

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 :

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

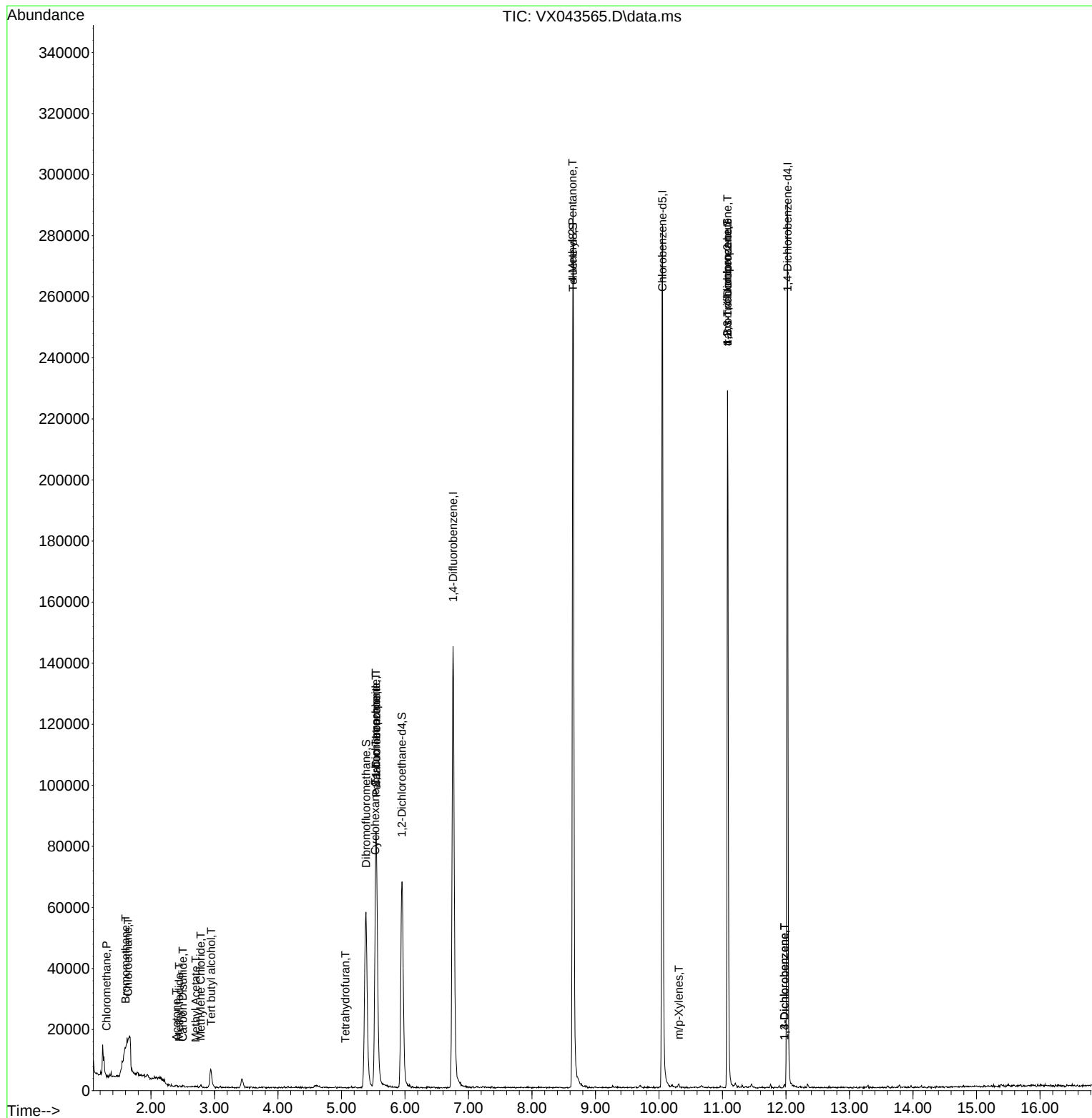
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 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\  
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Sample : VV1028WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

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



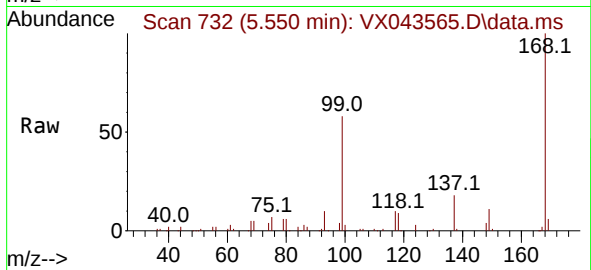


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

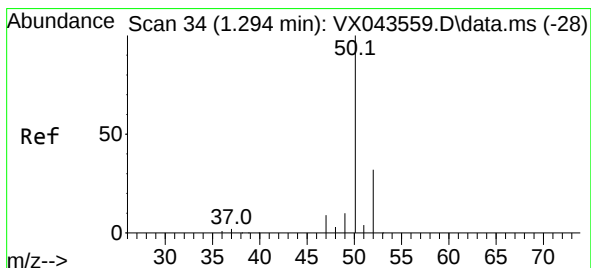
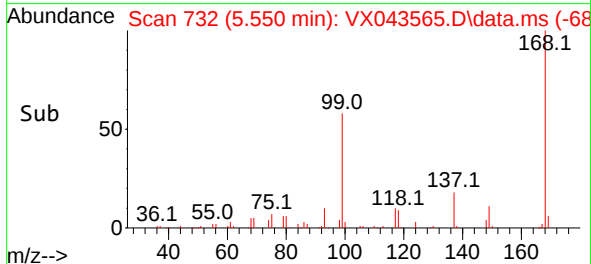
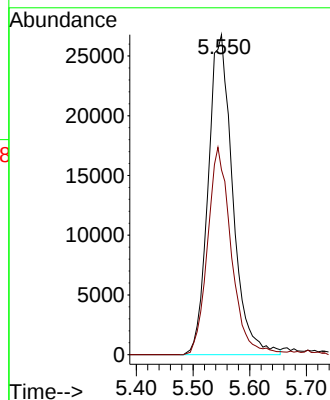
Instrument :

MSVOA\_X

ClientSampleId :

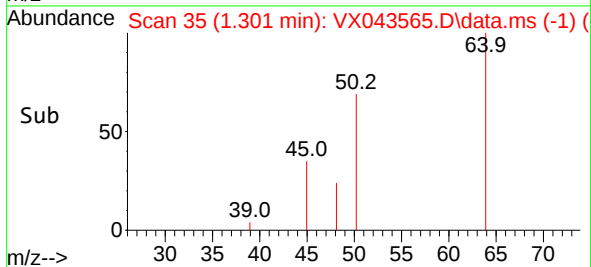
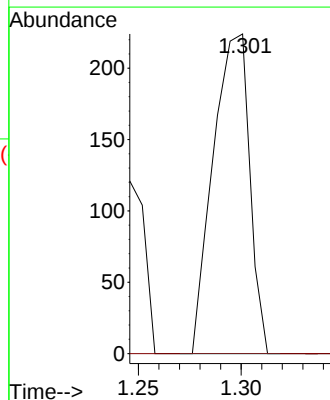
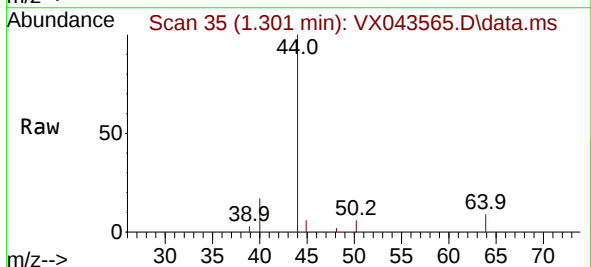


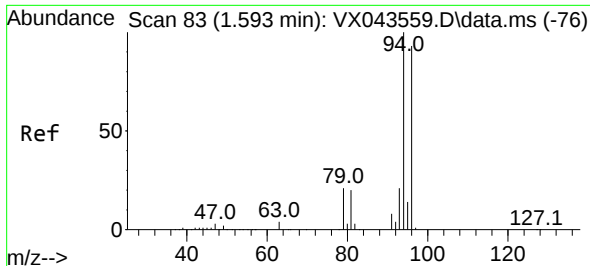
Tgt Ion:168 Resp: 80260  
Ion Ratio Lower Upper  
168 100  
99 57.8 52.6 78.8



#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#

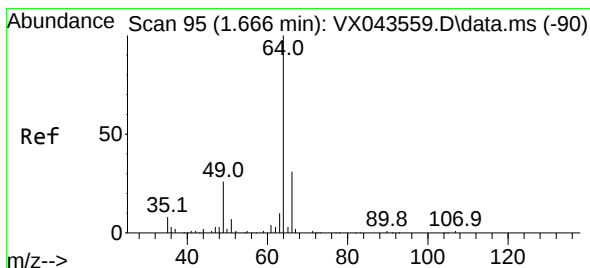
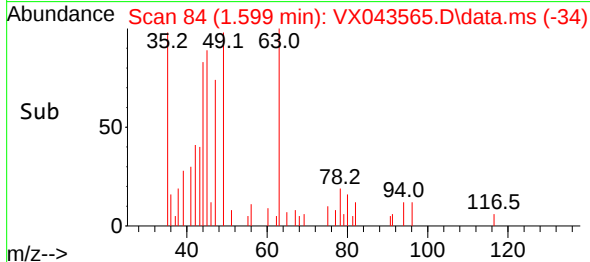
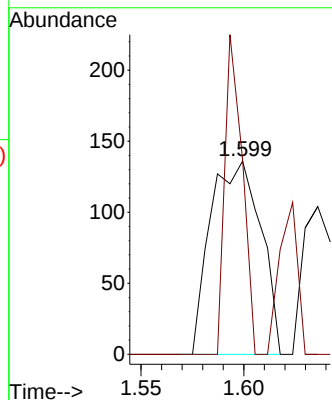
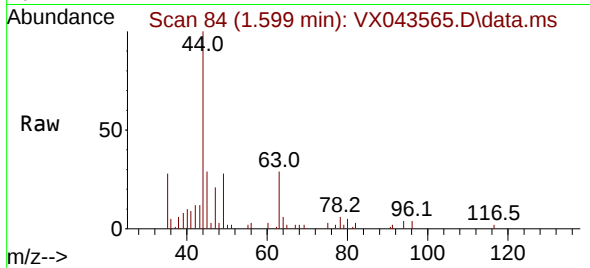




#5  
Bromomethane  
Concen: 0.559 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

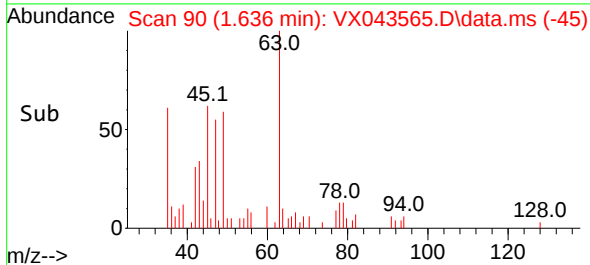
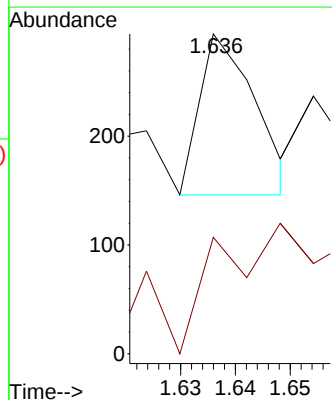
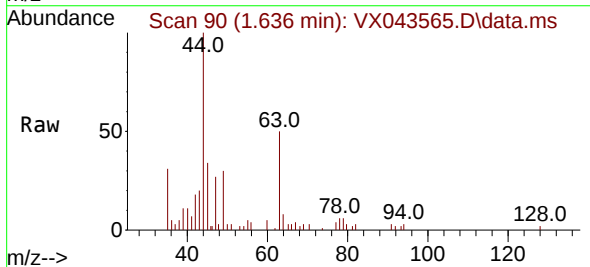
Instrument :  
MSVOA\_X  
ClientSampleId :

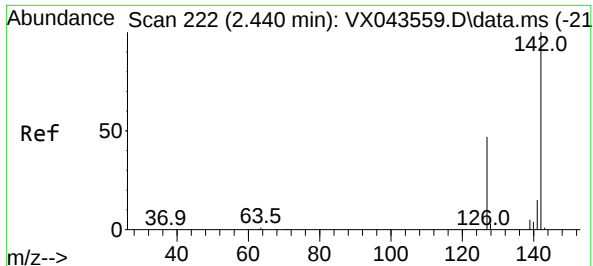
Tgt Ion: 94 Resp: 232  
Ion Ratio Lower Upper  
94 100  
96 100.7 75.9 113.9



#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

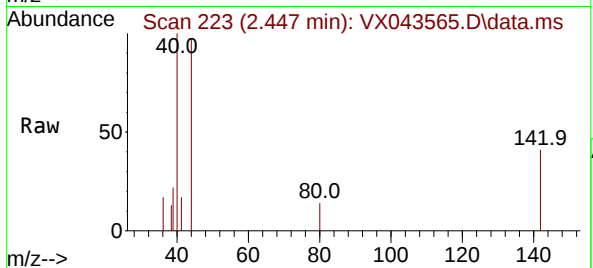
Tgt Ion: 64 Resp: 105  
Ion Ratio Lower Upper  
64 100  
66 72.3 25.1 37.7#



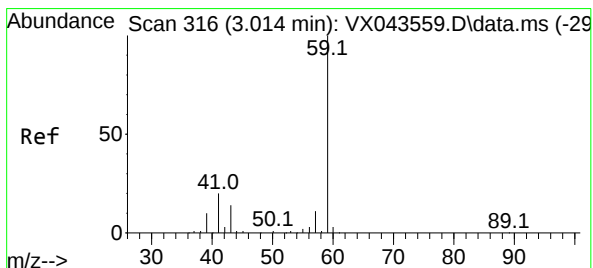
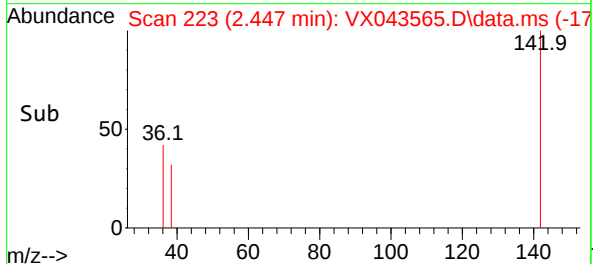
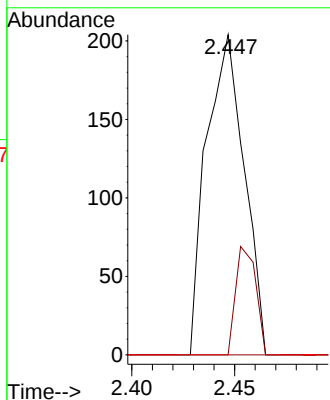


#10  
Methyl Iodide  
Concen: 0.214 ug/l  
RT: 2.447 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Instrument :  
MSVOA\_X  
ClientSampleId :

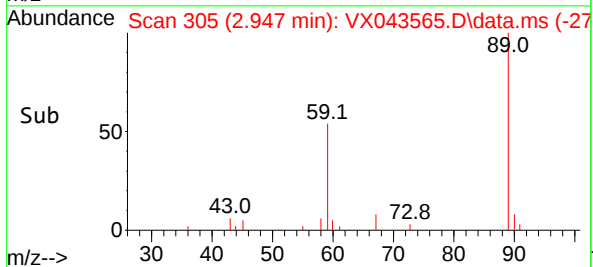
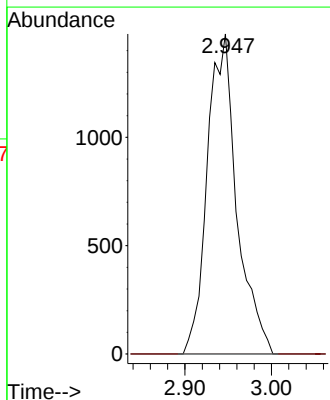
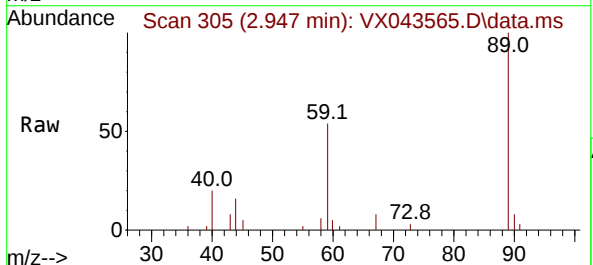


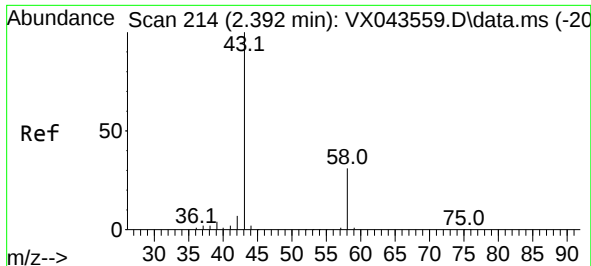
Tgt Ion:142 Resp: 260  
Ion Ratio Lower Upper  
142 100  
127 18.1 38.2 57.4#  
141 0.0 11.5 17.3#



#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

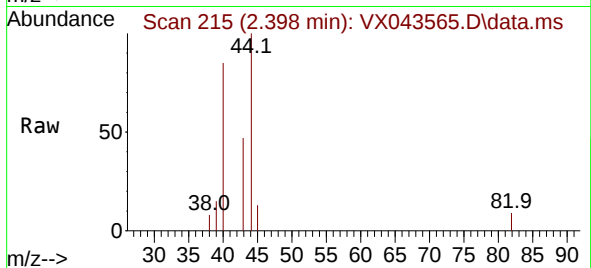
Tgt Ion: 59 Resp: 3491  
Ion Ratio Lower Upper  
59 100  
57 0.0 0.0 0.0



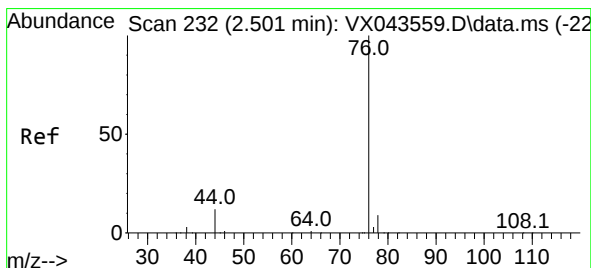
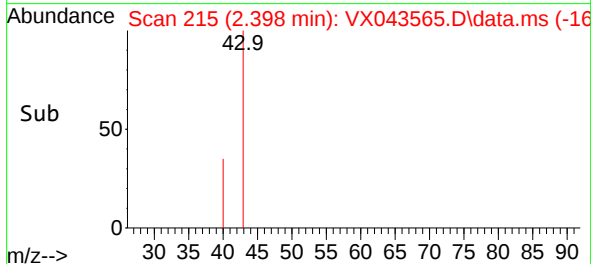
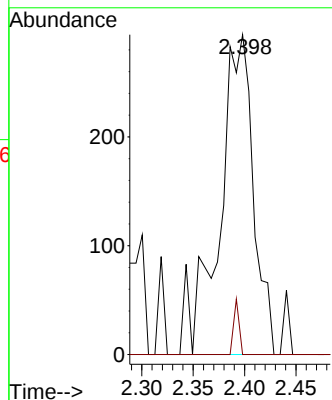


#16  
Acetone  
Concen: 1.342 ug/l  
RT: 2.398 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Instrument :  
MSVOA\_X  
ClientSampleId :

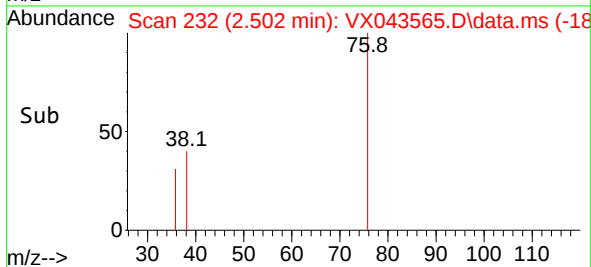
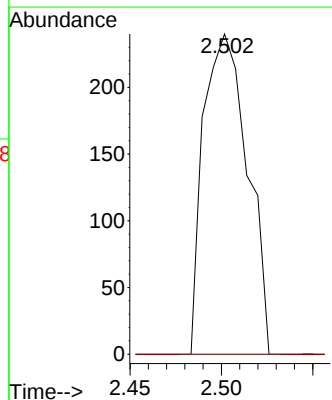
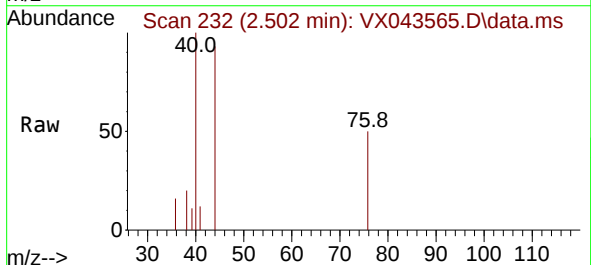


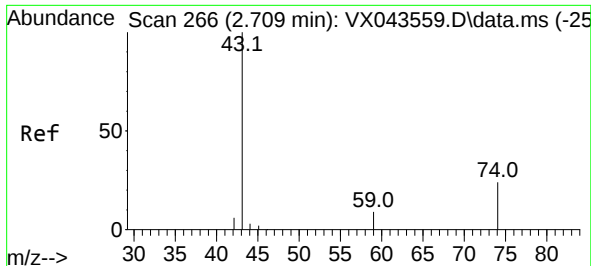
Tgt Ion: 43 Resp: 682  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.1 37.7#



#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#

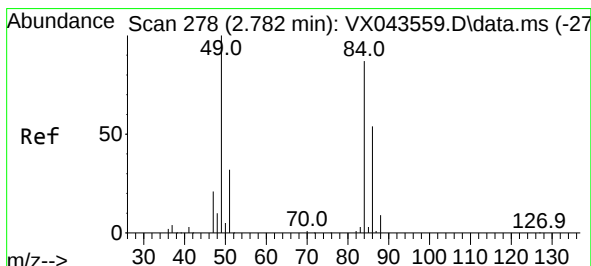
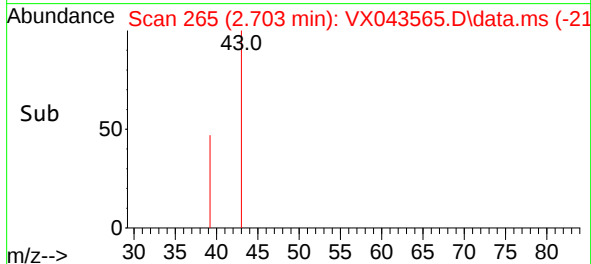
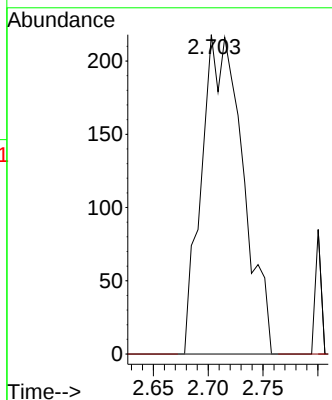
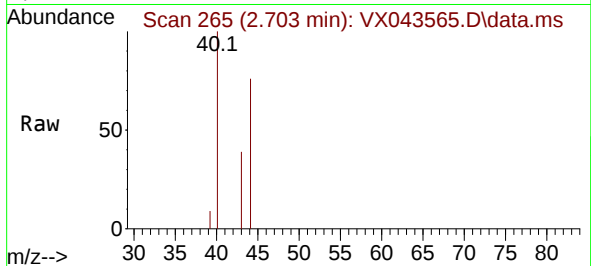




#18  
Methyl Acetate  
Concen: 0.384 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.006 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

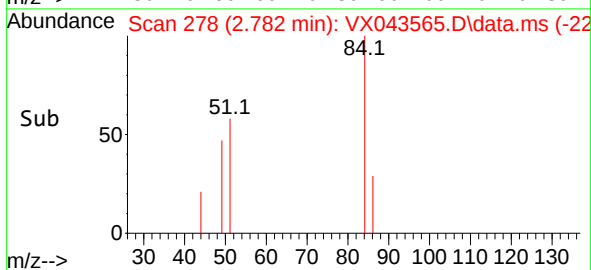
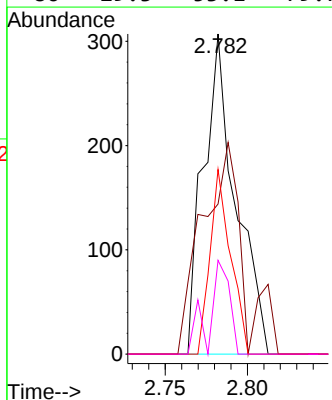
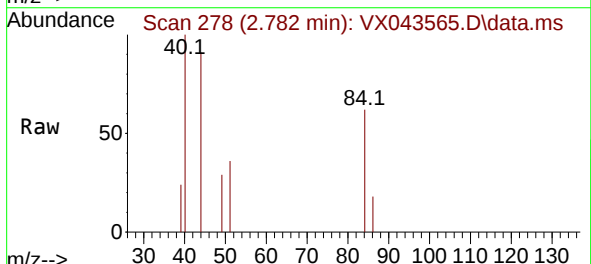
Instrument :  
MSVOA\_X  
ClientSampleId :

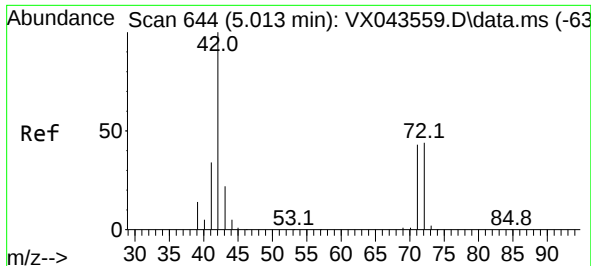
Tgt Ion: 43 Resp: 571  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.1 28.7#



#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

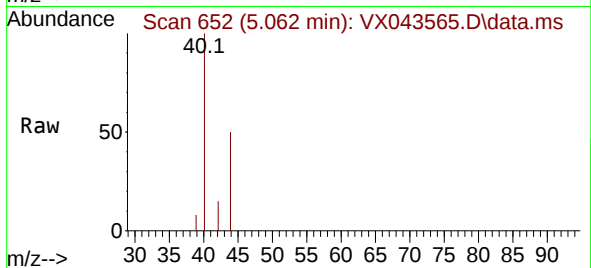
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Acq: 28 Oct 2024 15:52

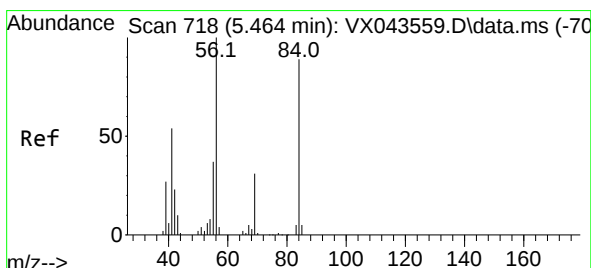
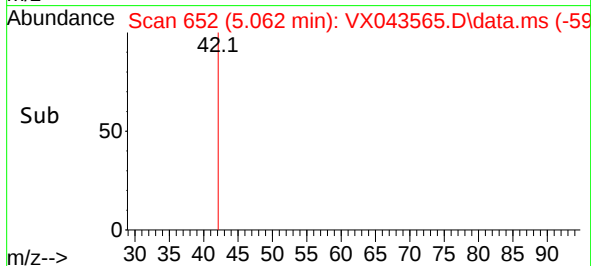
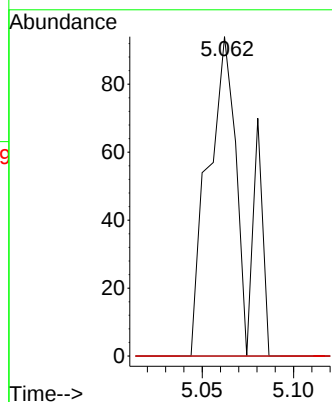
Instrument :

MSVOA\_X

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| 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

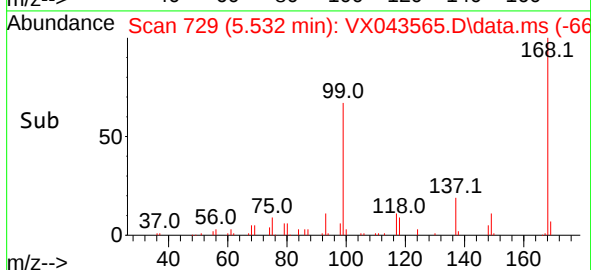
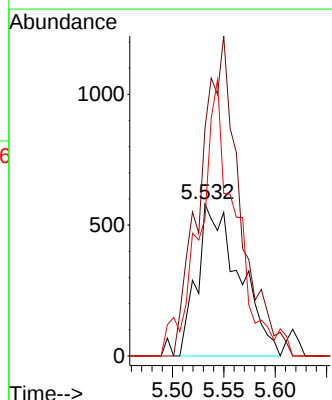
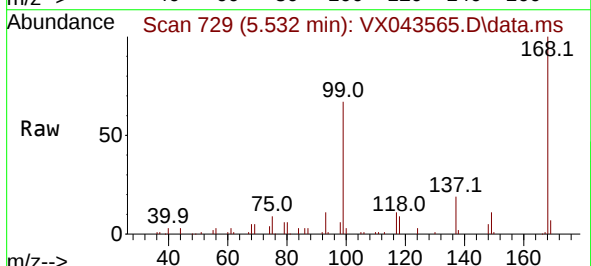
RT: 5.532 min Scan# 729

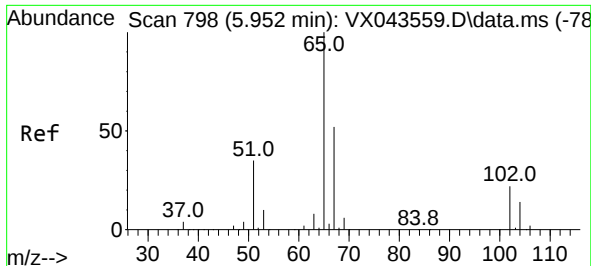
Delta R.T. 0.073 min

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

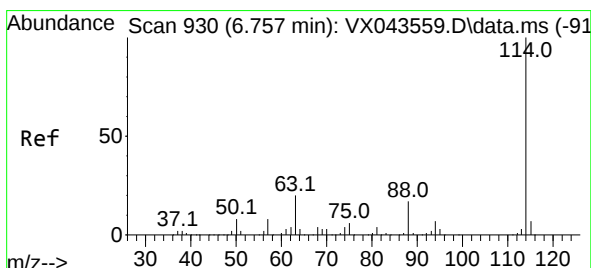
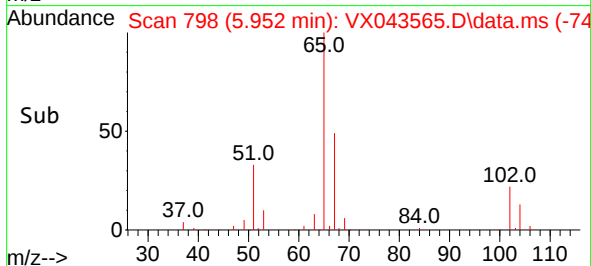
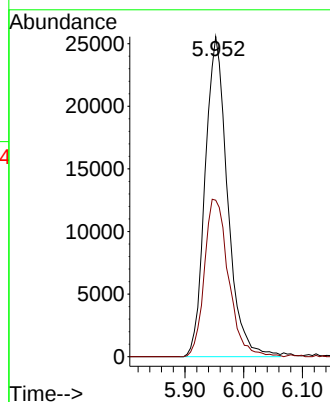
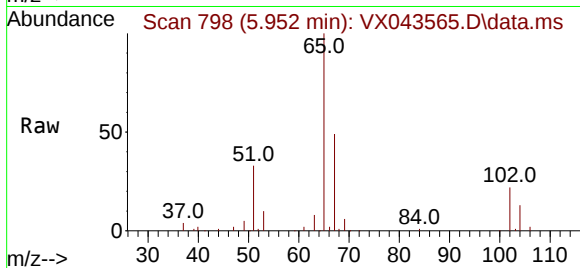
ClientSampleId :

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

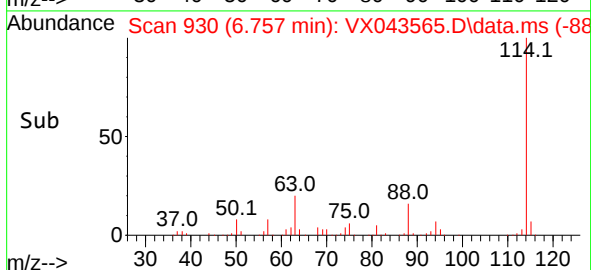
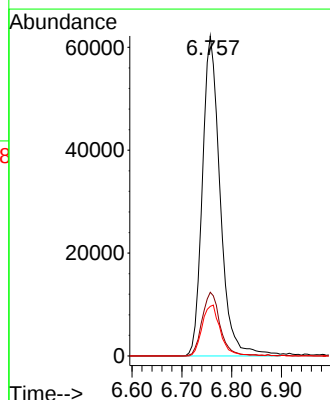
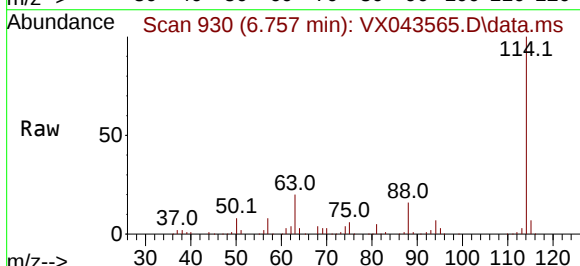
Tgt Ion: 114 Resp: 154225

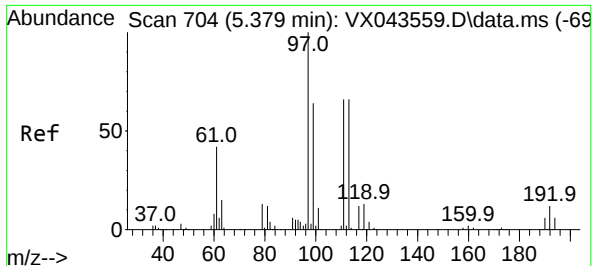
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.2

88 15.5 0.0 34.0

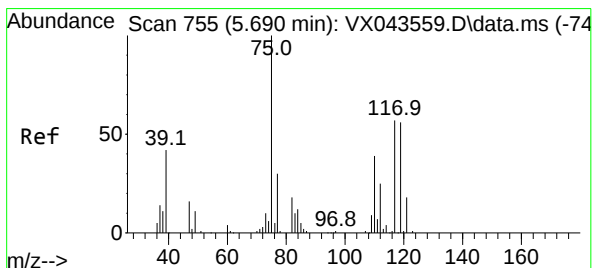
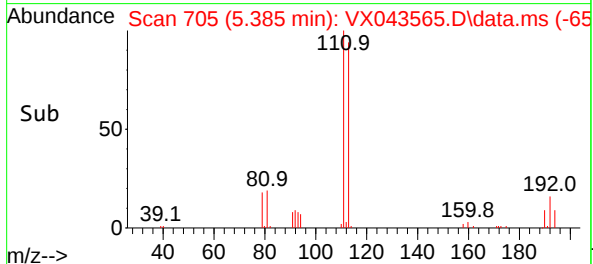
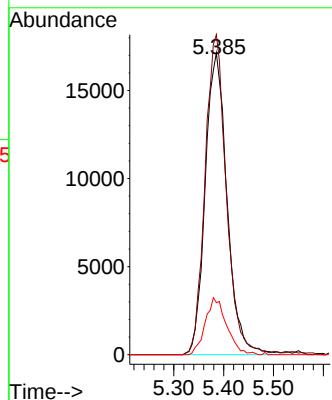
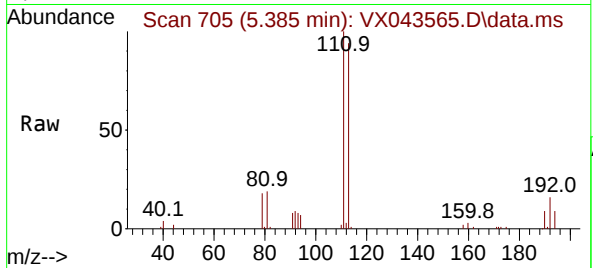




#35  
Dibromofluoromethane  
Concen: 49.929 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

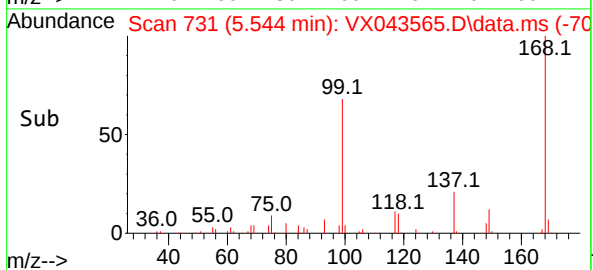
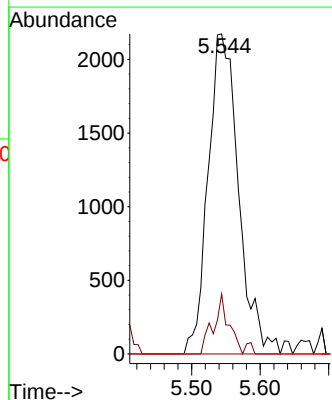
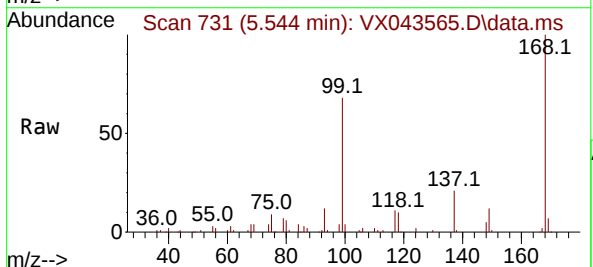
Instrument :  
MSVOA\_X  
ClientSampleId :

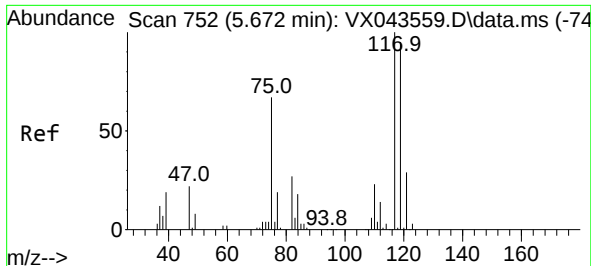
Tgt Ion:113 Resp: 52215  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.4 122.0  
192 18.4 14.1 21.1



#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

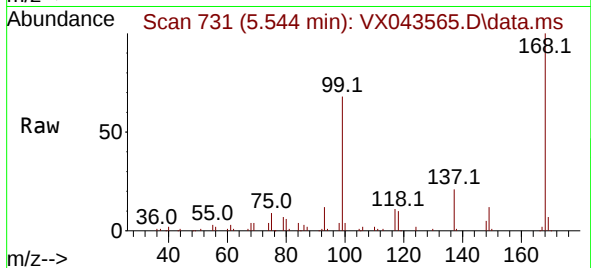
Tgt Ion: 75 Resp: 6699  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.9 53.7#  
77 0.0 25.0 37.4#



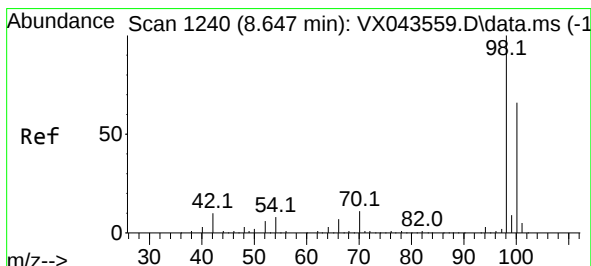
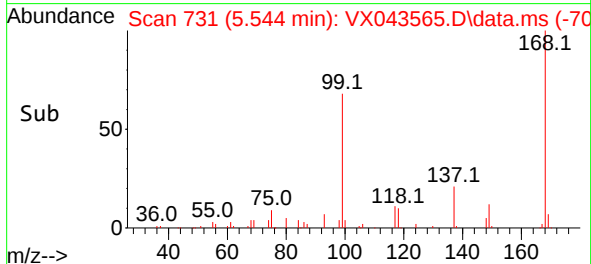
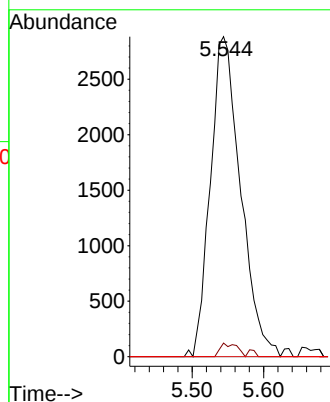


#38  
Carbon Tetrachloride  
Concen: 6.177 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

Instrument :  
MSVOA\_X  
ClientSampleId :

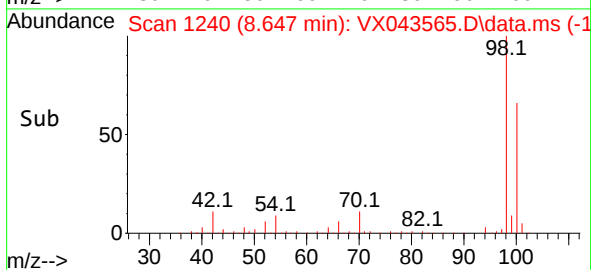
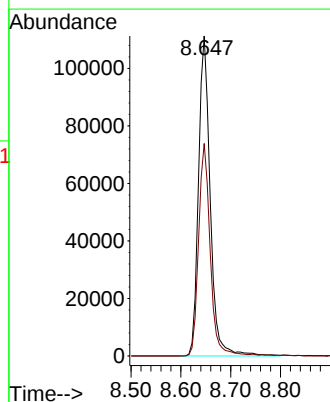
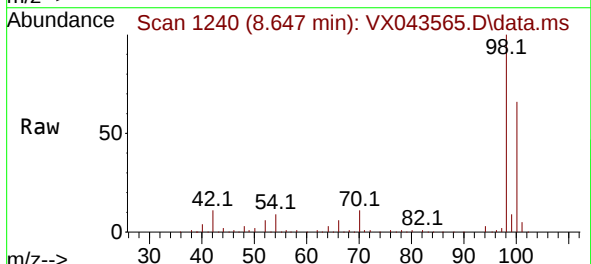


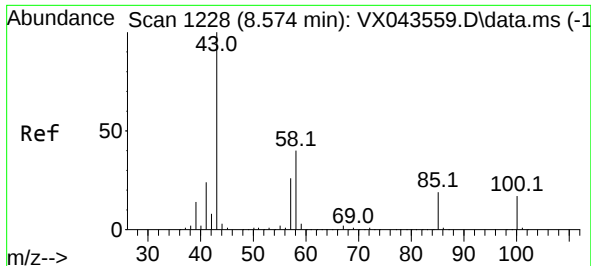
Tgt Ion:117 Resp: 8463  
Ion Ratio Lower Upper  
117 100  
119 4.3 77.0 115.6#  
121 0.0 24.7 37.1#



#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

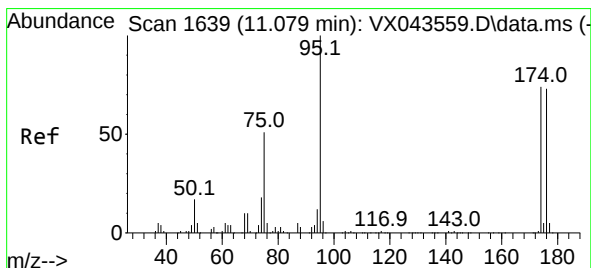
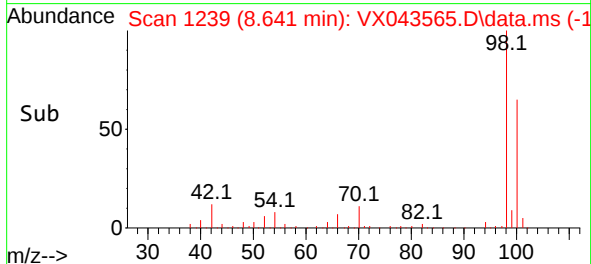
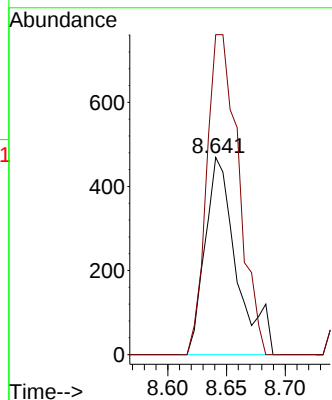
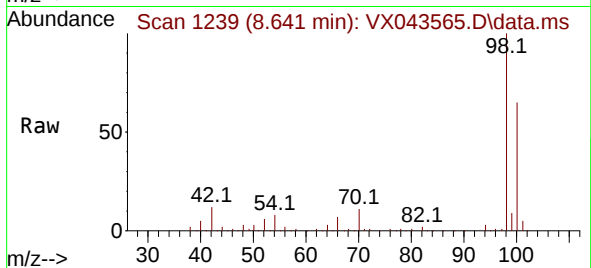
ClientSampleId :

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

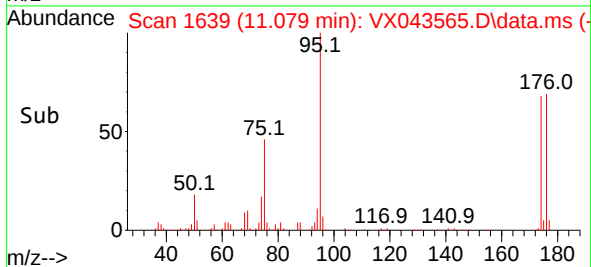
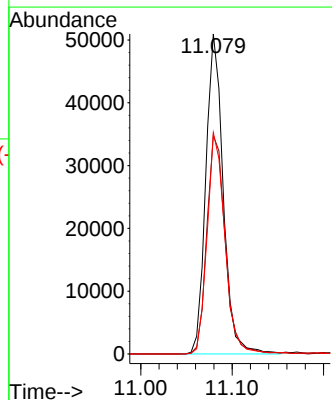
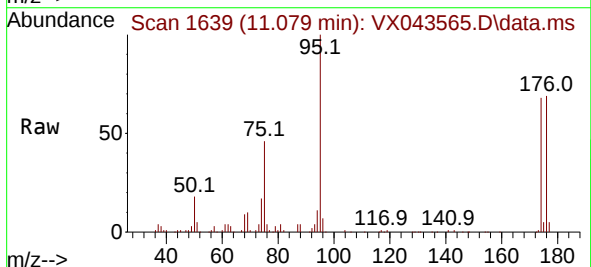
Tgt Ion: 95 Resp: 67327

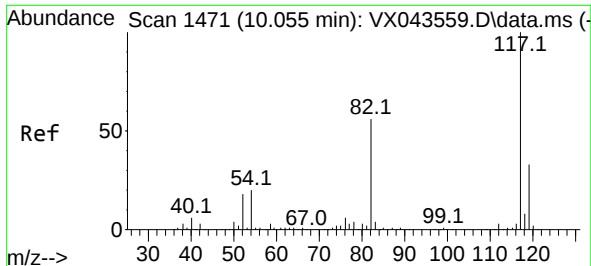
Ion Ratio Lower Upper

95 100

174 72.3 0.0 146.6

176 70.8 0.0 139.6

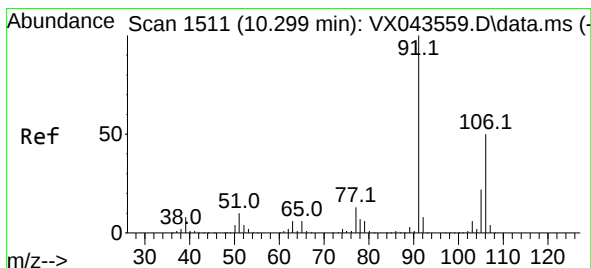
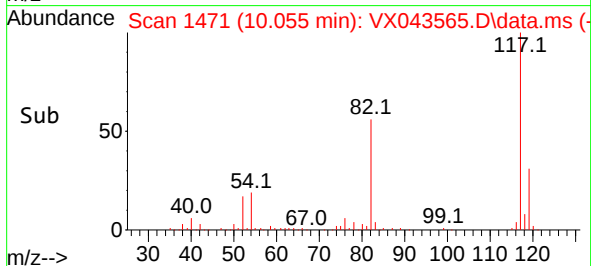
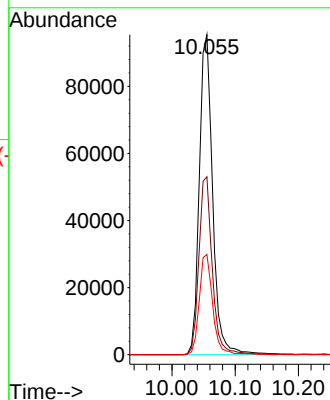
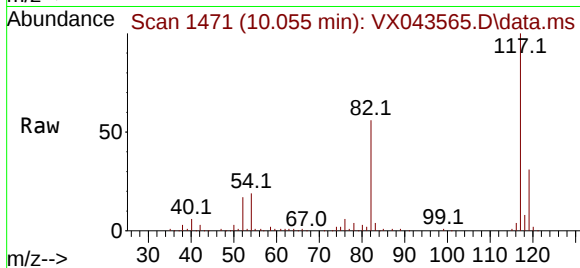




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

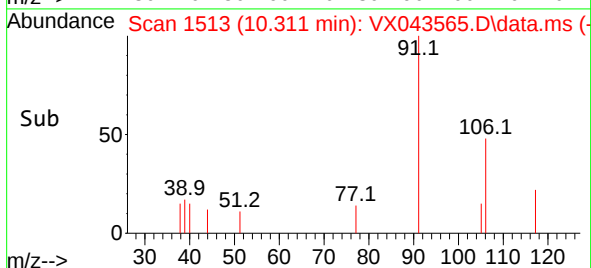
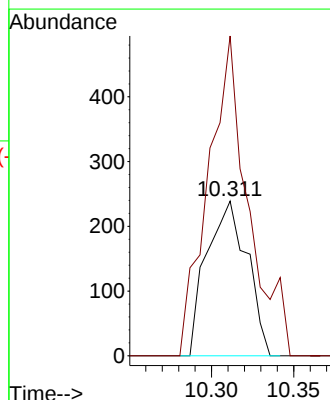
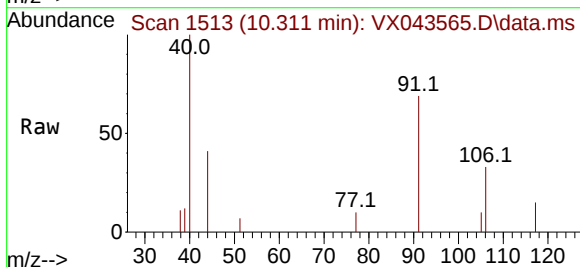
Instrument :  
MSVOA\_X  
ClientSampleId :

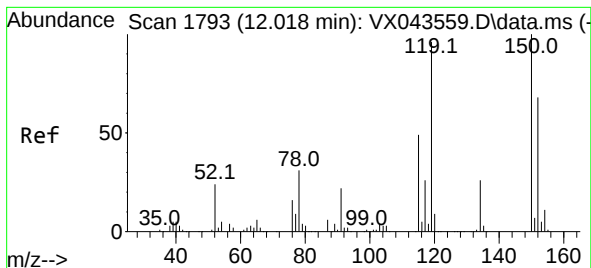
Tgt Ion:117 Resp: 140293  
Ion Ratio Lower Upper  
117 100  
82 55.6 42.1 63.1  
119 31.3 25.4 38.2



#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 :

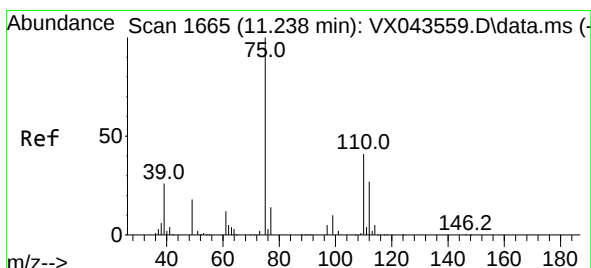
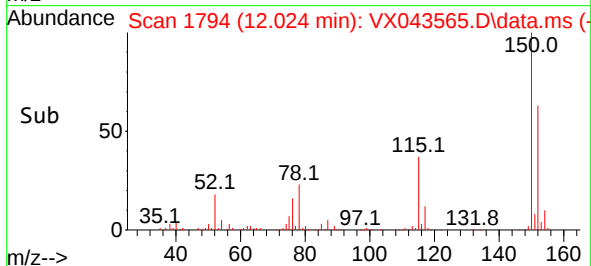
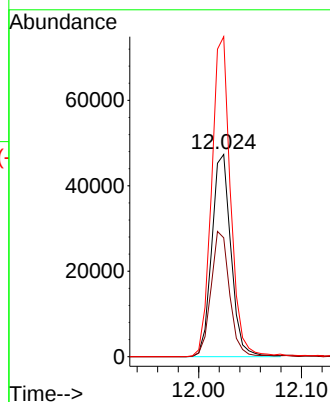
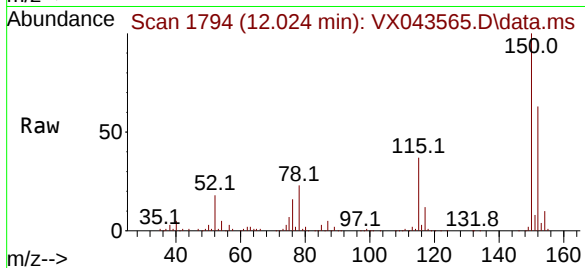
Tgt Ion:152 Resp: 61487

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

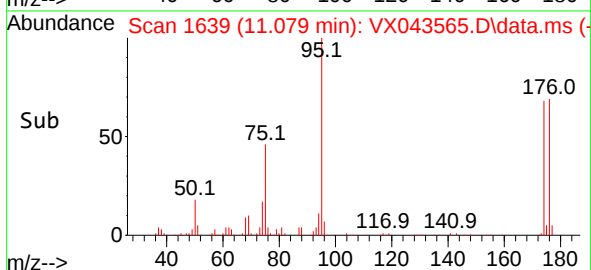
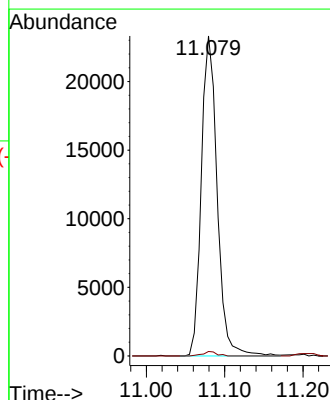
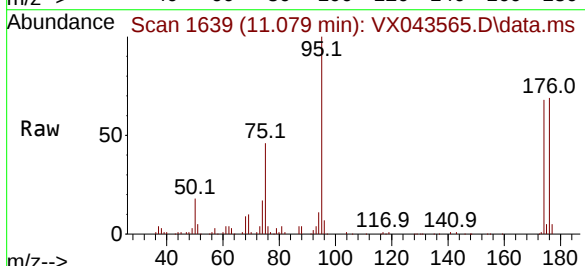
Acq: 28 Oct 2024 15:52

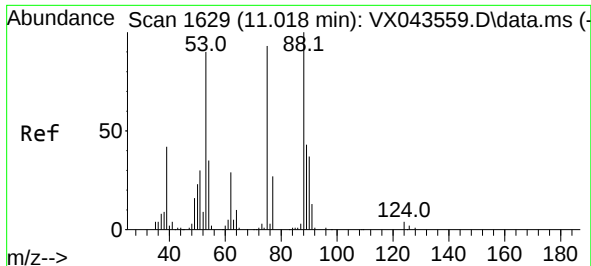
Tgt Ion: 75 Resp: 32802

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#

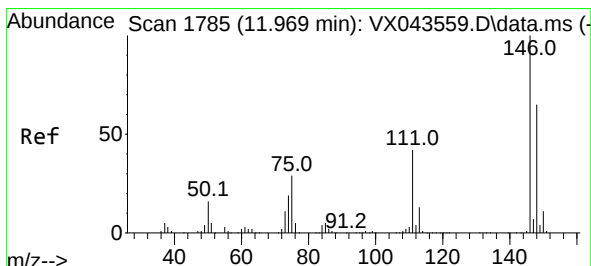
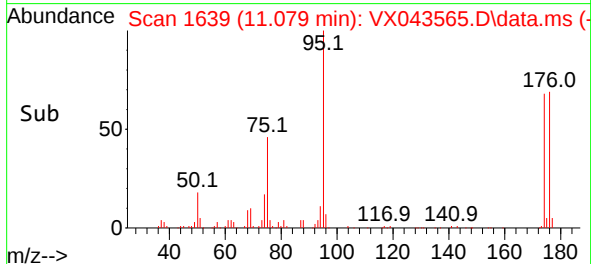
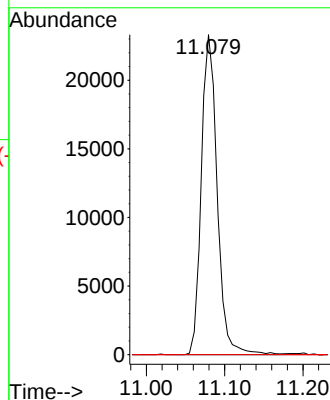
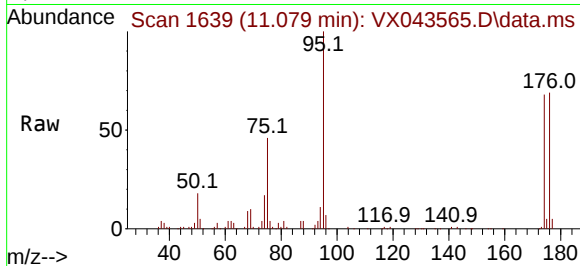




#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.640 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX043565.D  
Acq: 28 Oct 2024 15:52

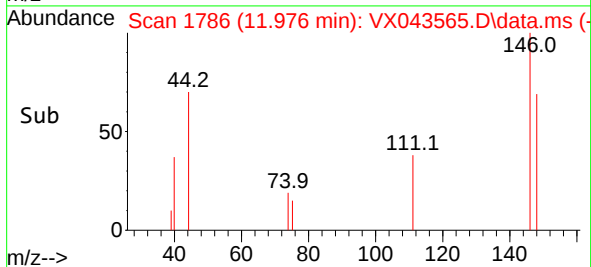
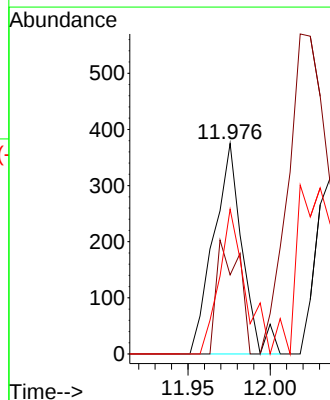
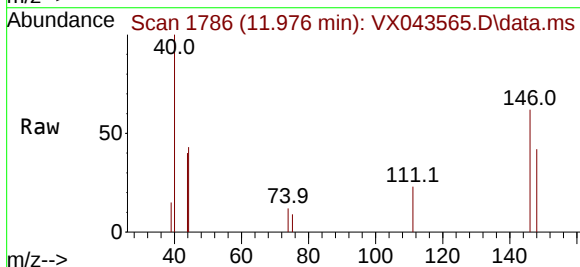
Instrument :  
MSVOA\_X  
ClientSampleId :

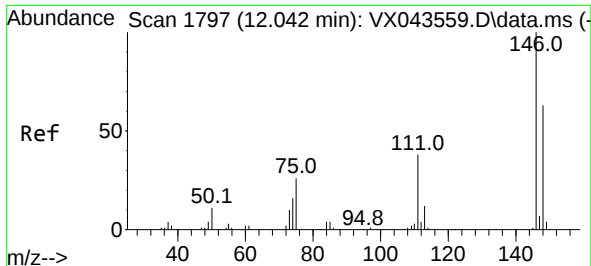
Tgt Ion: 75 Resp: 32802  
Ion Ratio Lower Upper  
75 100  
53 0.0 84.6 126.8#  
89 0.0 38.6 58.0#



#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

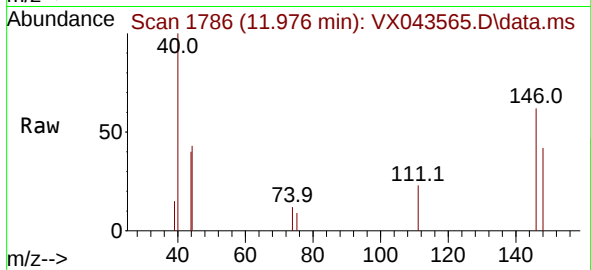
Lab File: VX043565.D

Acq: 28 Oct 2024 15:52

Instrument :

MSVOA\_X

ClientSampleId :



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

