

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047448.D
 Acq On : 20 Aug 2025 17:14
 Operator : JC/MD
 Sample : Q2900-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17C-081825

Quant Time: Aug 21 01:36:12 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)

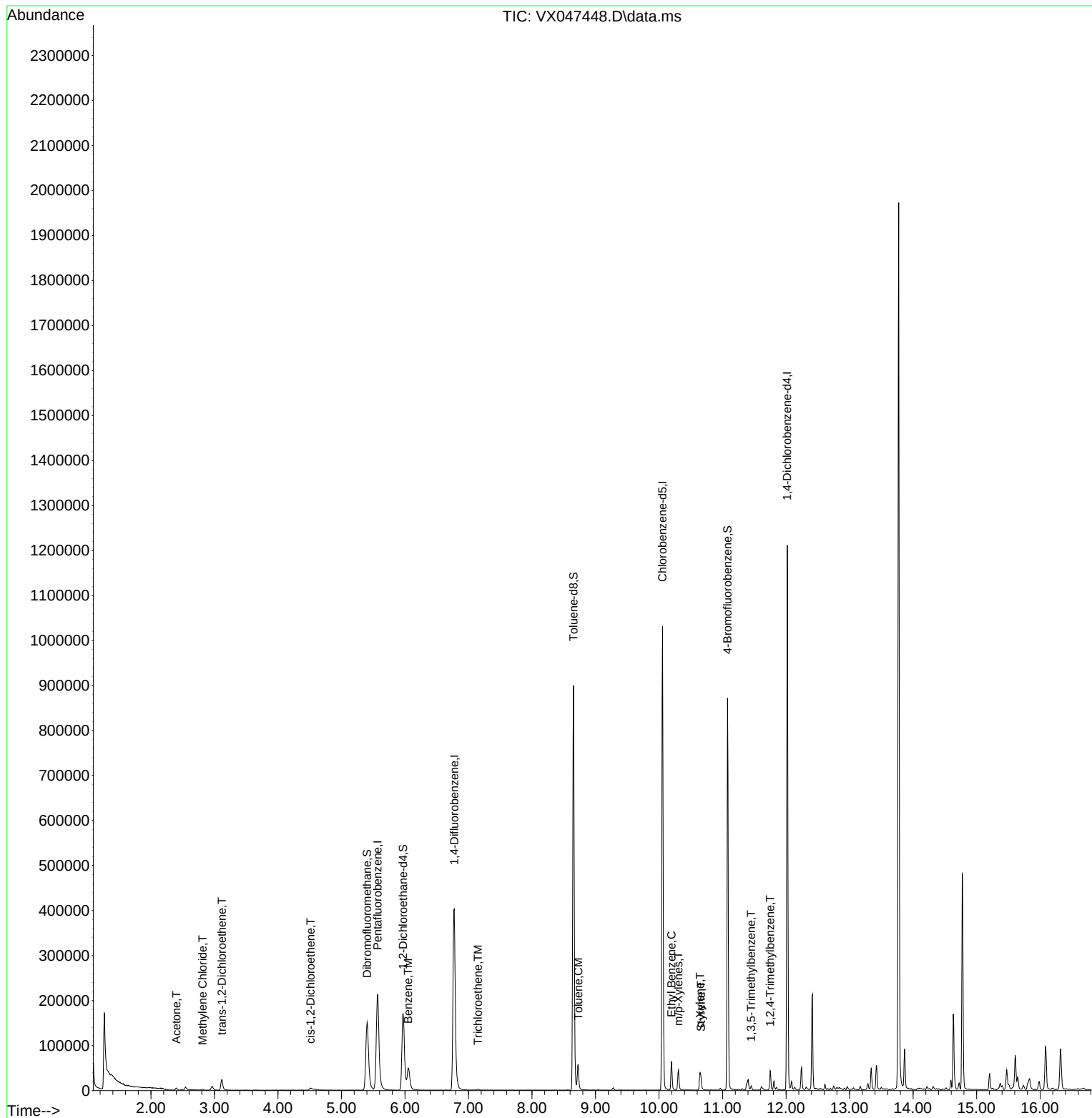
Internal Standards						
1) Pentafluorobenzene	5.568	168	212241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	444804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	457700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	239394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	183163	61.663	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 123.320%#	
35) Dibromofluoromethane	5.403	113	144927	50.203	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.400%	
50) Toluene-d8	8.653	98	534350	51.787	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	11.079	95	232287	61.006	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 122.020%	
Target Compounds						
					Qvalue	
16) Acetone	2.398	43	6049	5.418	ug/l	98
20) Methylene Chloride	2.812	84	869	0.294	ug/l #	77
21) trans-1,2-Dichloroethene	3.117	96	11544	4.070	ug/l	92
27) cis-1,2-Dichloroethene	4.513	96	3286	0.995	ug/l	89
40) Benzene	6.050	78	59638	4.372	ug/l	99
44) Trichloroethene	7.147	130	907	0.260	ug/l	88
52) Toluene	8.726	92	22737	2.698	ug/l	96
67) Ethyl Benzene	10.195	91	37556	2.006	ug/l	100
68) m/p-Xylenes	10.305	106	10965	1.571	ug/l	91
69) o-Xylene	10.646	106	7701	1.146	ug/l	96
70) Styrene	10.659	104	11477	1.011	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	4831	0.313	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	19168	1.244	ug/l	99

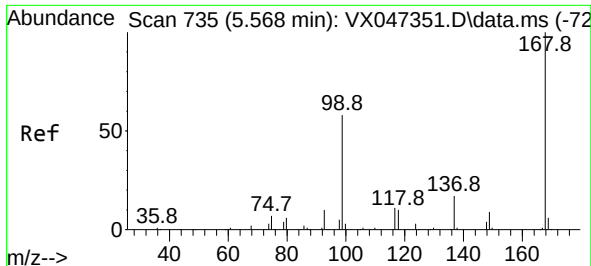
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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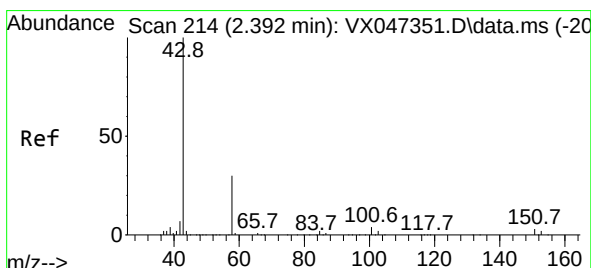
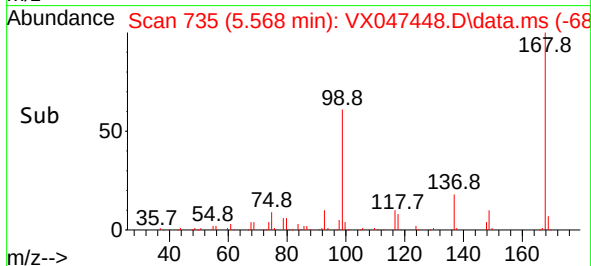
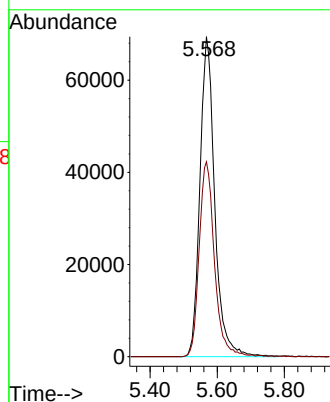
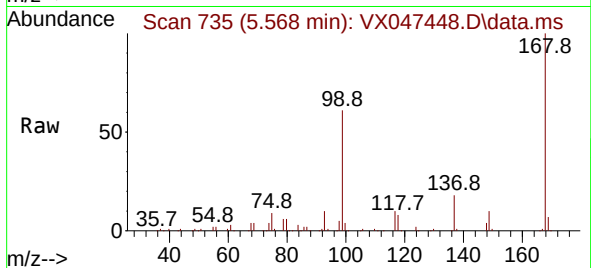




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

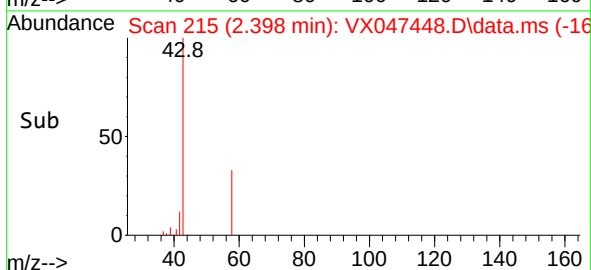
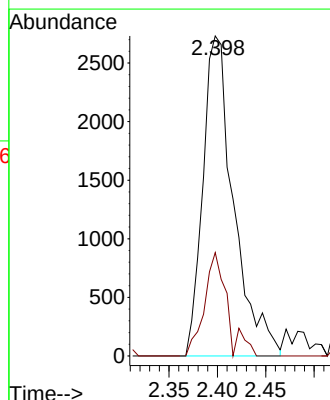
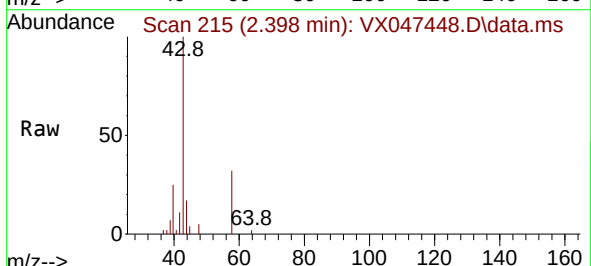
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

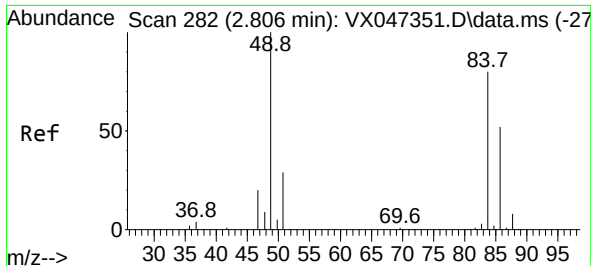
Tgt Ion:168 Resp: 212241
Ion Ratio Lower Upper
168 100
99 60.9 47.9 71.9



#16
Acetone
Concen: 5.418 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

Tgt Ion: 43 Resp: 6049
Ion Ratio Lower Upper
43 100
58 32.3 24.8 37.2

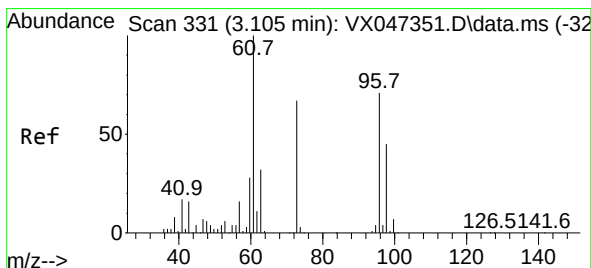
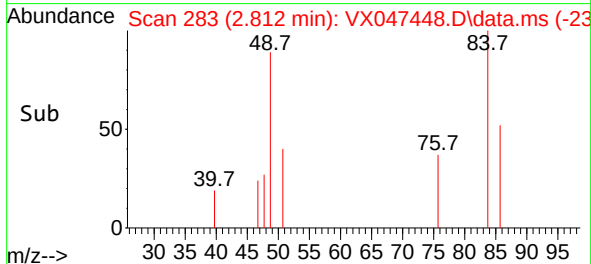
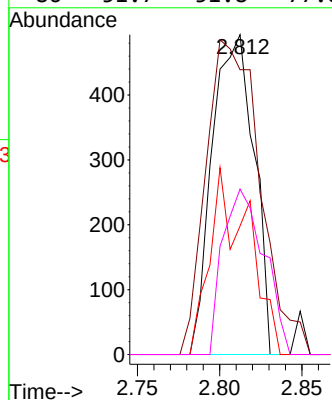
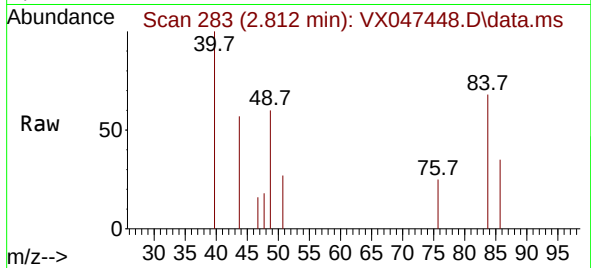




#20
Methylene Chloride
Concen: 0.294 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

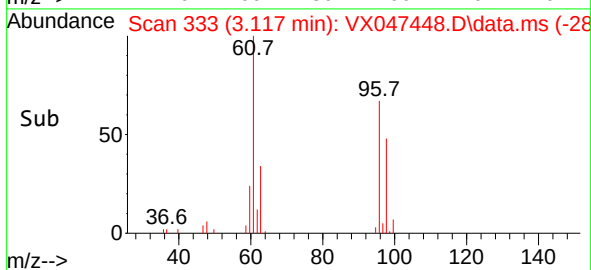
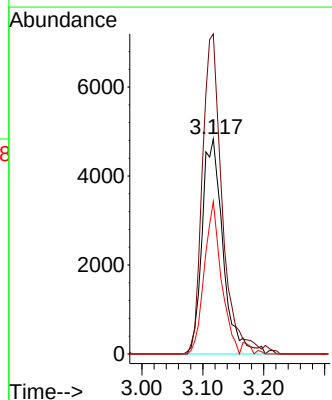
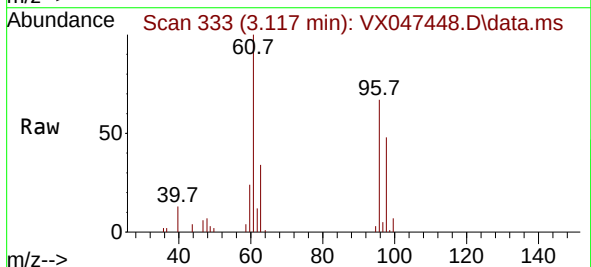
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

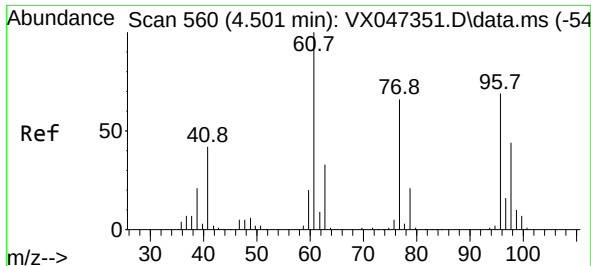
Tgt Ion: 84 Resp: 869
Ion Ratio Lower Upper
84 100
49 89.0 100.1 150.1#
51 40.2 29.5 44.3
86 51.7 51.8 77.8#



#21
trans-1,2-Dichloroethene
Concen: 4.070 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

Tgt Ion: 96 Resp: 11544
Ion Ratio Lower Upper
96 100
61 148.8 112.6 169.0
98 72.9 50.9 76.3





#27

cis-1,2-Dichloroethene

Concen: 0.995 ug/l

RT: 4.513 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX047448.D

Acq: 20 Aug 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

MW-17C-081825

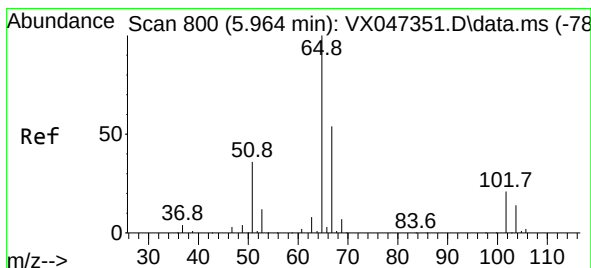
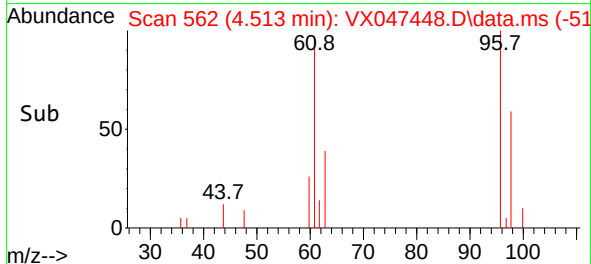
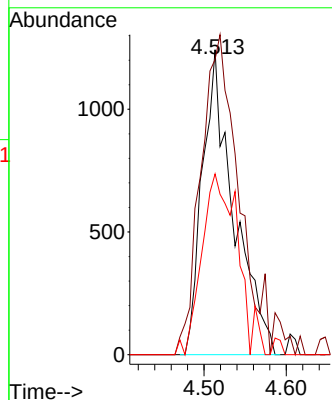
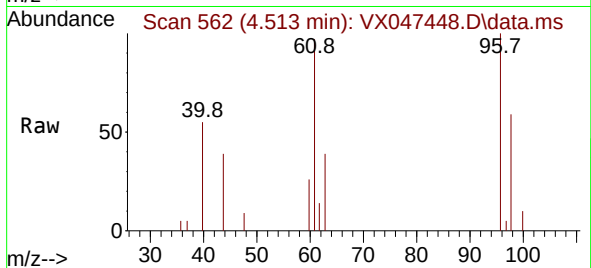
Tgt Ion: 96 Resp: 3286

Ion Ratio Lower Upper

96 100

61 131.3 0.0 296.6

98 68.2 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 61.663 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047448.D

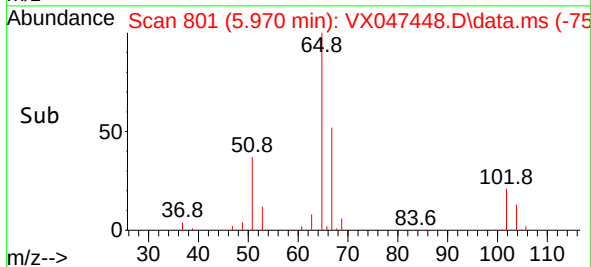
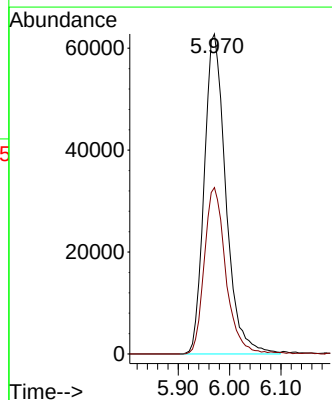
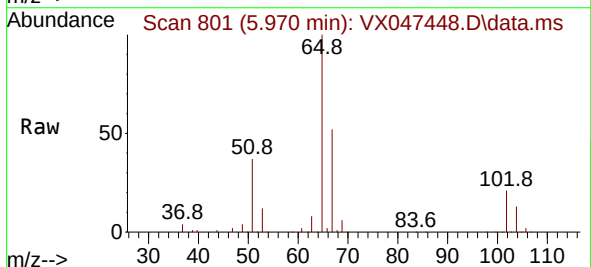
Acq: 20 Aug 2025 17:14

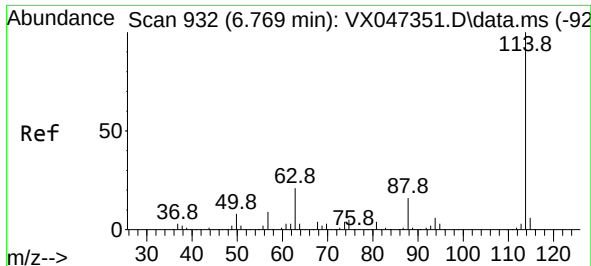
Tgt Ion: 65 Resp: 183163

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.0

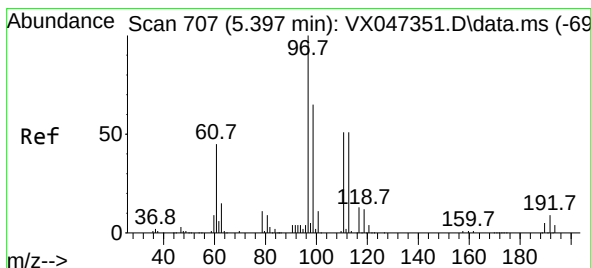
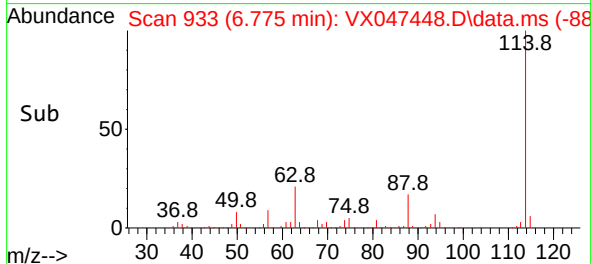
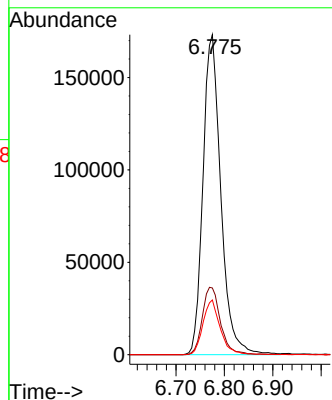
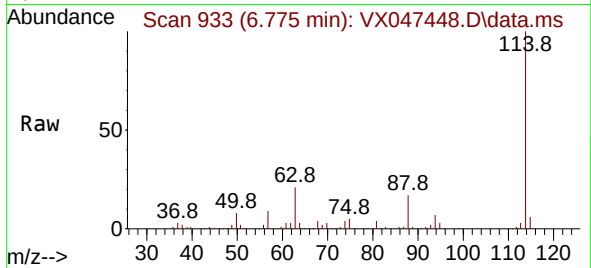




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

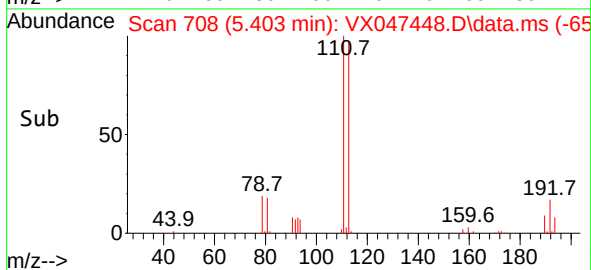
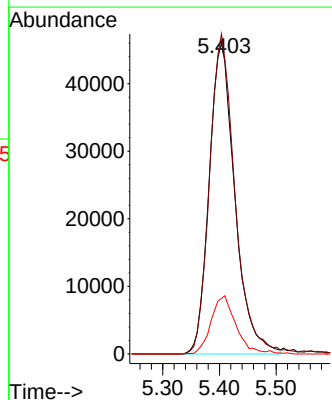
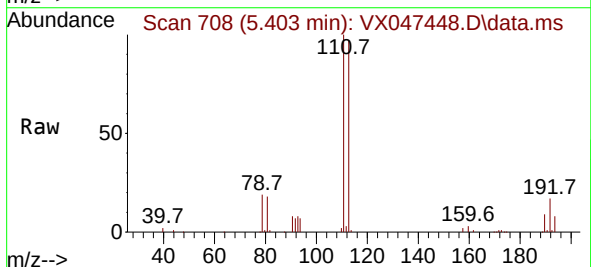
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

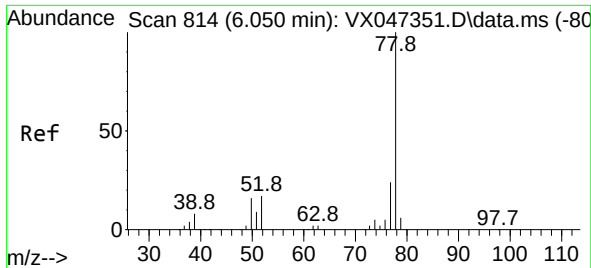
Tgt Ion:114 Resp: 444804
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.4
88 17.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.203 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

Tgt Ion:113 Resp: 144927
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.2
192 18.3 14.1 21.1





#40

Benzene

Concen: 4.372 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.000 min

Lab File: VX047448.D

Acq: 20 Aug 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

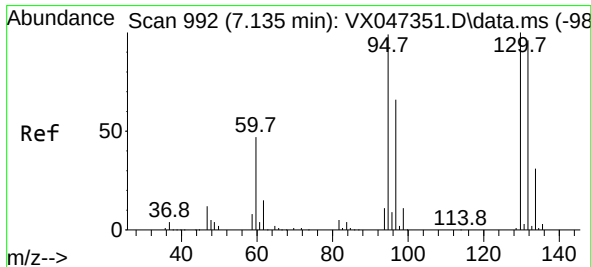
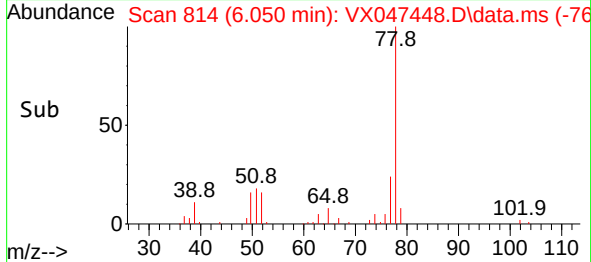
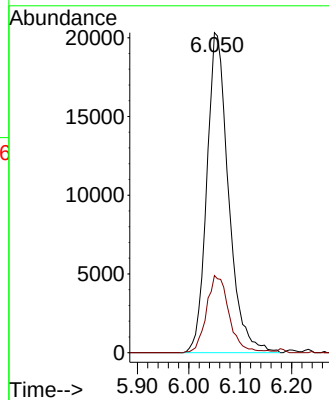
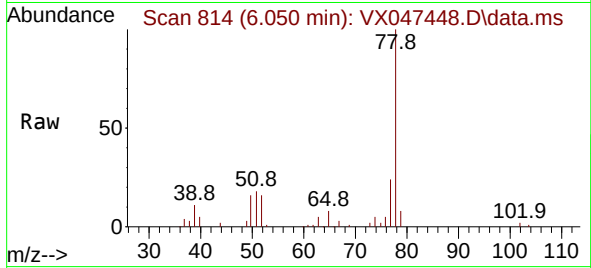
MW-17C-081825

Tgt Ion: 78 Resp: 59638

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4



#44

Trichloroethene

Concen: 0.260 ug/l

RT: 7.147 min Scan# 994

Delta R.T. 0.012 min

Lab File: VX047448.D

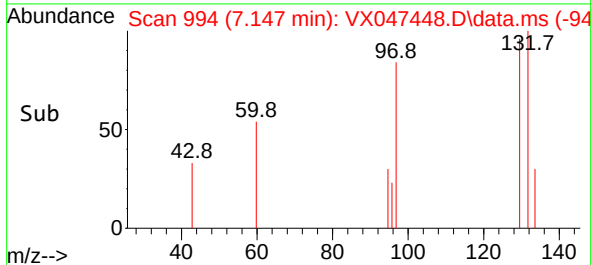
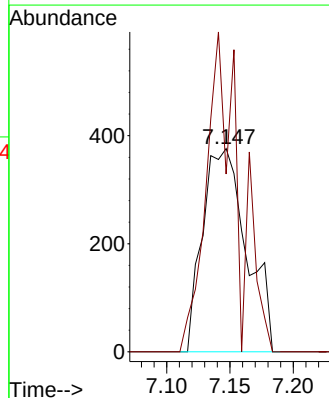
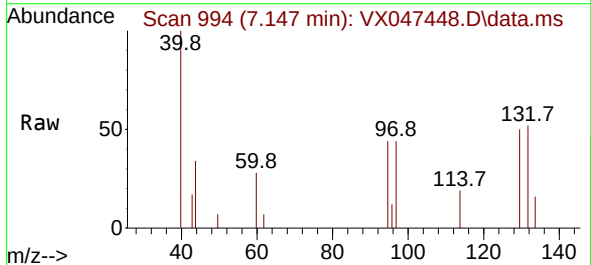
Acq: 20 Aug 2025 17:14

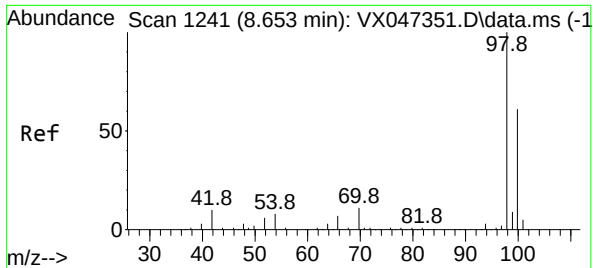
Tgt Ion:130 Resp: 907

Ion Ratio Lower Upper

130 100

95 87.5 0.0 198.6

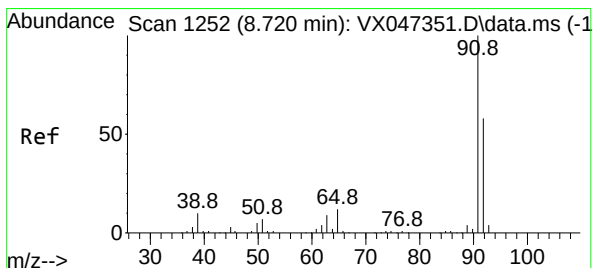
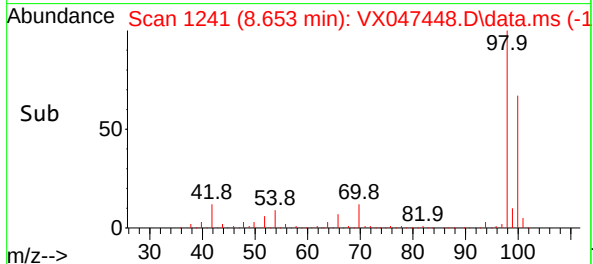
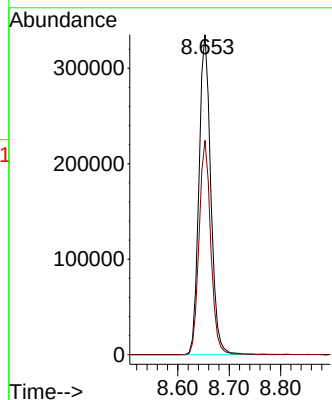
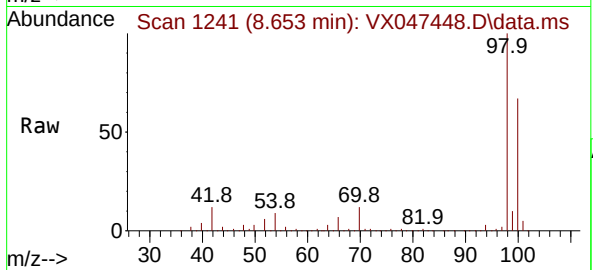




#50
Toluene-d8
Concen: 51.787 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

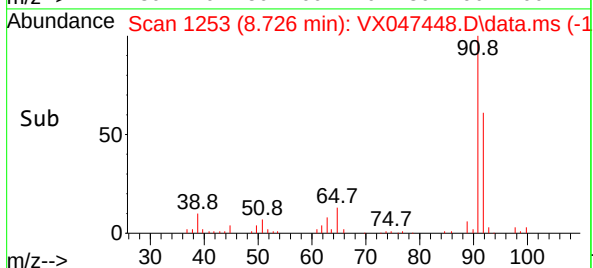
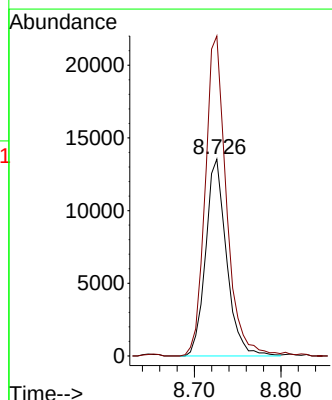
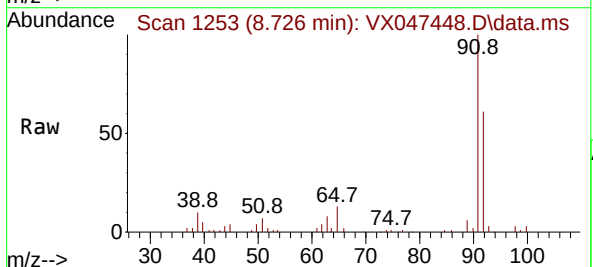
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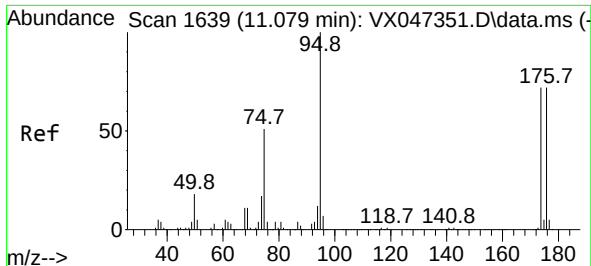
Tgt Ion: 98 Resp: 534350
Ion Ratio Lower Upper
98 100
100 66.2 53.9 80.9



#52
Toluene
Concen: 2.698 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

Tgt Ion: 92 Resp: 22737
Ion Ratio Lower Upper
92 100
91 165.5 136.3 204.5





#62

4-Bromofluorobenzene

Concen: 61.006 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047448.D

Acq: 20 Aug 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

MW-17C-081825

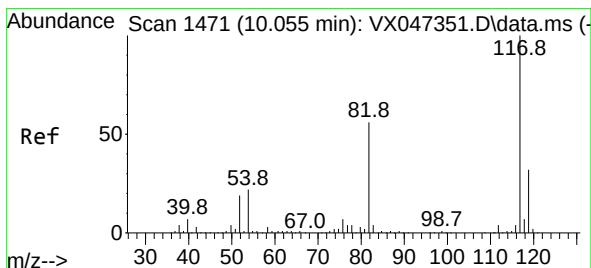
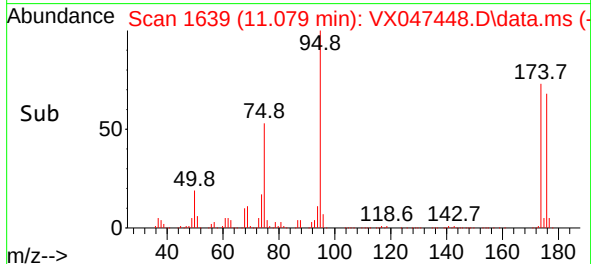
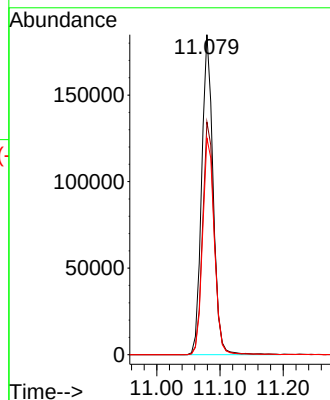
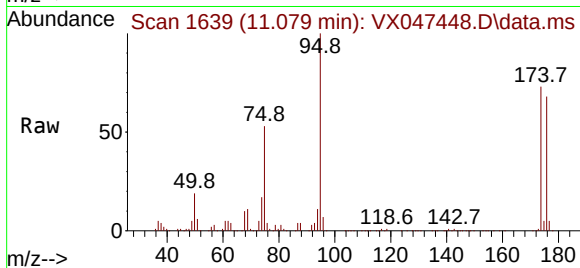
Tgt Ion: 95 Resp: 232287

Ion Ratio Lower Upper

95 100

174 74.5 0.0 148.0

176 69.6 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: VX047448.D

Acq: 20 Aug 2025 17:14

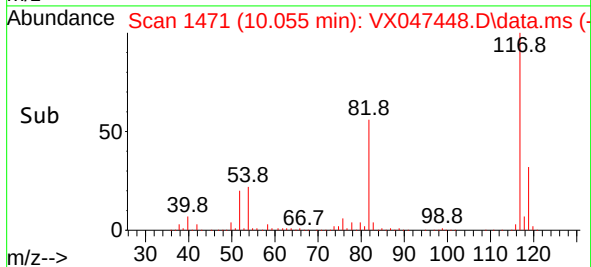
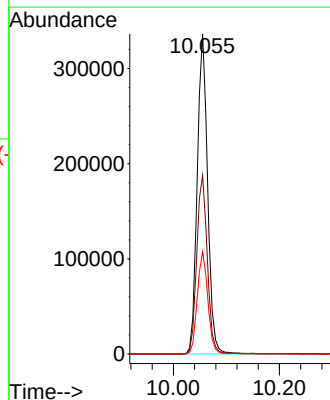
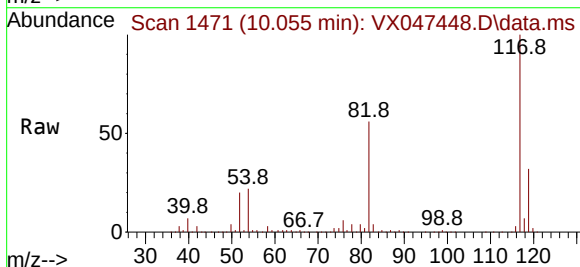
Tgt Ion: 117 Resp: 457700

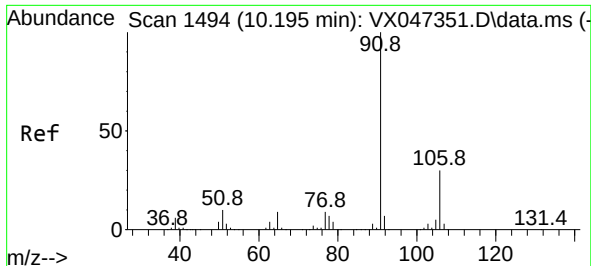
Ion Ratio Lower Upper

117 100

82 55.8 45.0 67.4

119 31.9 25.8 38.8





#67

Ethyl Benzene

Concen: 2.006 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047448.D

Acq: 20 Aug 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

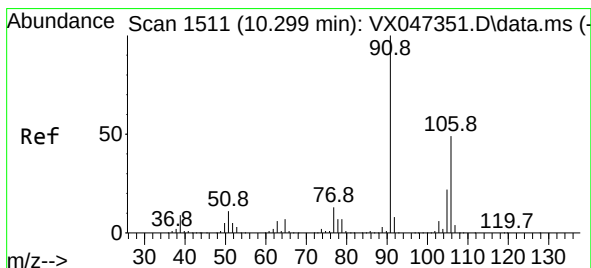
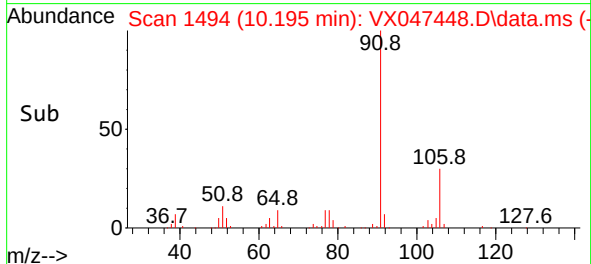
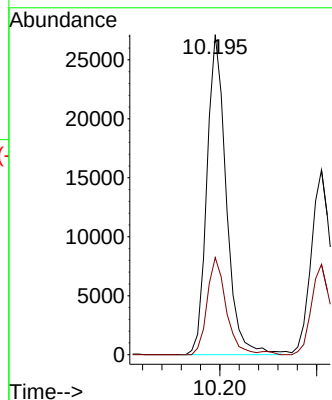
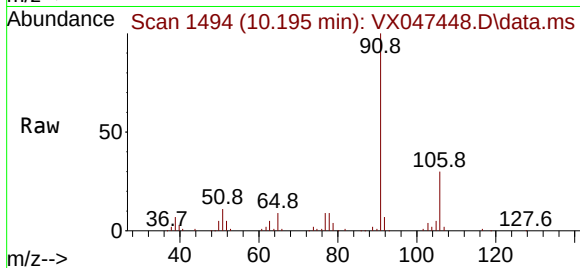
MW-17C-081825

Tgt Ion: 91 Resp: 37556

Ion Ratio Lower Upper

91 100

106 30.3 24.4 36.6



#68

m/p-Xylenes

Concen: 1.571 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX047448.D

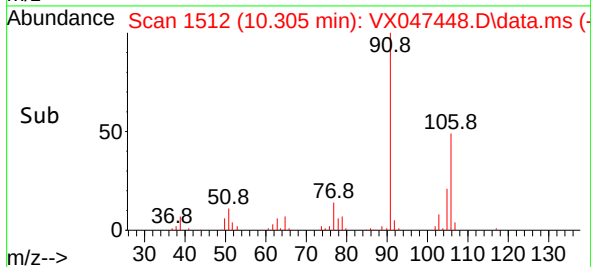
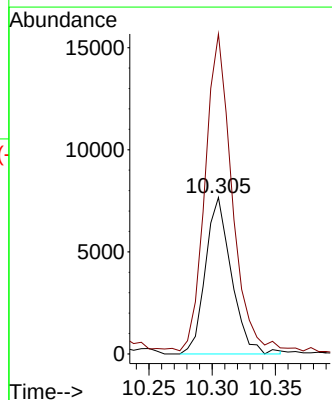
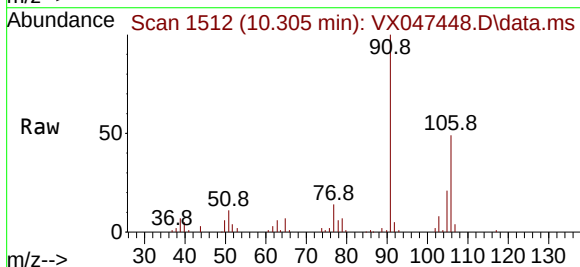
Acq: 20 Aug 2025 17:14

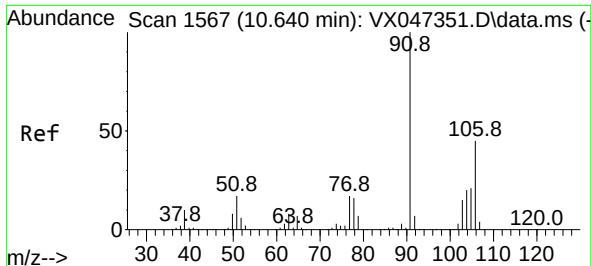
Tgt Ion: 106 Resp: 10965

Ion Ratio Lower Upper

106 100

91 220.2 164.7 247.1

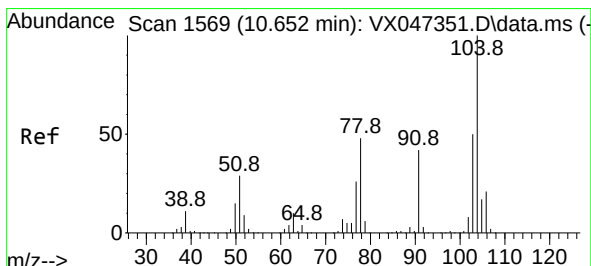
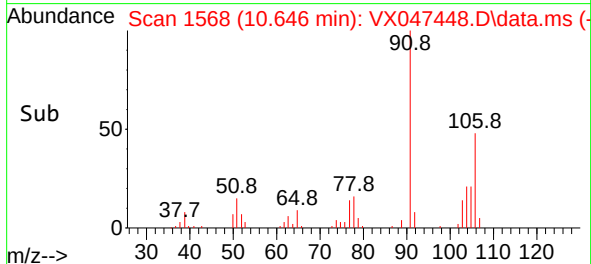
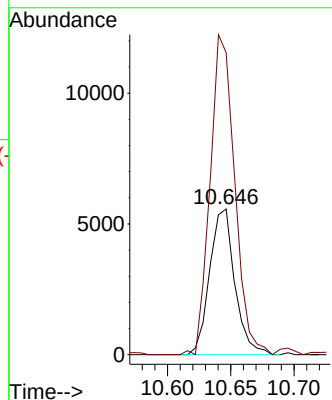
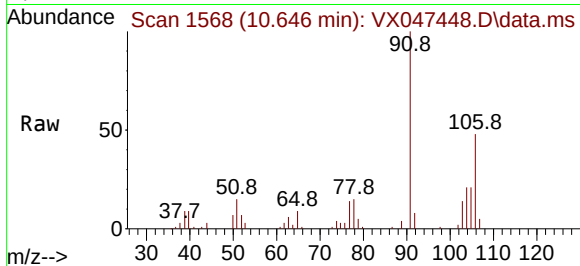




#69
o-Xylene
Concen: 1.146 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

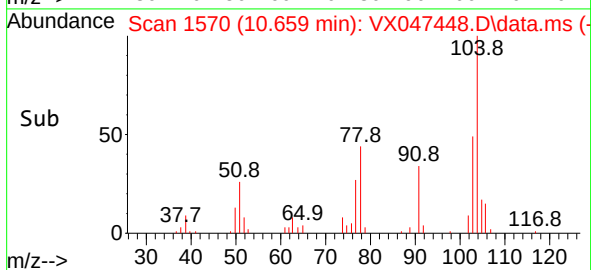
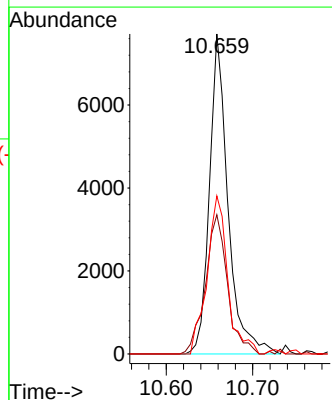
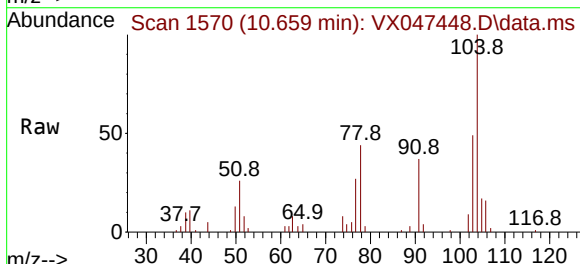
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

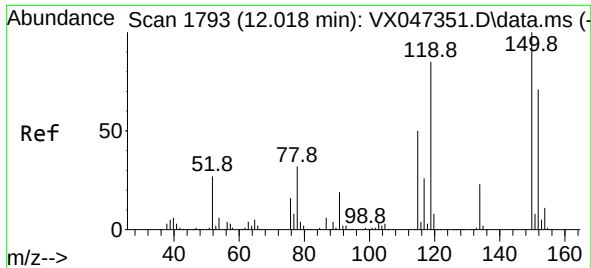
Tgt Ion:106 Resp: 7701
Ion Ratio Lower Upper
106 100
91 214.8 110.6 331.8



#70
Styrene
Concen: 1.011 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047448.D
Acq: 20 Aug 2025 17:14

Tgt Ion:104 Resp: 11477
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 55.1 43.6 65.4

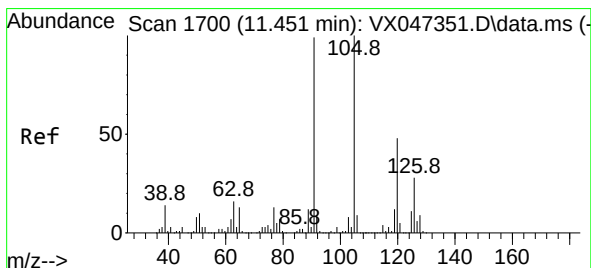
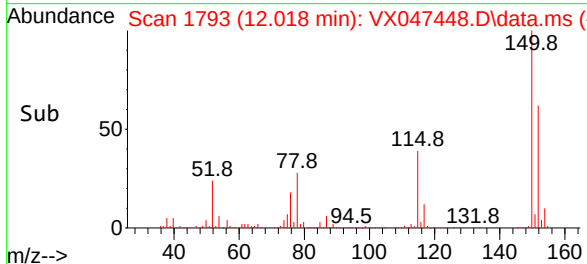
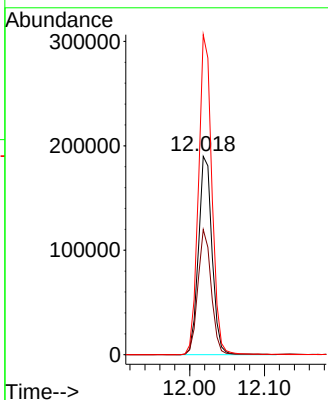
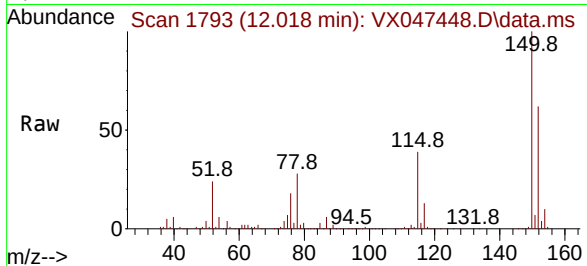




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. 0.000 min
 Lab File: VX047448.D
 Acq: 20 Aug 2025 17:14

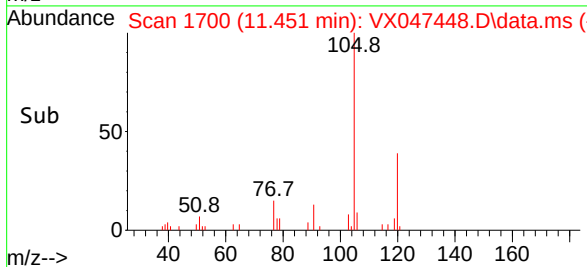
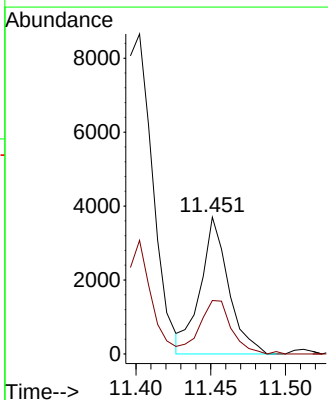
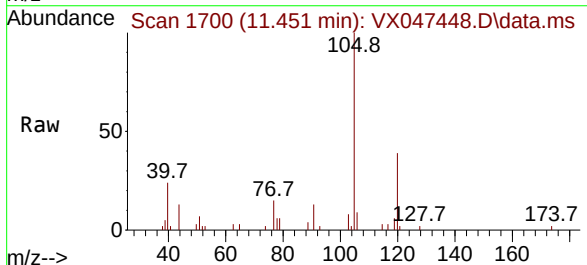
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17C-081825

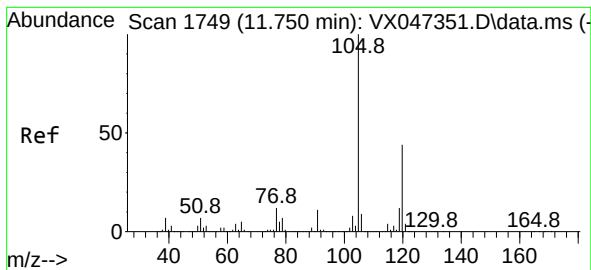
Tgt Ion:152 Resp: 239394
 Ion Ratio Lower Upper
 152 100
 115 62.3 44.6 133.8
 150 159.4 0.0 349.8



#80
 1,3,5-Trimethylbenzene
 Concen: 0.313 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX047448.D
 Acq: 20 Aug 2025 17:14

Tgt Ion:105 Resp: 4831
 Ion Ratio Lower Upper
 105 100
 120 44.6 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 1.244 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047448.D

Acq: 20 Aug 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

MW-17C-081825

Tgt Ion:105 Resp: 19168

Ion Ratio Lower Upper

105 100

120 43.0 21.9 65.7

