

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061025\  
 Data File : VX046591.D  
 Acq On : 10 Jun 2025 11:05  
 Operator : JC/MD  
 Sample : Q2262-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ARS20-0032

Quant Time: Jun 11 01:44:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 06 16:56:12 2025  
 Response via : Initial Calibration

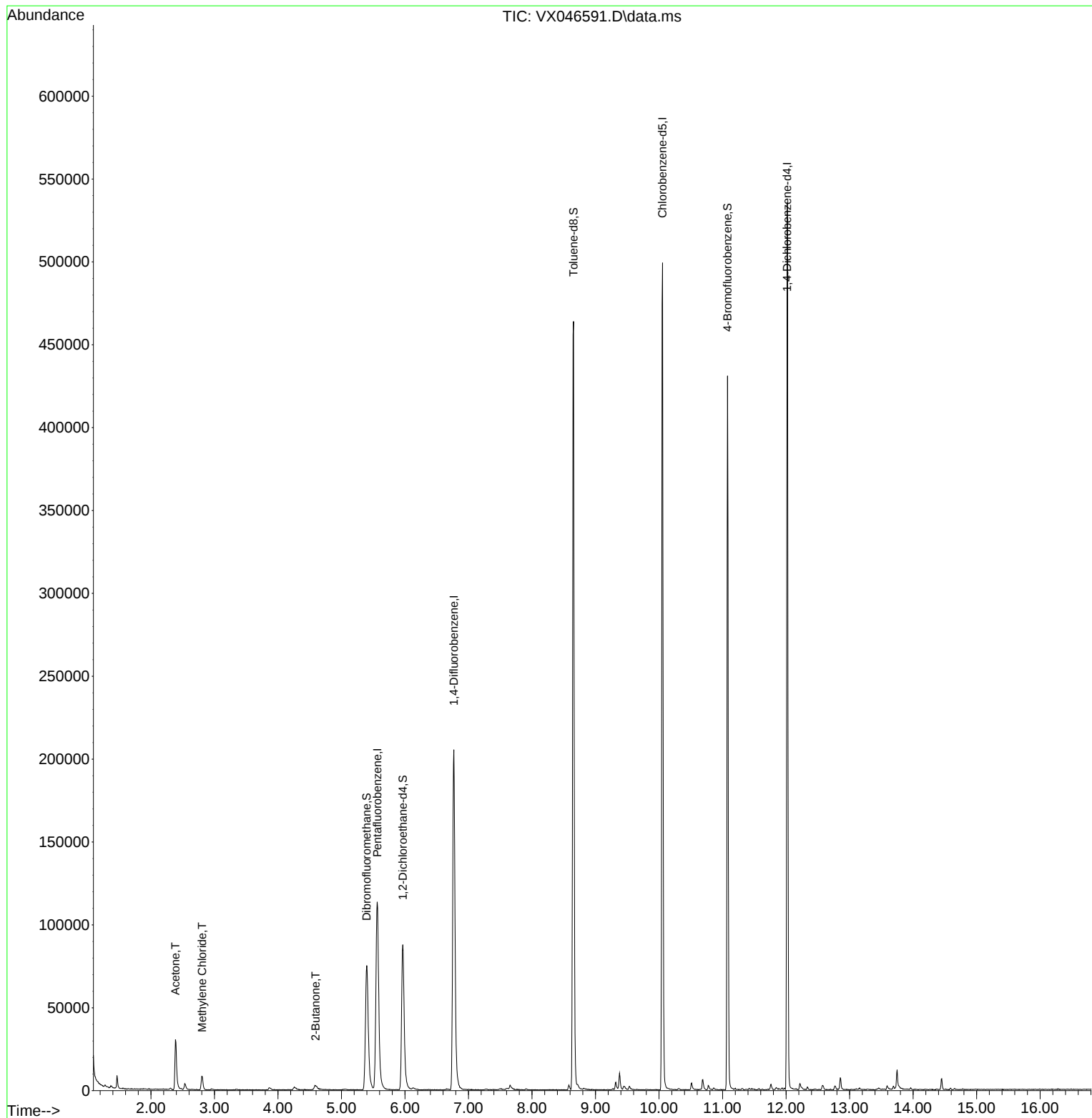
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.562  | 168   | 108529   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 214443   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 218390   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 104052   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 95571    | 49.497   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 99.000%  |
| 35) Dibromofluoromethane    | 5.397  | 113   | 71641    | 45.428   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 90.860%  |
| 50) Toluene-d8              | 8.653  | 98    | 279911   | 53.837   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 107.680% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 116327   | 54.077   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 108.160% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.386  | 43    | 38100    | 53.920   | ug/l   | 94       |
| 20) Methylene Chloride      | 2.806  | 84    | 4290     | 2.769    | ug/l   | 87       |
| 25) 2-Butanone              | 4.593  | 43    | 6276     | 5.839    | ug/l # | 86       |
| -----                       |        |       |          |          |        |          |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 06 16:56:12 2025  
Response via : Initial Calibration

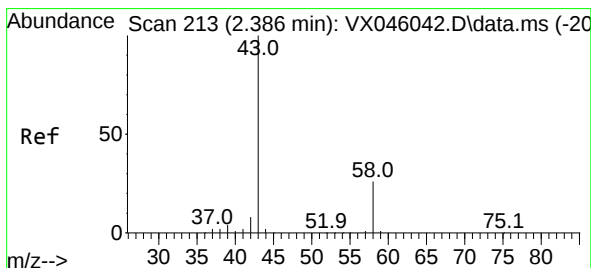
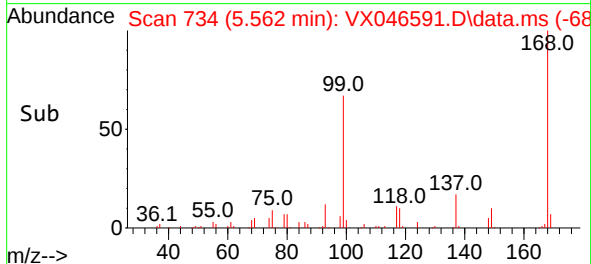
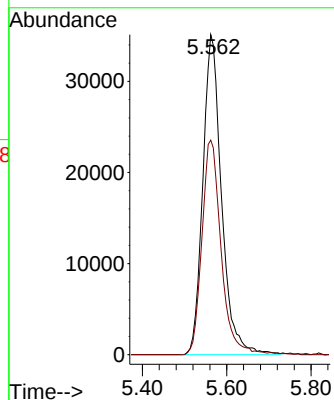
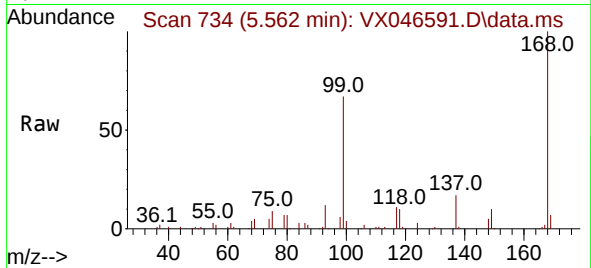




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX046591.D  
Acq: 10 Jun 2025 11:05

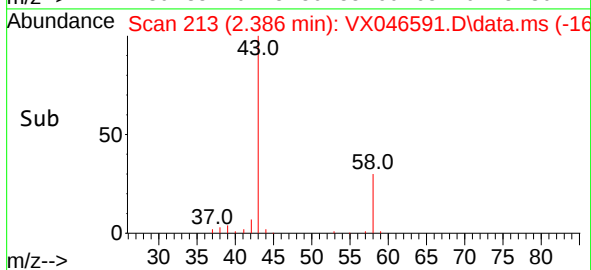
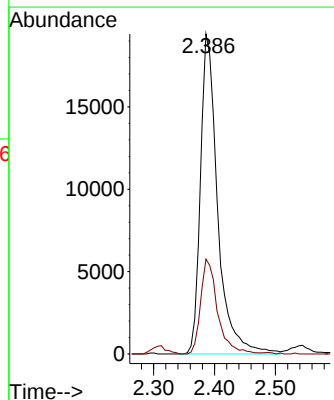
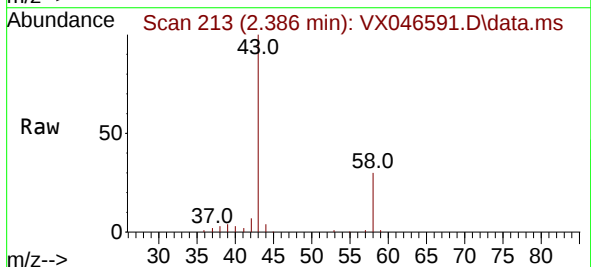
Instrument :  
MSVOA\_X  
ClientSampleId :  
ARS20-0032

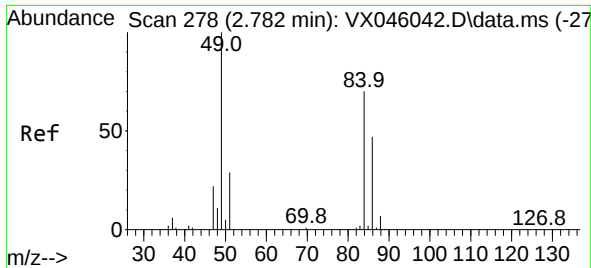
Tgt Ion:168 Resp: 108529  
Ion Ratio Lower Upper  
168 100  
99 67.0 54.9 82.3



#16  
Acetone  
Concen: 53.920 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX046591.D  
Acq: 10 Jun 2025 11:05

Tgt Ion: 43 Resp: 38100  
Ion Ratio Lower Upper  
43 100  
58 29.6 21.2 31.8

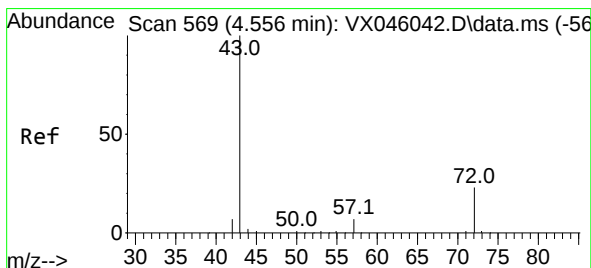
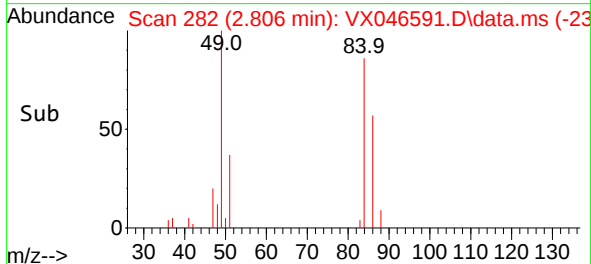
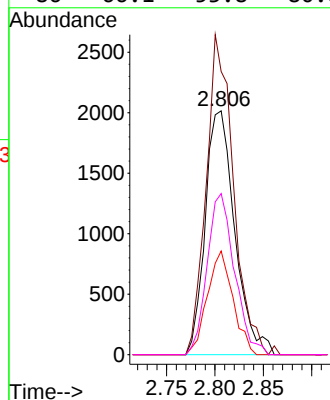
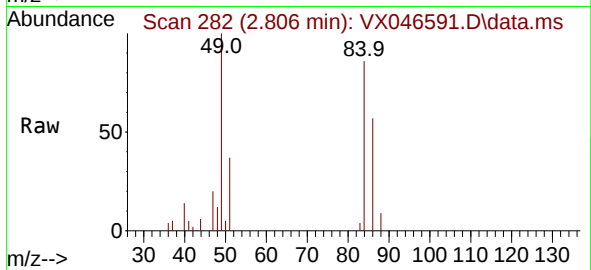




#20  
Methylene Chloride  
Concen: 2.769 ug/l  
RT: 2.806 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX046591.D  
Acq: 10 Jun 2025 11:05

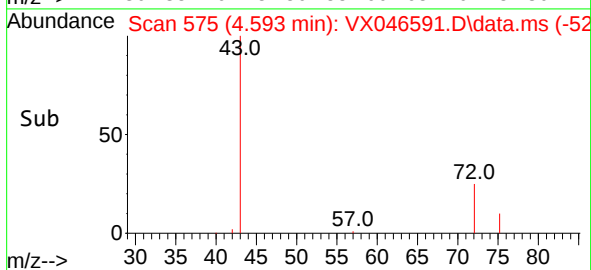
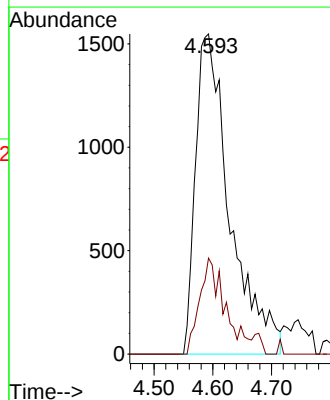
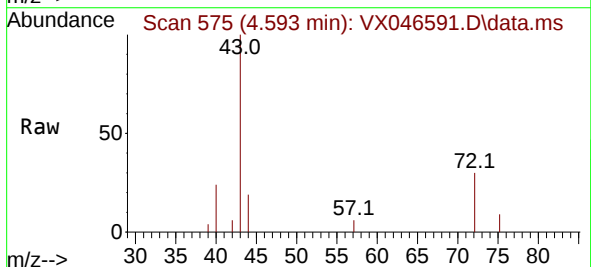
Instrument :  
MSVOA\_X  
ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 4290  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 116.2 | 113.9 | 170.9 |
| 51       | 42.5  | 33.5  | 50.3  |
| 86       | 66.1  | 53.8  | 80.8  |



#25  
2-Butanone  
Concen: 5.839 ug/l  
RT: 4.593 min Scan# 575  
Delta R.T. 0.019 min  
Lab File: VX046591.D  
Acq: 10 Jun 2025 11:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6276  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 30.0  | 18.4  | 27.6# |

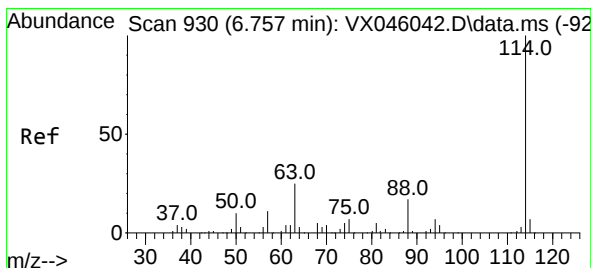
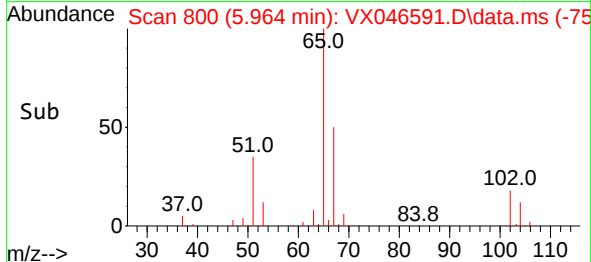
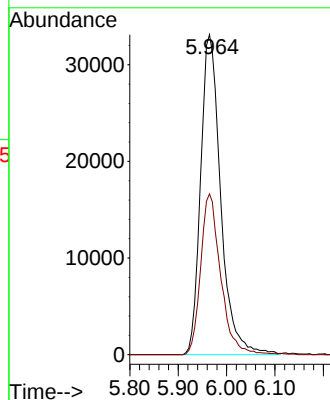
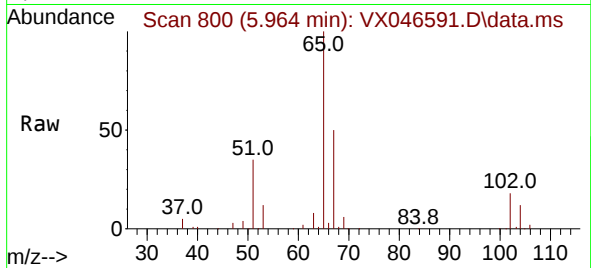




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.497 ug/l  
 RT: 5.964 min Scan# 800  
 Delta R.T. -0.006 min  
 Lab File: VX046591.D  
 Acq: 10 Jun 2025 11:05

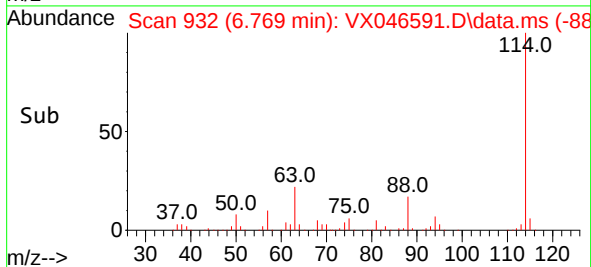
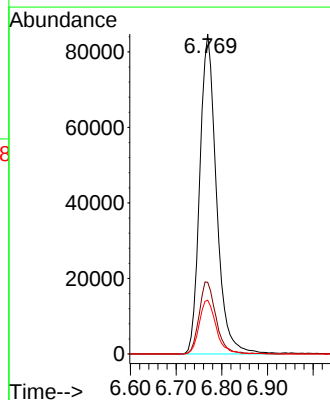
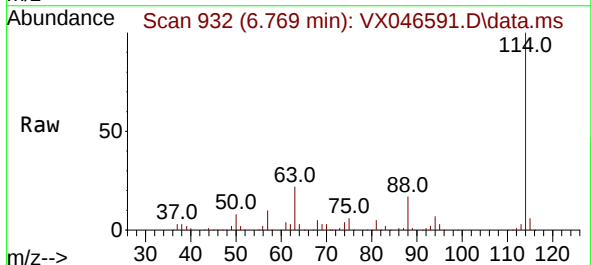
Instrument :  
 MSVOA\_X  
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Tgt Ion: 65 Resp: 95571  
 Ion Ratio Lower Upper  
 65 100  
 67 49.9 0.0 99.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.769 min Scan# 932  
 Delta R.T. -0.006 min  
 Lab File: VX046591.D  
 Acq: 10 Jun 2025 11:05

Tgt Ion: 114 Resp: 214443  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 49.2  
 88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 45.428 ug/l

RT: 5.397 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX046591.D

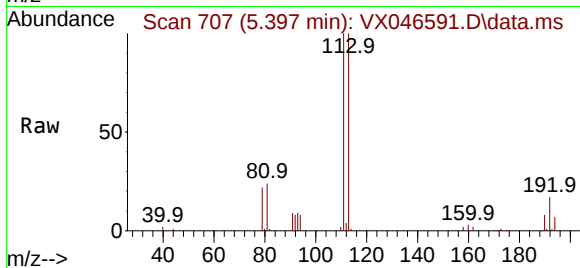
Acq: 10 Jun 2025 11:05

Instrument :

MSVOA\_X

ClientSampleId :

ARS20-0032



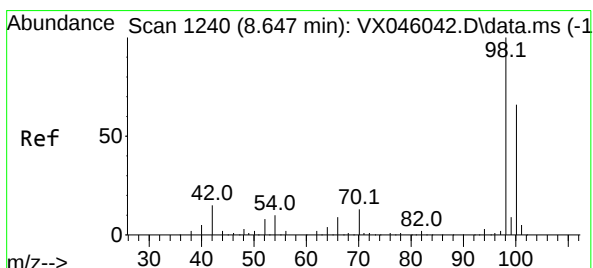
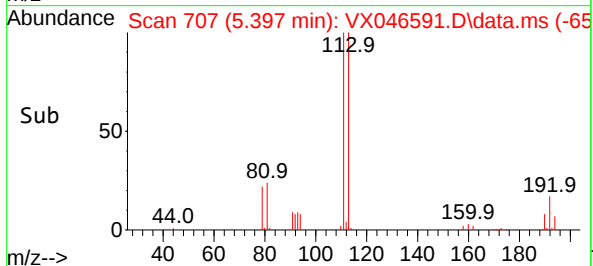
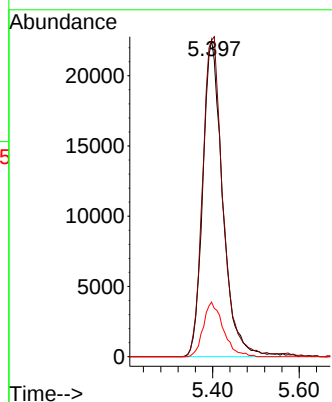
Tgt Ion:113 Resp: 71641

Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

192 17.4 13.3 19.9



#50

Toluene-d8

Concen: 53.837 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046591.D

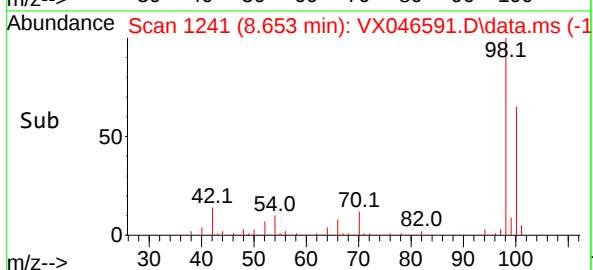
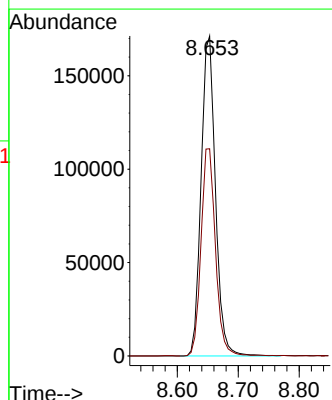
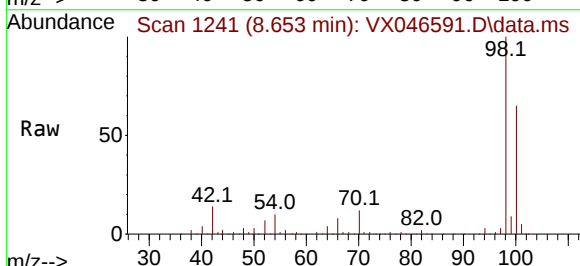
Acq: 10 Jun 2025 11:05

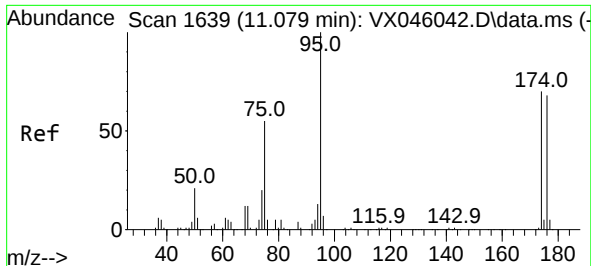
Tgt Ion: 98 Resp: 279911

Ion Ratio Lower Upper

98 100

100 65.3 53.5 80.3

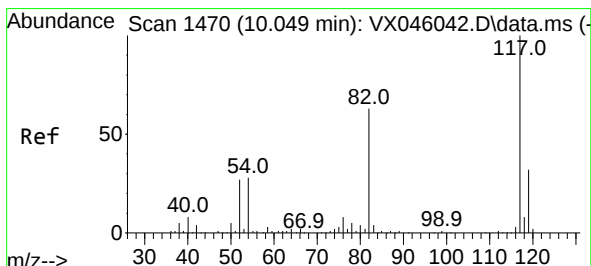
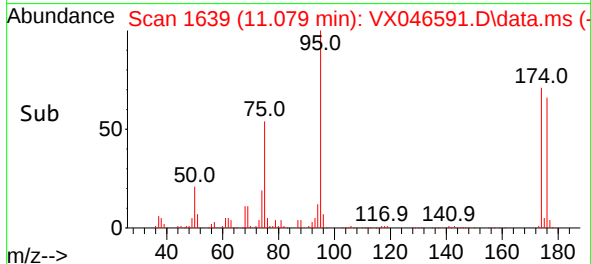
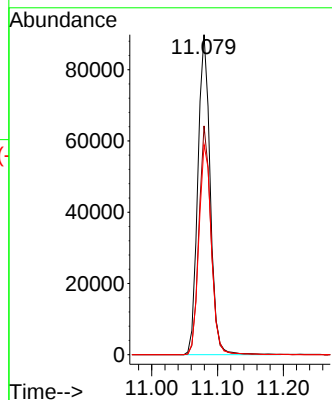
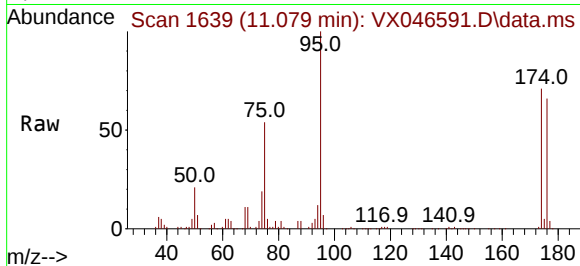




#62  
4-Bromofluorobenzene  
Concen: 54.077 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX046591.D  
Acq: 10 Jun 2025 11:05

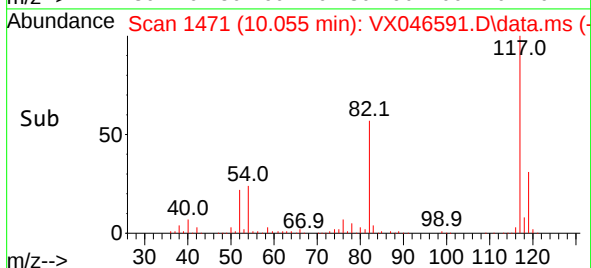
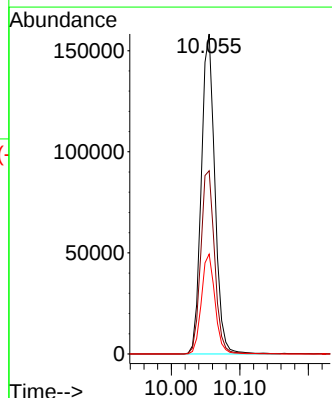
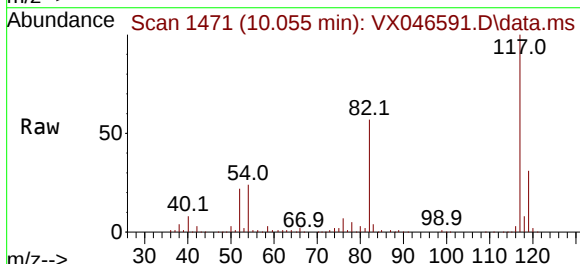
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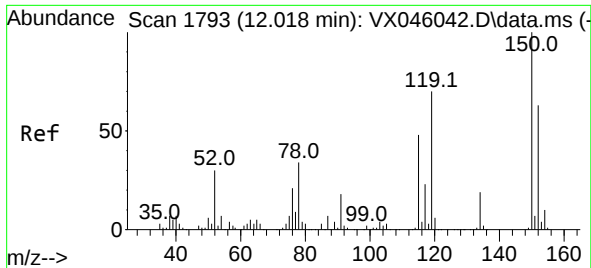
Tgt Ion: 95 Resp: 116327  
Ion Ratio Lower Upper  
95 100  
174 69.9 0.0 135.8  
176 66.9 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX046591.D  
Acq: 10 Jun 2025 11:05

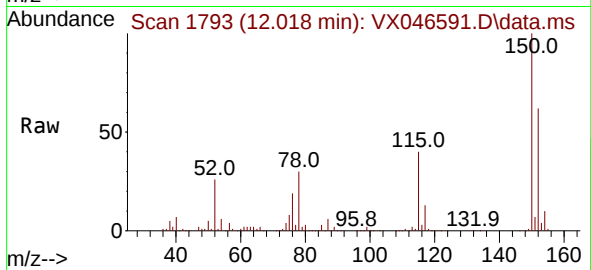
Tgt Ion: 117 Resp: 218390  
Ion Ratio Lower Upper  
117 100  
82 57.2 50.6 76.0  
119 31.2 25.8 38.6





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VX046591.D  
 Acq: 10 Jun 2025 11:05

Instrument :  
 MSVOA\_X  
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Tgt Ion:152 Resp: 104052  
 Ion Ratio Lower Upper  
 152 100  
 115 63.4 46.9 140.7  
 150 157.2 0.0 351.0

