

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080725\  
 Data File : VX047259.D  
 Acq On : 07 Aug 2025 13:48  
 Operator : JC/MD  
 Sample : Q2790-01DL 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 250806078-01 VOADL

Quant Time: Aug 08 02:44:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 2025  
 Response via : Initial Calibration

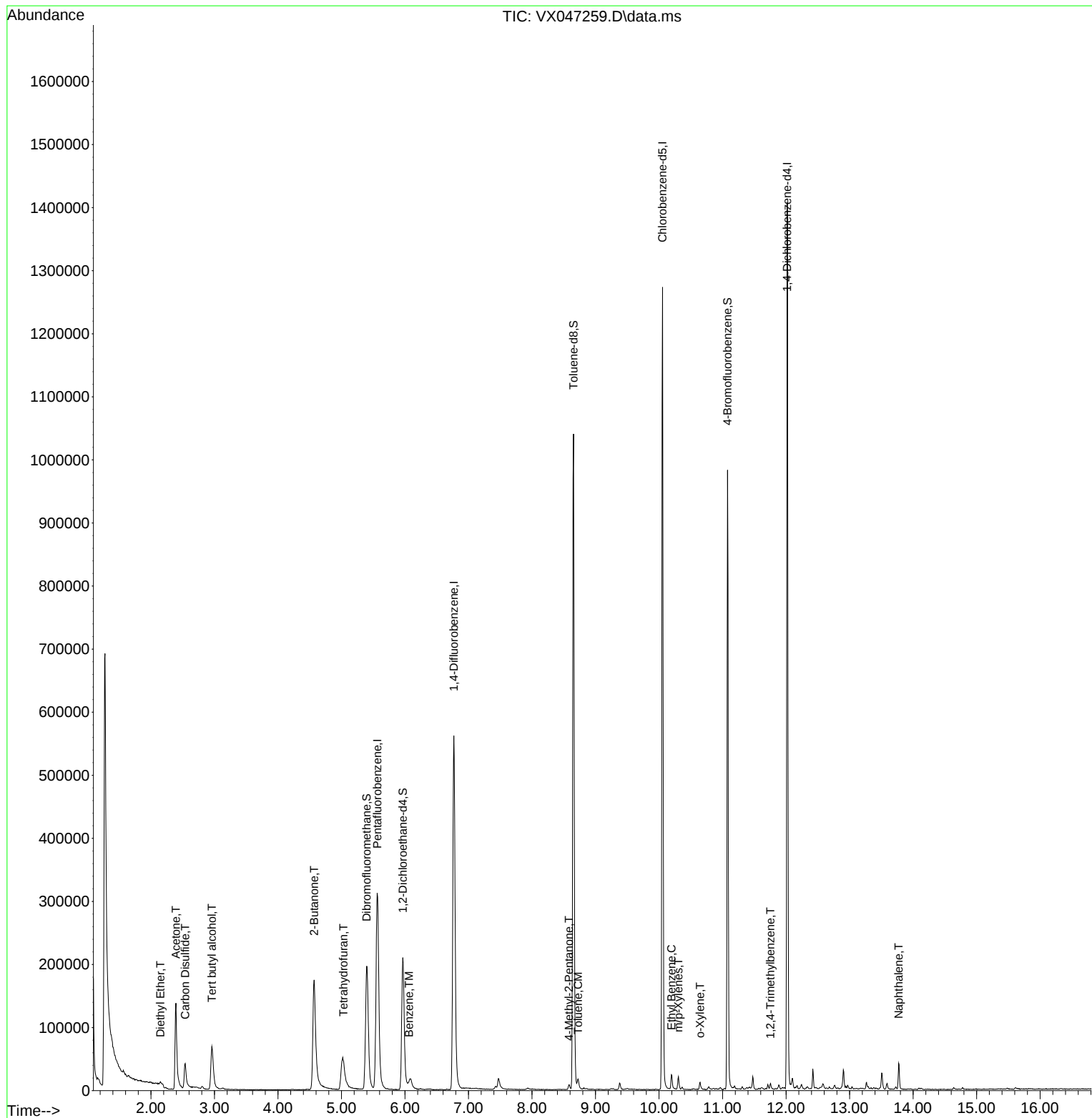
| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 5.562          | 168  | 317352              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769          | 114  | 603039              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 548202              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 268161              | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964          | 65   | 218824              | 55.354  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = 110.700% |         |        |          |
| 35) Dibromofluoromethane    | 5.397          | 113  | 187111              | 50.253  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 100.500% |         |        |          |
| 50) Toluene-d8              | 8.653          | 98   | 620910              | 51.493  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = 102.980% |         |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 263814              | 50.769  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 101.540% |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         | Qvalue |          |
| 8) Diethyl Ether            | 2.148          | 74   | 1374                | 0.583   | ug/l   | 71       |
| 11) Tert butyl alcohol      | 2.958          | 59   | 77279               | 163.673 | ug/l   | 95       |
| 16) Acetone                 | 2.391          | 43   | 180504              | 113.979 | ug/l   | 96       |
| 17) Carbon Disulfide        | 2.538          | 76   | 9926                | 0.860   | ug/l   | 98       |
| 25) 2-Butanone              | 4.568          | 43   | 307676              | 133.427 | ug/l   | 97       |
| 29) Tetrahydrofuran         | 5.031          | 42   | 38426               | 25.827  | ug/l   | 98       |
| 40) Benzene                 | 6.062          | 78   | 5456                | 0.297   | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone    | 8.579          | 43   | 5278                | 0.974   | ug/l   | 94       |
| 52) Toluene                 | 8.726          | 92   | 5917                | 0.524   | ug/l   | 100      |
| 67) Ethyl Benzene           | 10.195         | 91   | 14517               | 0.647   | ug/l   | 97       |
| 68) m/p-Xylenes             | 10.305         | 106  | 4795                | 0.571   | ug/l   | 100      |
| 69) o-Xylene                | 10.646         | 106  | 2765                | 0.346   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.756         | 105  | 3970                | 0.228   | ug/l   | 89       |
| 95) Naphthalene             | 13.774         | 128  | 27252               | 1.527   | ug/l   | 99       |
| -----                       |                |      |                     |         |        |          |

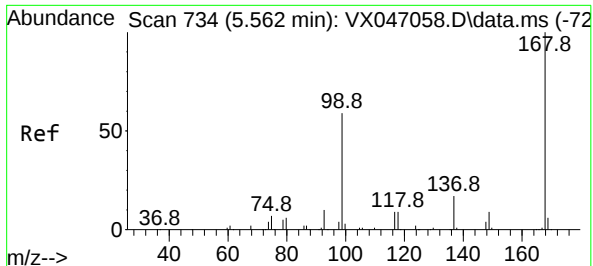
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080725\  
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Sample : Q2790-01DL 10X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
250806078-01 VOADL

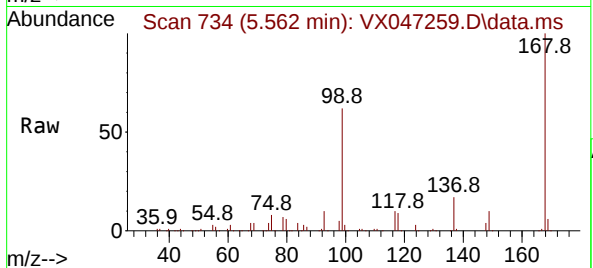
Quant Time: Aug 08 02:44:14 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 2025  
Response via : Initial Calibration



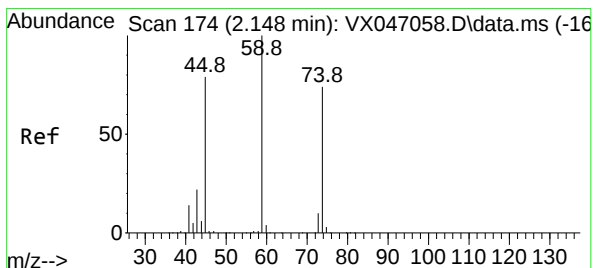
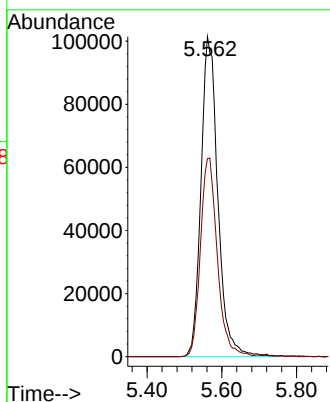
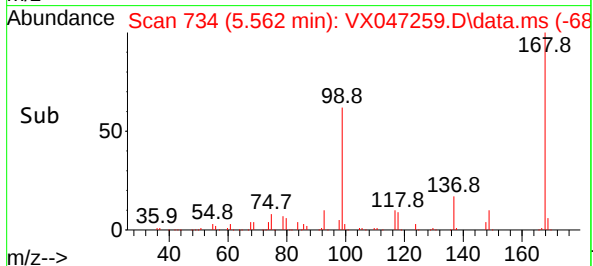


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
250806078-01 VOADL

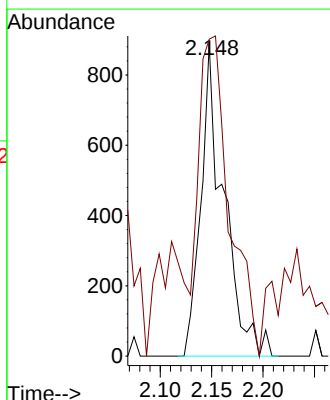
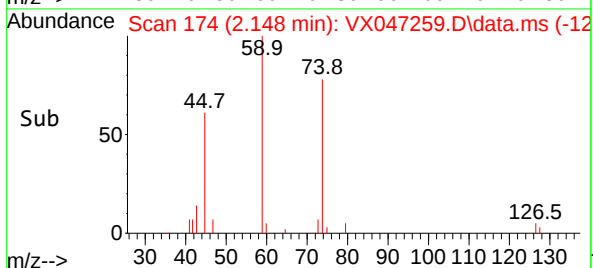
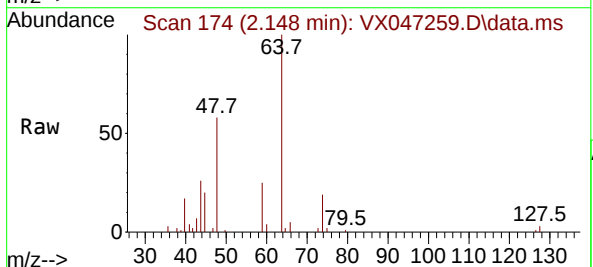


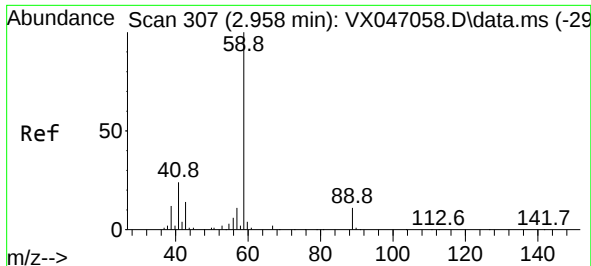
Tgt Ion:168 Resp: 317352  
Ion Ratio Lower Upper  
168 100  
99 61.9 48.0 72.0



#8  
Diethyl Ether  
Concen: 0.583 ug/l  
RT: 2.148 min Scan# 174  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Tgt Ion: 74 Resp: 1374  
Ion Ratio Lower Upper  
74 100  
45 136.2 53.0 159.0

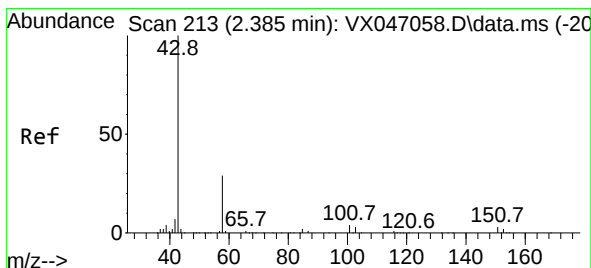
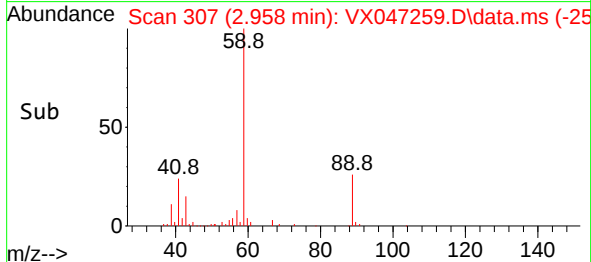
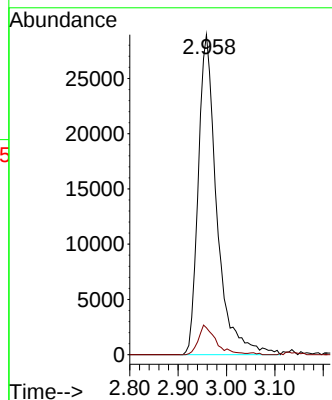
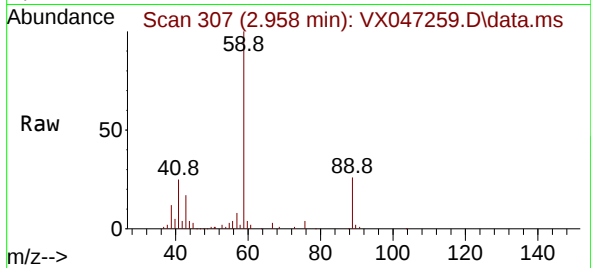




#11  
Tert butyl alcohol  
Concen: 163.673 ug/l  
RT: 2.958 min Scan# 307  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

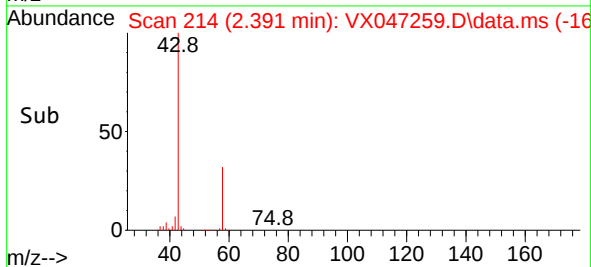
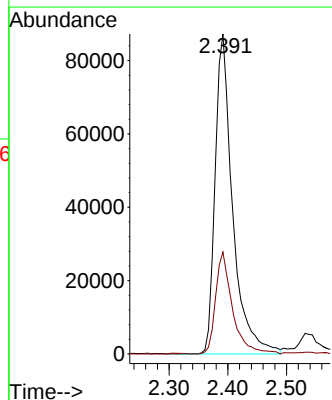
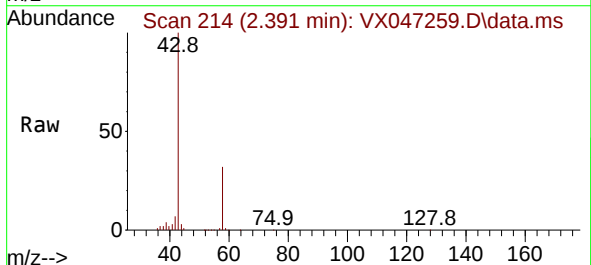
Instrument :  
MSVOA\_X  
ClientSampleId :  
250806078-01 VOADL

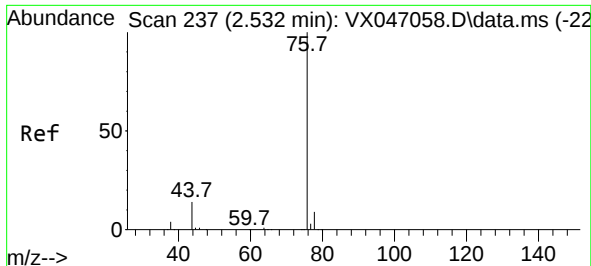
Tgt Ion: 59 Resp: 77279  
Ion Ratio Lower Upper  
59 100  
57 8.7 8.5 12.7



#16  
Acetone  
Concen: 113.979 ug/l  
RT: 2.391 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Tgt Ion: 43 Resp: 180504  
Ion Ratio Lower Upper  
43 100  
58 32.2 24.0 36.0





#17

Carbon Disulfide

Concen: 0.860 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047259.D

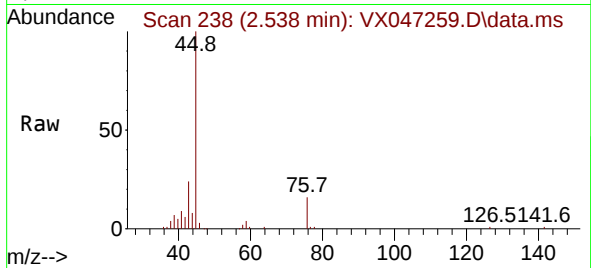
Acq: 07 Aug 2025 13:48

Instrument :

MSVOA\_X

ClientSampleId :

250806078-01 VOADL

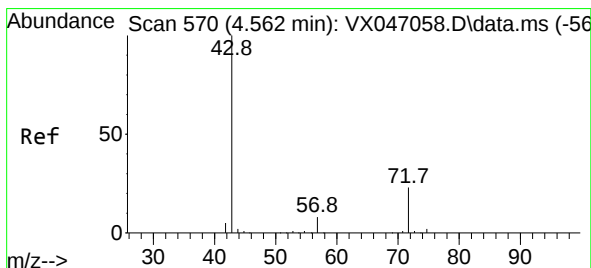
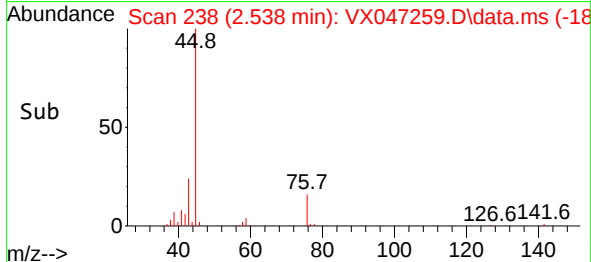
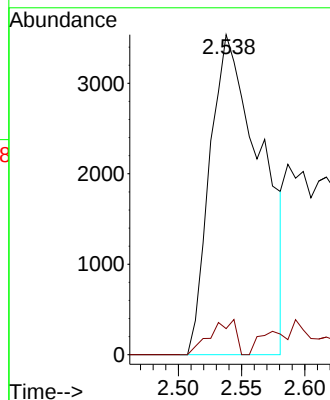


Tgt Ion: 76 Resp: 9926

Ion Ratio Lower Upper

76 100

78 7.9 7.0 10.4



#25

2-Butanone

Concen: 133.427 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX047259.D

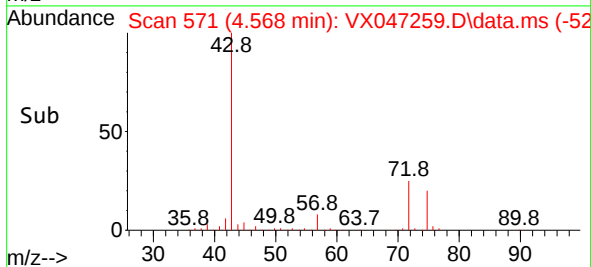
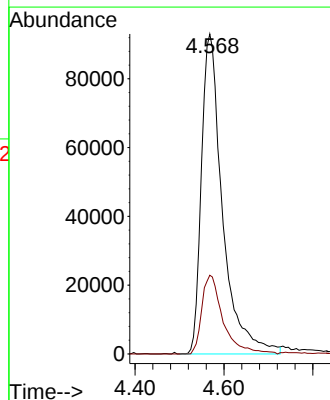
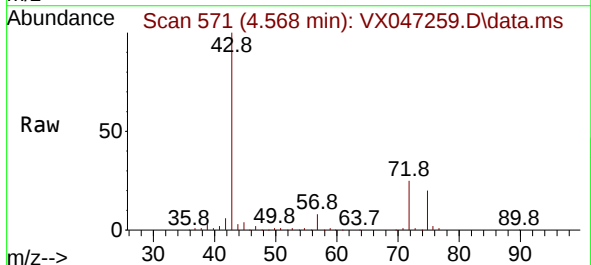
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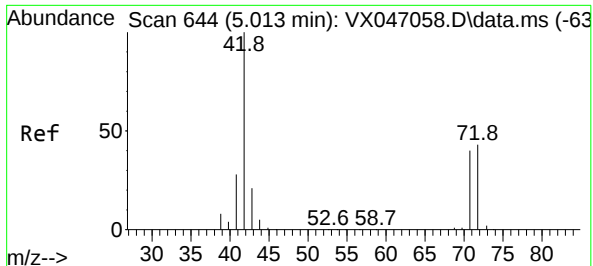
Tgt Ion: 43 Resp: 307676

Ion Ratio Lower Upper

43 100

72 24.7 18.8 28.2





#29

Tetrahydrofuran

Concen: 25.827 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX047259.D

Acq: 07 Aug 2025 13:48

Instrument :

MSVOA\_X

ClientSampleId :

250806078-01 VOADL

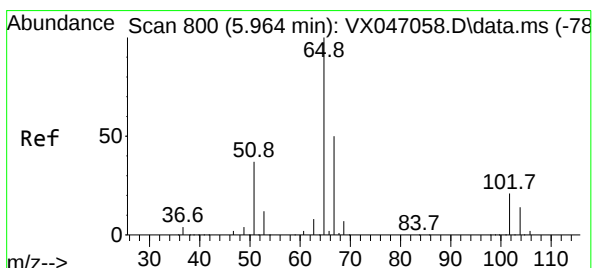
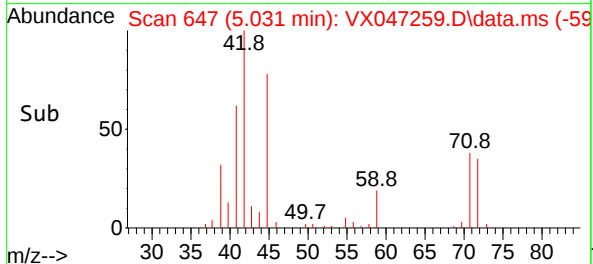
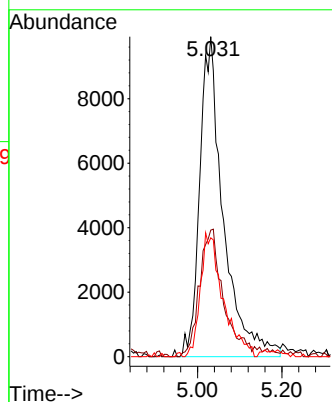
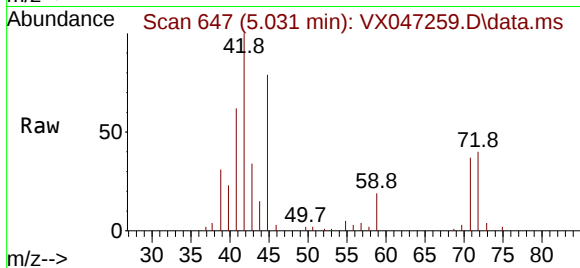
Tgt Ion: 42 Resp: 38426

Ion Ratio Lower Upper

42 100

72 41.6 33.7 50.5

71 37.0 31.0 46.4



#33

1,2-Dichloroethane-d4

Concen: 55.354 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047259.D

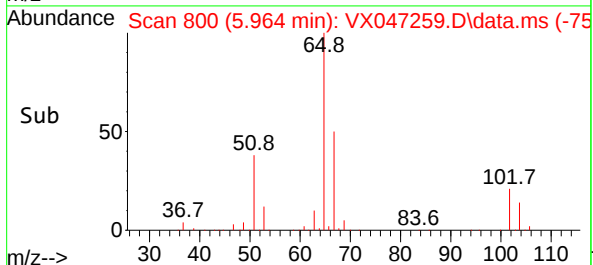
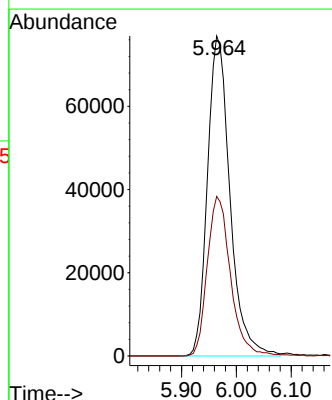
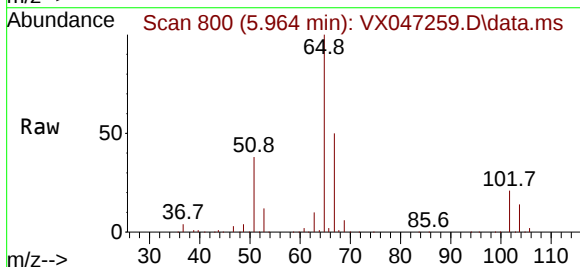
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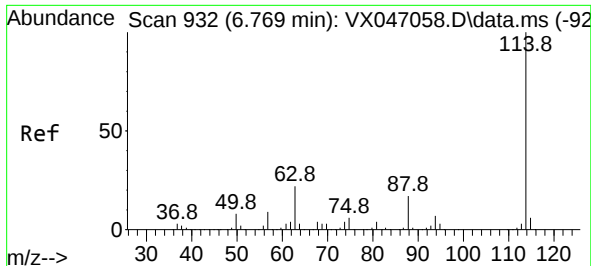
Tgt Ion: 65 Resp: 218824

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8

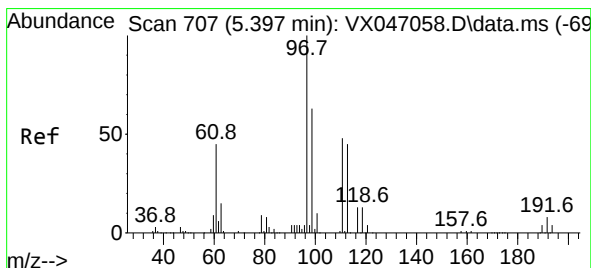
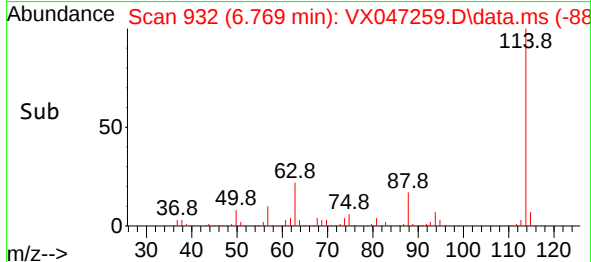
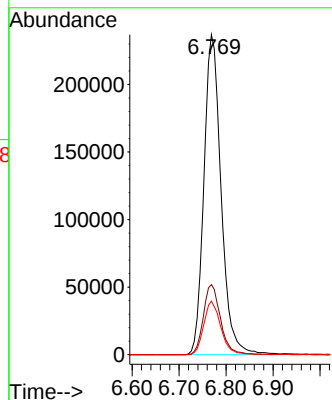
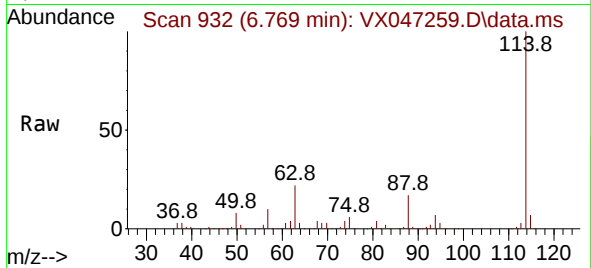




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

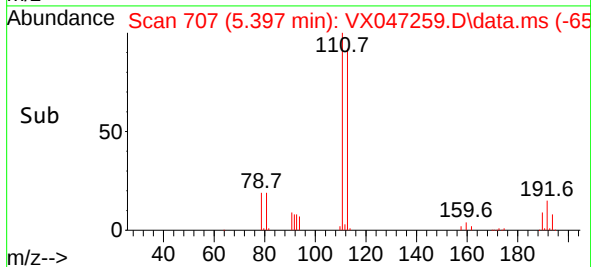
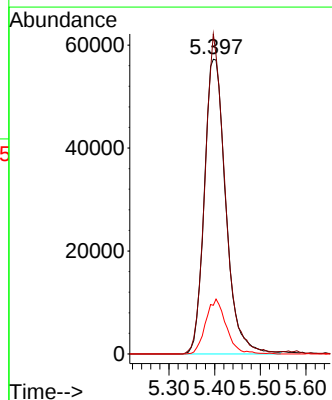
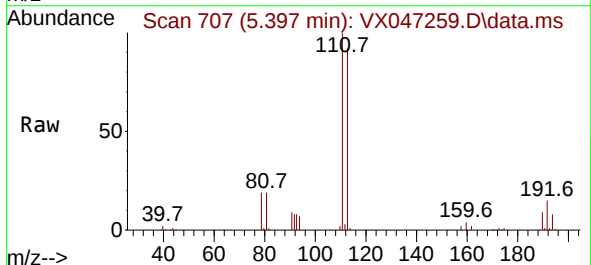
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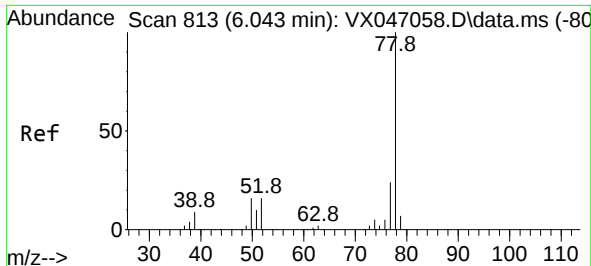
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Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 43.2  
88 16.8 0.0 33.8



#35  
Dibromofluoromethane  
Concen: 50.253 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Tgt Ion:113 Resp: 187111  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.6 124.0  
192 17.8 14.9 22.3

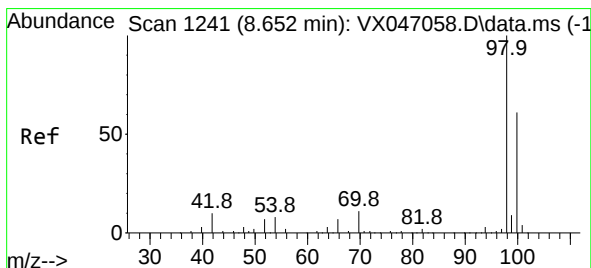
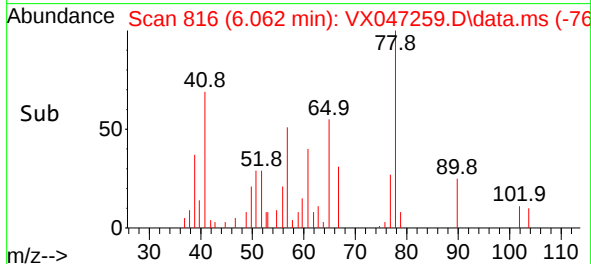
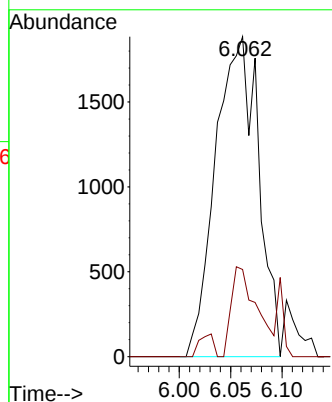
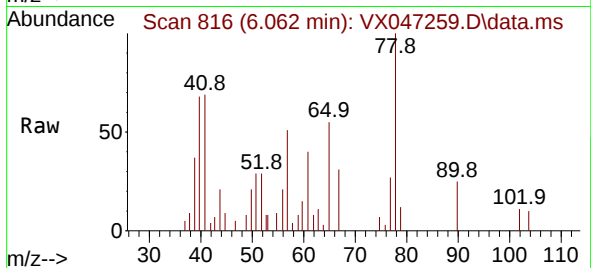




#40  
Benzene  
Concen: 0.297 ug/l  
RT: 6.062 min Scan# 813  
Delta R.T. 0.018 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

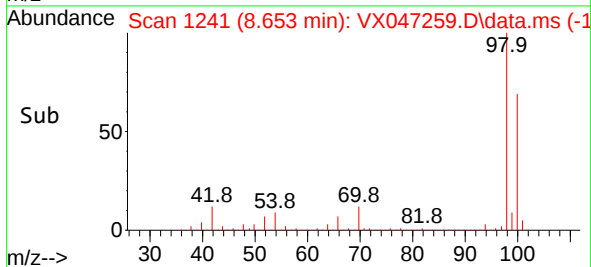
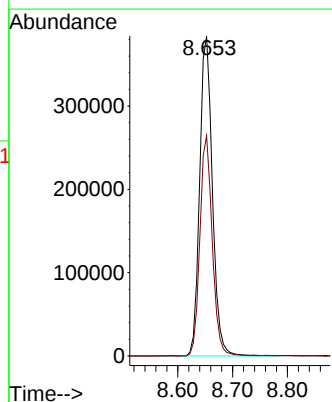
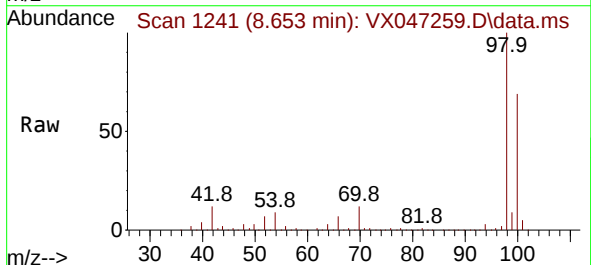
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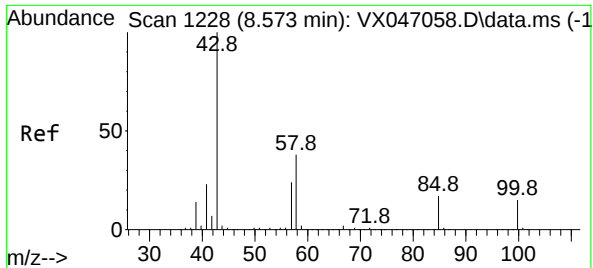
Tgt Ion: 78 Resp: 5456  
Ion Ratio Lower Upper  
78 100  
77 27.2 19.0 28.4



#50  
Toluene-d8  
Concen: 51.493 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Tgt Ion: 98 Resp: 620910  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.3 79.9

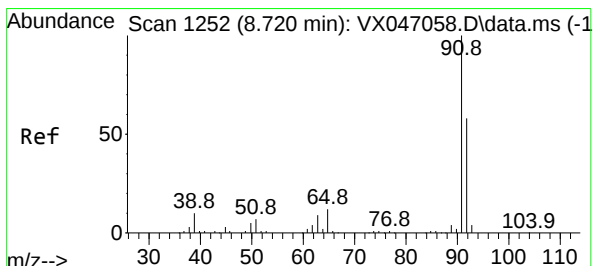
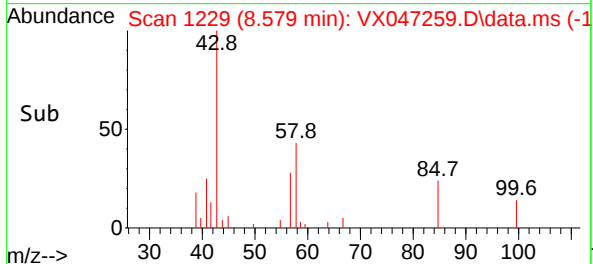
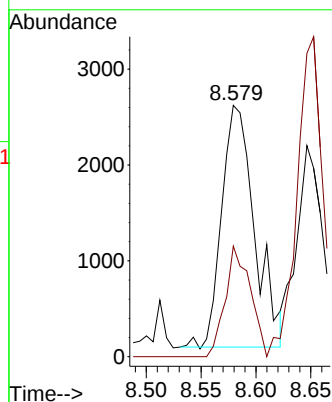
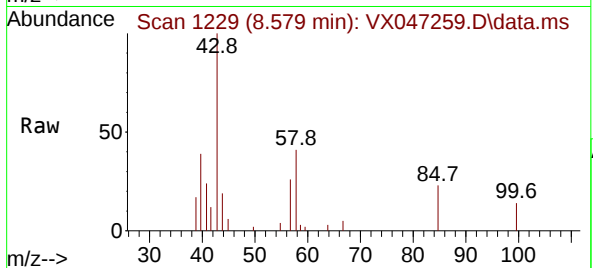




#51  
4-Methyl-2-Pentanone  
Concen: 0.974 ug/l  
RT: 8.579 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

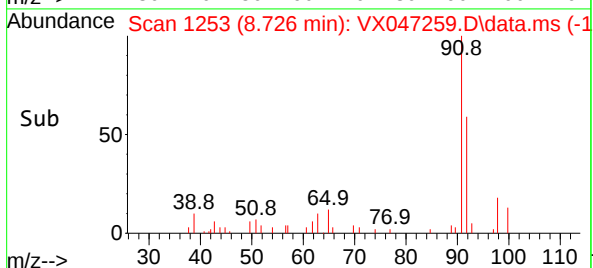
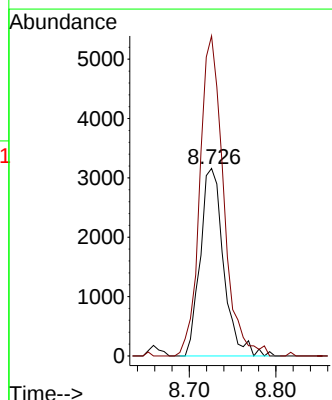
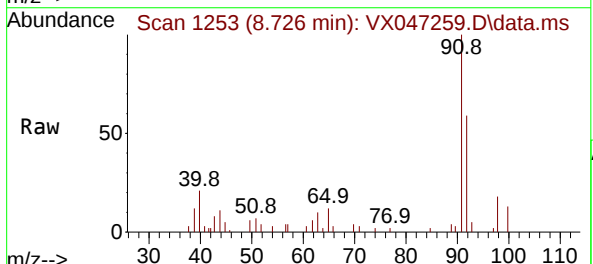
Instrument :  
MSVOA\_X  
ClientSampleId :  
250806078-01 VOADL

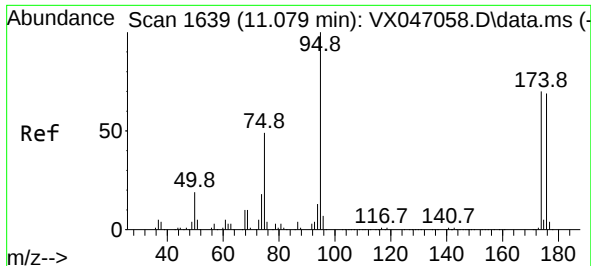
Tgt Ion: 43 Resp: 5278  
Ion Ratio Lower Upper  
43 100  
58 34.6 30.6 45.8



#52  
Toluene  
Concen: 0.524 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.006 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Tgt Ion: 92 Resp: 5917  
Ion Ratio Lower Upper  
92 100  
91 172.9 137.9 206.9

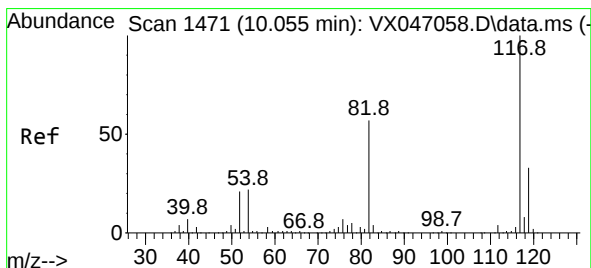
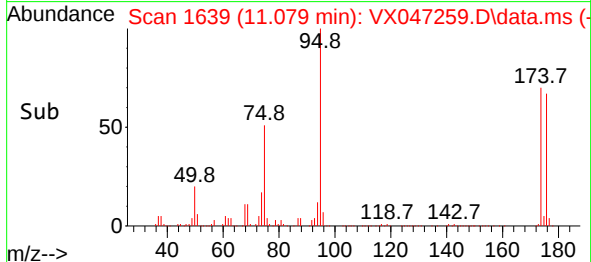
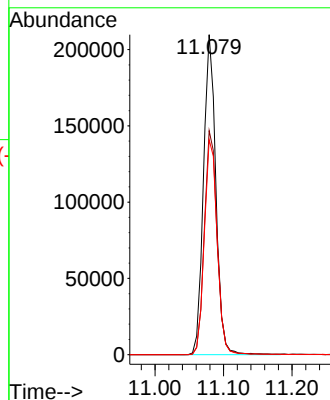
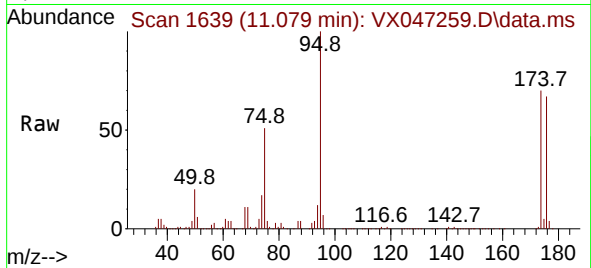




#62  
4-Bromofluorobenzene  
Concen: 50.769 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

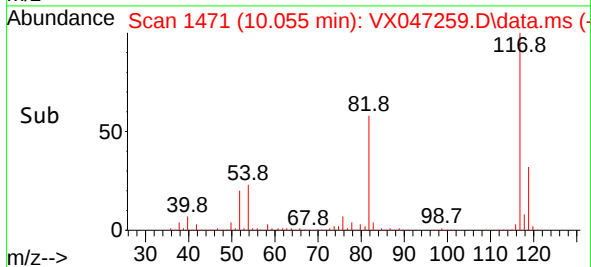
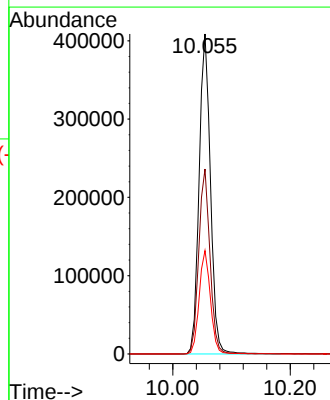
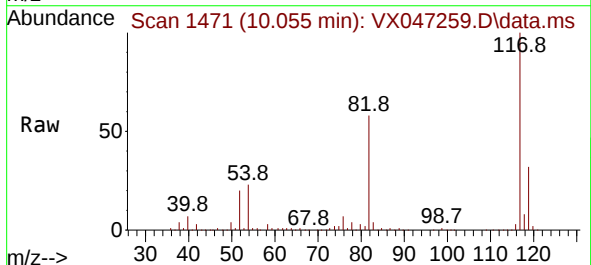
Instrument :  
MSVOA\_X  
ClientSampleId :  
250806078-01 VOADL

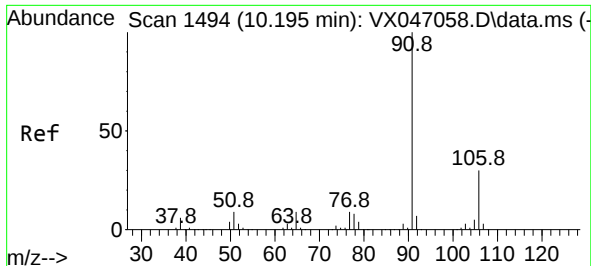
Tgt Ion: 95 Resp: 263814  
Ion Ratio Lower Upper  
95 100  
174 71.9 0.0 144.6  
176 70.0 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Tgt Ion: 117 Resp: 548202  
Ion Ratio Lower Upper  
117 100  
82 57.8 45.4 68.2  
119 32.3 26.1 39.1





#67

Ethyl Benzene

Concen: 0.647 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047259.D

Acq: 07 Aug 2025 13:48

Instrument :

MSVOA\_X

ClientSampleId :

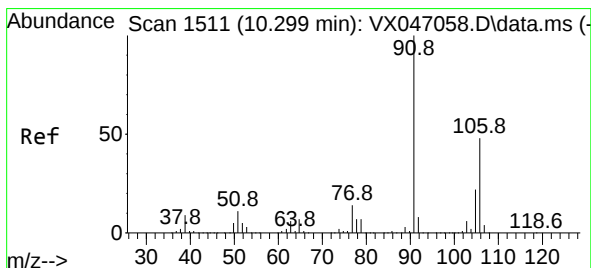
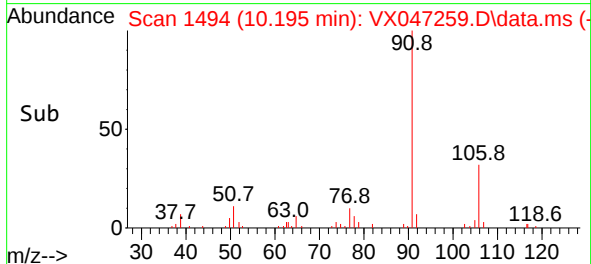
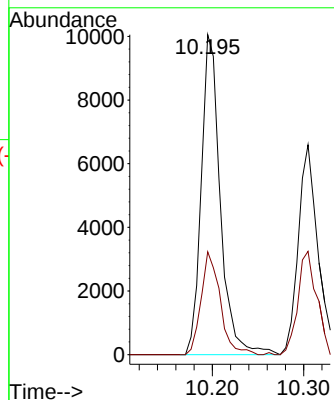
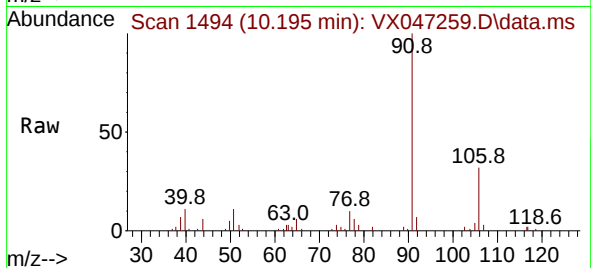
250806078-01 VOADL

Tgt Ion: 91 Resp: 14517

Ion Ratio Lower Upper

91 100

106 32.1 24.2 36.4



#68

m/p-Xylenes

Concen: 0.571 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX047259.D

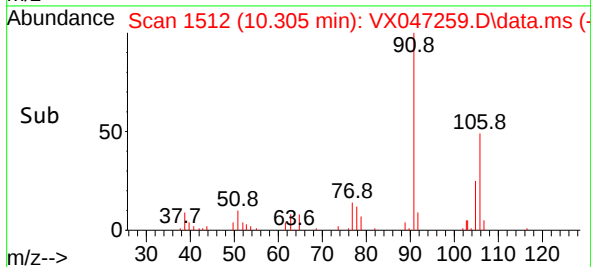
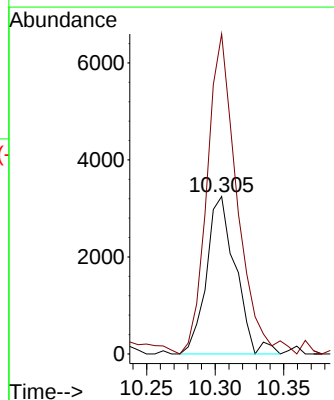
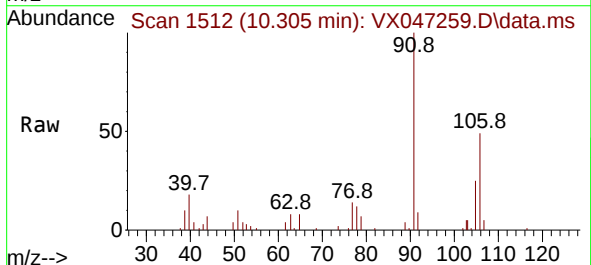
Acq: 07 Aug 2025 13:48

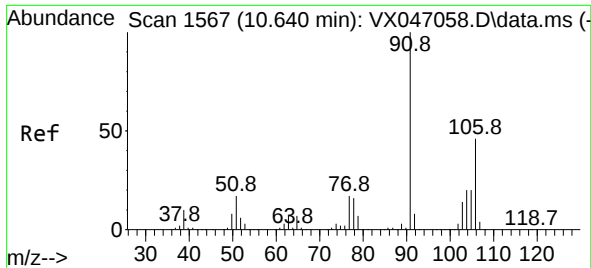
Tgt Ion: 106 Resp: 4795

Ion Ratio Lower Upper

106 100

91 208.7 167.4 251.0

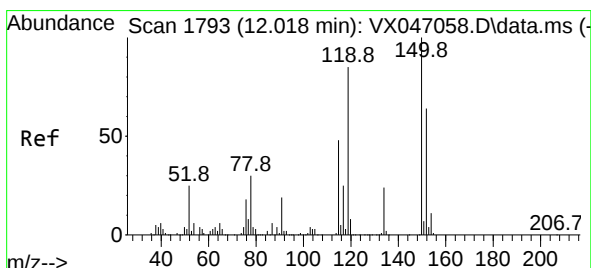
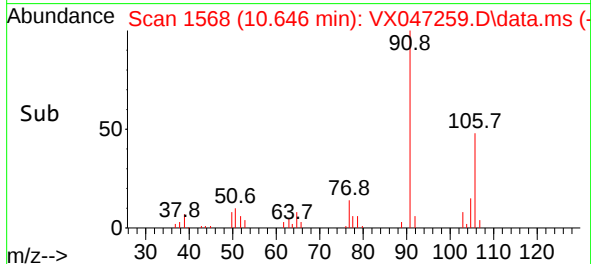
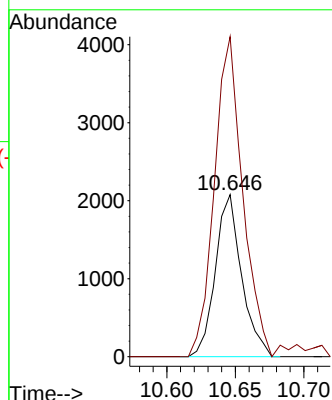
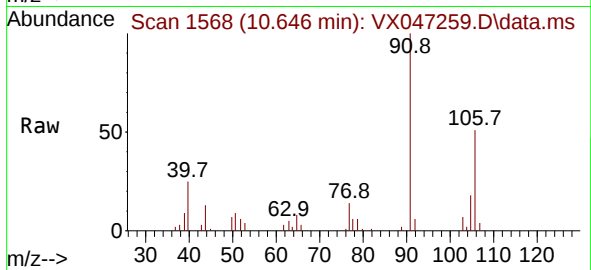




#69  
o-Xylene  
Concen: 0.346 ug/l  
RT: 10.646 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

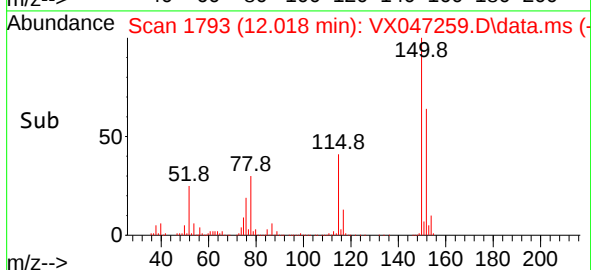
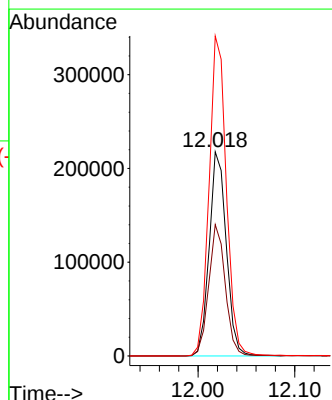
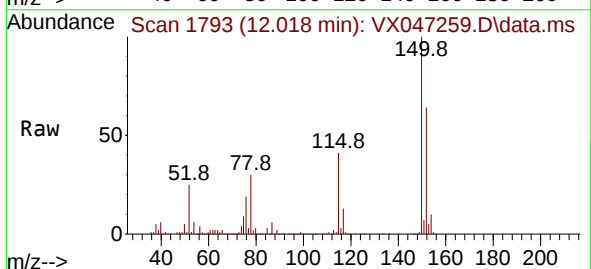
Instrument :  
MSVOA\_X  
ClientSampleId :  
250806078-01 VOADL

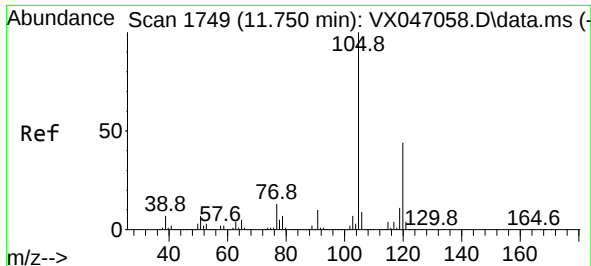
Tgt Ion:106 Resp: 2765  
Ion Ratio Lower Upper  
106 100  
91 216.1 110.3 331.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Tgt Ion:152 Resp: 268161  
Ion Ratio Lower Upper  
152 100  
115 62.8 45.6 136.7  
150 158.3 0.0 354.6

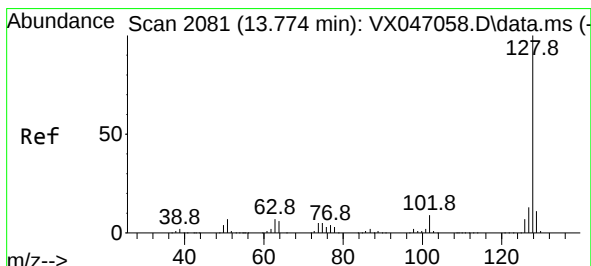
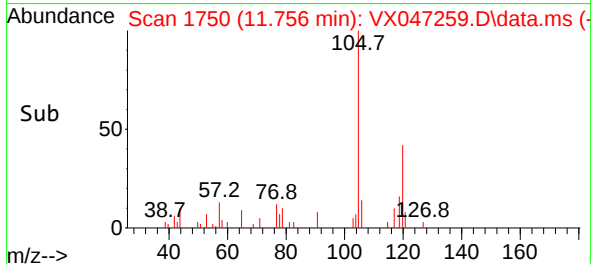
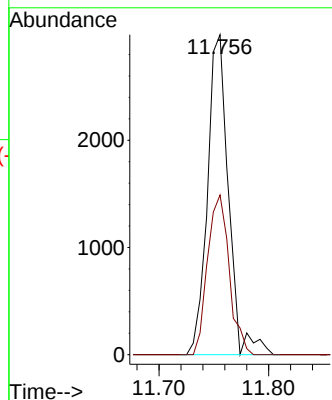
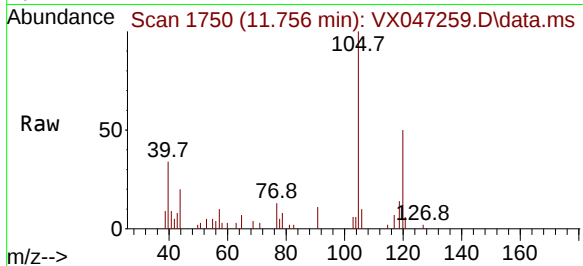




#84  
1,2,4-Trimethylbenzene  
Concen: 0.228 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
250806078-01 VOADL

Tgt Ion:105 Resp: 3970  
Ion Ratio Lower Upper  
105 100  
120 51.4 22.0 66.0



#95  
Naphthalene  
Concen: 1.527 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX047259.D  
Acq: 07 Aug 2025 13:48

Tgt Ion:128 Resp: 27252  
Ion Ratio Lower Upper  
128 100  
127 12.0 10.1 15.1  
129 10.6 8.6 13.0

