

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048462.D
 Acq On : 03 Nov 2025 17:03
 Operator : JC/MD
 Sample : Q3500-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 10-17-25-WATER

Quant Time: Nov 04 00:16:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

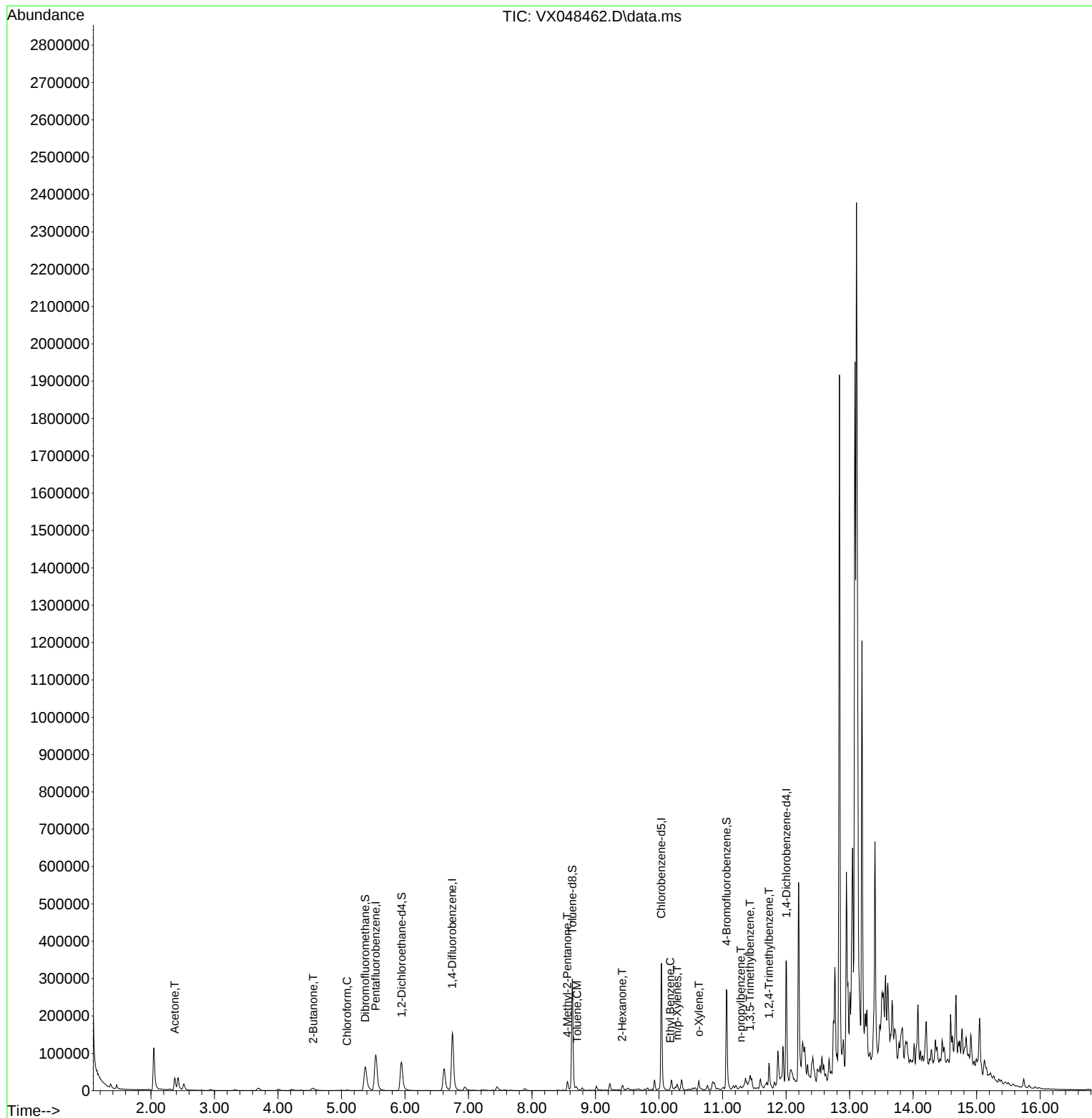
Internal Standards						
1) Pentafluorobenzene	5.538	168	93421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	174899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	150278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	67006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82953	61.742	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 123.480%#	
35) Dibromofluoromethane	5.373	113	61383	61.557	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 123.120%	
50) Toluene-d8	8.635	98	187335	42.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 85.120%#	
62) 4-Bromofluorobenzene	11.061	95	75577	45.899	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.800%	
Target Compounds						
					Qvalue	
16) Acetone	2.373	43	41810	137.305	ug/l	99
25) 2-Butanone	4.556	43	10246	21.063	ug/l	93
30) Chloroform	5.086	83	1337	0.608	ug/l	86
51) 4-Methyl-2-Pentanone	8.555	43	16123	12.299	ug/l	98
52) Toluene	8.708	92	1350	0.422	ug/l	84
59) 2-Hexanone	9.421	43	6124	7.180	ug/l	91
67) Ethyl Benzene	10.177	91	2869	0.492	ug/l	98
68) m/p-Xylenes	10.287	106	3346	1.516	ug/l	98
69) o-Xylene	10.628	106	4680	2.219	ug/l	91
78) n-propylbenzene	11.287	91	2290	0.391	ug/l	95
80) 1,3,5-Trimethylbenzene	11.433	105	8681	2.137	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	14121	3.510	ug/l	98

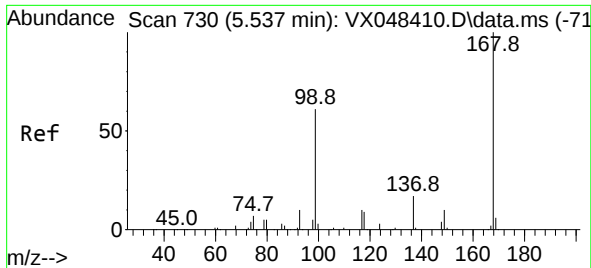
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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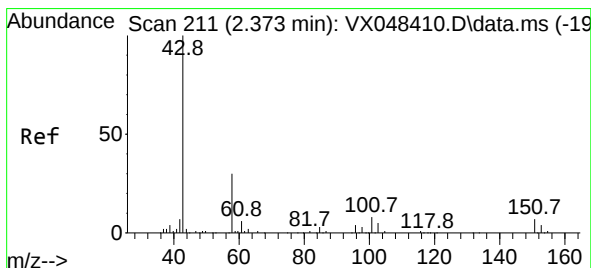
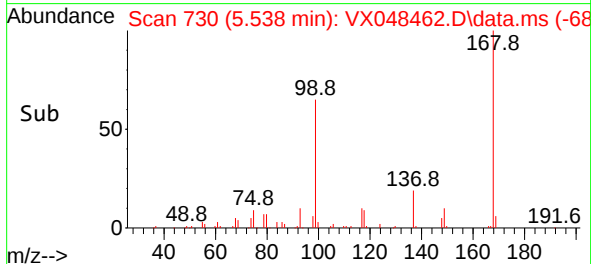
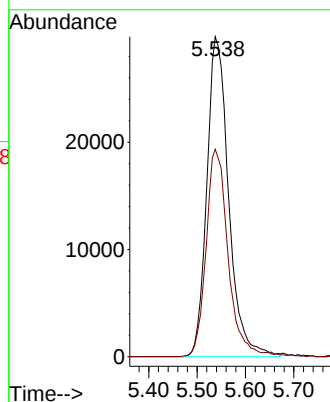
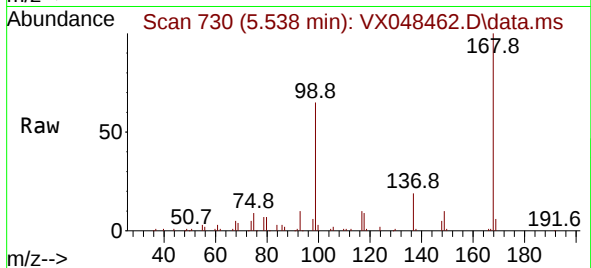




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX048462.D
Acq: 03 Nov 2025 17:03

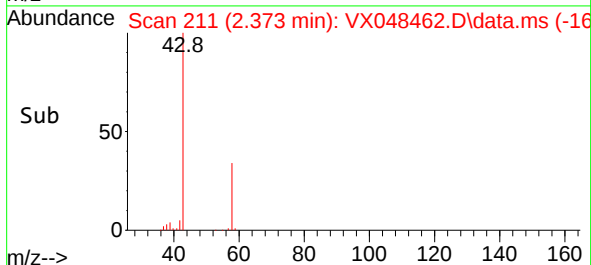
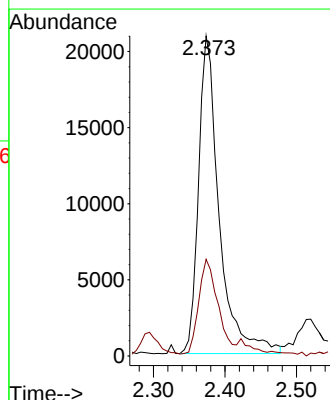
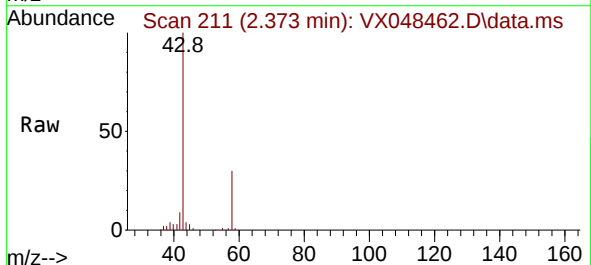
Instrument :
MSVOA_X
ClientSampleId :
10-17-25-WATER

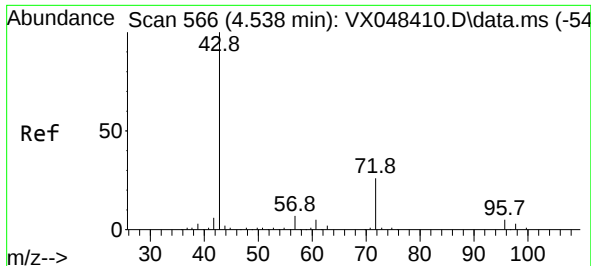
Tgt Ion:168 Resp: 93421
Ion Ratio Lower Upper
168 100
99 64.8 46.4 69.6



#16
Acetone
Concen: 137.305 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048462.D
Acq: 03 Nov 2025 17:03

Tgt Ion: 43 Resp: 41810
Ion Ratio Lower Upper
43 100
58 28.7 23.4 35.2





#25

2-Butanone

Concen: 21.063 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX048462.D

Acq: 03 Nov 2025 17:03

Instrument :

MSVOA_X

ClientSampleId :

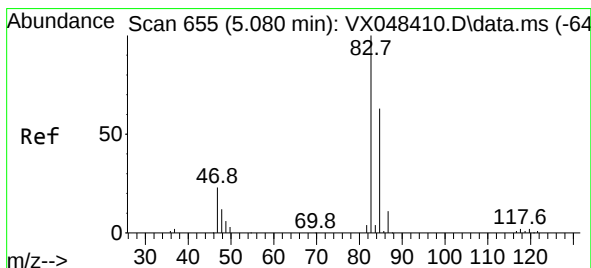
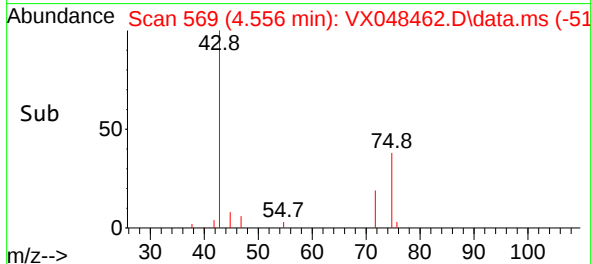
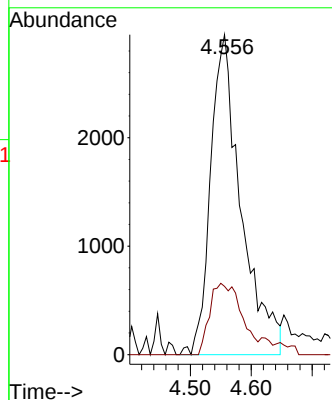
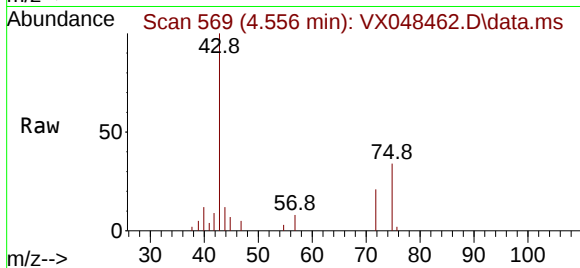
10-17-25-WATER

Tgt Ion: 43 Resp: 10246

Ion Ratio Lower Upper

43 100

72 21.4 19.9 29.9



#30

Chloroform

Concen: 0.608 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX048462.D

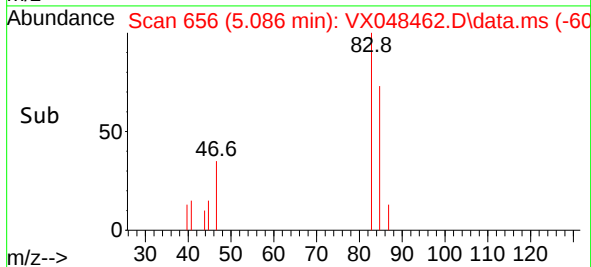
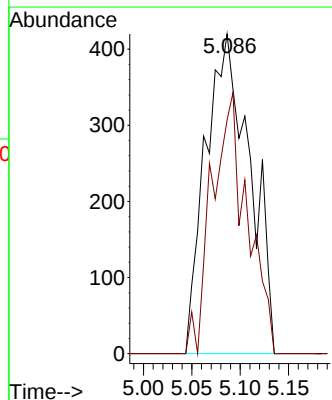
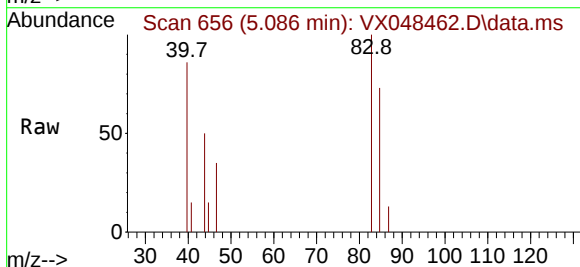
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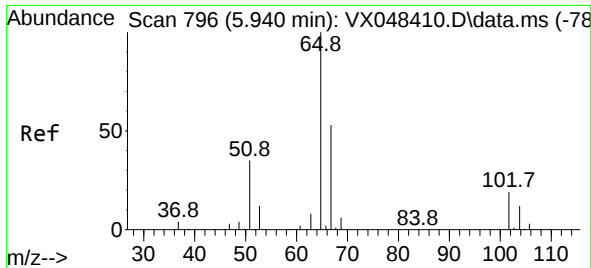
Tgt Ion: 83 Resp: 1337

Ion Ratio Lower Upper

83 100

85 73.1 50.1 75.1

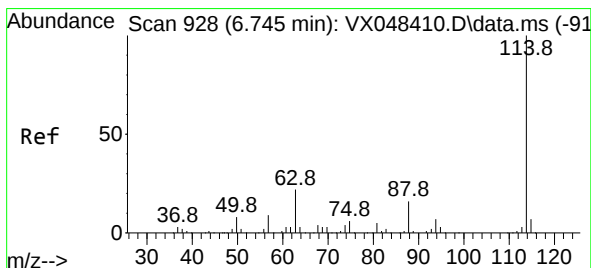
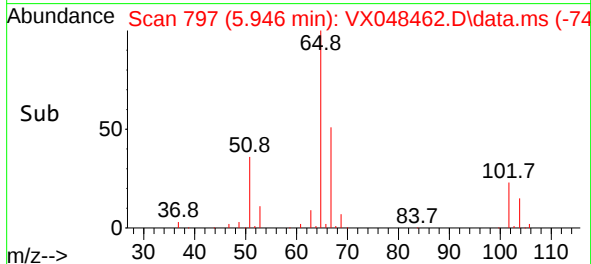
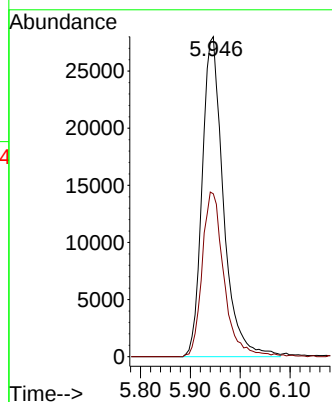
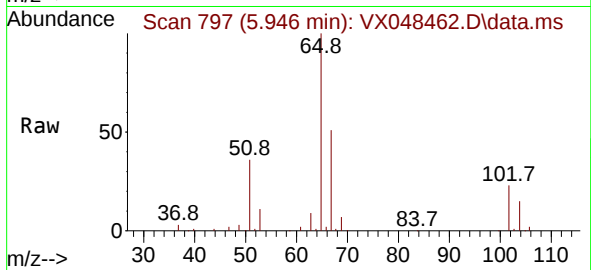




#33
 1,2-Dichloroethane-d4
 Concen: 61.742 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048462.D
 Acq: 03 Nov 2025 17:03

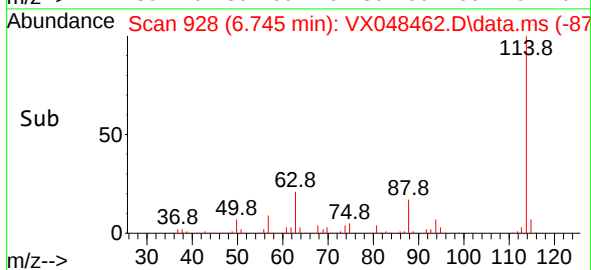
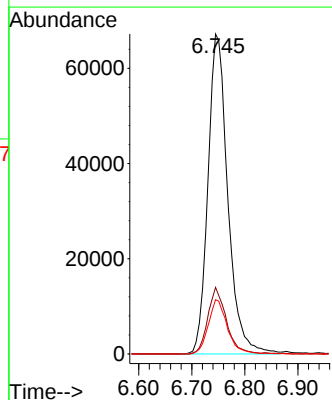
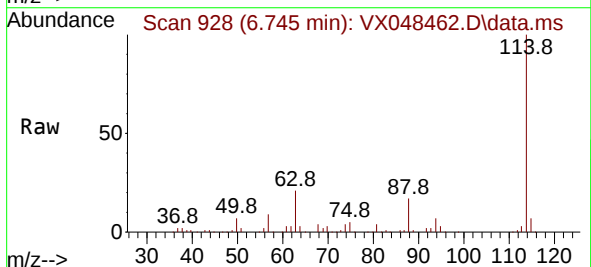
Instrument :
 MSVOA_X
 ClientSampleId :
 10-17-25-WATER

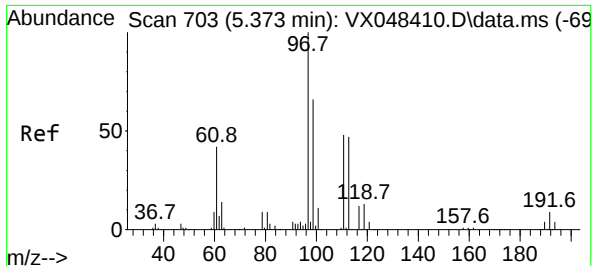
Tgt Ion: 65 Resp: 82953
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX048462.D
 Acq: 03 Nov 2025 17:03

Tgt Ion: 114 Resp: 174899
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.2
 88 16.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 61.557 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048462.D

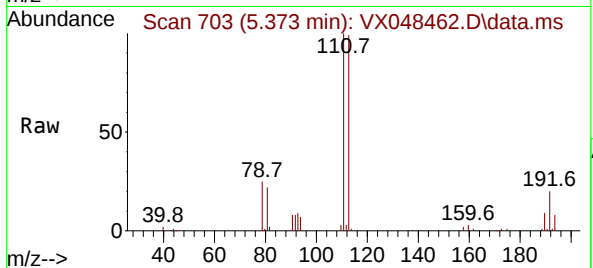
Acq: 03 Nov 2025 17:03

Instrument :

MSVOA_X

ClientSampleId :

10-17-25-WATER



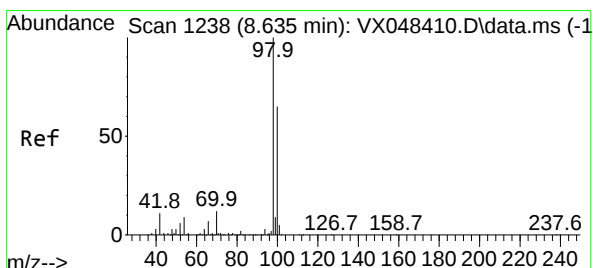
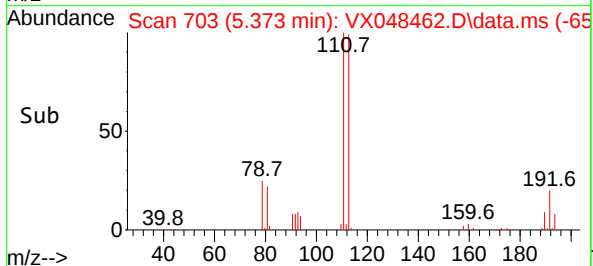
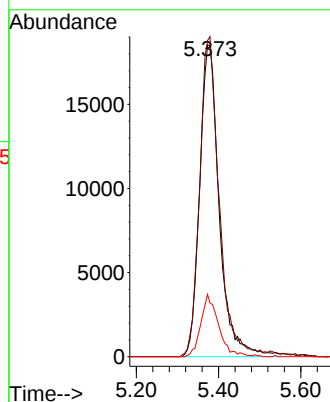
Tgt Ion:113 Resp: 61383

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 18.0 15.1 22.7



#50

Toluene-d8

Concen: 42.559 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VX048462.D

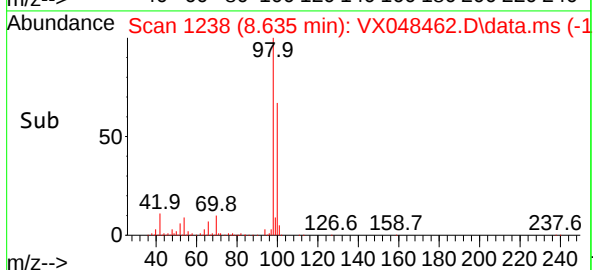
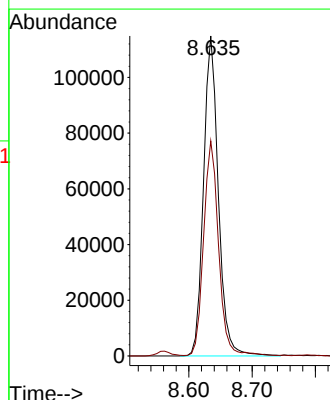
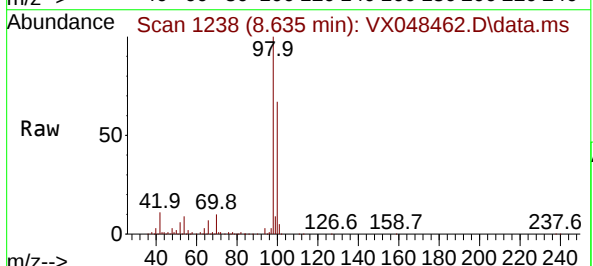
Acq: 03 Nov 2025 17:03

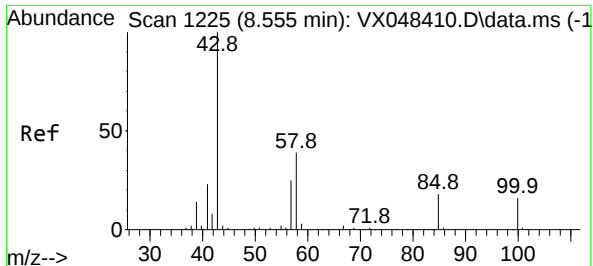
Tgt Ion: 98 Resp: 187335

Ion Ratio Lower Upper

98 100

100 67.7 53.0 79.4

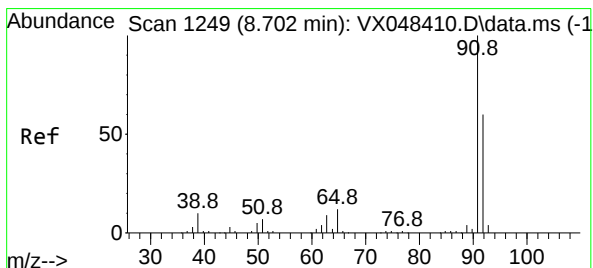
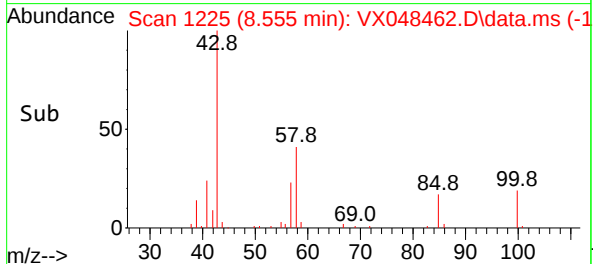
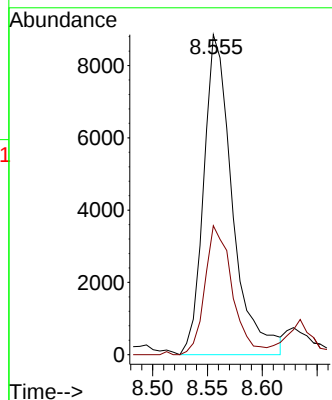
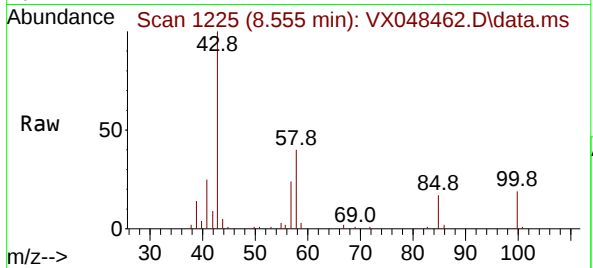




#51
4-Methyl-2-Pentanone
Concen: 12.299 ug/l
RT: 8.555 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048462.D
Acq: 03 Nov 2025 17:03

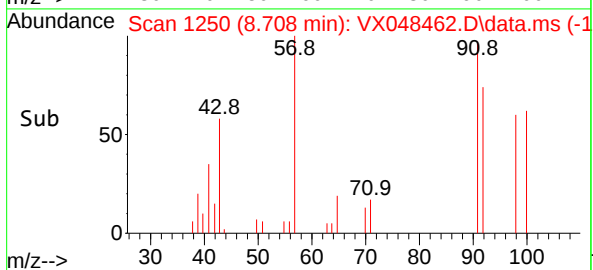
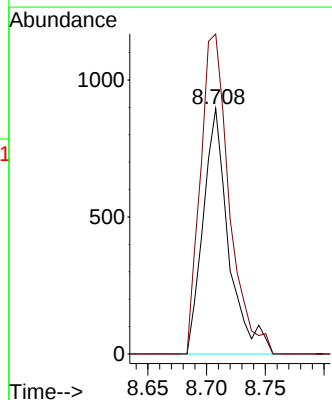
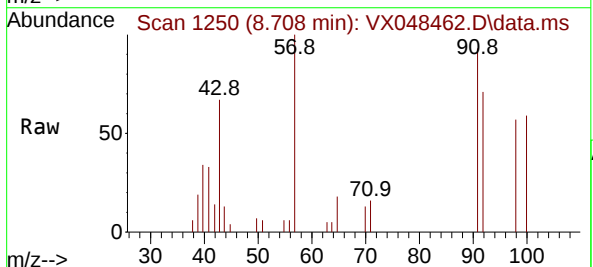
Instrument :
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10-17-25-WATER

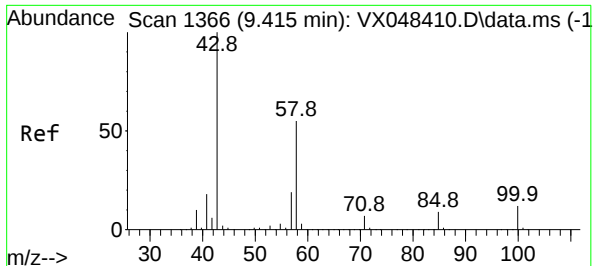
Tgt Ion: 43 Resp: 16123
Ion Ratio Lower Upper
43 100
58 38.4 29.5 44.3



#52
Toluene
Concen: 0.422 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048462.D
Acq: 03 Nov 2025 17:03

Tgt Ion: 92 Resp: 1350
Ion Ratio Lower Upper
92 100
91 148.0 136.1 204.1





#59

2-Hexanone

Concen: 7.180 ug/l

RT: 9.421 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX048462.D

Acq: 03 Nov 2025 17:03

Instrument :

MSVOA_X

ClientSampleId :

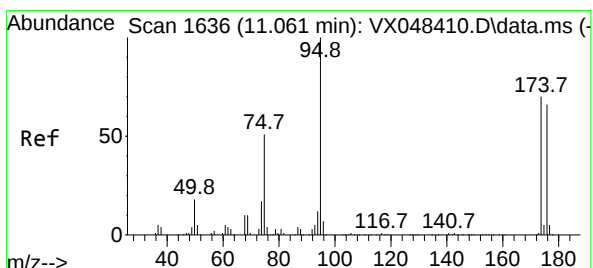
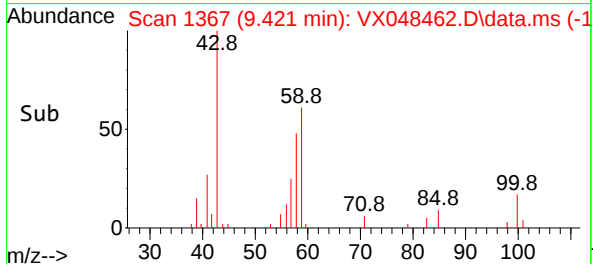
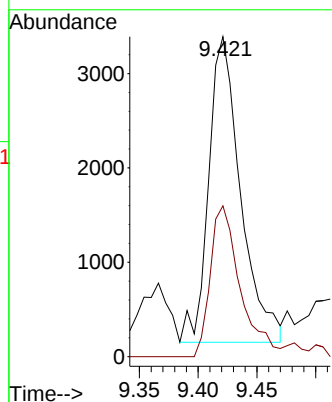
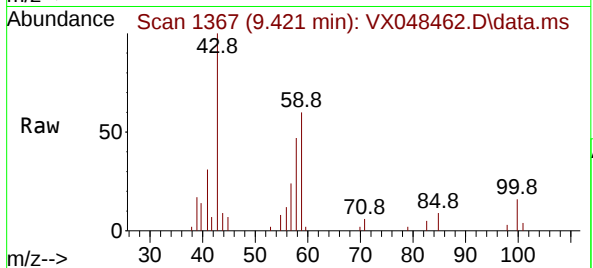
10-17-25-WATER

Tgt Ion: 43 Resp: 6124

Ion Ratio Lower Upper

43 100

58 46.1 26.3 78.8



#62

4-Bromofluorobenzene

Concen: 45.899 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048462.D

Acq: 03 Nov 2025 17:03

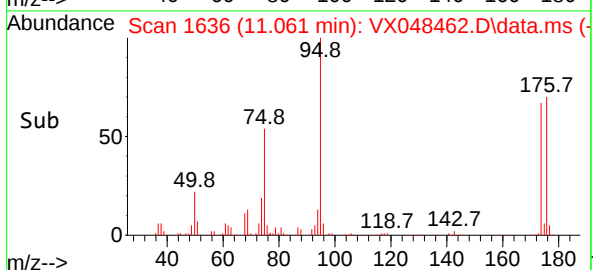
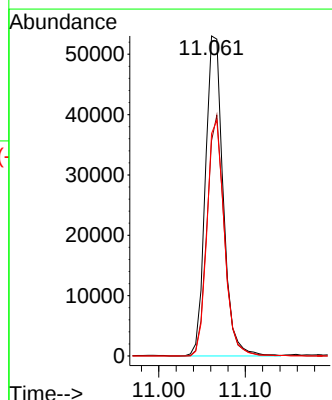
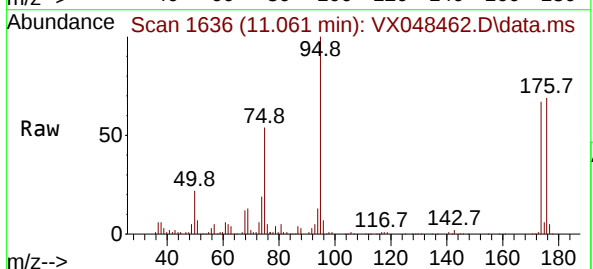
Tgt Ion: 95 Resp: 75577

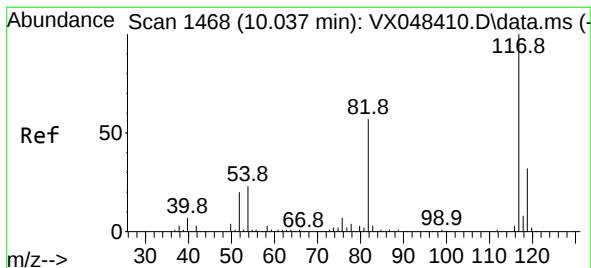
Ion Ratio Lower Upper

95 100

174 73.1 0.0 147.8

176 72.2 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048462.D

Acq: 03 Nov 2025 17:03

Instrument :

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ClientSampleId :

10-17-25-WATER

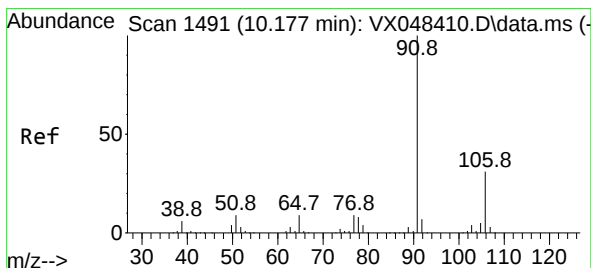
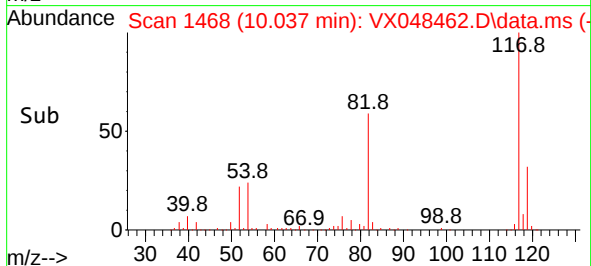
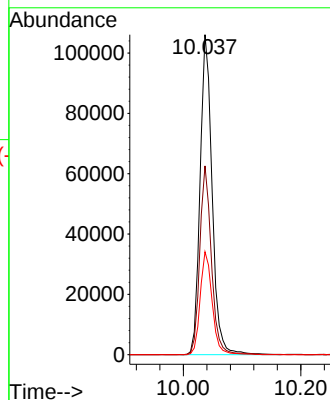
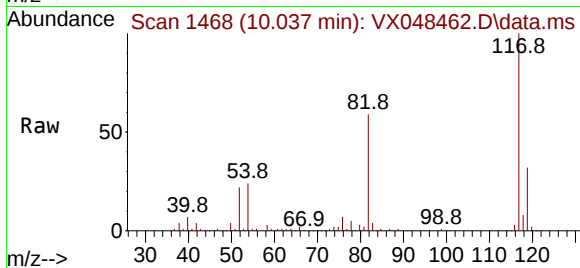
Tgt Ion:117 Resp: 150278

Ion Ratio Lower Upper

117 100

82 58.9 46.5 69.7

119 32.1 25.9 38.9



#67

Ethyl Benzene

Concen: 0.492 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048462.D

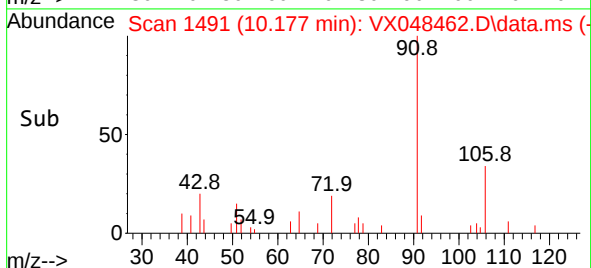
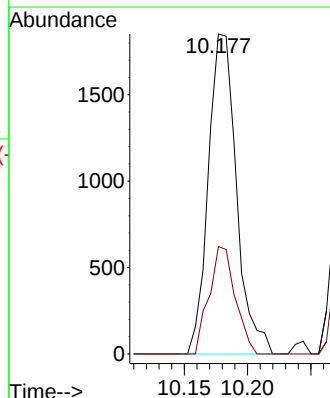
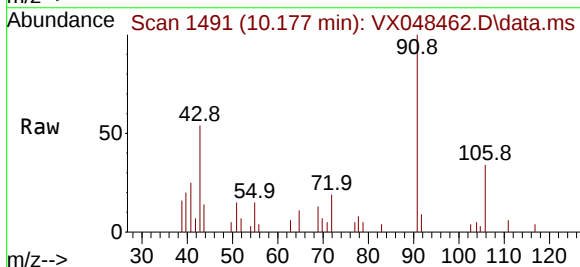
Acq: 03 Nov 2025 17:03

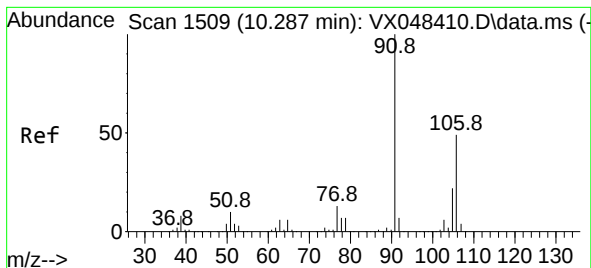
Tgt Ion: 91 Resp: 2869

Ion Ratio Lower Upper

91 100

106 30.8 23.8 35.6

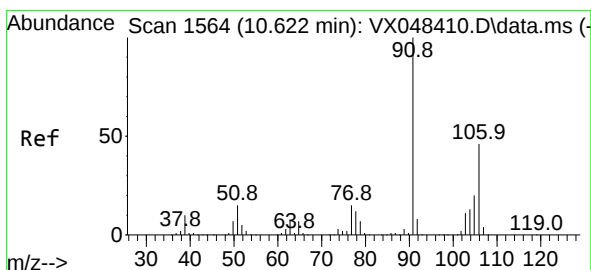
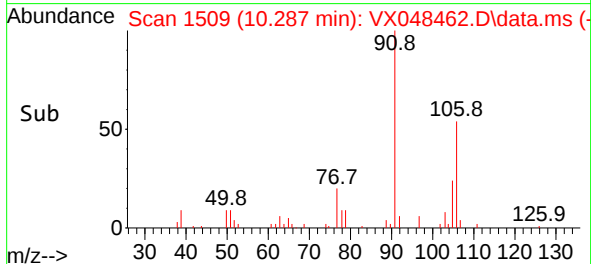
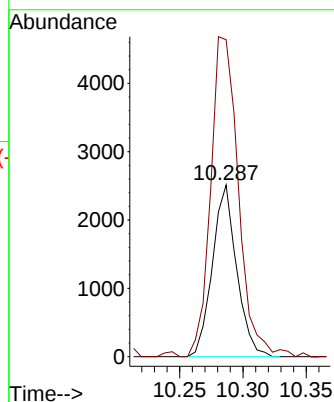
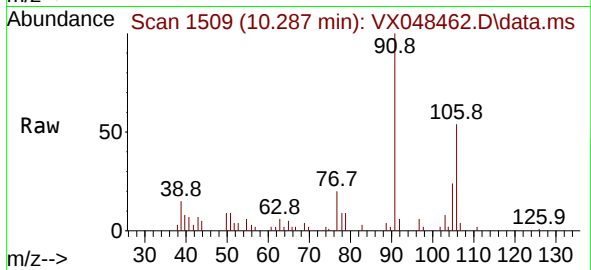




#68
m/p-Xylenes
Concen: 1.516 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048462.D
Acq: 03 Nov 2025 17:03

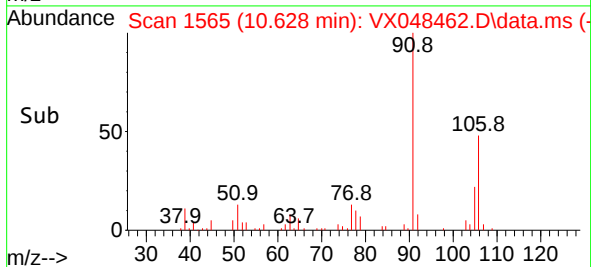
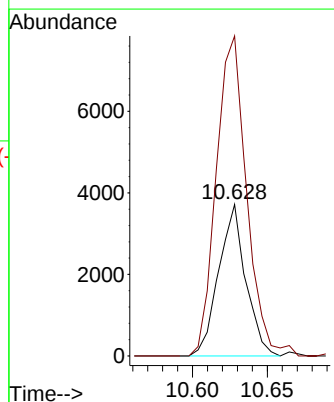
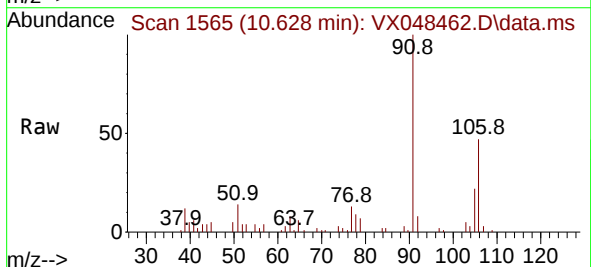
Instrument :
MSVOA_X
ClientSampleId :
10-17-25-WATER

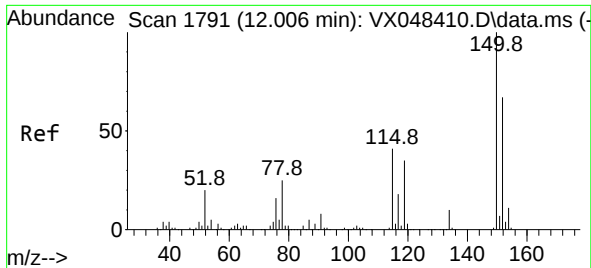
Tgt Ion:106 Resp: 3346
Ion Ratio Lower Upper
106 100
91 213.7 167.9 251.9



#69
o-Xylene
Concen: 2.219 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048462.D
Acq: 03 Nov 2025 17:03

Tgt Ion:106 Resp: 4680
Ion Ratio Lower Upper
106 100
91 236.8 111.3 333.9

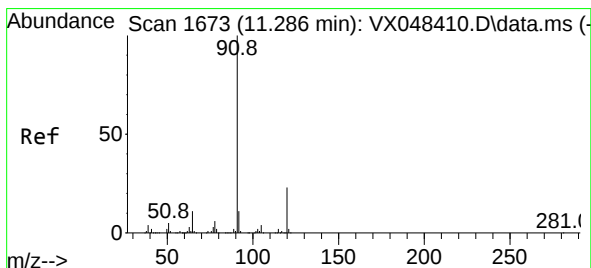
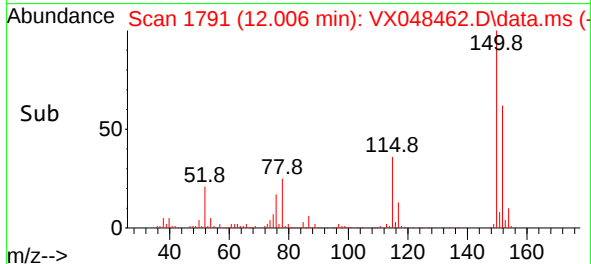
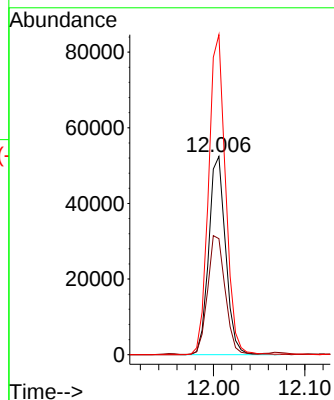
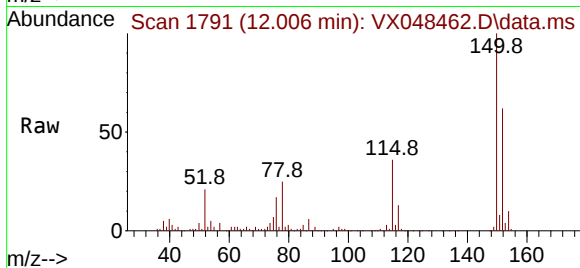




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048462.D
Acq: 03 Nov 2025 17:03

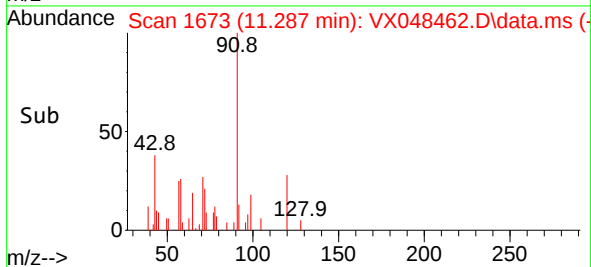
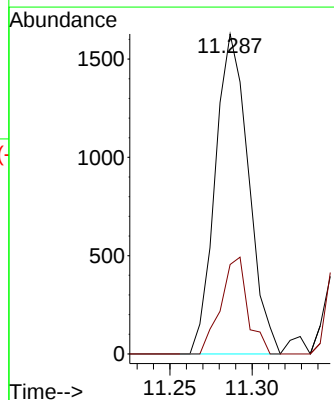
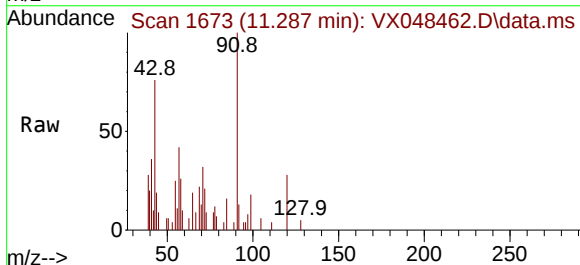
Instrument :
MSVOA_X
ClientSampleId :
10-17-25-WATER

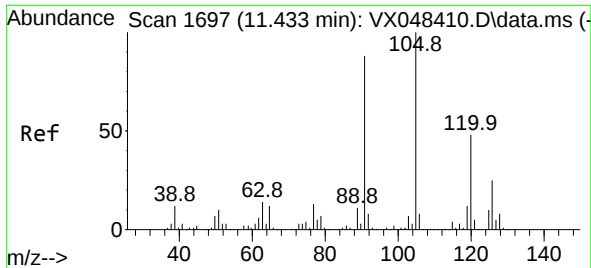
Tgt Ion:152 Resp: 67006
Ion Ratio Lower Upper
152 100
115 62.1 43.1 129.4
150 162.5 0.0 353.0



#78
n-propylbenzene
Concen: 0.391 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048462.D
Acq: 03 Nov 2025 17:03

Tgt Ion: 91 Resp: 2290
Ion Ratio Lower Upper
91 100
120 24.4 11.1 33.1

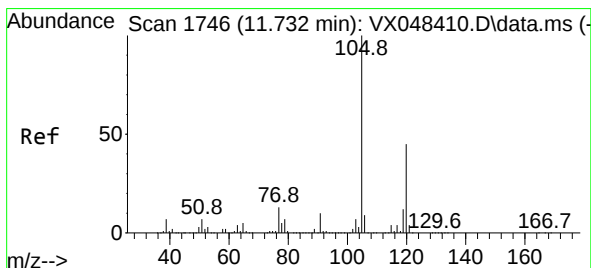
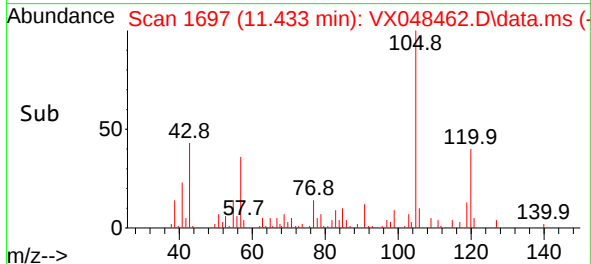
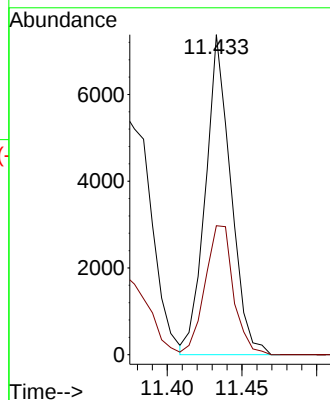
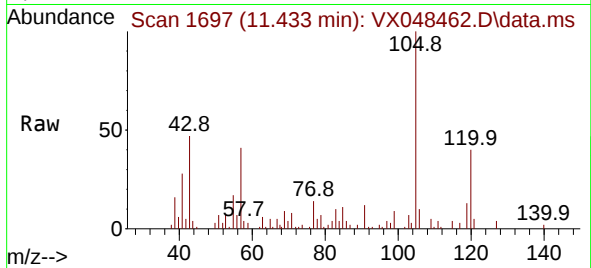




#80
 1,3,5-Trimethylbenzene
 Concen: 2.137 ug/l
 RT: 11.433 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: VX048462.D
 Acq: 03 Nov 2025 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 10-17-25-WATER

Tgt Ion:105 Resp: 8681
 Ion Ratio Lower Upper
 105 100
 120 45.4 24.0 72.0



#84
 1,2,4-Trimethylbenzene
 Concen: 3.510 ug/l
 RT: 11.732 min Scan# 1746
 Delta R.T. 0.000 min
 Lab File: VX048462.D
 Acq: 03 Nov 2025 17:03

Tgt Ion:105 Resp: 14121
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.1 66.5

