

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082025\  
 Data File : VX047452.D  
 Acq On : 20 Aug 2025 18:40  
 Operator : JC/MD  
 Sample : Q2878-05 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-11A-37.5-081425

Quant Time: Aug 21 01:38:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

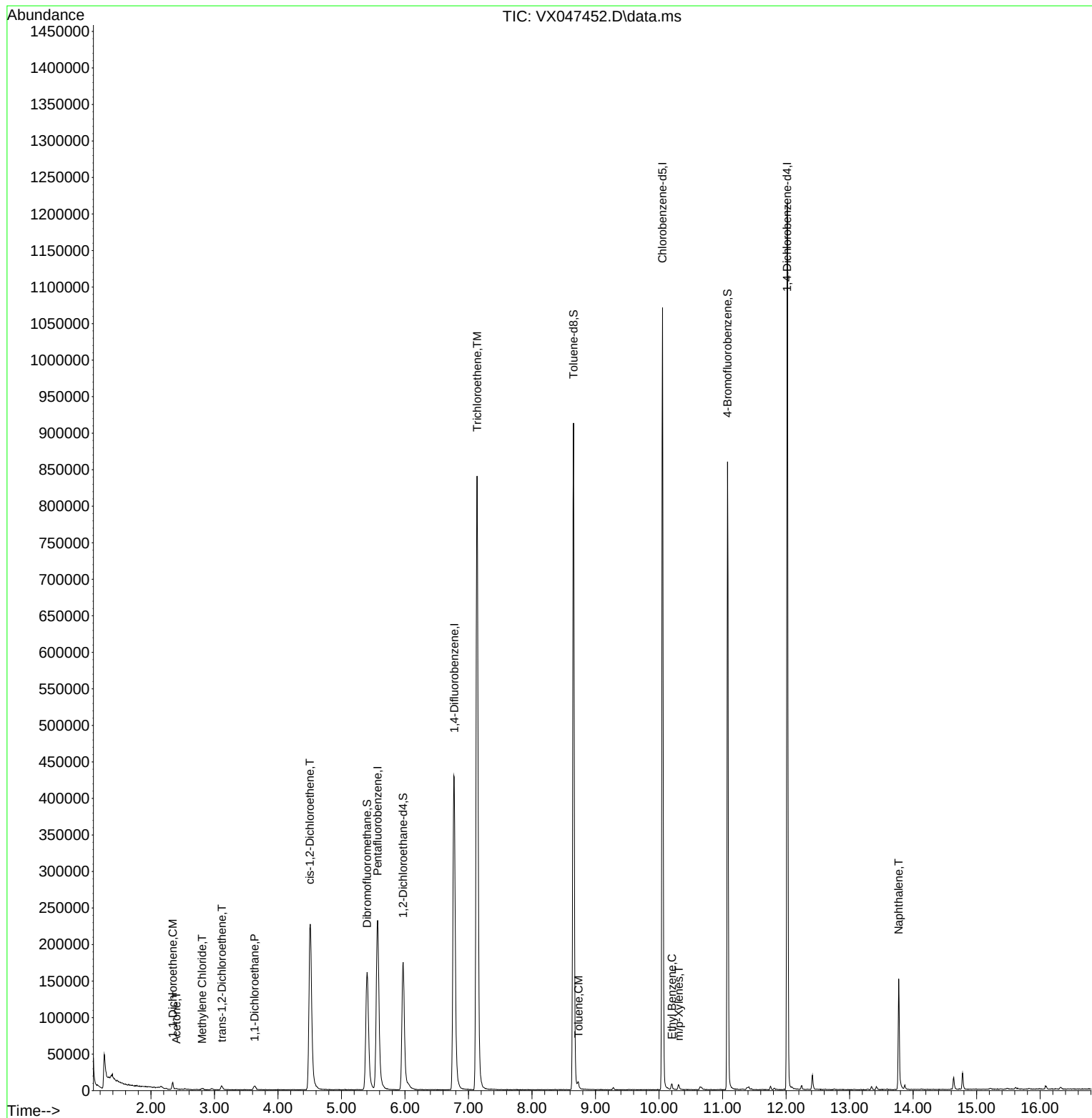
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|------------------------------|--------|-------|----------|----------|------------|-------------|
| -----                        |        |       |          |          |            |             |
| Internal Standards           |        |       |          |          |            |             |
| 1) Pentafluorobenzene        | 5.568  | 168   | 233413   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene      | 6.775  | 114   | 475099   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 465473   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 242657   | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds  |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4    | 5.970  | 65    | 184033   | 56.336   | ug/l       | 0.00        |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 112.680% |             |
| 35) Dibromofluoromethane     | 5.403  | 113   | 155611   | 50.467   | ug/l       | 0.00        |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 100.940% |             |
| 50) Toluene-d8               | 8.653  | 98    | 544870   | 49.439   | ug/l       | 0.00        |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 98.880%  |             |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 231003   | 56.800   | ug/l       | 0.00        |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 113.600% |             |
| Target Compounds             |        |       |          |          |            |             |
| 12) 1,1-Dichloroethene       | 2.343  | 96    | 3613     | 1.229    | ug/l       | Qvalue # 90 |
| 16) Acetone                  | 2.398  | 43    | 1834     | 1.494    | ug/l       | 92          |
| 20) Methylene Chloride       | 2.806  | 84    | 922      | 0.284    | ug/l       | 89          |
| 21) trans-1,2-Dichloroethene | 3.117  | 96    | 2574     | 0.825    | ug/l       | 96          |
| 24) 1,1-Dichloroethane       | 3.629  | 63    | 7002     | 1.228    | ug/l       | # 93        |
| 27) cis-1,2-Dichloroethene   | 4.501  | 96    | 163315   | 44.953   | ug/l       | 89          |
| 44) Trichloroethene          | 7.135  | 130   | 343338   | 92.036   | ug/l       | 96          |
| 52) Toluene                  | 8.732  | 92    | 3358     | 0.373    | ug/l       | 84          |
| 67) Ethyl Benzene            | 10.201 | 91    | 5646     | 0.297    | ug/l       | # 85        |
| 68) m/p-Xylenes              | 10.311 | 106   | 2227     | 0.314    | ug/l       | 87          |
| 95) Naphthalene              | 13.774 | 128   | 103253   | 6.410    | ug/l       | 99          |
| -----                        |        |       |          |          |            |             |

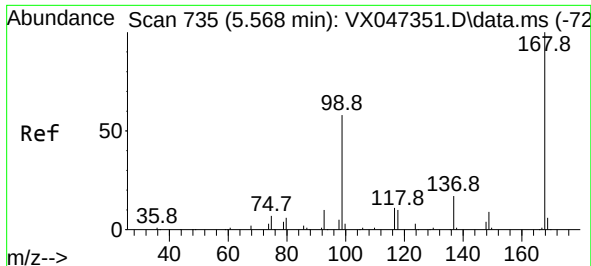
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-37.5-081425

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration

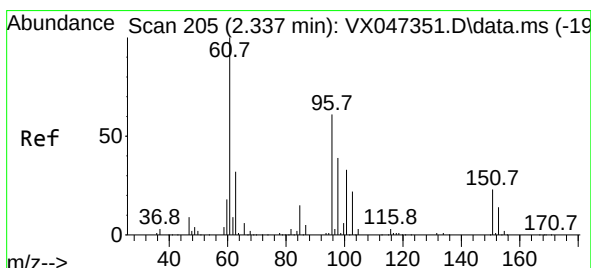
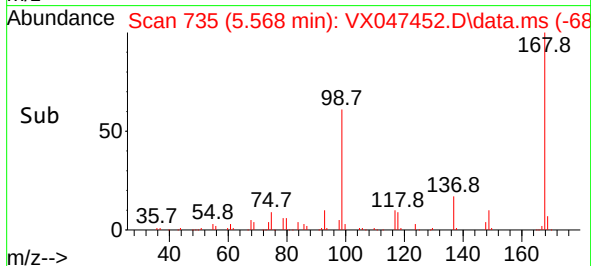
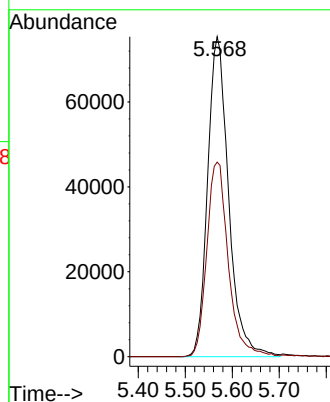
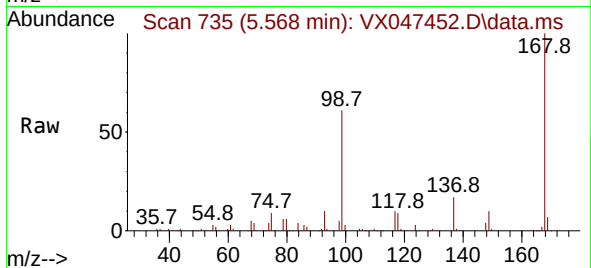




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.568 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

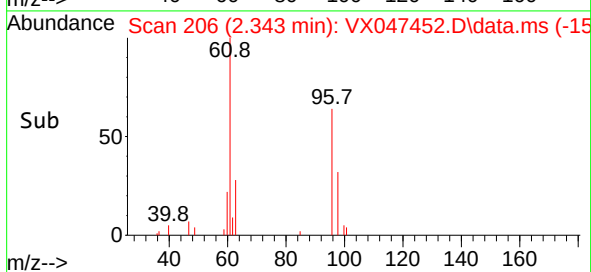
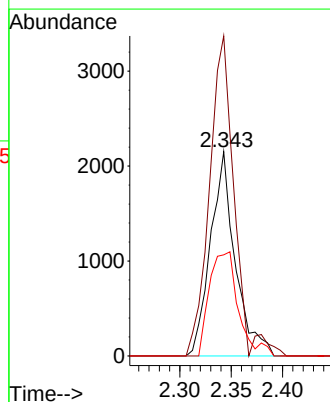
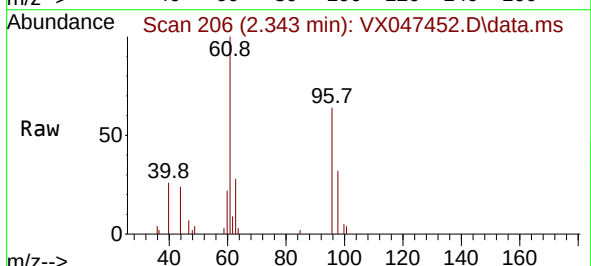
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-37.5-081425

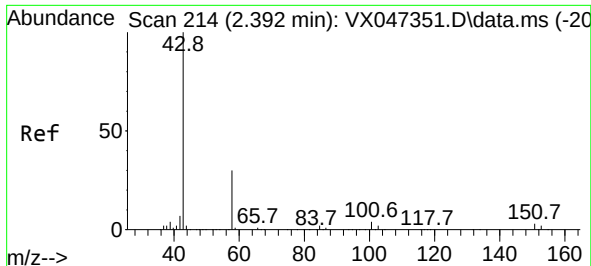
Tgt Ion:168 Resp: 233413  
Ion Ratio Lower Upper  
168 100  
99 60.8 47.9 71.9



#12  
1,1-Dichloroethene  
Concen: 1.229 ug/l  
RT: 2.343 min Scan# 206  
Delta R.T. 0.006 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

Tgt Ion: 96 Resp: 3613  
Ion Ratio Lower Upper  
96 100  
61 156.6 132.2 198.2  
98 49.5 51.2 76.8#





#16

Acetone

Concen: 1.494 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA\_X

ClientSampleId :

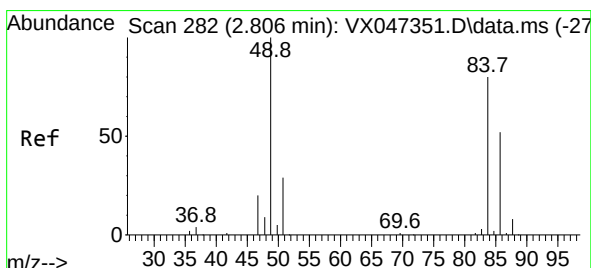
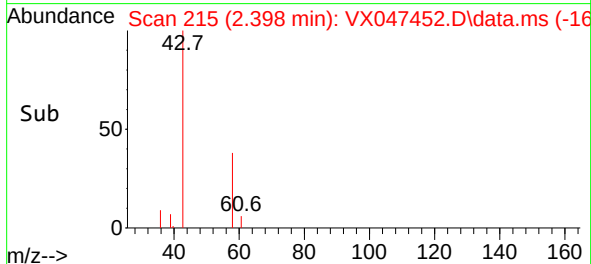
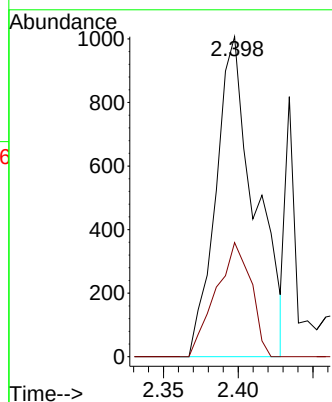
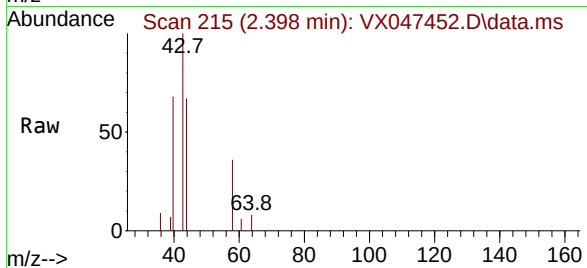
MW-11A-37.5-081425

Tgt Ion: 43 Resp: 1834

Ion Ratio Lower Upper

43 100

58 35.7 24.8 37.2



#20

Methylene Chloride

Concen: 0.284 ug/l

RT: 2.806 min Scan# 282

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Tgt Ion: 84 Resp: 922

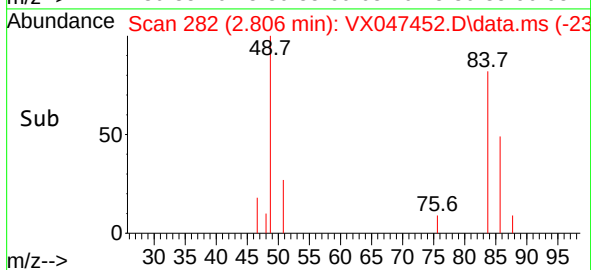
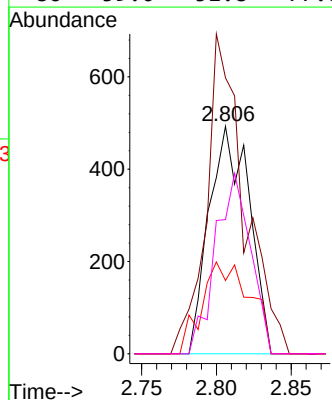
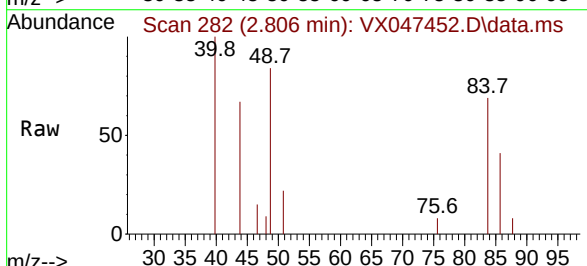
Ion Ratio Lower Upper

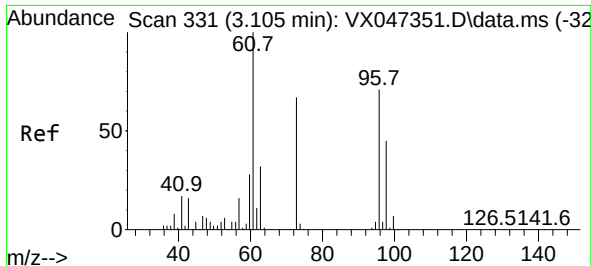
84 100

49 110.3 100.1 150.1

51 32.3 29.5 44.3

86 59.0 51.8 77.8

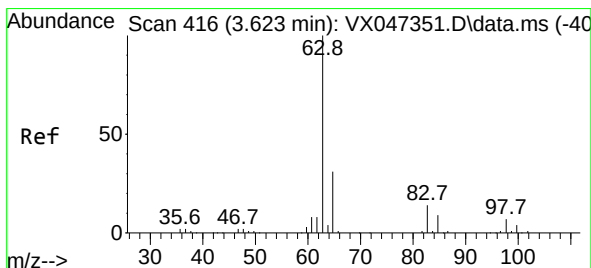
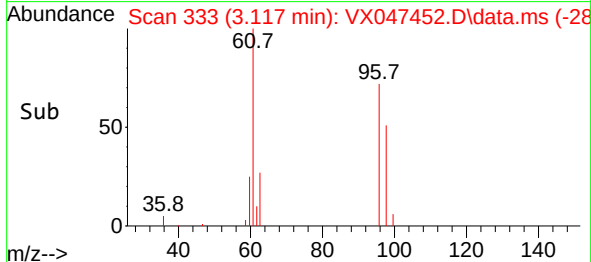
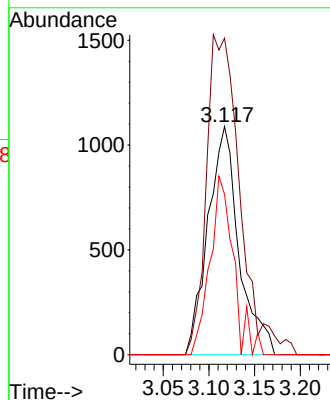
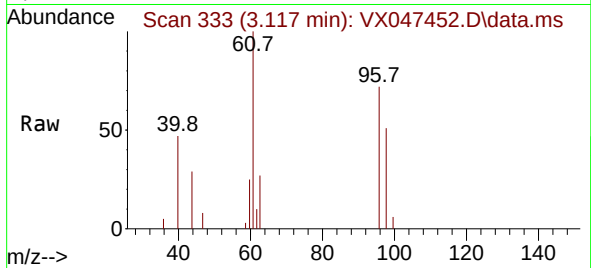




#21  
trans-1,2-Dichloroethene  
Concen: 0.825 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.012 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

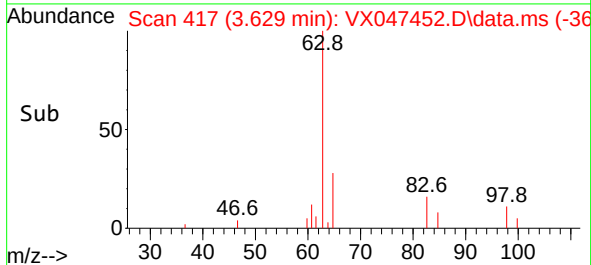
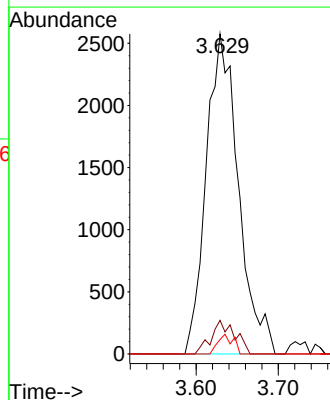
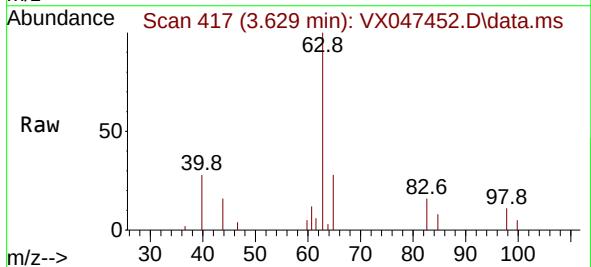
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-37.5-081425

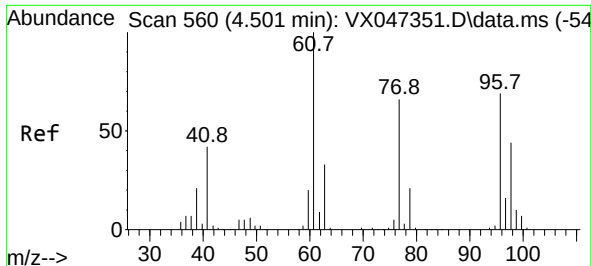
Tgt Ion: 96 Resp: 2574  
Ion Ratio Lower Upper  
96 100  
61 138.7 112.6 169.0  
98 70.3 50.9 76.3



#24  
1,1-Dichloroethane  
Concen: 1.228 ug/l  
RT: 3.629 min Scan# 417  
Delta R.T. 0.006 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

Tgt Ion: 63 Resp: 7002  
Ion Ratio Lower Upper  
63 100  
98 10.5 3.3 9.9#  
100 4.5 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 44.953 ug/l

RT: 4.501 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-37.5-081425

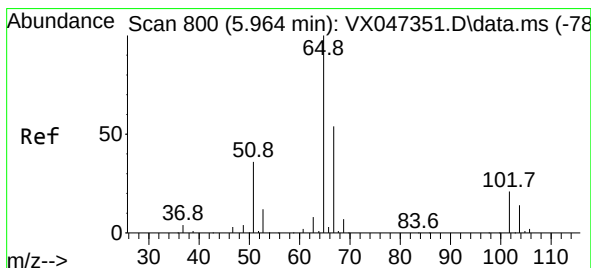
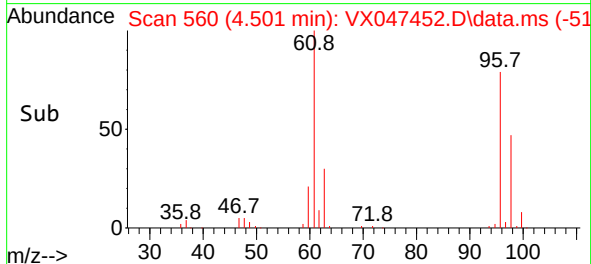
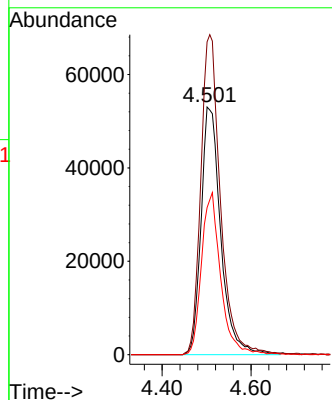
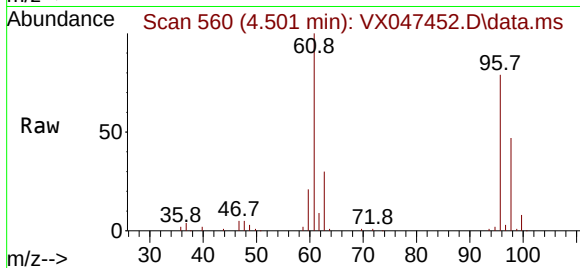
Tgt Ion: 96 Resp: 163315

Ion Ratio Lower Upper

96 100

61 129.4 0.0 296.6

98 63.6 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 56.336 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047452.D

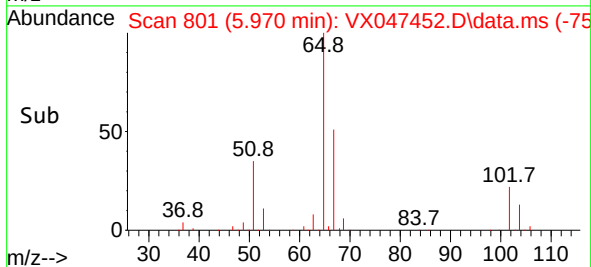
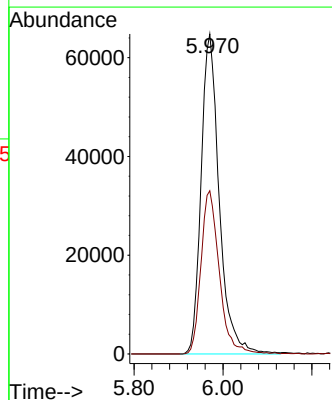
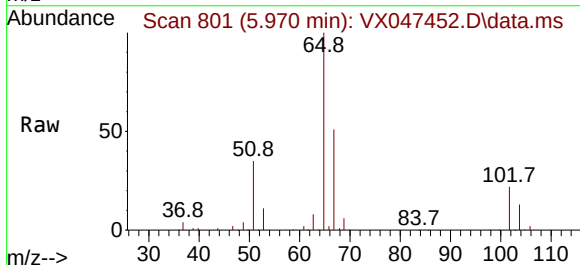
Acq: 20 Aug 2025 18:40

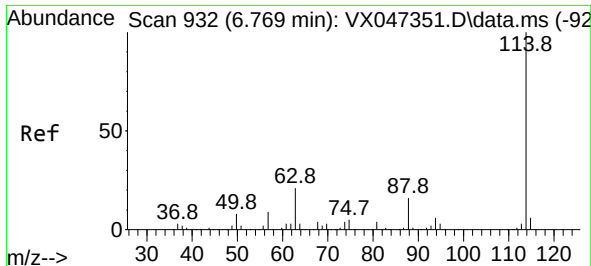
Tgt Ion: 65 Resp: 184033

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.0

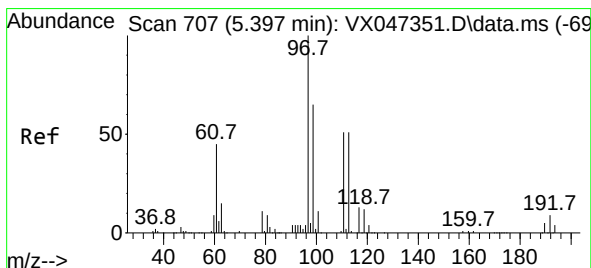
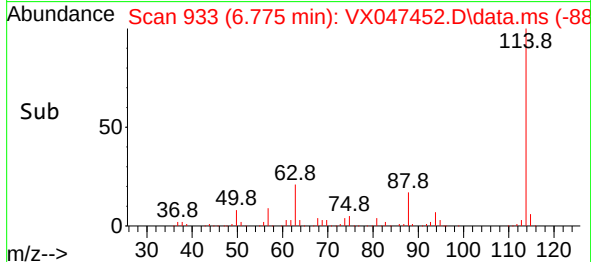
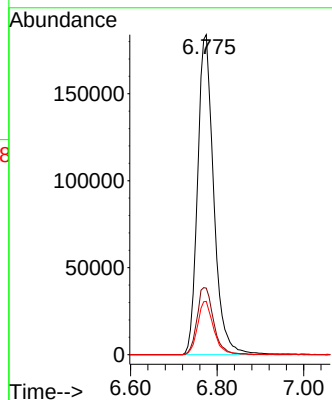
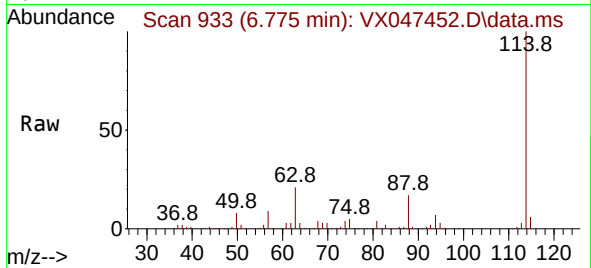




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.775 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

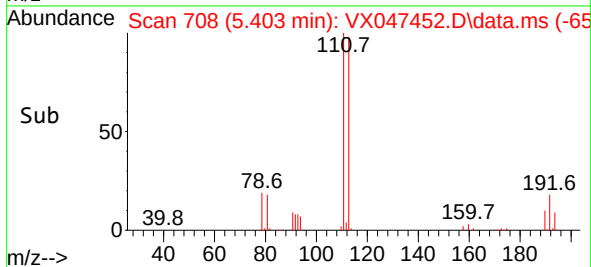
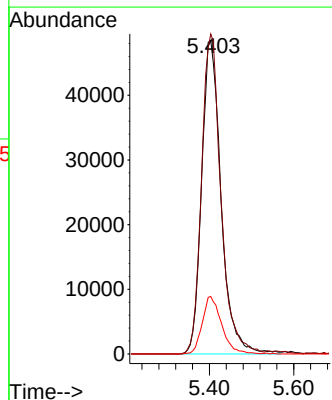
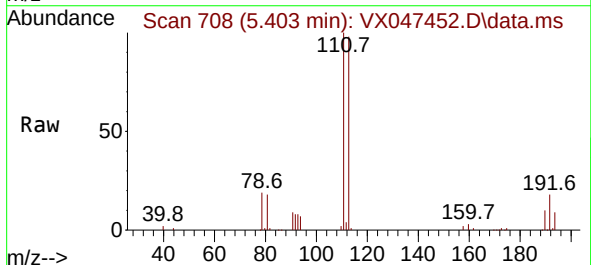
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-37.5-081425

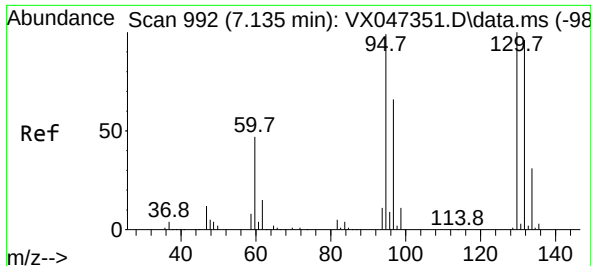
Tgt Ion:114 Resp: 475099  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 42.4  
88 16.7 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 50.467 ug/l  
RT: 5.403 min Scan# 708  
Delta R.T. 0.006 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

Tgt Ion:113 Resp: 155611  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.4 122.2  
192 18.2 14.1 21.1

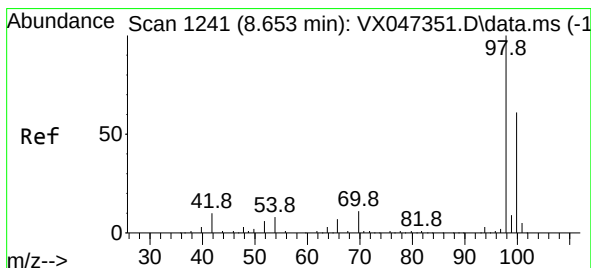
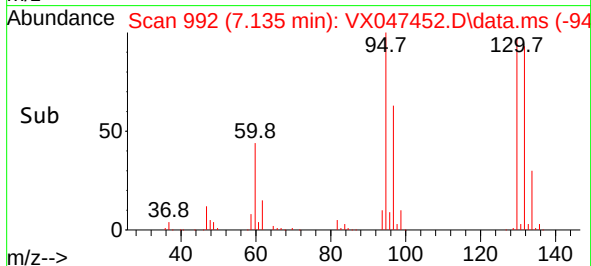
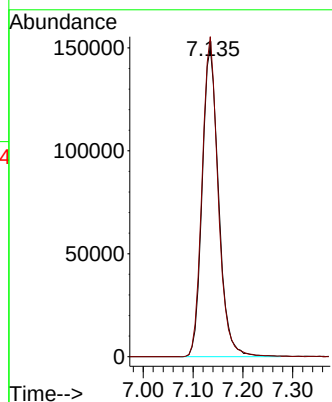
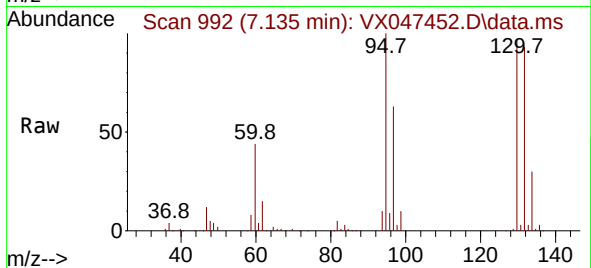




#44  
Trichloroethene  
Concen: 92.036 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

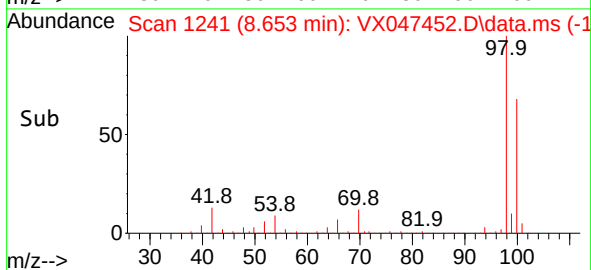
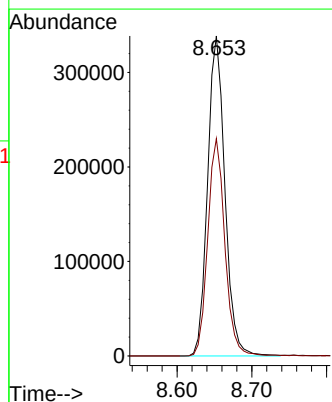
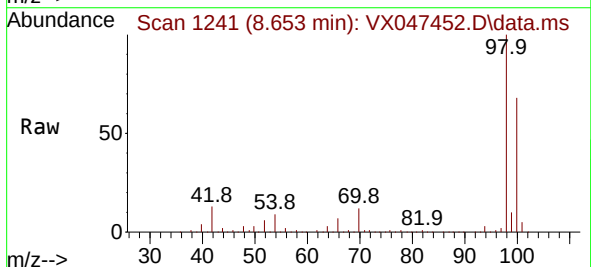
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-37.5-081425

Tgt Ion:130 Resp: 343338  
Ion Ratio Lower Upper  
130 100  
95 103.4 0.0 198.6

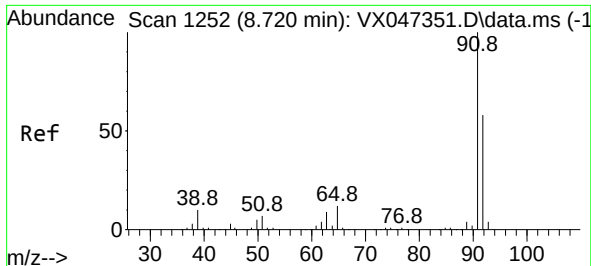


#50  
Toluene-d8  
Concen: 49.439 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

Tgt Ion: 98 Resp: 544870  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.9 80.9



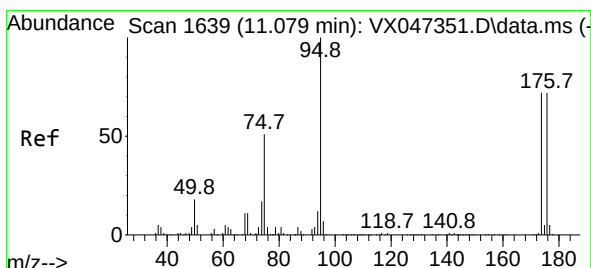
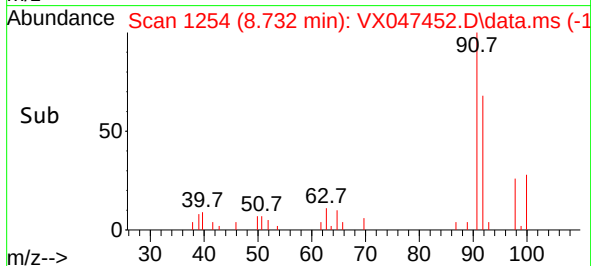
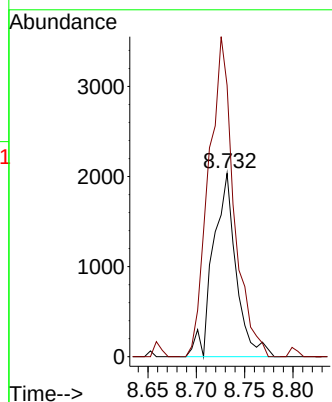
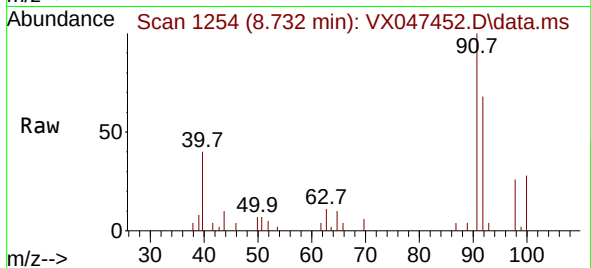




#52  
Toluene  
Concen: 0.373 ug/l  
RT: 8.732 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

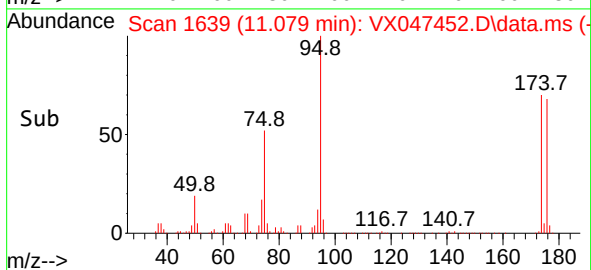
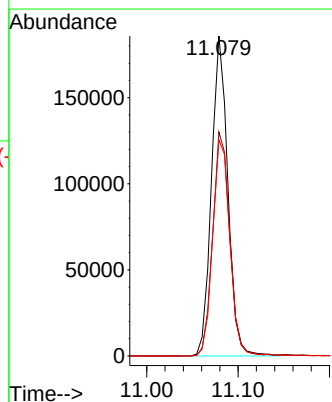
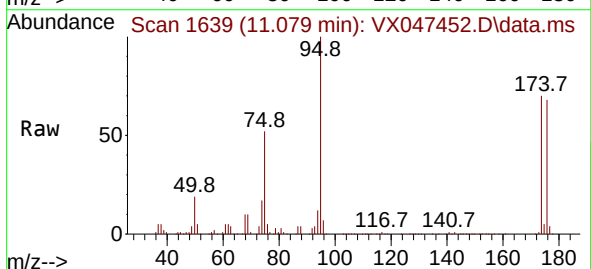
Instrument :  
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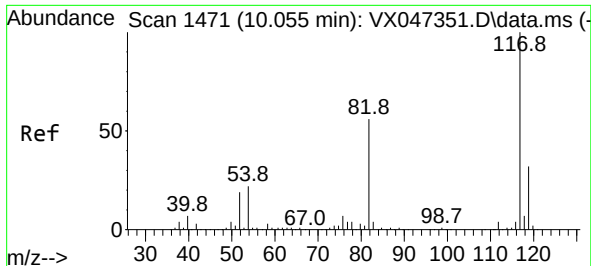
Tgt Ion: 92 Resp: 3358  
Ion Ratio Lower Upper  
92 100  
91 191.8 136.3 204.5



#62  
4-Bromofluorobenzene  
Concen: 56.800 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

Tgt Ion: 95 Resp: 231003  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 148.0  
176 71.1 0.0 145.4

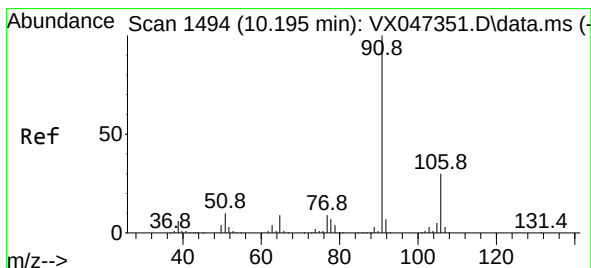
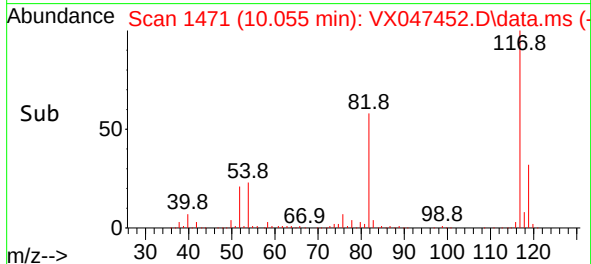
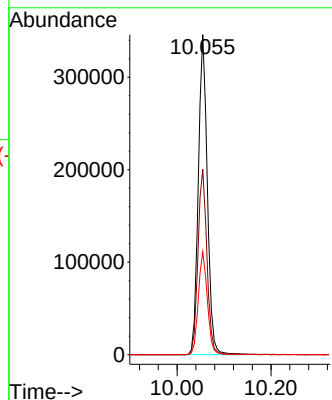
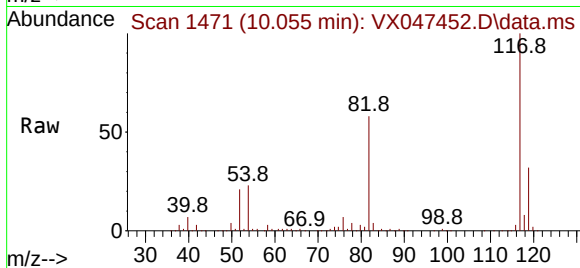




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

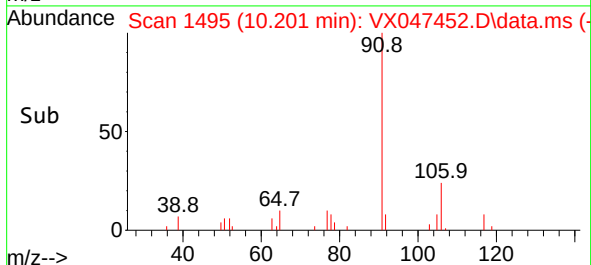
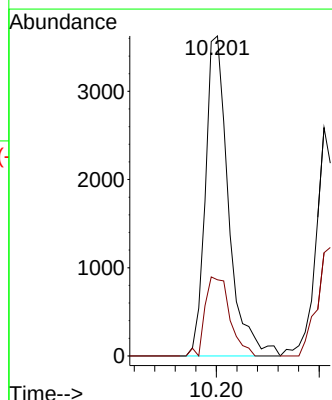
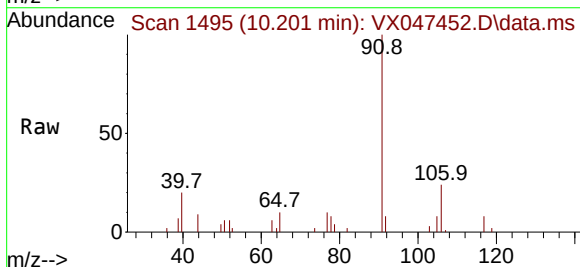
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-37.5-081425

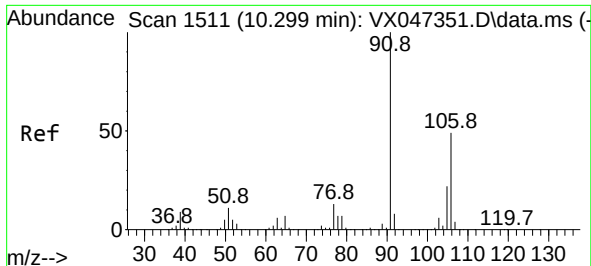
Tgt Ion:117 Resp: 465473  
Ion Ratio Lower Upper  
117 100  
82 57.9 45.0 67.4  
119 32.1 25.8 38.8



#67  
Ethyl Benzene  
Concen: 0.297 ug/l  
RT: 10.201 min Scan# 1495  
Delta R.T. 0.006 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

Tgt Ion: 91 Resp: 5646  
Ion Ratio Lower Upper  
91 100  
106 22.1 24.4 36.6#

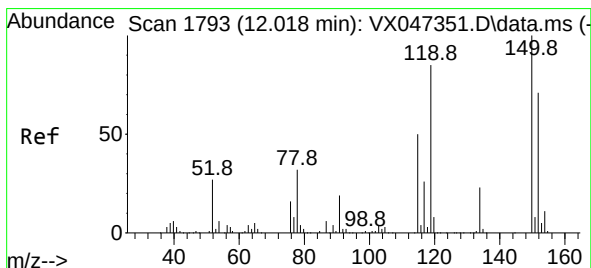
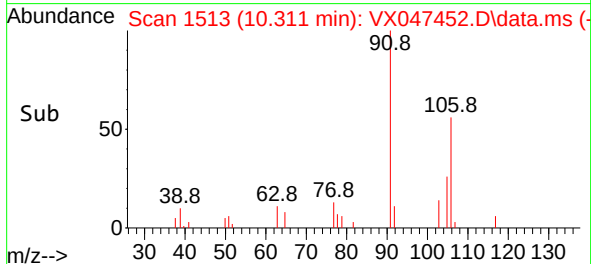
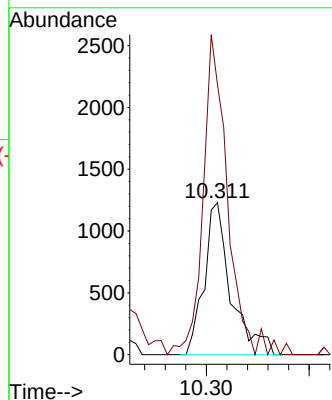
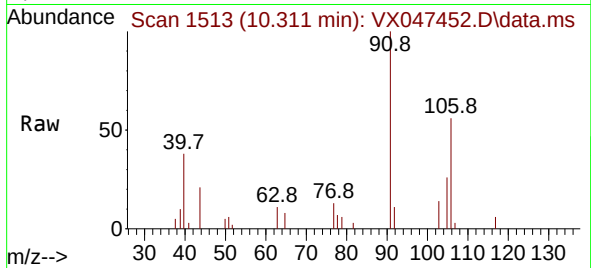




#68  
m/p-Xylenes  
Concen: 0.314 ug/l  
RT: 10.311 min Scan# 1511  
Delta R.T. 0.012 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

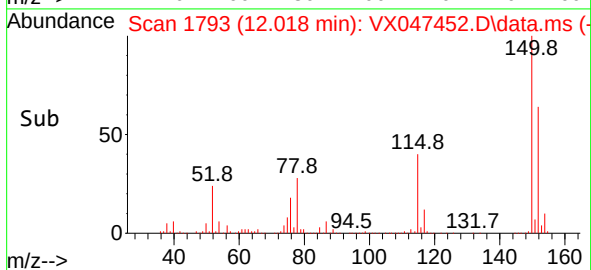
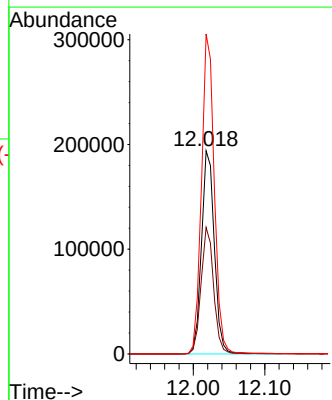
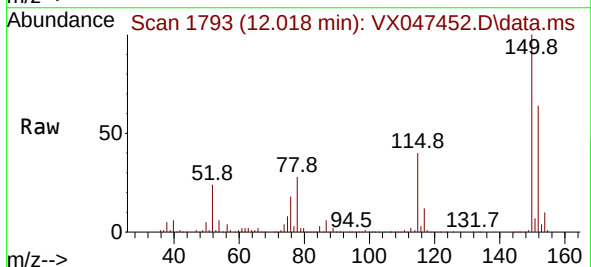
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11A-37.5-081425

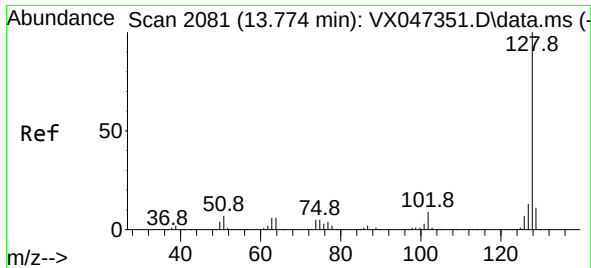
Tgt Ion:106 Resp: 2227  
Ion Ratio Lower Upper  
106 100  
91 185.1 164.7 247.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX047452.D  
Acq: 20 Aug 2025 18:40

Tgt Ion:152 Resp: 242657  
Ion Ratio Lower Upper  
152 100  
115 60.9 44.6 133.8  
150 157.1 0.0 349.8





#95

Naphthalene

Concen: 6.410 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX047452.D

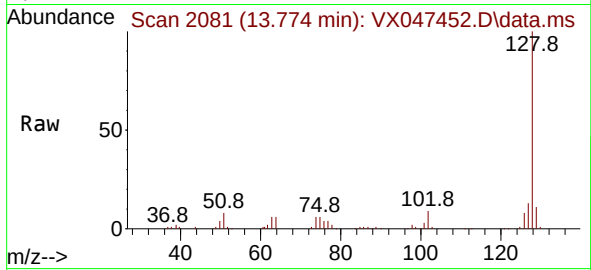
Acq: 20 Aug 2025 18:40

Instrument :

MSVOA\_X

ClientSampleId :

MW-11A-37.5-081425



Tgt Ion:128 Resp: 103253

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 10.2 8.7 13.1

