

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102924\  
 Data File : VX043594.D  
 Acq On : 29 Oct 2024 14:06  
 Operator : JC/MD  
 Sample : P4548-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

Quant Time: Oct 30 01:31:45 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

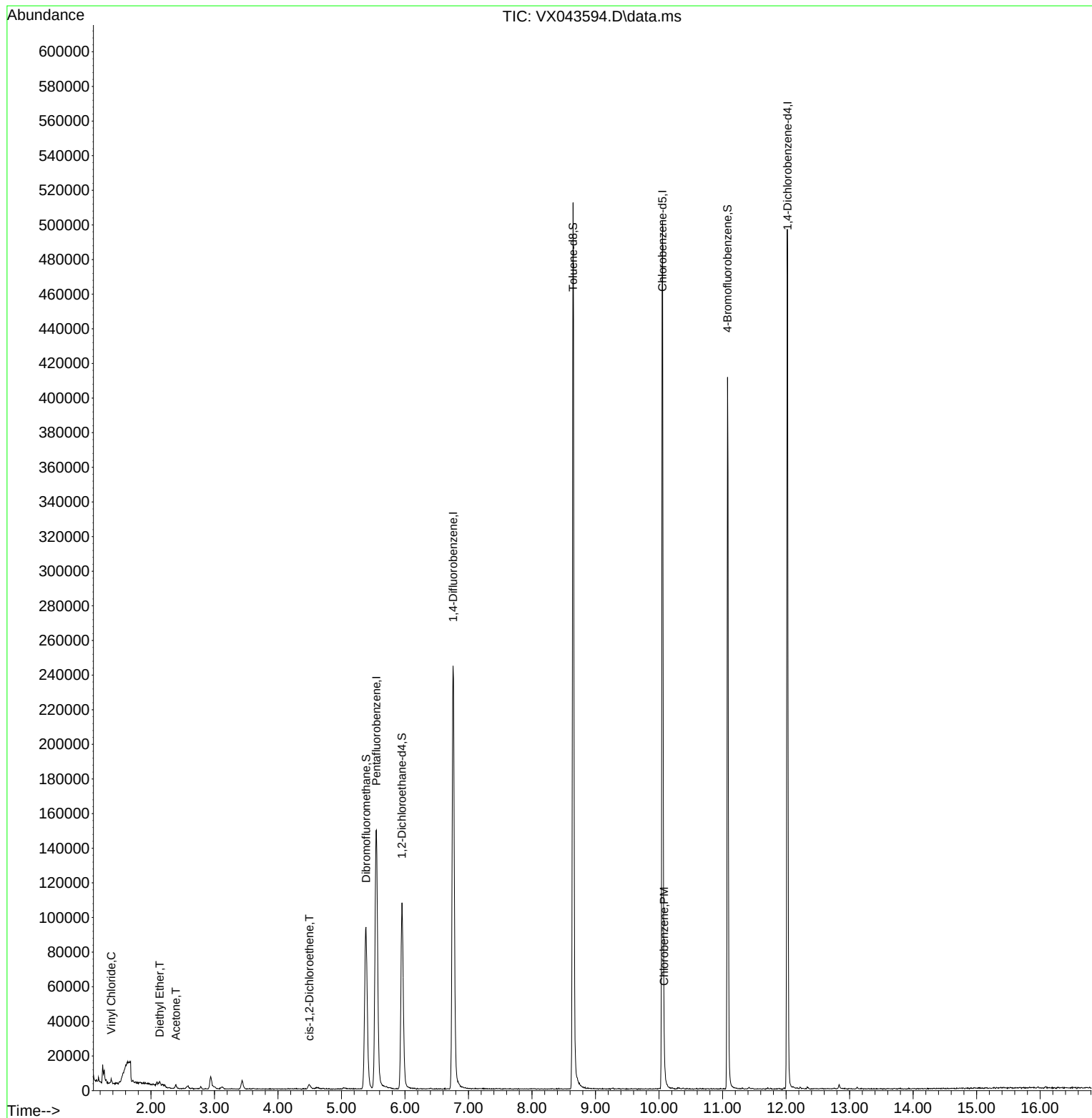
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 149761   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 275286   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 240367   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 106864   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 102170   | 42.785   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 85.580%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 85635    | 45.875   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 91.740%  |
| 50) Toluene-d8              | 8.647  | 98    | 320898   | 49.660   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 99.320%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 114189   | 47.689   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 95.380%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride           | 1.374  | 62    | 1134     | 0.597    | ug/l   | 99       |
| 8) Diethyl Ether            | 2.136  | 74    | 607      | 0.566    | ug/l   | 77       |
| 16) Acetone                 | 2.392  | 43    | 1991     | 2.100    | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene  | 4.495  | 96    | 1940     | 0.896    | ug/l   | 89       |
| 65) Chlorobenzene           | 10.079 | 112   | 4463     | 0.863    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

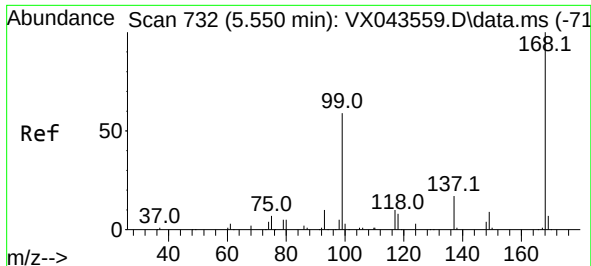
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102824W.M  
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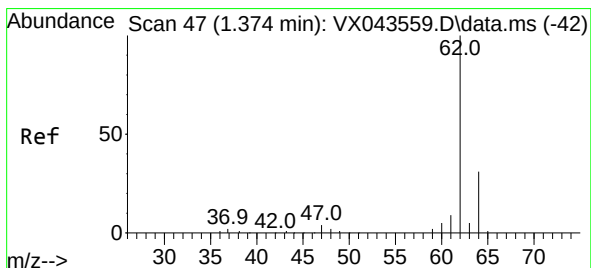
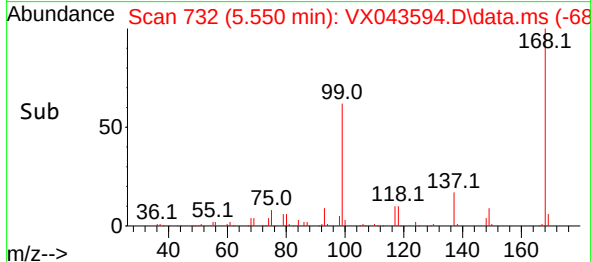
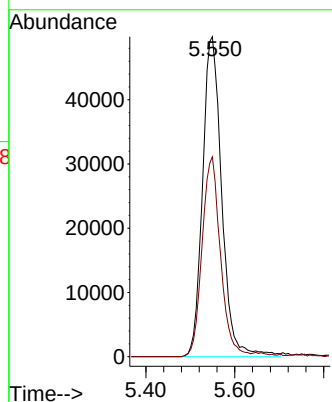
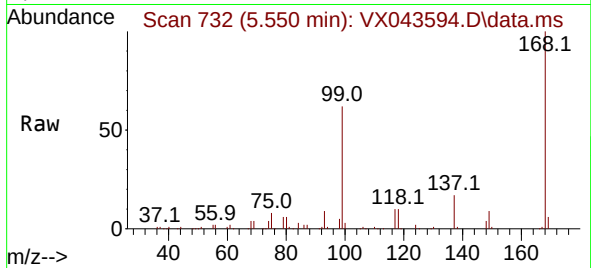




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX043594.D  
Acq: 29 Oct 2024 14:06

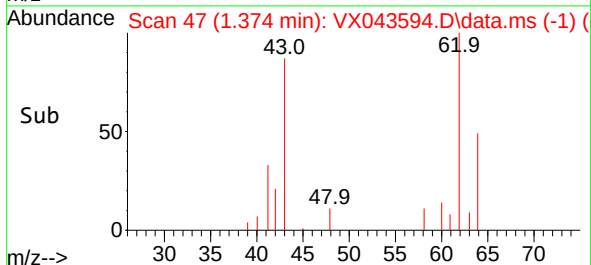
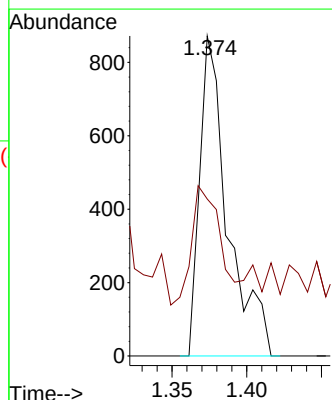
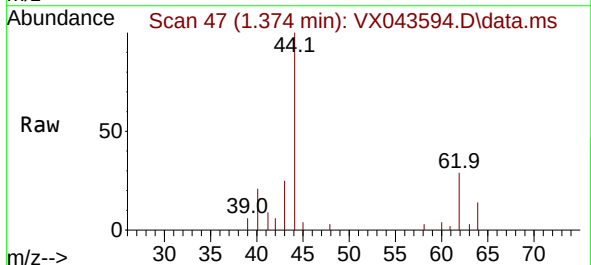
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

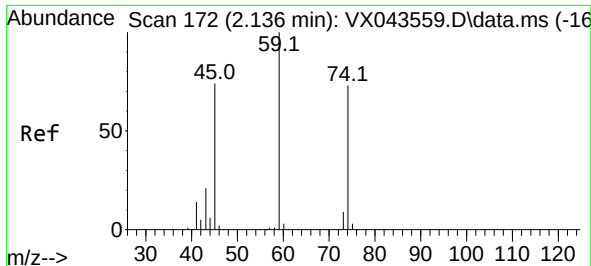
Tgt Ion:168 Resp: 149761  
Ion Ratio Lower Upper  
168 100  
99 62.4 52.6 78.8



#4  
Vinyl Chloride  
Concen: 0.597 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX043594.D  
Acq: 29 Oct 2024 14:06

Tgt Ion: 62 Resp: 1134  
Ion Ratio Lower Upper  
62 100  
64 30.7 25.0 37.4





#8

Diethyl Ether

Concen: 0.566 ug/l

RT: 2.136 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043594.D

Acq: 29 Oct 2024 14:06

Instrument :

MSVOA\_X

ClientSampleId :

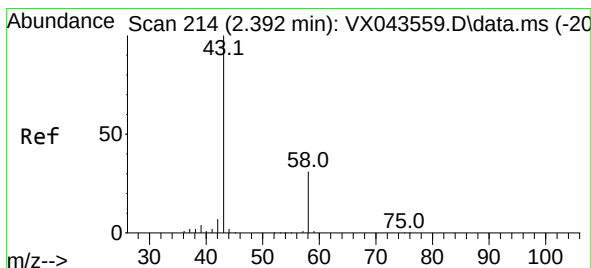
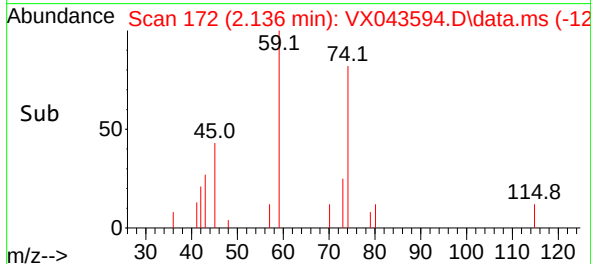
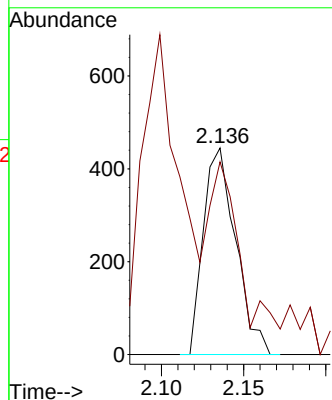
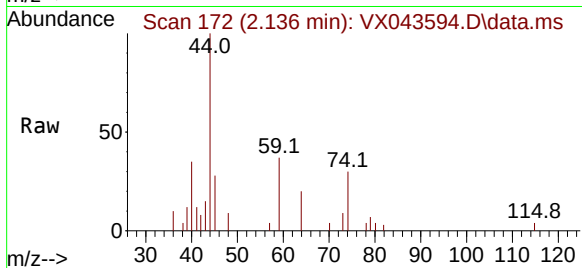
MW-2

Tgt Ion: 74 Resp: 607

Ion Ratio Lower Upper

74 100

45 72.8 47.5 142.5



#16

Acetone

Concen: 2.100 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043594.D

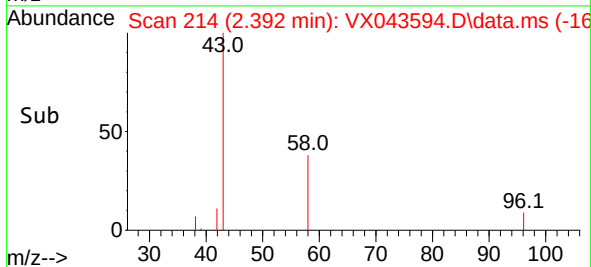
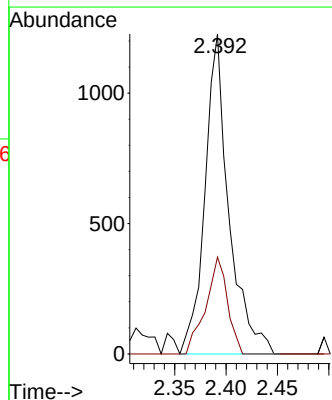
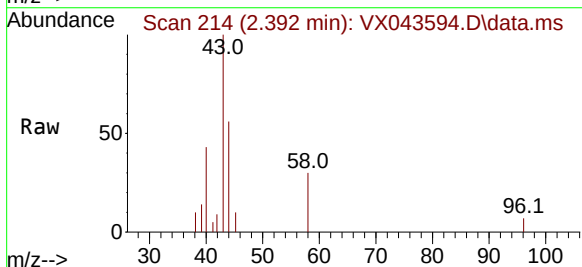
Acq: 29 Oct 2024 14:06

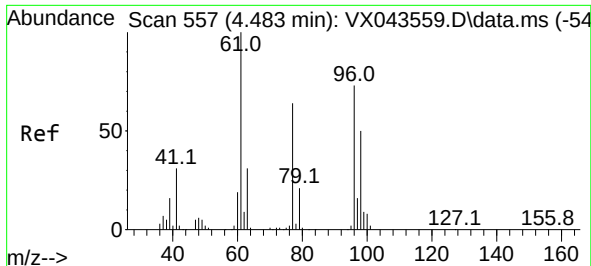
Tgt Ion: 43 Resp: 1991

Ion Ratio Lower Upper

43 100

58 30.2 25.1 37.7





#27

cis-1,2-Dichloroethene

Concen: 0.896 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043594.D

Acq: 29 Oct 2024 14:06

Instrument :

MSVOA\_X

ClientSampleId :

MW-2

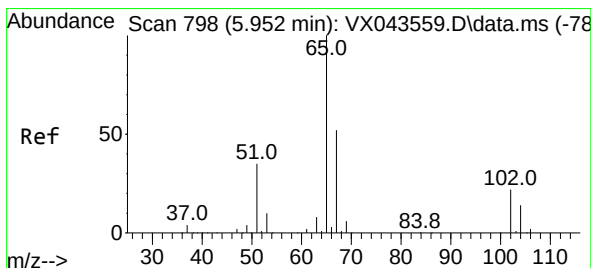
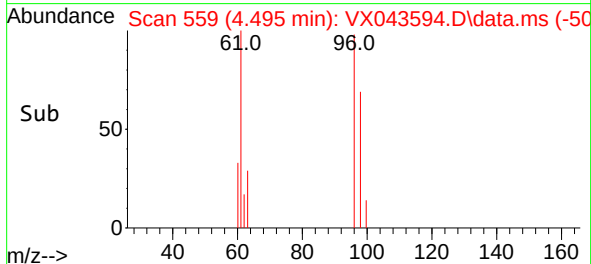
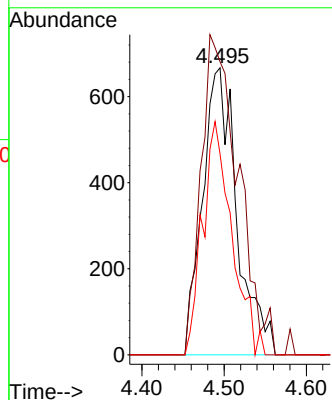
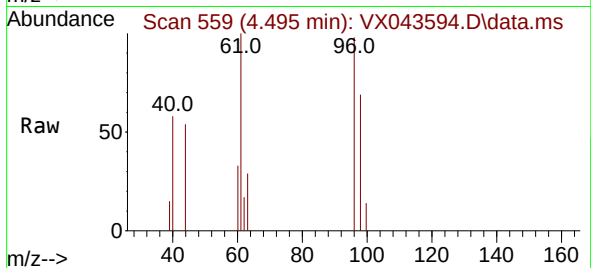
Tgt Ion: 96 Resp: 1940

Ion Ratio Lower Upper

96 100

61 120.4 0.0 277.2

98 69.0 0.0 131.6



#33

1,2-Dichloroethane-d4

Concen: 42.785 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043594.D

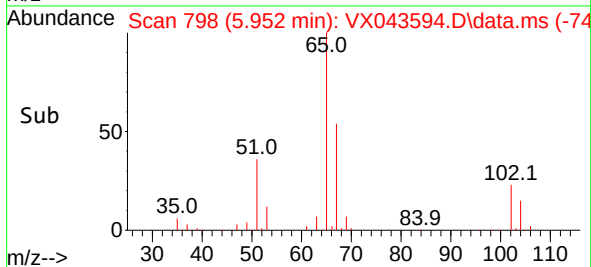
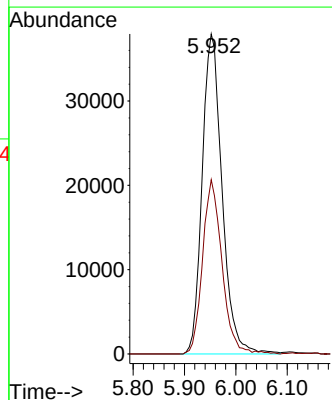
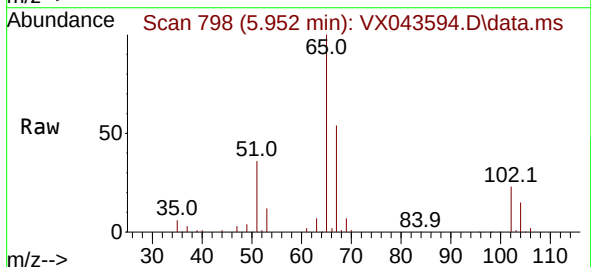
Acq: 29 Oct 2024 14:06

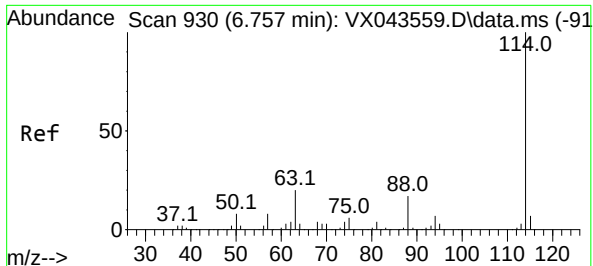
Tgt Ion: 65 Resp: 102170

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.4

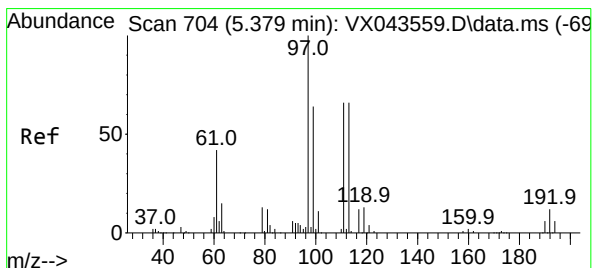
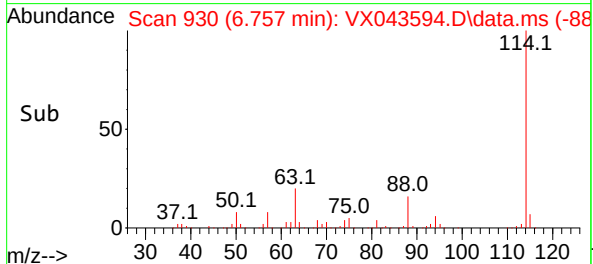
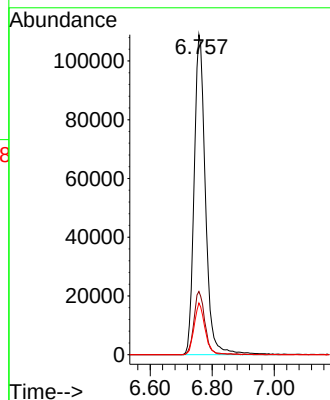
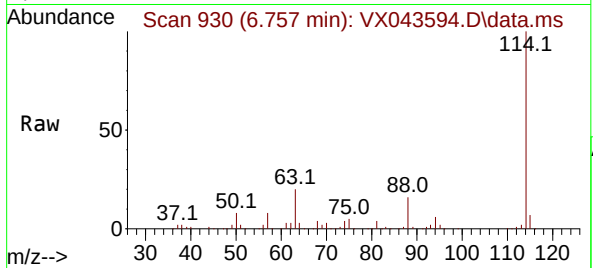




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX043594.D  
Acq: 29 Oct 2024 14:06

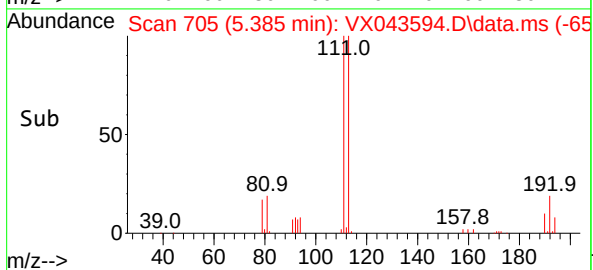
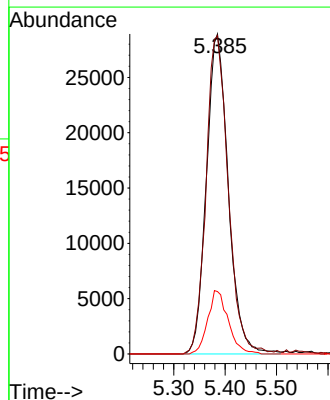
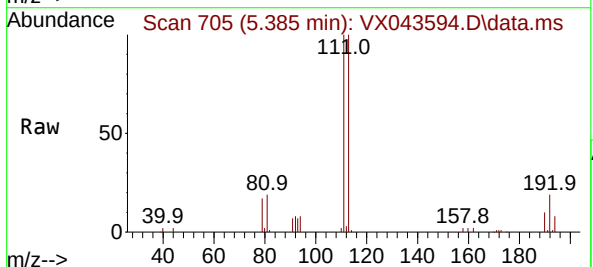
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

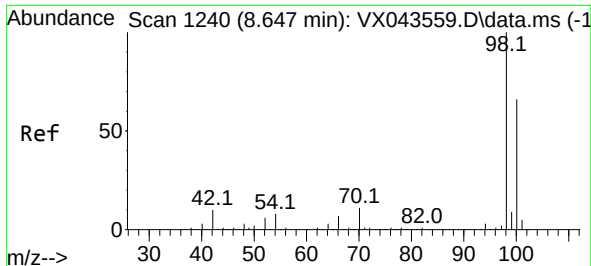
Tgt Ion:114 Resp: 275286  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 41.2  
88 16.1 0.0 34.0



#35  
Dibromofluoromethane  
Concen: 45.875 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX043594.D  
Acq: 29 Oct 2024 14:06

Tgt Ion:113 Resp: 85635  
Ion Ratio Lower Upper  
113 100  
111 100.5 81.4 122.0  
192 18.6 14.1 21.1

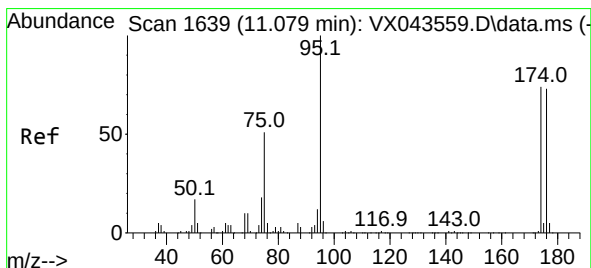
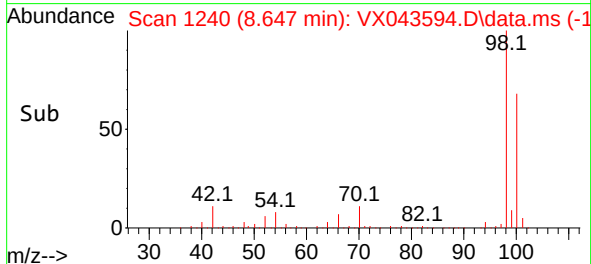
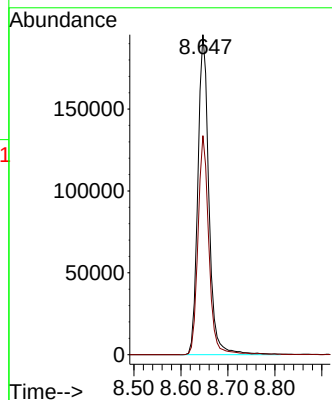
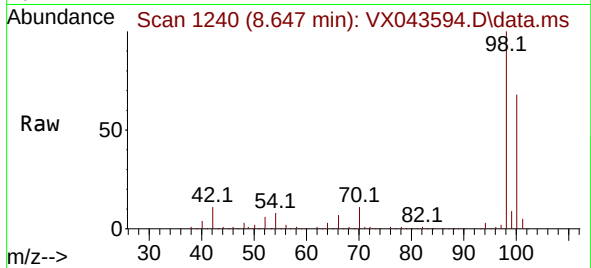




#50  
Toluene-d8  
Concen: 49.660 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX043594.D  
Acq: 29 Oct 2024 14:06

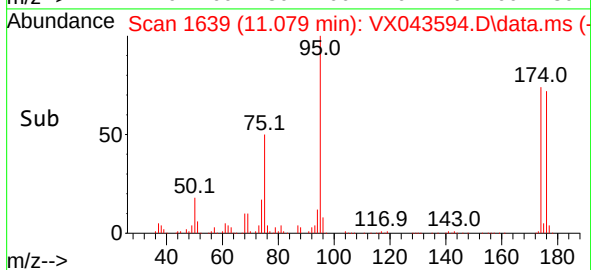
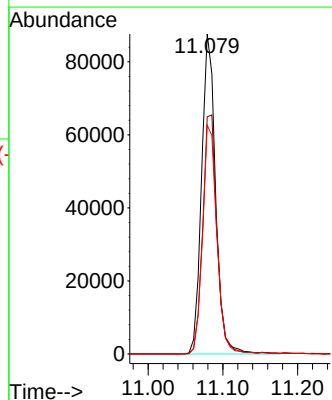
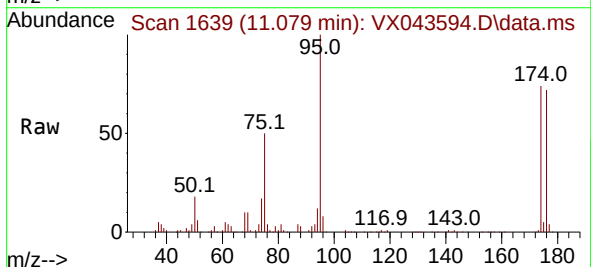
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

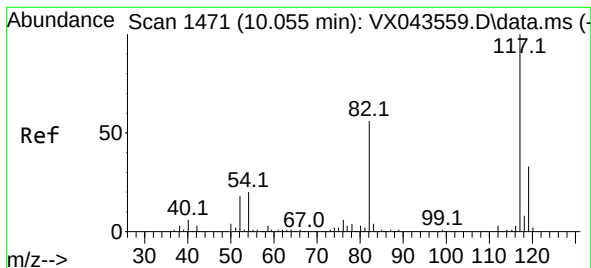
Tgt Ion: 98 Resp: 320898  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.4 80.2



#62  
4-Bromofluorobenzene  
Concen: 47.689 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043594.D  
Acq: 29 Oct 2024 14:06

Tgt Ion: 95 Resp: 114189  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 146.6  
176 72.9 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: VX043594.D

Acq: 29 Oct 2024 14:06

Instrument :

MSVOA\_X

ClientSampleId :

MW-2

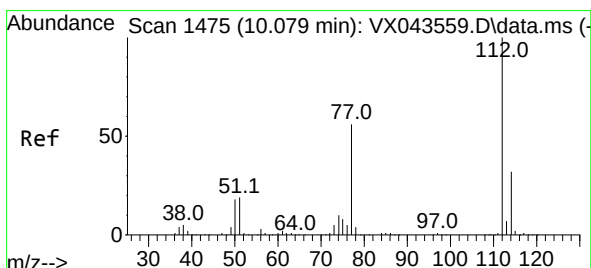
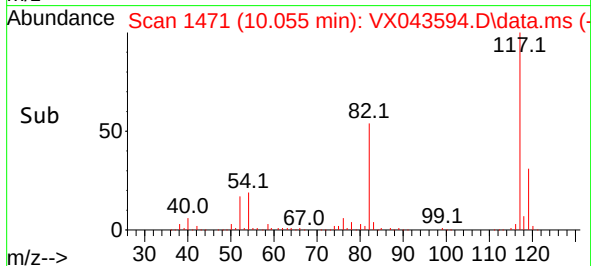
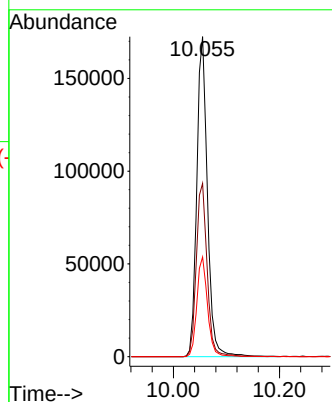
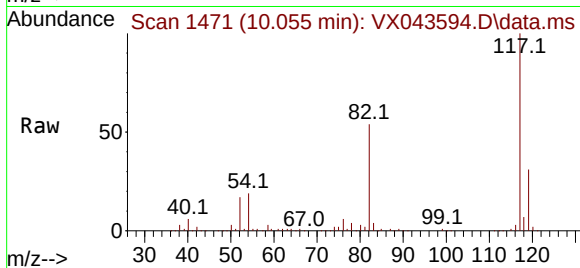
Tgt Ion:117 Resp: 240367

Ion Ratio Lower Upper

117 100

82 54.1 42.1 63.1

119 31.2 25.4 38.2



#65

Chlorobenzene

Concen: 0.863 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043594.D

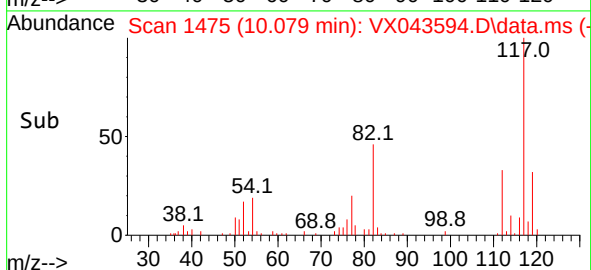
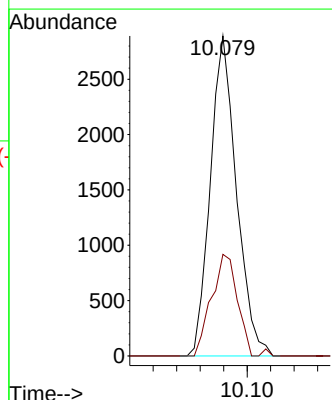
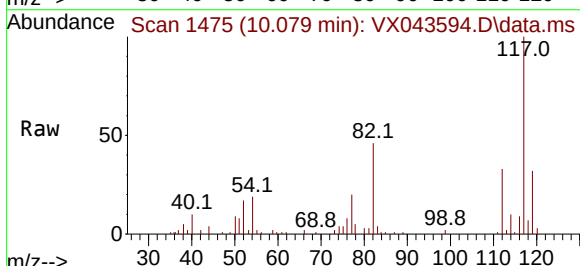
Acq: 29 Oct 2024 14:06

Tgt Ion:112 Resp: 4463

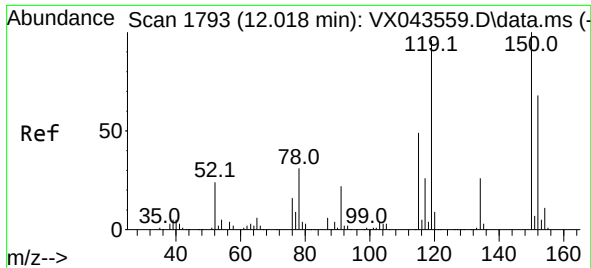
Ion Ratio Lower Upper

112 100

114 31.8 25.0 37.6

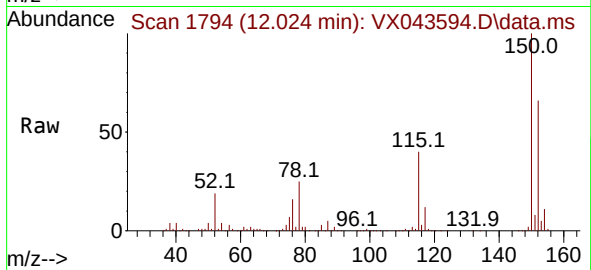






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX043594.D  
 Acq: 29 Oct 2024 14:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 106864      |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 61.7  | 42.9 128.7  |
| 150         | 156.6 | 0.0 343.6   |

