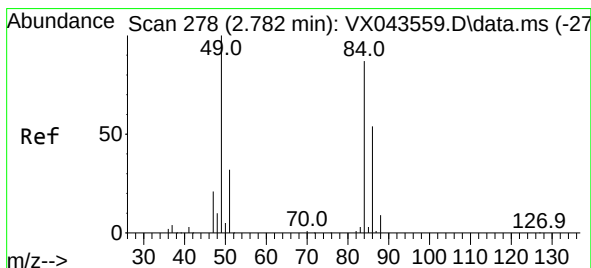
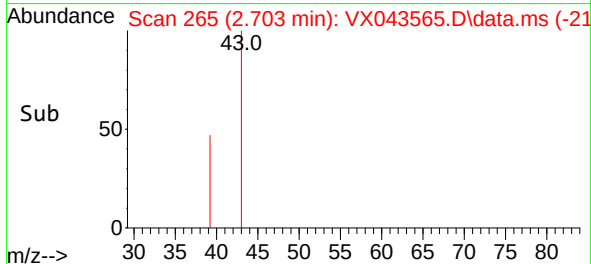
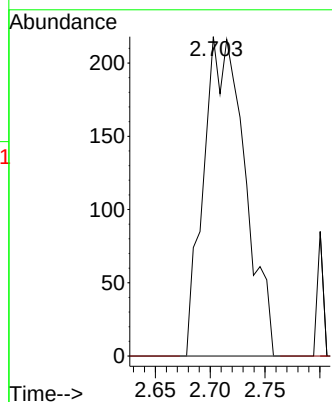
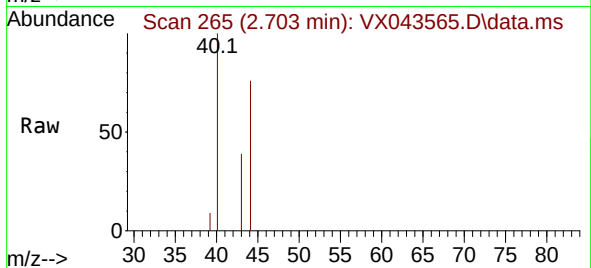




#18  
Methyl Acetate  
Concen: 0.384 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

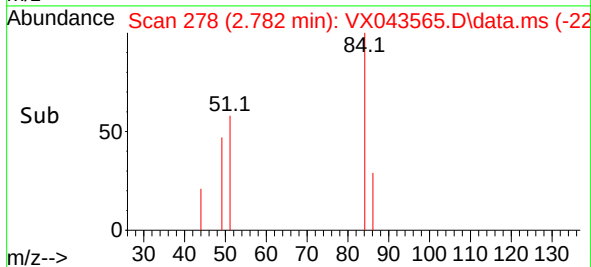
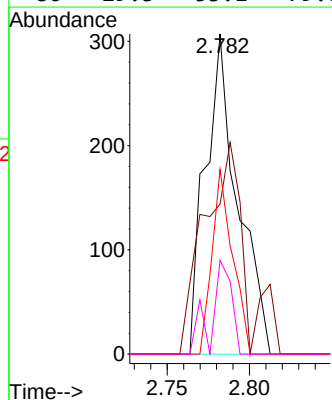
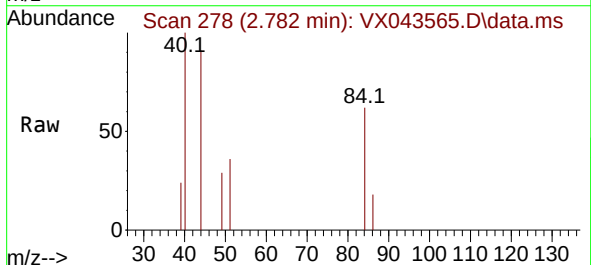
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

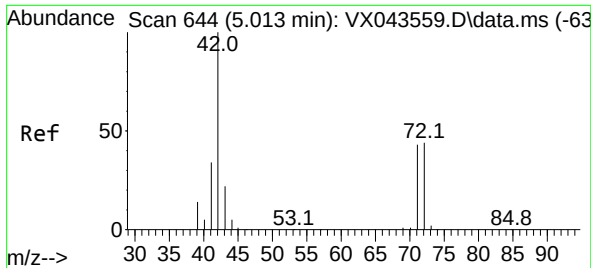
Tgt Ion: 43 Resp: 571  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.1 28.7#



#20  
Methylene Chloride  
Concen: 0.383 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. 0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Tgt Ion: 84 Resp: 420  
Ion Ratio Lower Upper  
84 100  
49 46.9 97.0 145.6#  
51 57.7 29.8 44.8#  
86 29.3 53.1 79.7#





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

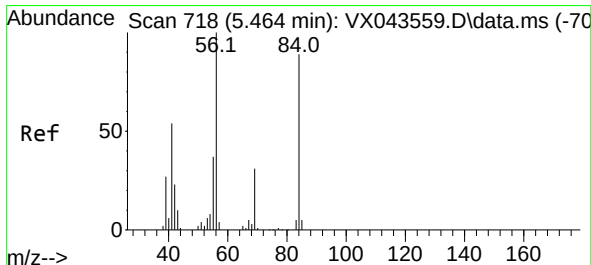
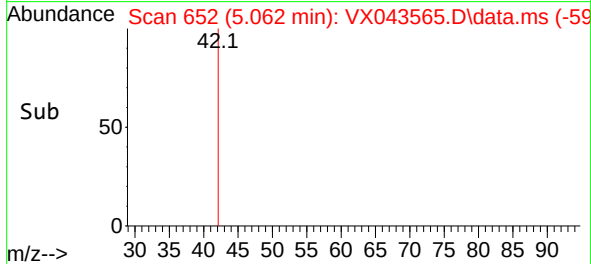
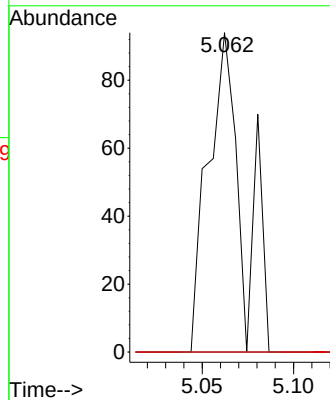
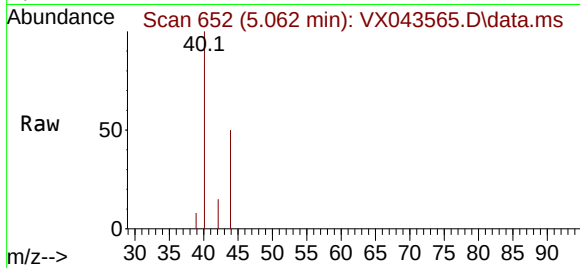
Instrument :

MSVOA\_X

ClientSampleId :

VX1028WBL01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 124   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 0.0   | 36.6  | 55.0# |
| 71       | 0.0   | 34.2  | 51.4# |



#31

Cyclohexane

Concen: 1.220 ug/l

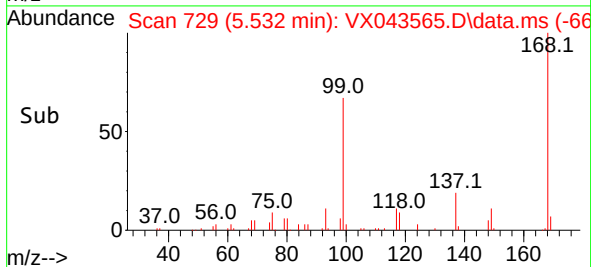
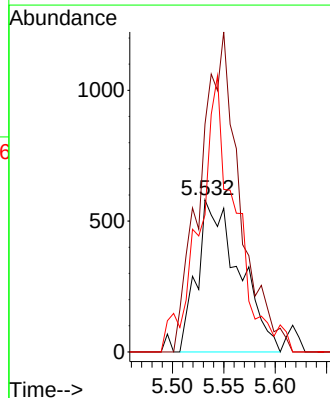
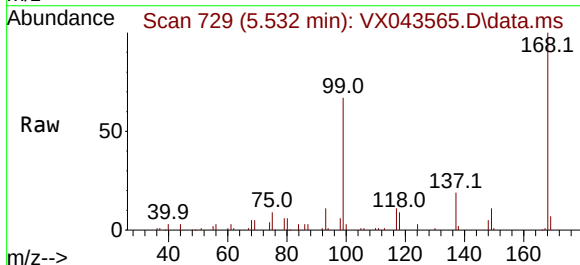
RT: 5.532 min Scan# 729

Delta R.T. 0.073 min

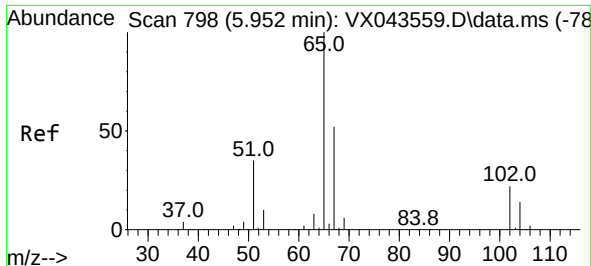
Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 1648  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 134.4 | 24.9  | 37.3# |
| 84       | 74.2  | 73.3  | 109.9 |







#33

1,2-Dichloroethane-d4

Concen: 52.984 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

Instrument :

MSVOA\_X

ClientSampleId :

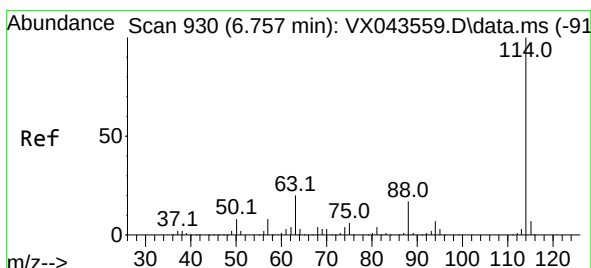
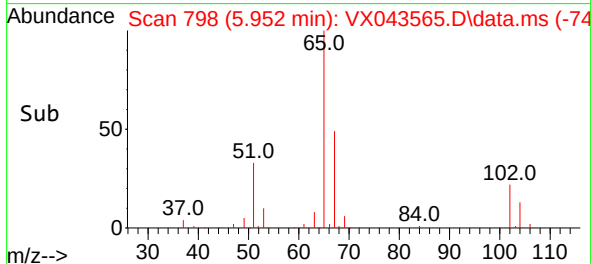
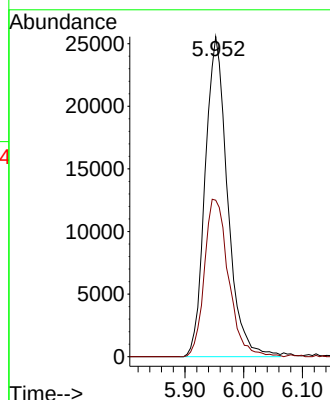
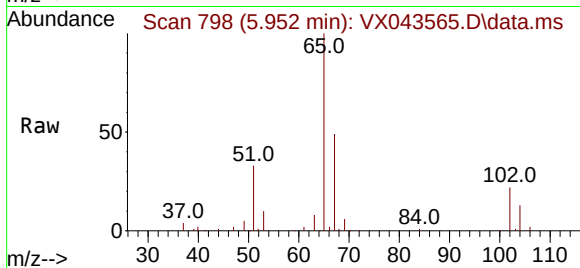
VX1028WBL01

Tgt Ion: 65 Resp: 67807

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

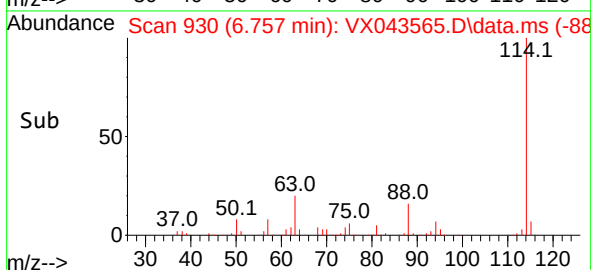
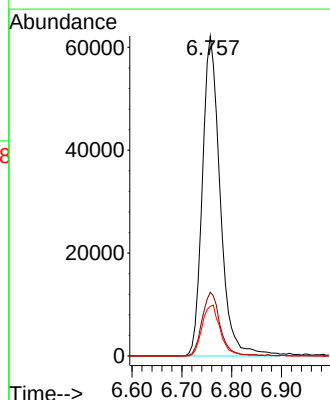
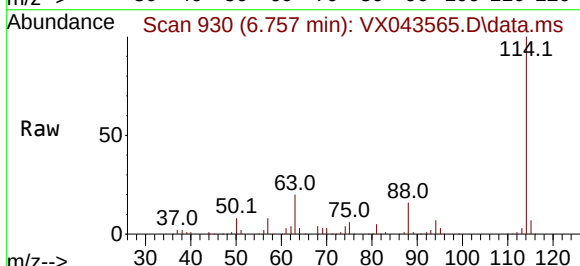
Tgt Ion: 114 Resp: 154225

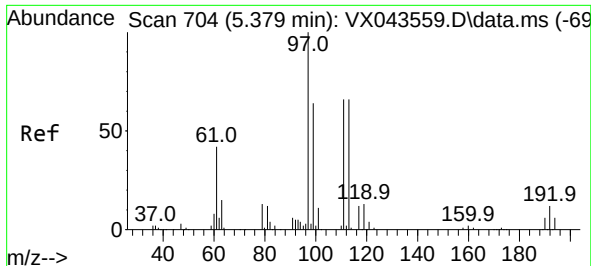
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.2

88 15.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.929 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

Instrument :

MSVOA\_X

ClientSampleId :

VX1028WBL01

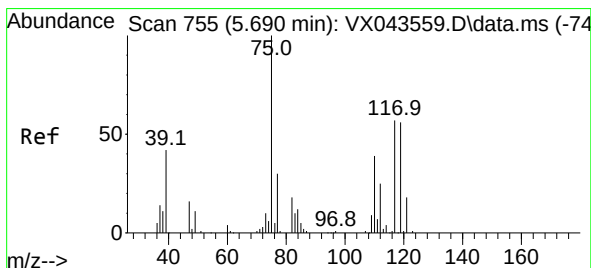
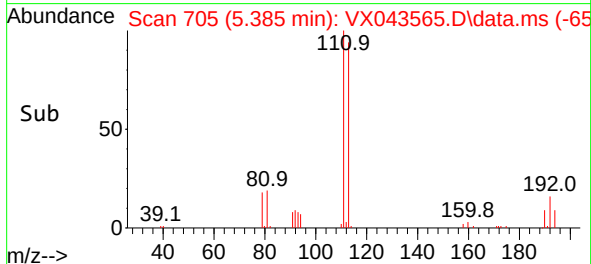
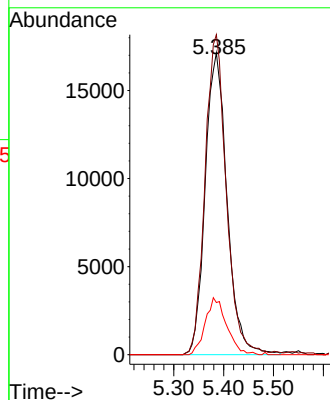
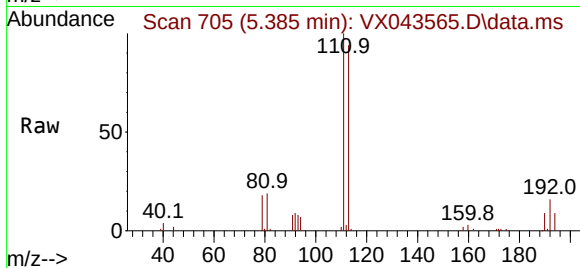
Tgt Ion:113 Resp: 52215

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 18.4 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.402 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

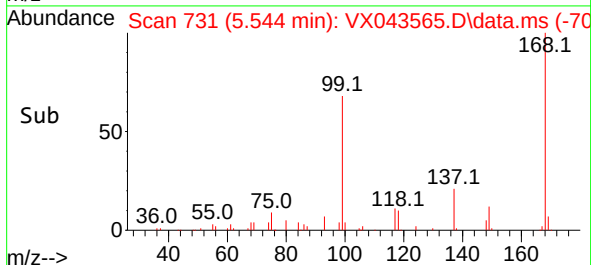
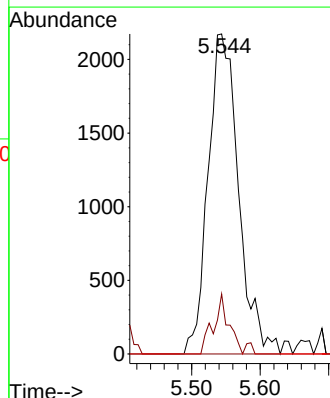
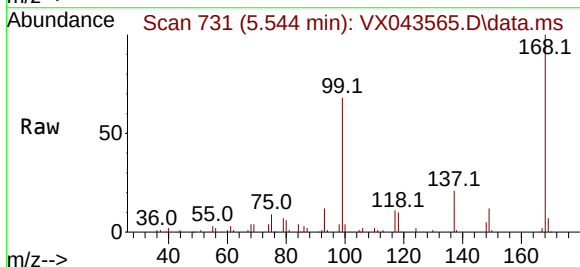
Tgt Ion: 75 Resp: 6699

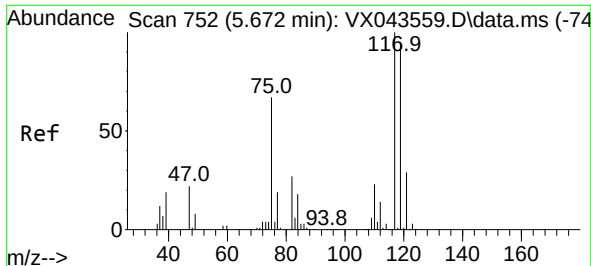
Ion Ratio Lower Upper

75 100

110 9.4 17.9 53.7#

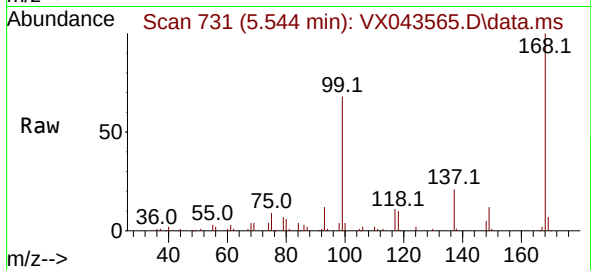
77 0.0 25.0 37.4#



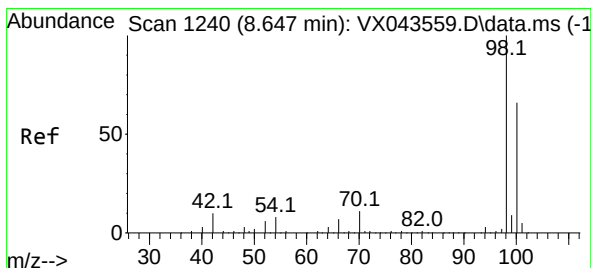
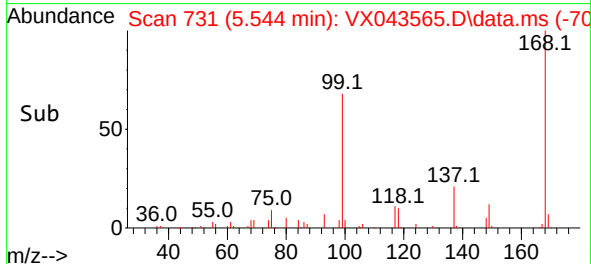
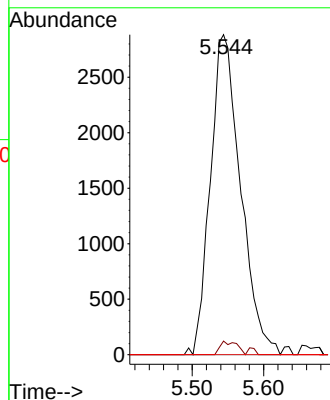


#38  
Carbon Tetrachloride  
Concen: 6.177 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

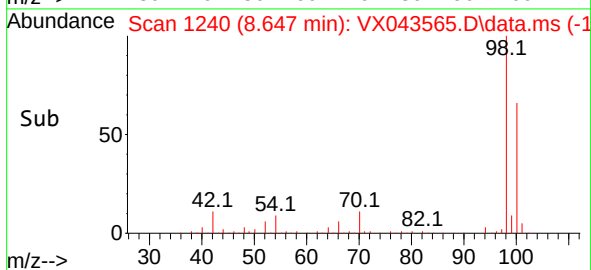
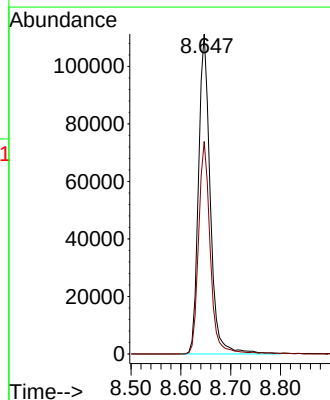
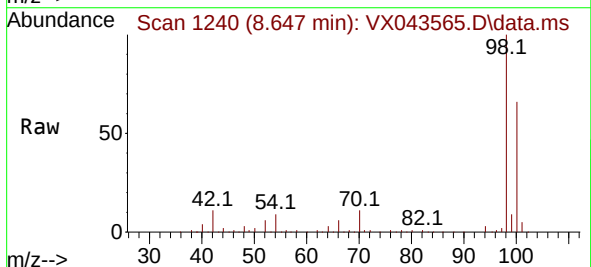


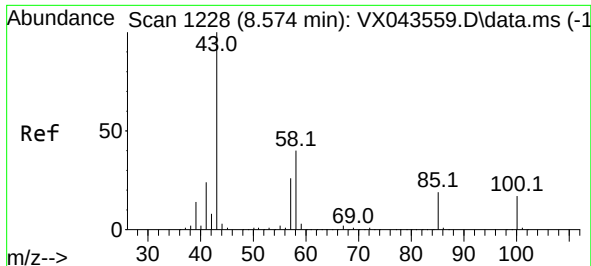
Tgt Ion:117 Resp: 8463  
Ion Ratio Lower Upper  
117 100  
119 4.3 77.0 115.6#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 50.186 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Tgt Ion: 98 Resp: 181680  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.4 80.2

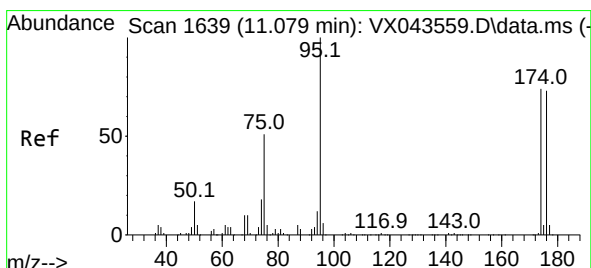
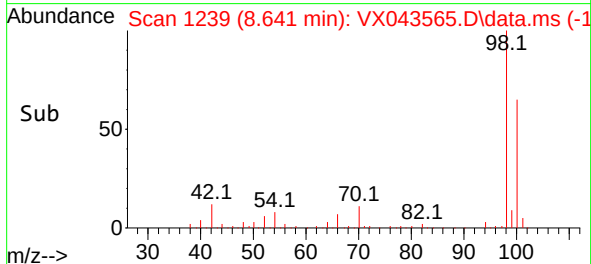
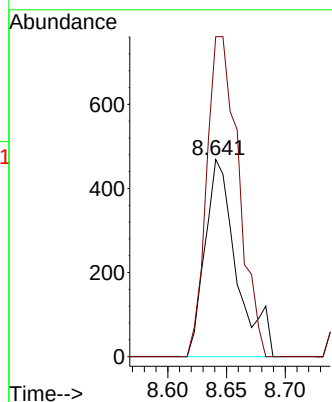
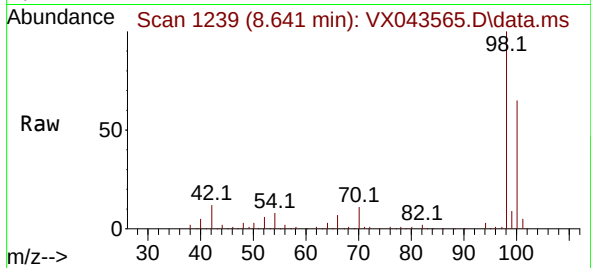




#51  
4-Methyl-2-Pentanone  
Concen: 0.572 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. 0.061 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

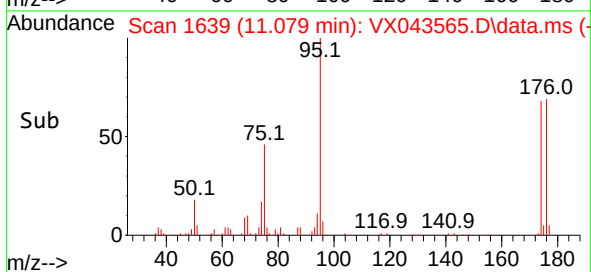
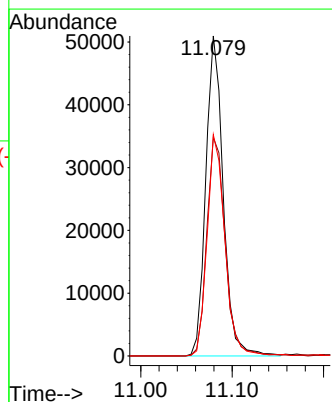
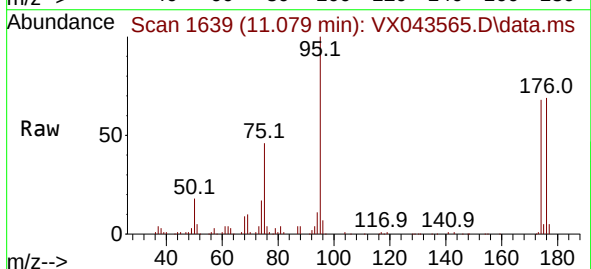
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

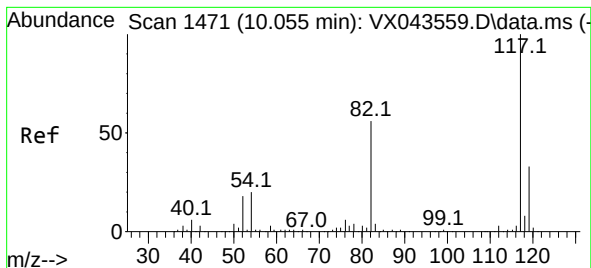
Tgt Ion: 43 Resp: 868  
Ion Ratio Lower Upper  
43 100  
58 165.6 31.7 47.5#



#62  
4-Bromofluorobenzene  
Concen: 50.190 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Tgt Ion: 95 Resp: 67327  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 146.6  
176 70.8 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

Instrument :

MSVOA\_X

ClientSampleId :

VX1028WBL01

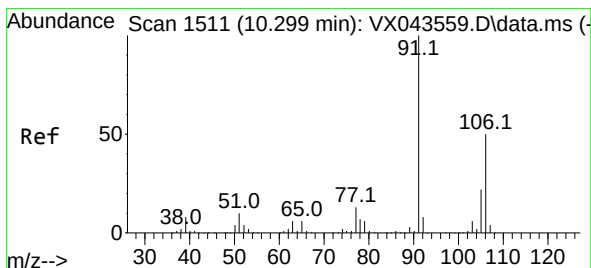
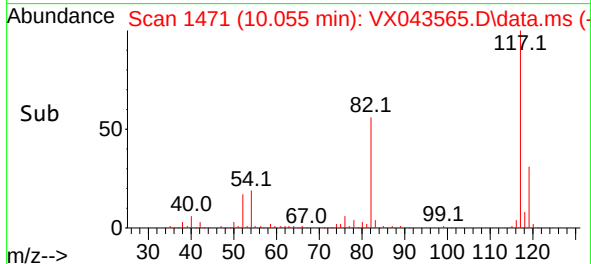
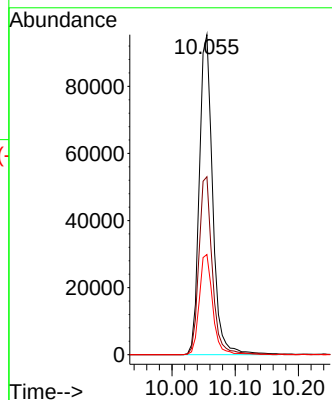
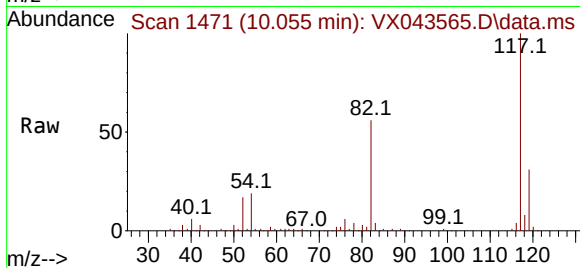
Tgt Ion:117 Resp: 140293

Ion Ratio Lower Upper

117 100

82 55.6 42.1 63.1

119 31.3 25.4 38.2



#68

m/p-Xylenes

Concen: 0.217 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.012 min

Lab File: VX043565.D

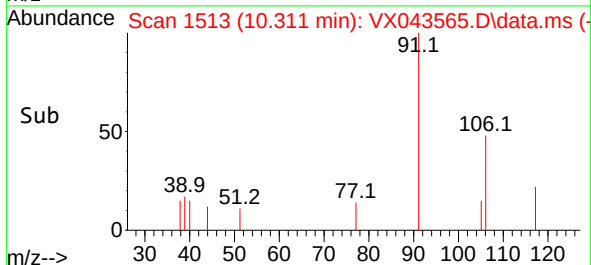
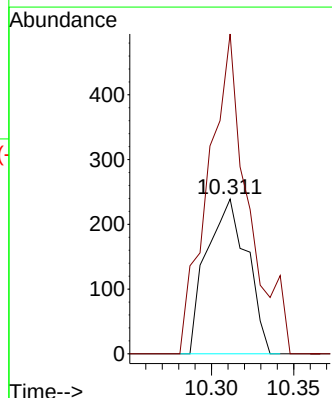
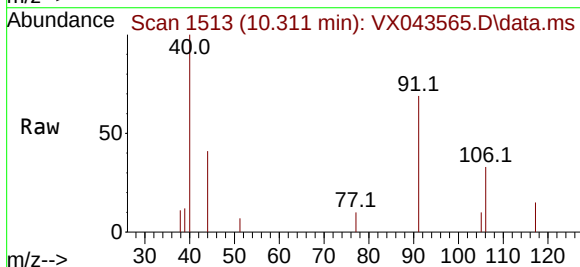
Acq: 28 Oct 2024 15:52

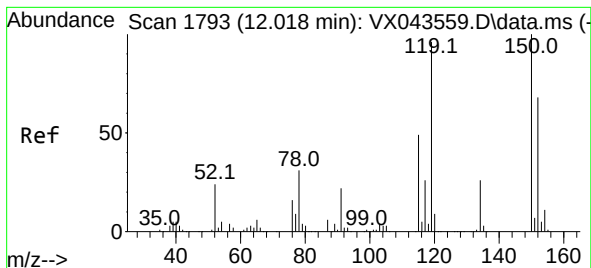
Tgt Ion:106 Resp: 409

Ion Ratio Lower Upper

106 100

91 205.1 164.7 247.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

Instrument :

MSVOA\_X

ClientSampleId :

VX1028WBL01

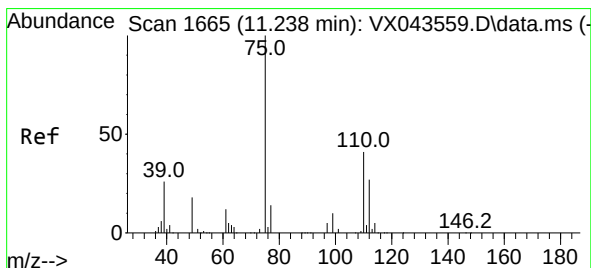
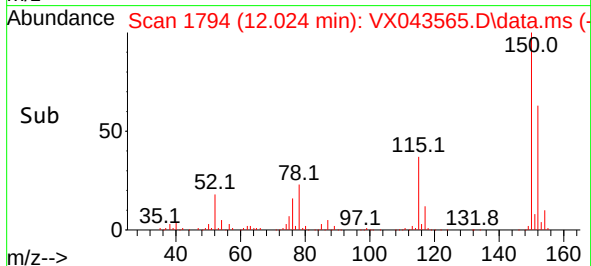
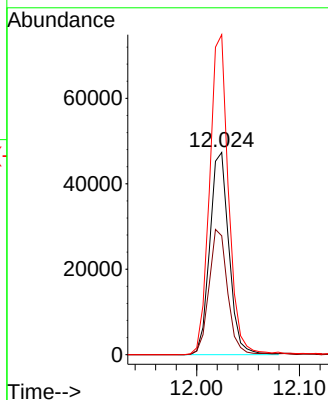
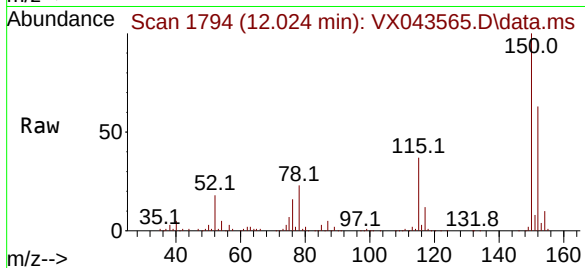
Tgt Ion:152 Resp: 61487

Ion Ratio Lower Upper

152 100

115 60.5 42.9 128.7

150 157.5 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 24.951 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043565.D

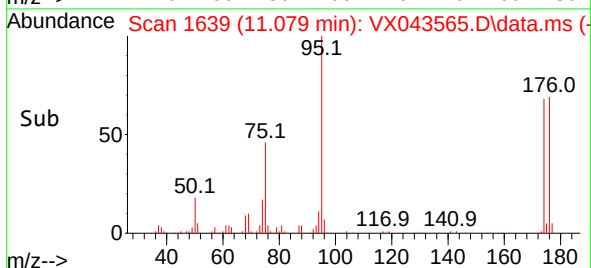
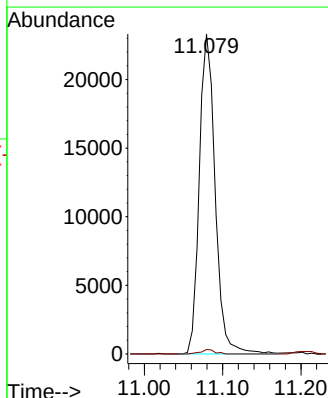
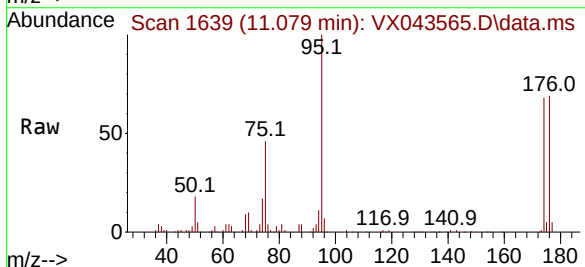
Acq: 28 Oct 2024 15:52

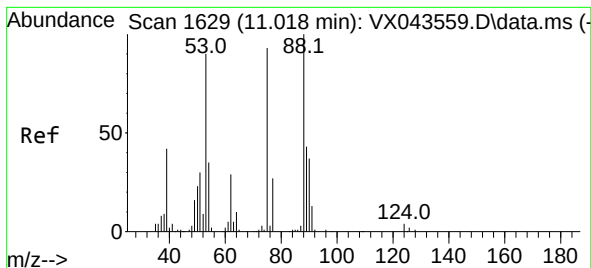
Tgt Ion: 75 Resp: 32802

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#

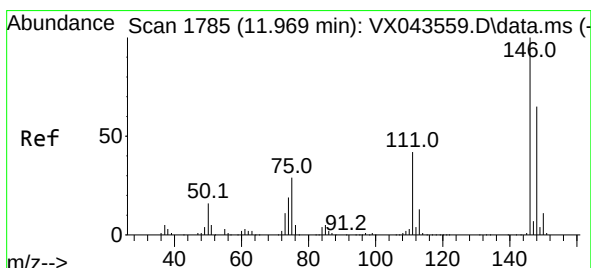
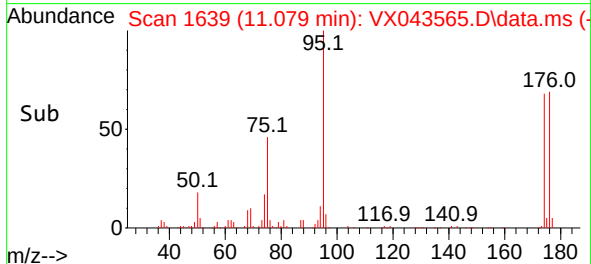
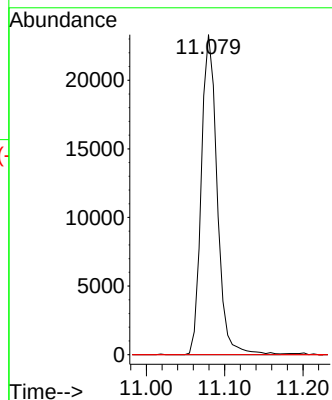
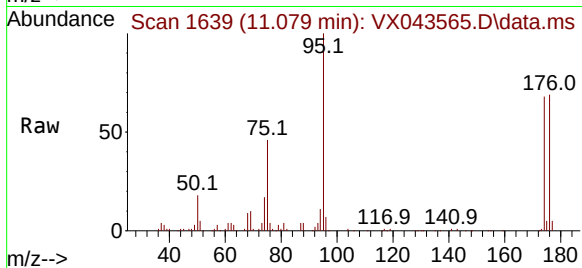




#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.640 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

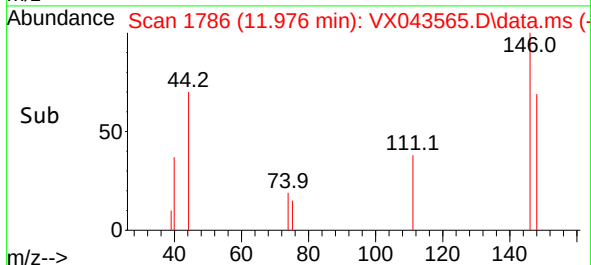
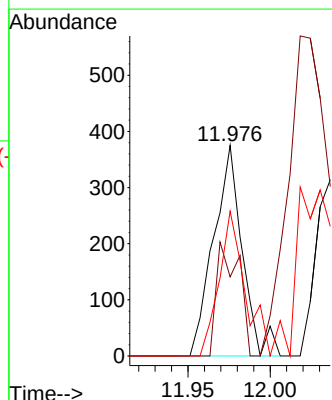
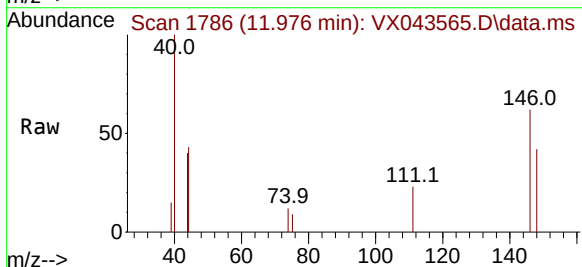
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1028WBL01

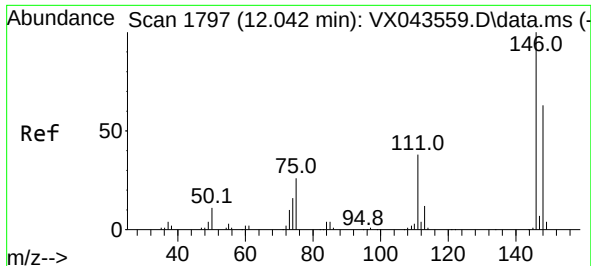
Tgt Ion: 75 Resp: 32802  
Ion Ratio Lower Upper  
75 100  
53 0.0 84.6 126.8#  
89 0.0 38.6 58.0#



#87  
1,3-Dichlorobenzene  
Concen: 0.226 ug/l  
RT: 11.976 min Scan# 1786  
Delta R.T. 0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

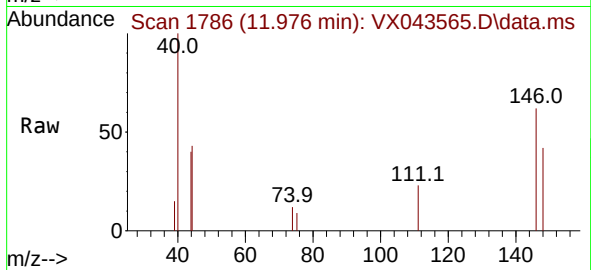
Tgt Ion:146 Resp: 456  
Ion Ratio Lower Upper  
146 100  
111 41.9 21.1 63.4  
148 61.8 31.6 94.8





#88  
 1,4-Dichlorobenzene  
 Concen: 0.218 ug/l  
 RT: 11.976 min Scan# 11  
 Delta R.T. -0.067 min  
 Lab File: VX043565.D  
 Acq: 28 Oct 2024 15:52

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1028WBL01



Tgt Ion:146 Resp: 456

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.9  | 20.4  | 61.3  |
| 148 | 61.8  | 31.9  | 95.9  |

