

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047433.D
 Acq On : 20 Aug 2025 11:49
 Operator : JC/MD
 Sample : Q2815-22RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-11M-S

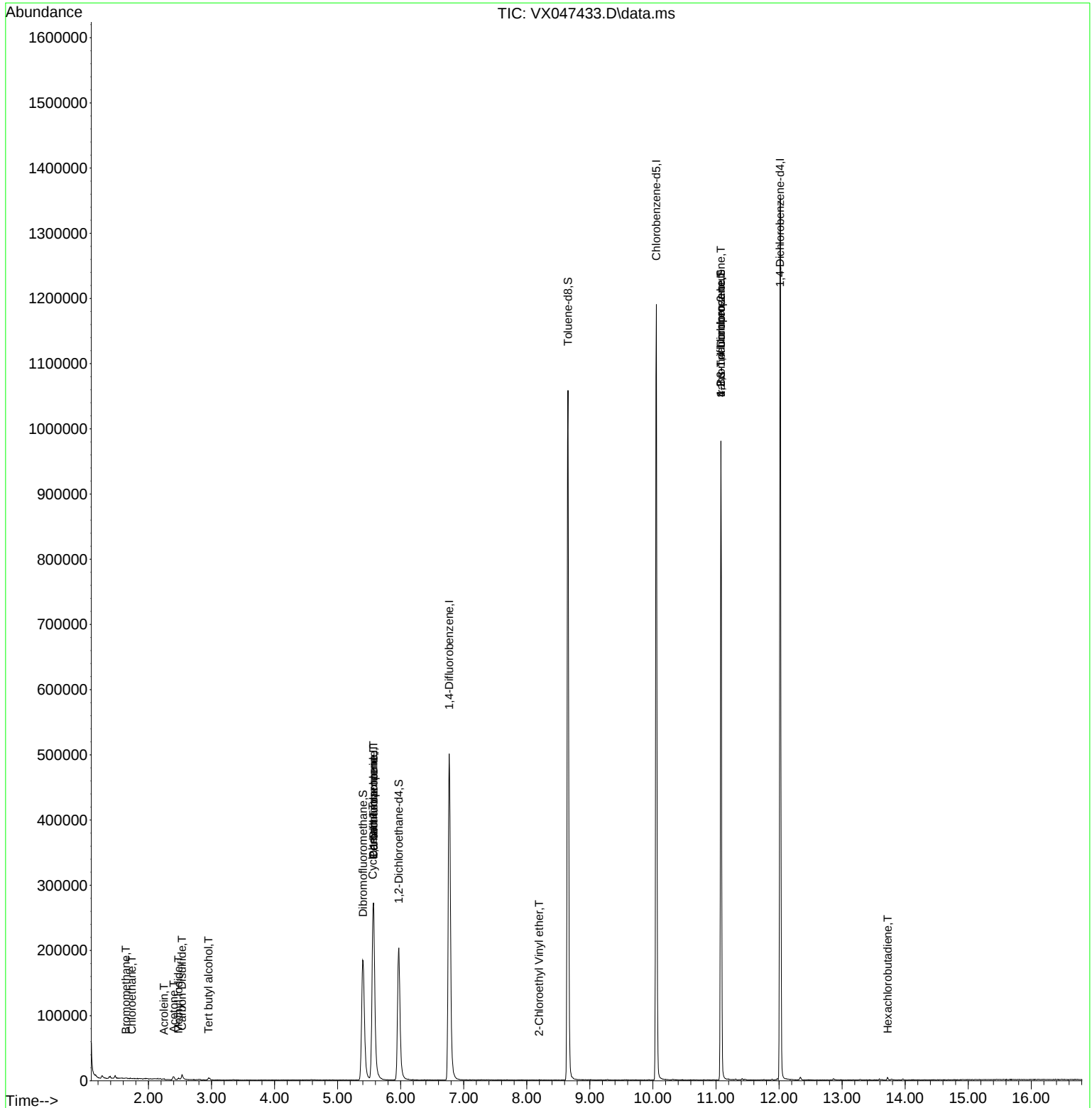
Quant Time: Aug 21 01:29:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

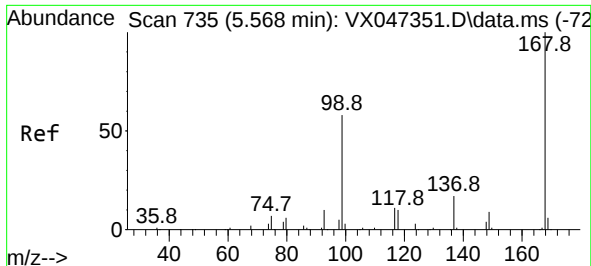
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	275255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	538445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	528308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	264520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	211576	54.922	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.840%	
35) Dibromofluoromethane	5.404	113	178714	51.141	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.280%	
50) Toluene-d8	8.653	98	641607	51.368	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	11.079	95	256712	55.695	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.400%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	549	0.343	ug/l #	74
6) Chloroethane	1.733	64	504	0.208	ug/l #	44
10) Methyl Iodide	2.477	142	3352	0.575	ug/l #	86
11) Tert butyl alcohol	2.953	59	1152	3.438	ug/l #	72
13) Acrolein	2.246	56	192	0.271	ug/l	99
16) Acetone	2.398	43	7219	4.985	ug/l	96
17) Carbon Disulfide	2.532	76	8056	0.770	ug/l	99
31) Cyclohexane	5.556	56	5585	0.901	ug/l #	12
36) 1,1-Dichloropropene	5.568	75	23200	4.206	ug/l #	46
38) Carbon Tetrachloride	5.568	117	29807	4.945	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.196	63	158	8.411	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	131810	27.168	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	131810	107.385	ug/l #	7
94) Hexachlorobutadiene	13.725	225	548	0.251	ug/l	89

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

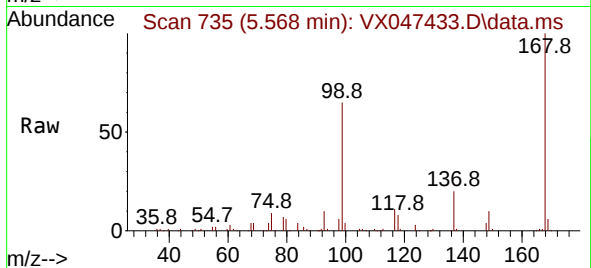
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Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



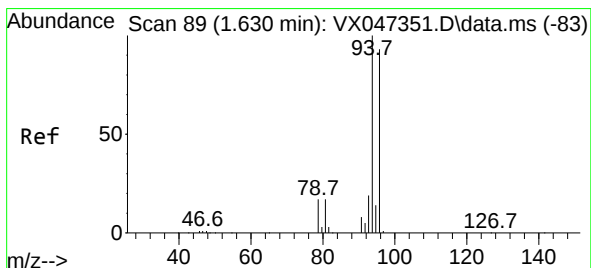
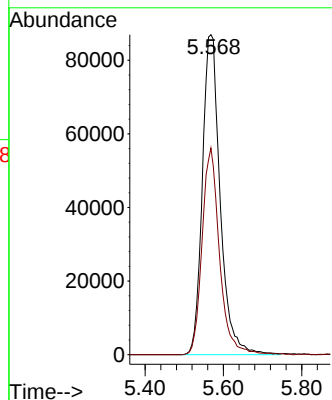
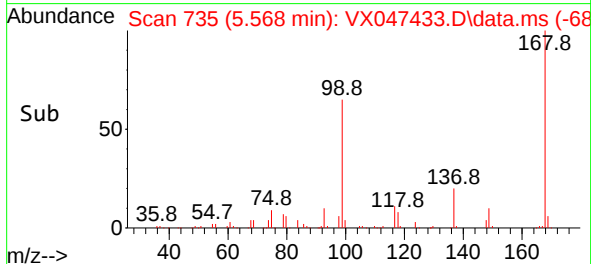


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Instrument :
MSVOA_X
ClientSampleId :
TW-11M-S

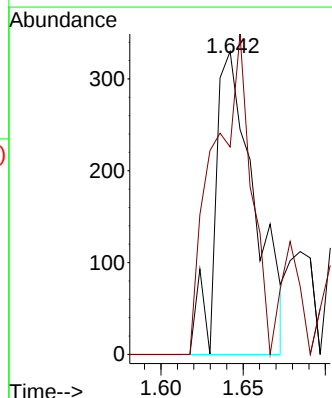
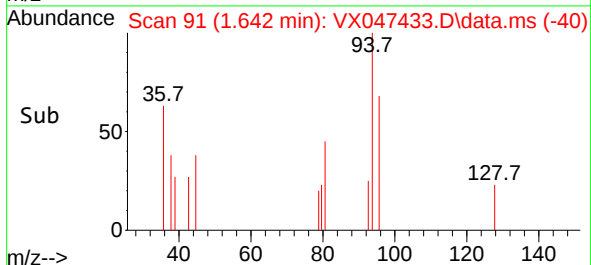
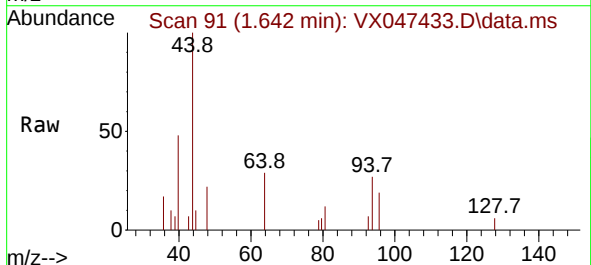


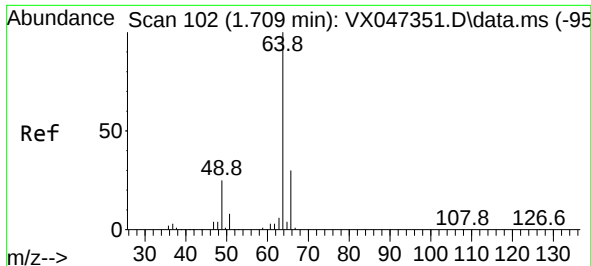
Tgt Ion:168 Resp: 275255
Ion Ratio Lower Upper
168 100
99 64.6 47.9 71.9



#5
Bromomethane
Concen: 0.343 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion: 94 Resp: 549
Ion Ratio Lower Upper
94 100
96 68.5 74.7 112.1#

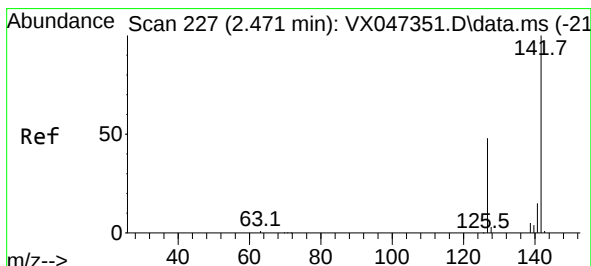
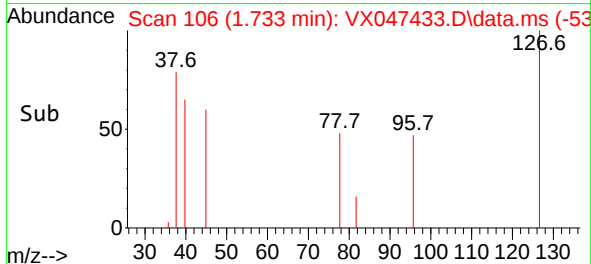
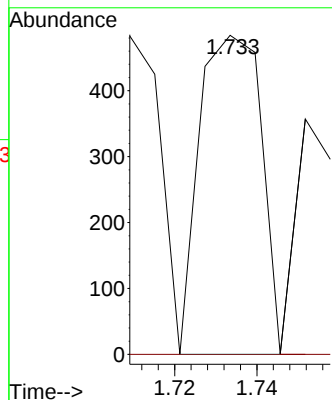
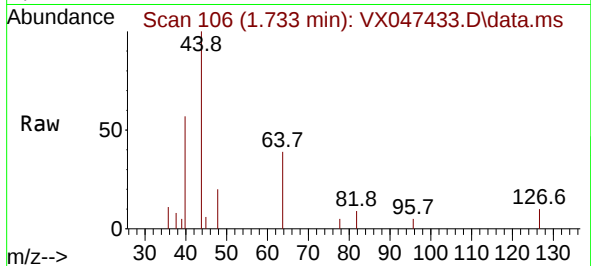




#6
Chloroethane
Concen: 0.208 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.025 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

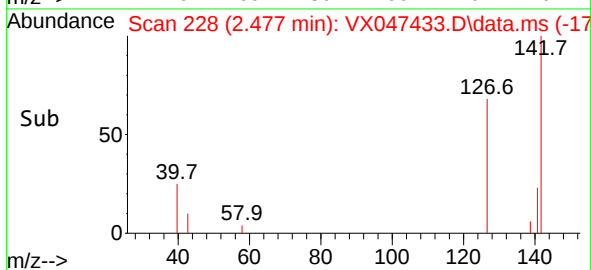
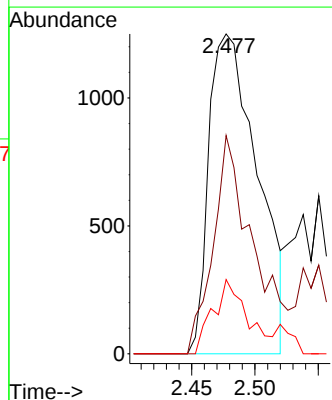
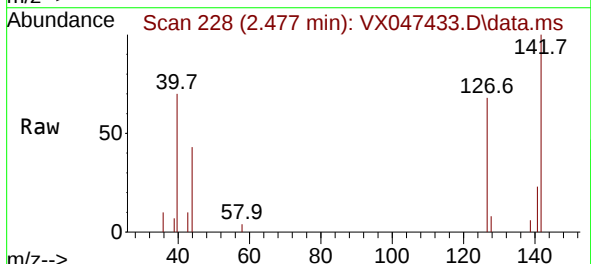
Instrument :
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ClientSampleId :
TW-11M-S

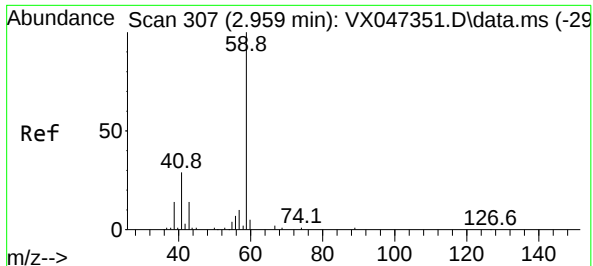
Tgt Ion: 64 Resp: 504
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.575 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion:142 Resp: 3352
Ion Ratio Lower Upper
142 100
127 56.1 36.1 54.1#
141 16.6 11.1 16.7

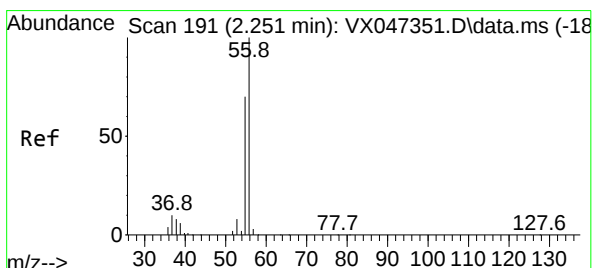
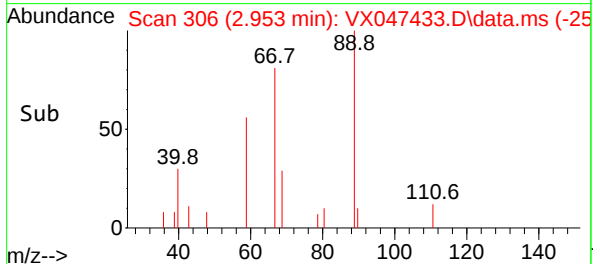
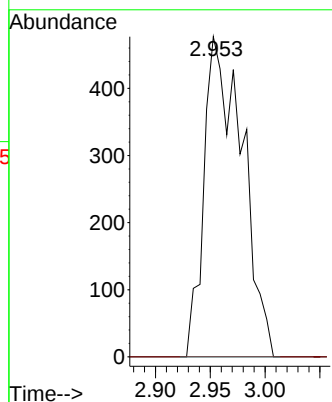
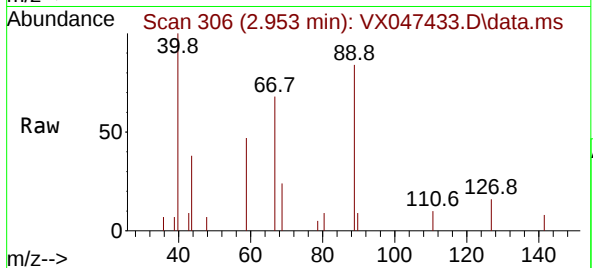




#11
Tert butyl alcohol
Concen: 3.438 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

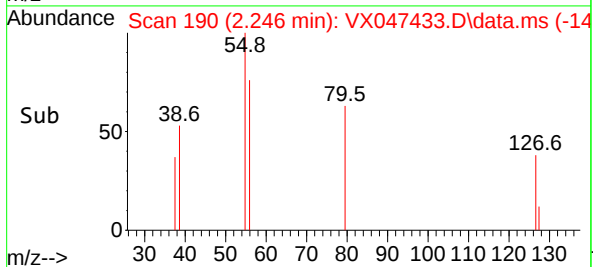
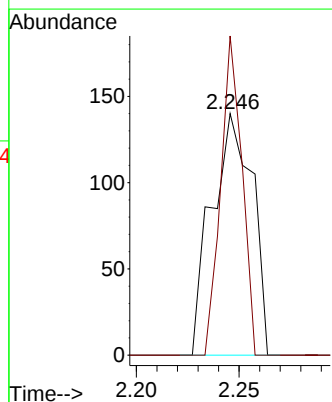
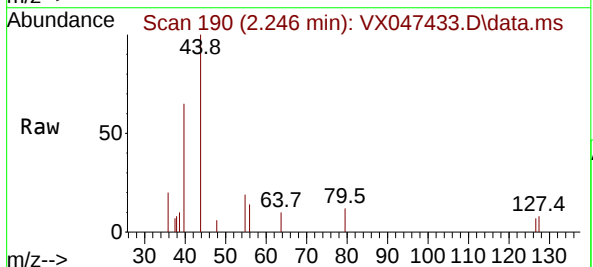
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-S

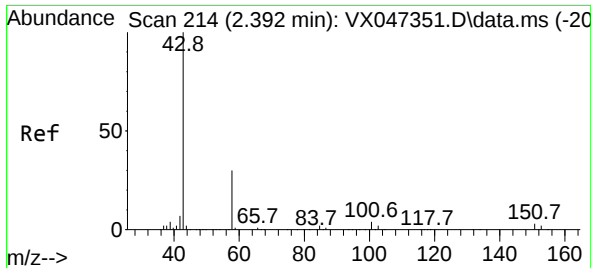
Tgt Ion: 59 Resp: 1152
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.271 ug/l
RT: 2.246 min Scan# 190
Delta R.T. -0.006 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 68.8 55.5 83.3

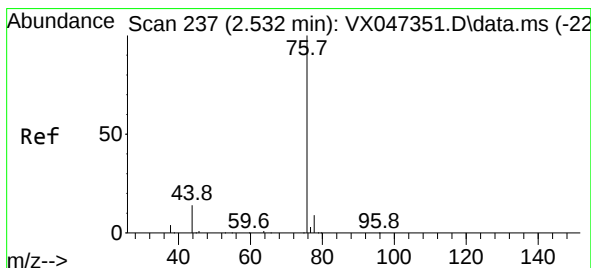
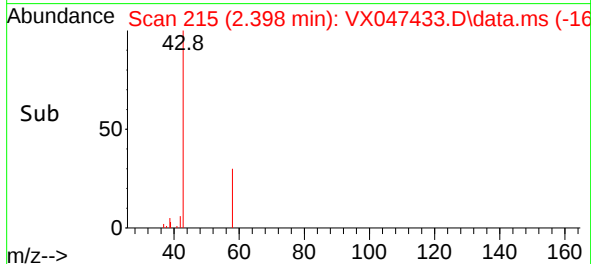
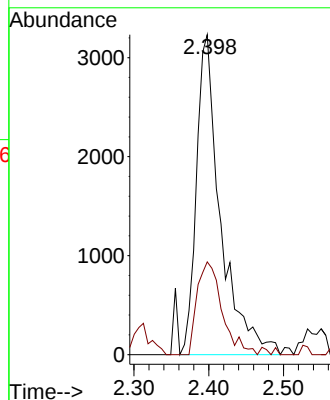
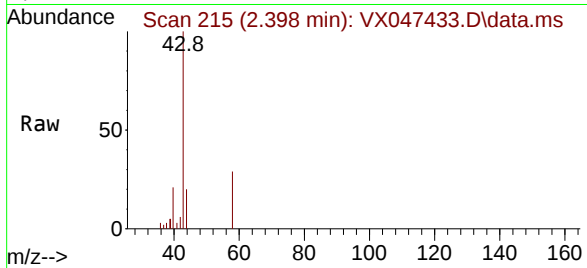




#16
Acetone
Concen: 4.985 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

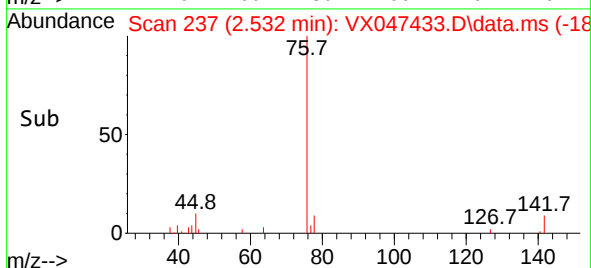
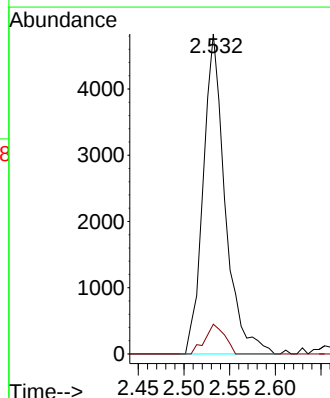
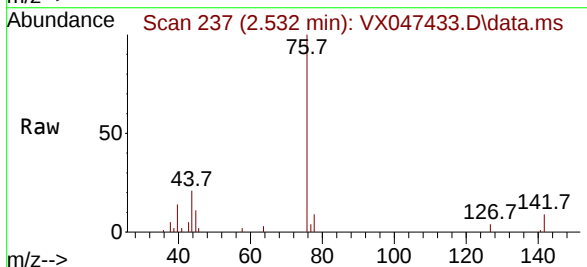
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-S

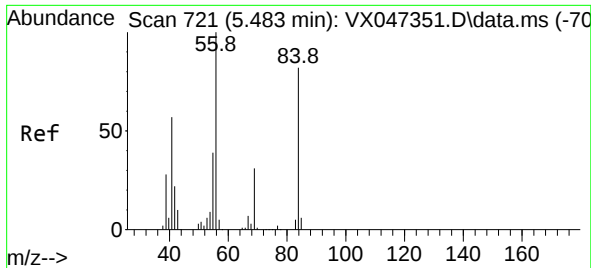
Tgt Ion: 43 Resp: 7219
Ion Ratio Lower Upper
43 100
58 29.0 24.8 37.2



#17
Carbon Disulfide
Concen: 0.770 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion: 76 Resp: 8056
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

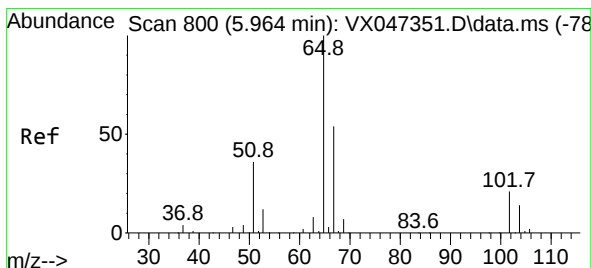
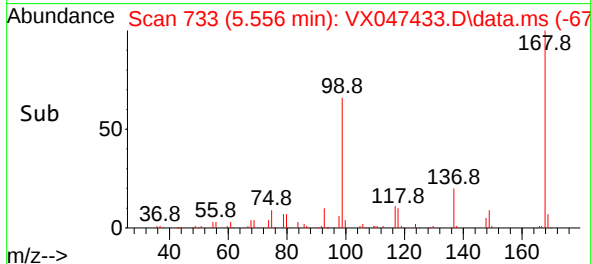
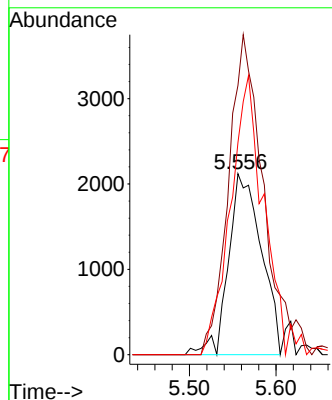
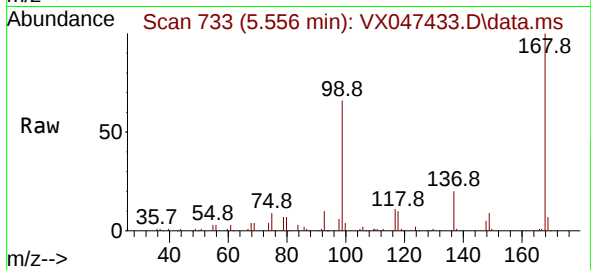




#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

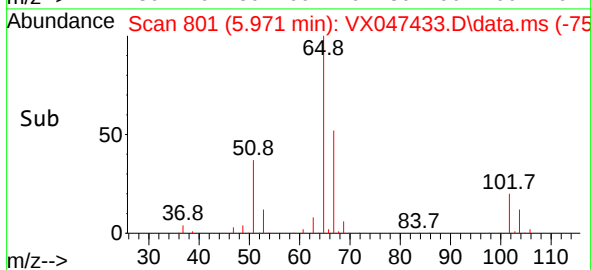
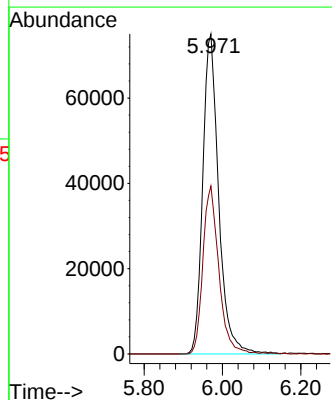
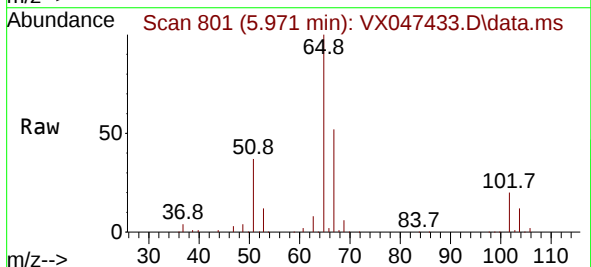
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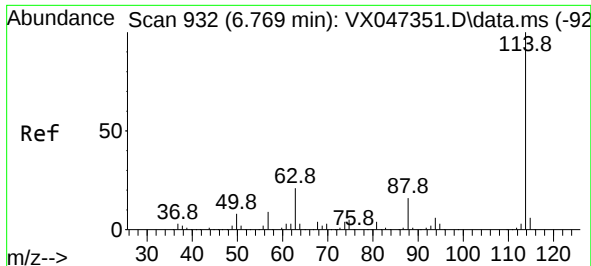
Tgt Ion: 56 Resp: 5585
Ion Ratio Lower Upper
56 100
69 148.8 24.3 36.5#
84 117.3 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 54.922 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion: 65 Resp: 211576
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.0

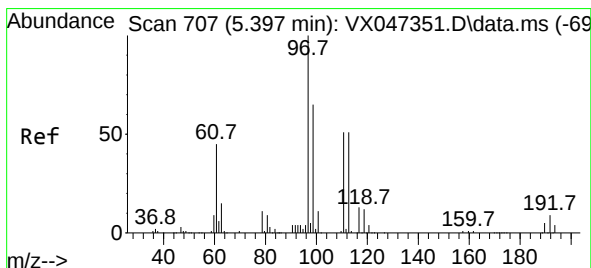
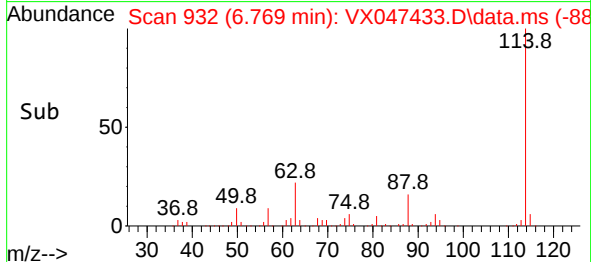
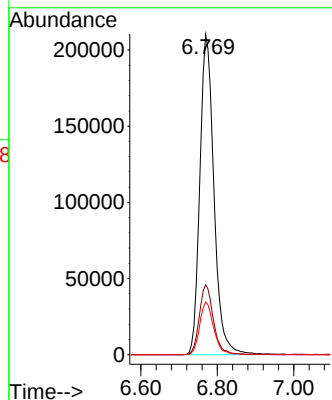
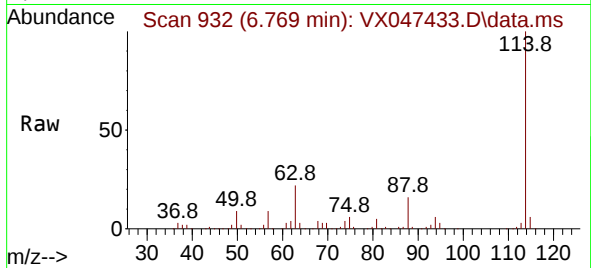




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

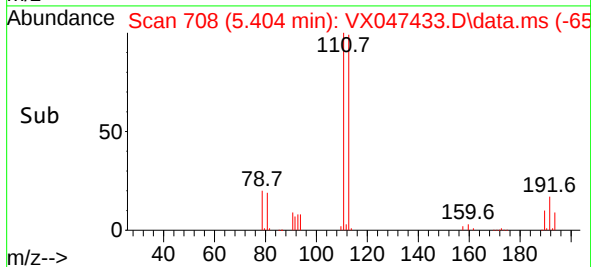
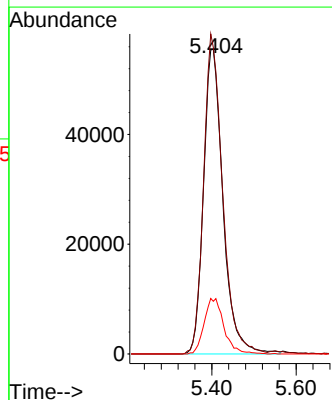
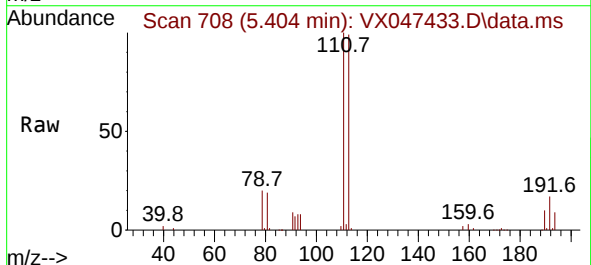
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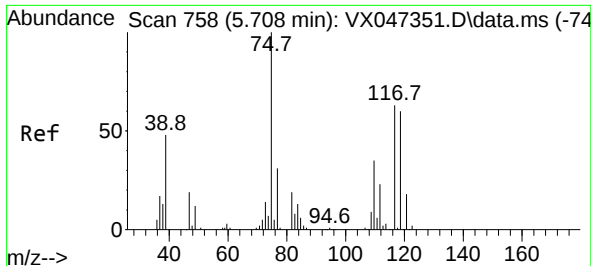
Tgt Ion:114 Resp: 538445
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.4
88 16.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.141 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion:113 Resp: 178714
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.2
192 18.5 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.206 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047433.D

Acq: 20 Aug 2025 11:49

Instrument :

MSVOA_X

ClientSampleId :

TW-11M-S

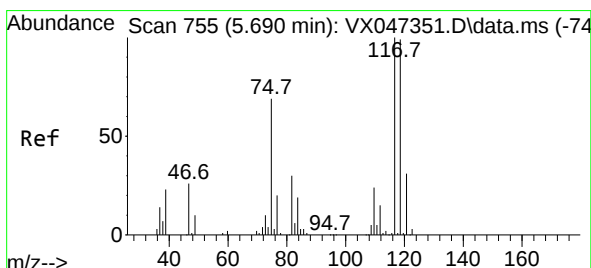
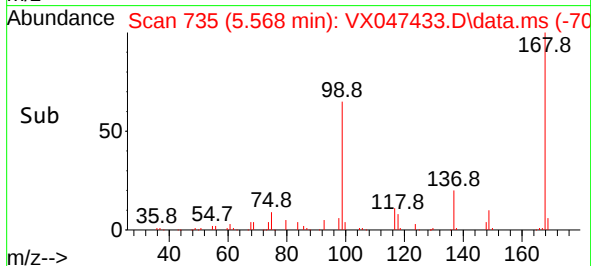
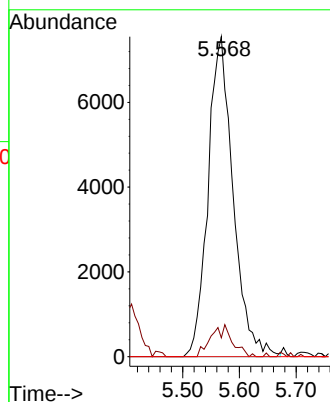
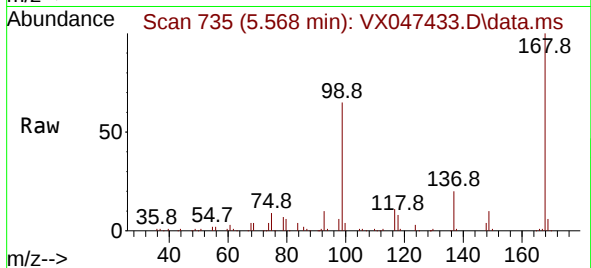
Tgt Ion: 75 Resp: 23200

Ion Ratio Lower Upper

75 100

110 4.6 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.945 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX047433.D

Acq: 20 Aug 2025 11:49

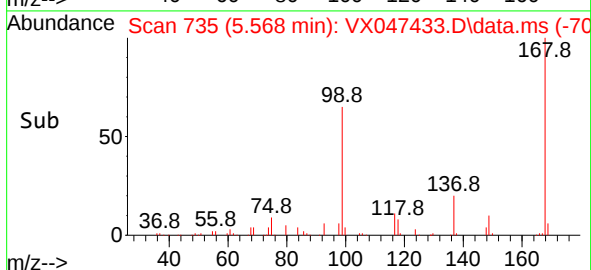
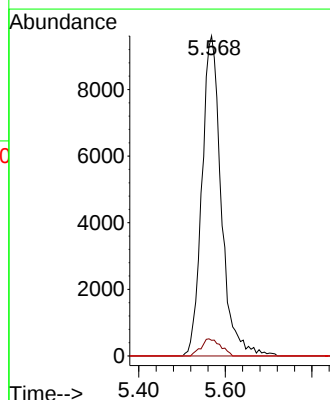
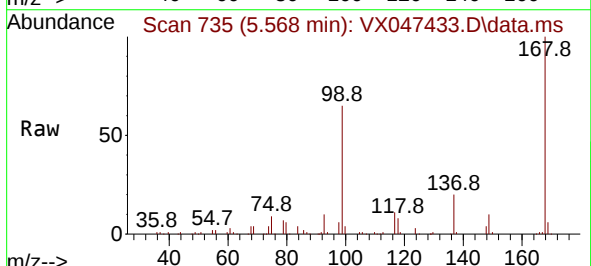
Tgt Ion: 117 Resp: 29807

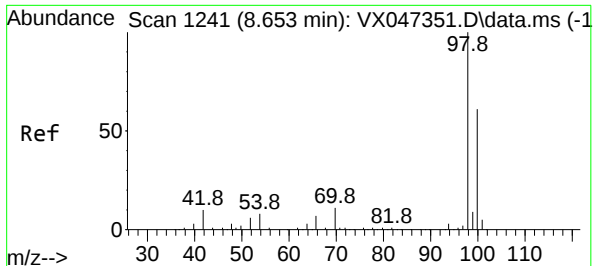
Ion Ratio Lower Upper

117 100

119 4.9 78.5 117.7#

121 0.0 24.7 37.1#

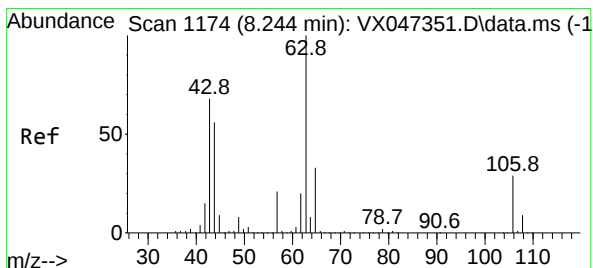
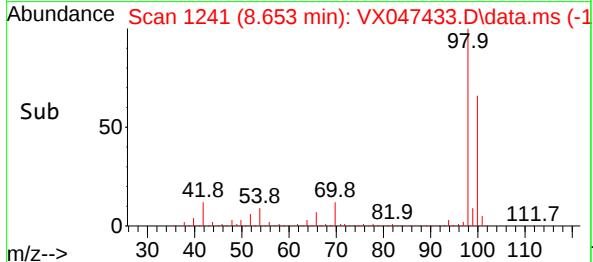
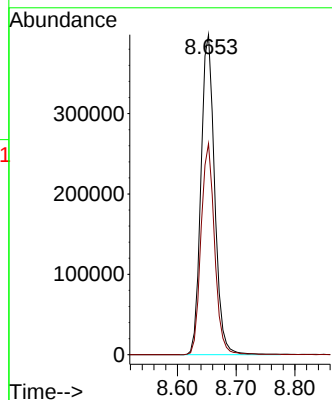
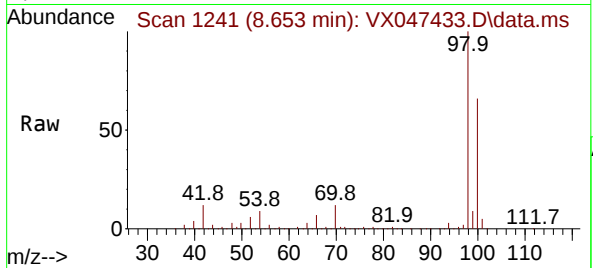




#50
Toluene-d8
Concen: 51.368 ug/l
RT: 8.653 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

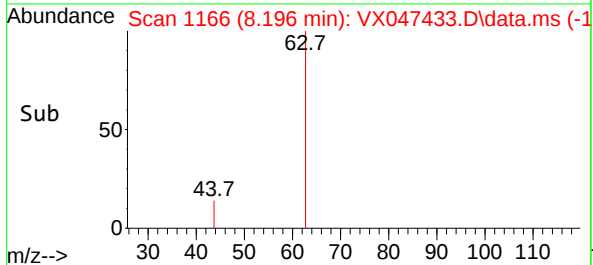
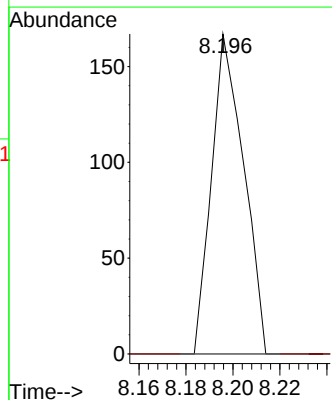
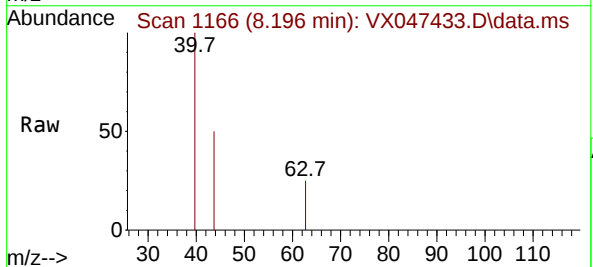
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-S

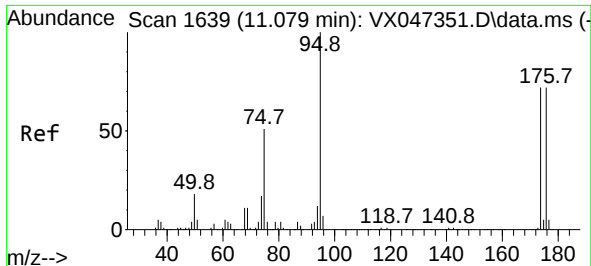
Tgt Ion: 98 Resp: 641607
Ion Ratio Lower Upper
98 100
100 65.5 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.411 ug/l
RT: 8.196 min Scan# 1166
Delta R.T. -0.049 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion: 63 Resp: 158
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#

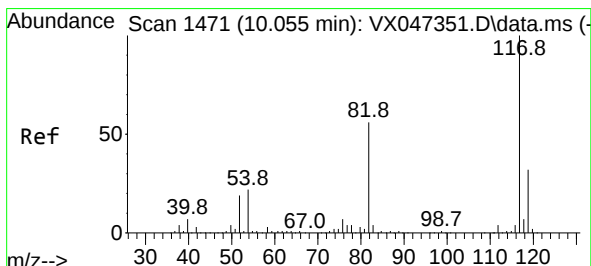
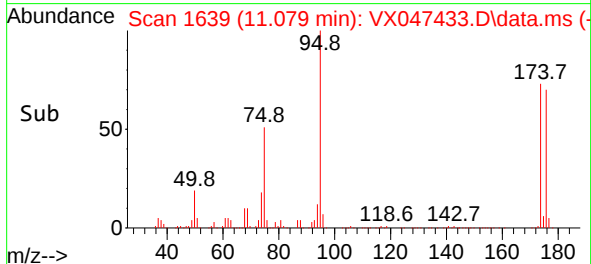
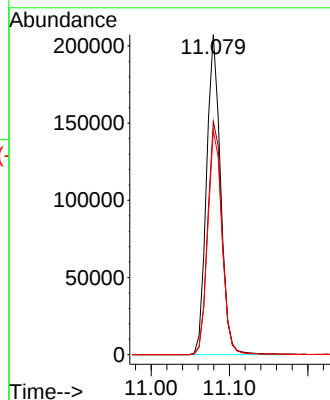
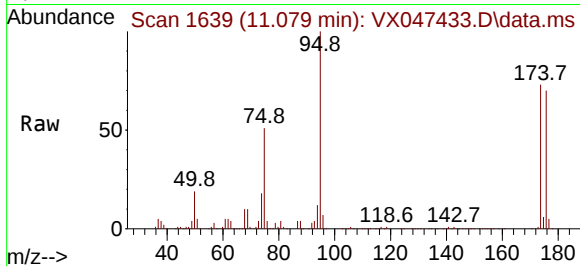




#62
4-Bromofluorobenzene
Concen: 55.695 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

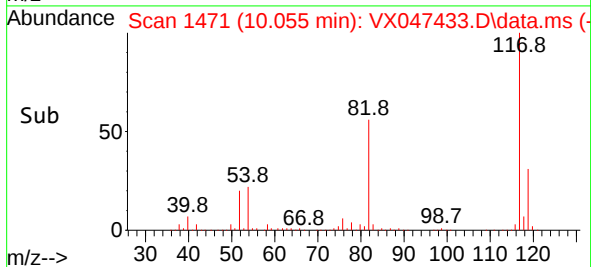
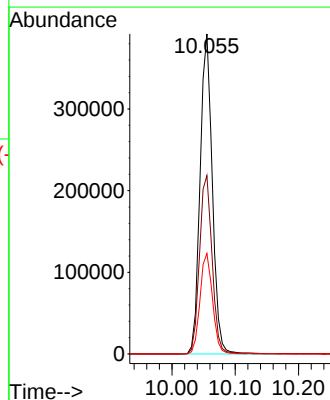
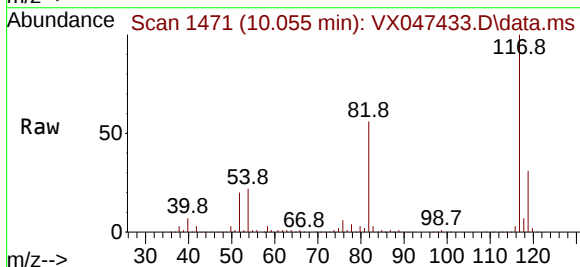
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-S

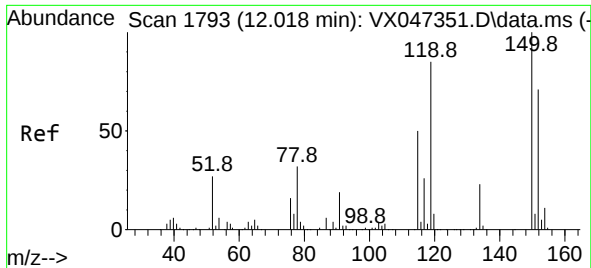
Tgt Ion: 95 Resp: 256712
Ion Ratio Lower Upper
95 100
174 75.3 0.0 148.0
176 71.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion: 117 Resp: 528308
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.4
119 31.4 25.8 38.8

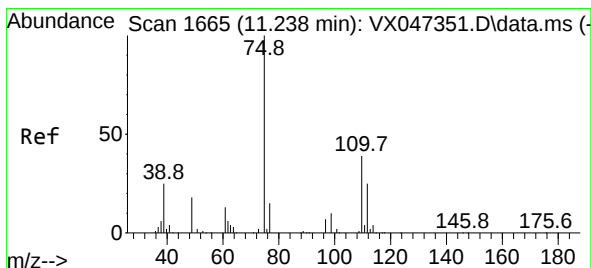
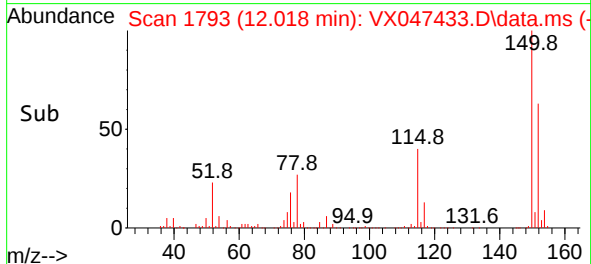
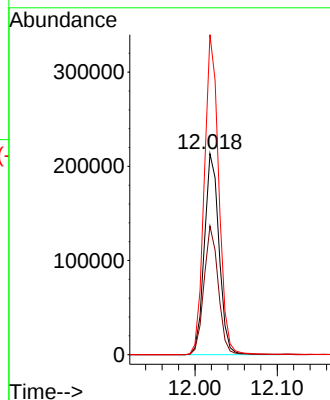
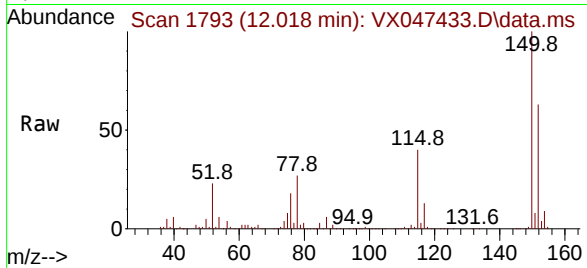




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX047433.D
 Acq: 20 Aug 2025 11:49

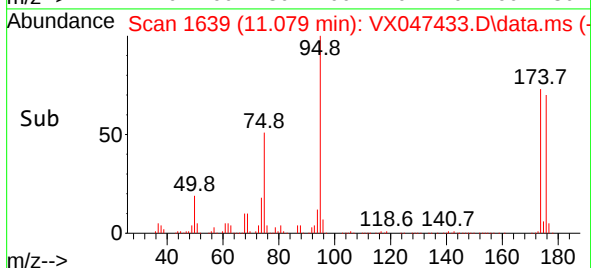
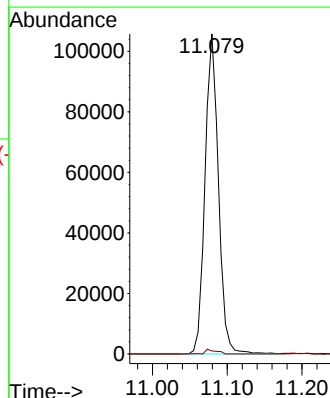
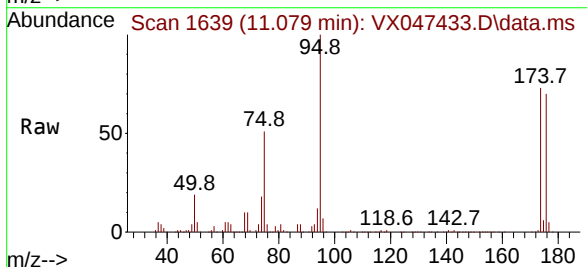
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-11M-S

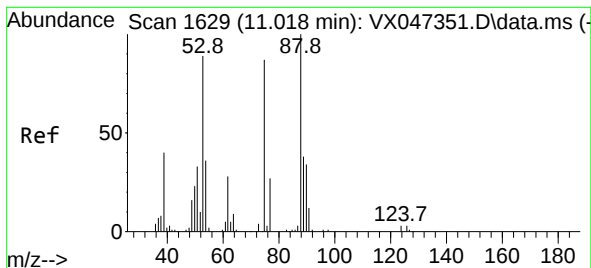
Tgt Ion:152 Resp: 264520
 Ion Ratio Lower Upper
 152 100
 115 62.5 44.6 133.8
 150 157.2 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 27.168 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047433.D
 Acq: 20 Aug 2025 11:49

Tgt Ion: 75 Resp: 131810
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

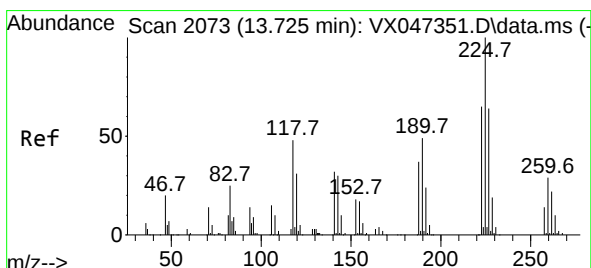
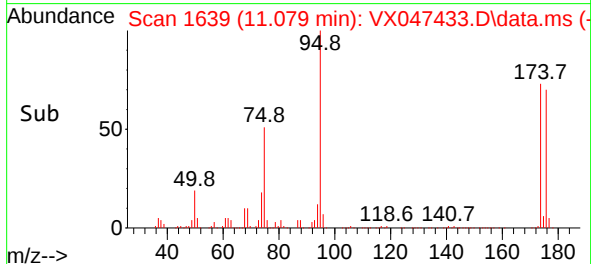
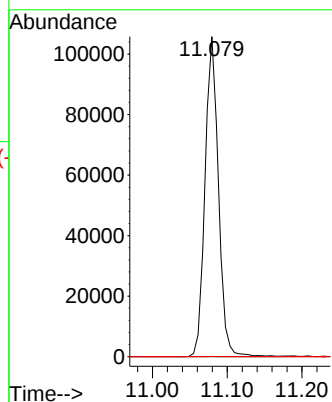
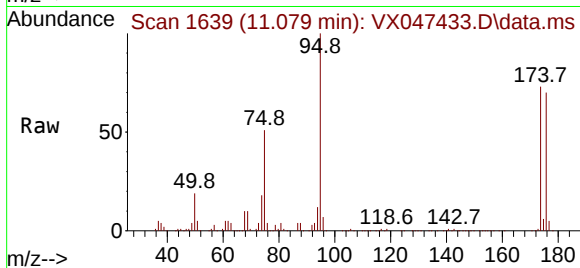




#81
trans-1,4-Dichloro-2-butene
Concen: 107.385 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Instrument :
MSVOA_X
ClientSampleId :
TW-11M-S

Tgt Ion: 75 Resp: 131810
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.251 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047433.D
Acq: 20 Aug 2025 11:49

Tgt Ion: 225 Resp: 548
Ion Ratio Lower Upper
225 100
223 60.9 32.2 96.6
227 77.7 31.6 95.0

