

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080125\
 Data File : VX047212.D
 Acq On : 01 Aug 2025 17:25
 Operator : JC/MD
 Sample : Q2756-01 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 00:28:40 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)

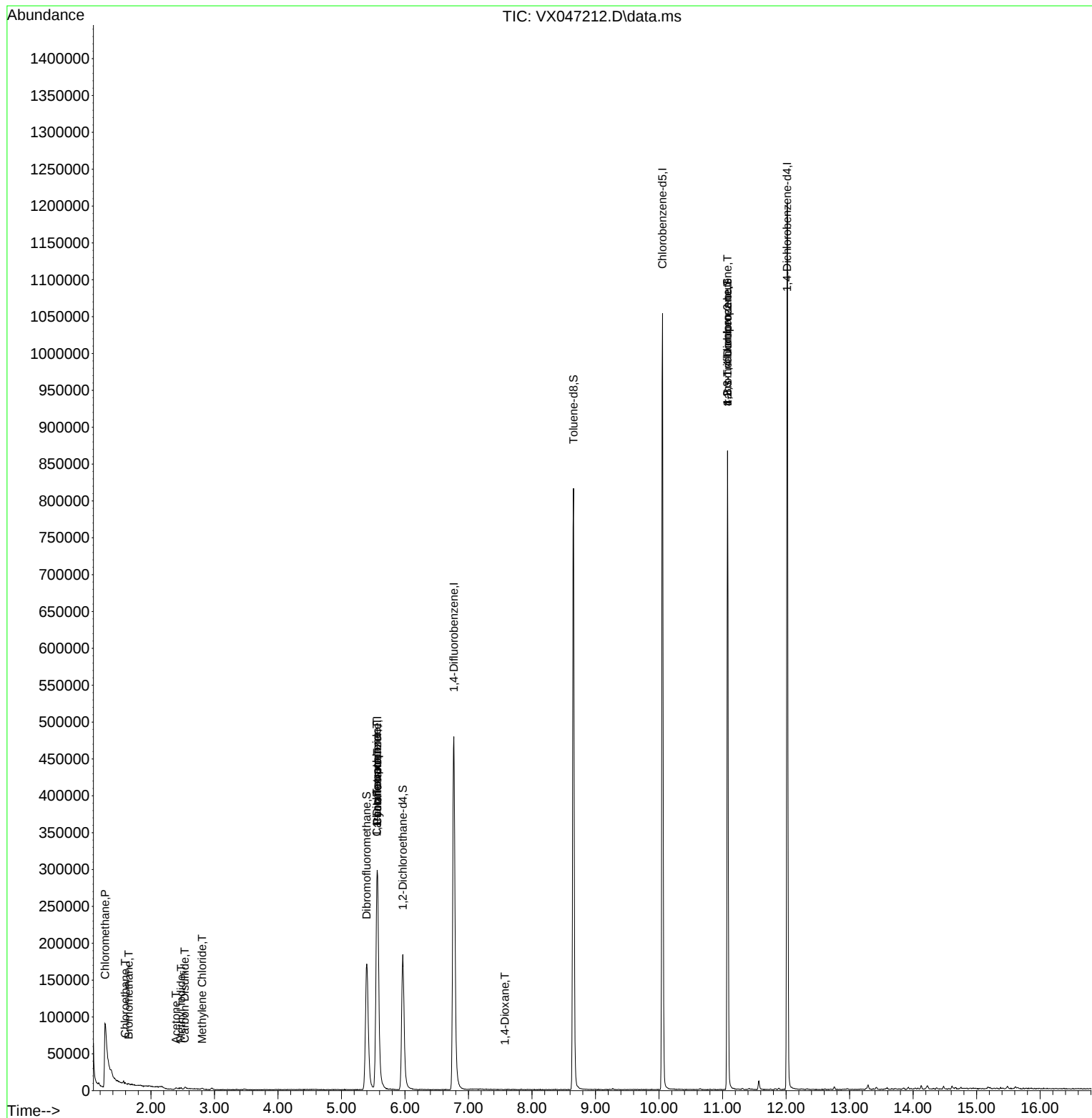
Internal Standards						
1) Pentafluorobenzene	5.562	168	299778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	518779	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	463494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	236082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	191249	51.214	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.420%	
35) Dibromofluoromethane	5.397	113	164788	51.446	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.900%	
50) Toluene-d8	8.653	98	492285	47.457	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.920%	
62) 4-Bromofluorobenzene	11.079	95	231673	51.825	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.276	50	4271	1.084	ug/l #	43
5) Bromomethane	1.648	94	478	0.208	ug/l #	72
6) Chloroethane	1.593	64	2213	0.796	ug/l #	67
10) Methyl Iodide	2.477	142	2654	0.685	ug/l #	75
11) Tert butyl alcohol	2.952	59	728	Below Cal	#	72
16) Acetone	2.392	43	3293	2.201	ug/l #	78
17) Carbon Disulfide	2.532	76	4893	0.449	ug/l #	76
20) Methylene Chloride	2.806	84	1105	0.268	ug/l #	54
31) Cyclohexane	5.562	56	7184	1.029	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	25942	4.751	ug/l #	49
38) Carbon Tetrachloride	5.556	117	32725	5.616	ug/l #	15
49) 1,4-Dioxane	7.574	88	18	0.370	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	120522	27.581	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	120522	71.059	ug/l #	8

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

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MSVOA_X
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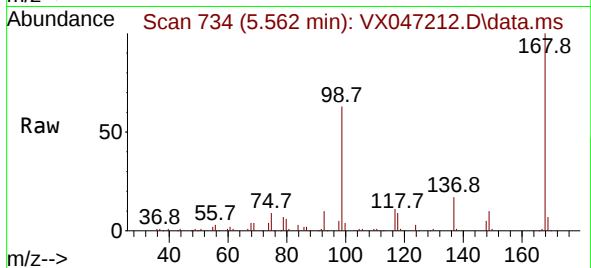
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



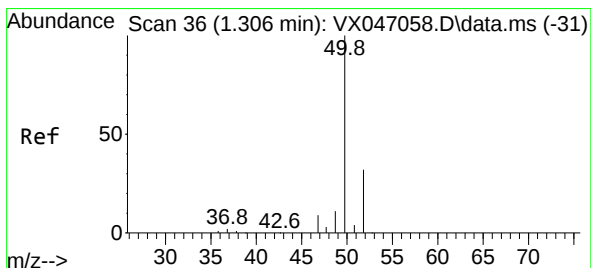
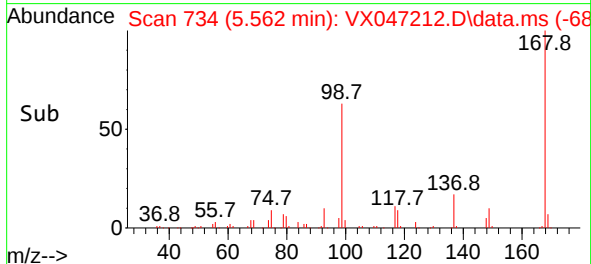
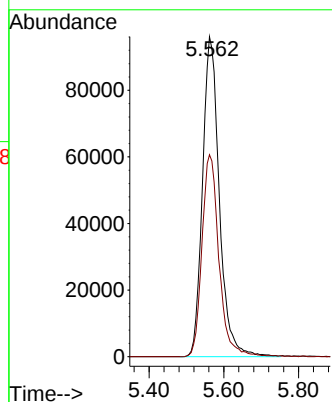


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :

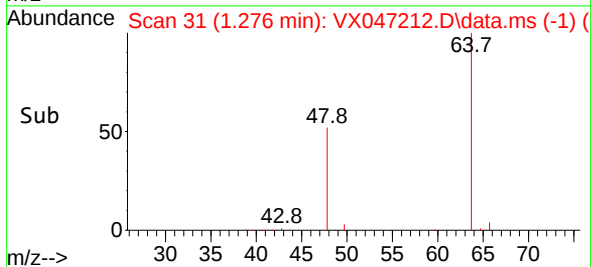
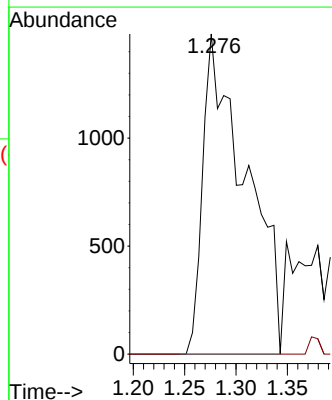
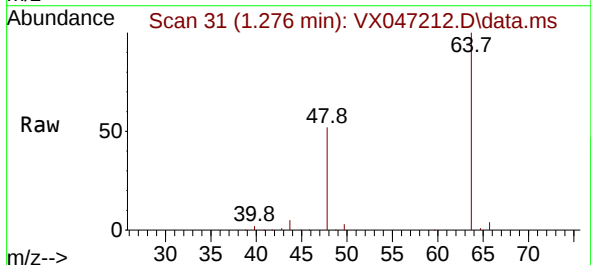


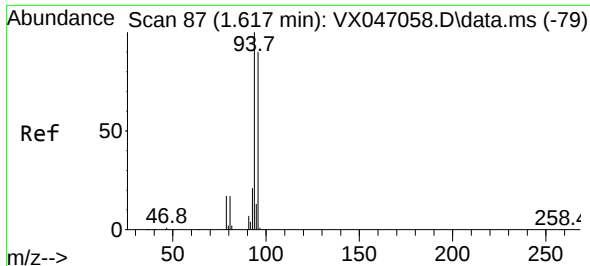
Tgt Ion:168 Resp: 299778
Ion Ratio Lower Upper
168 100
99 63.1 48.0 72.0



#3
Chloromethane
Concen: 1.084 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.030 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Tgt Ion: 50 Resp: 4271
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

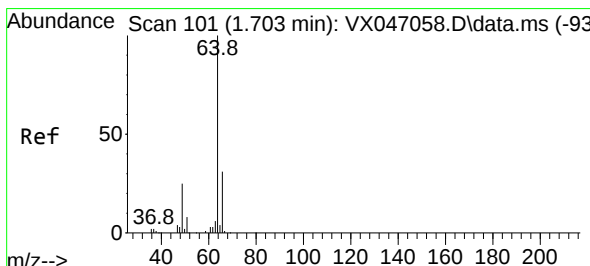
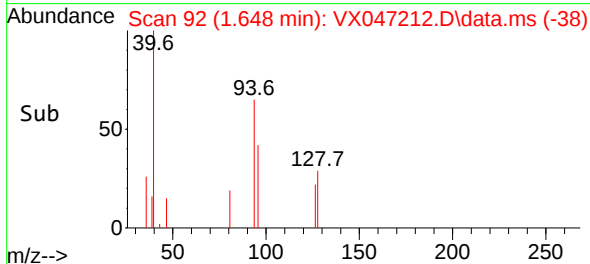
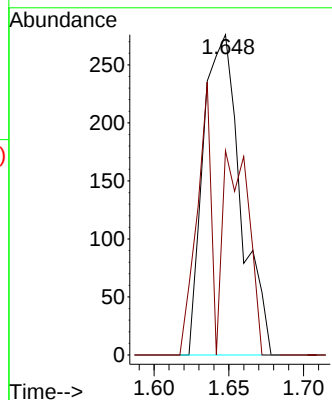
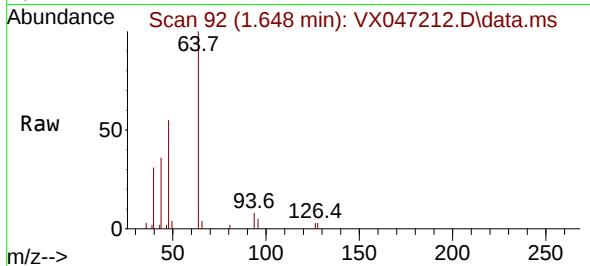




#5
Bromomethane
Concen: 0.208 ug/l
RT: 1.648 min Scan# 91
Delta R.T. 0.031 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

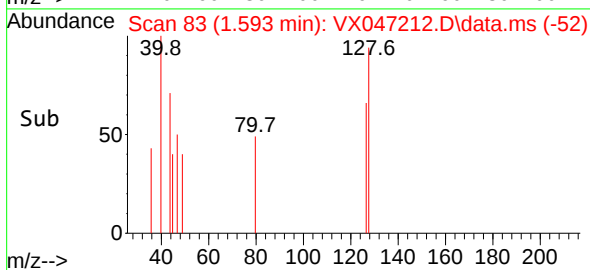
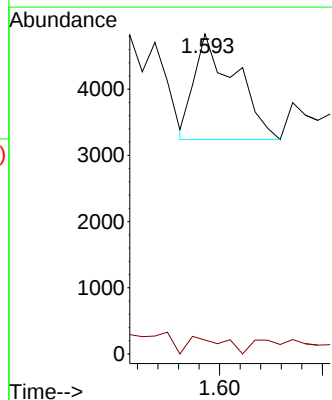
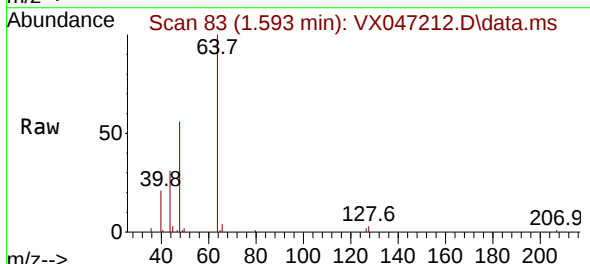
Instrument :
MSVOA_X
ClientSampleId :

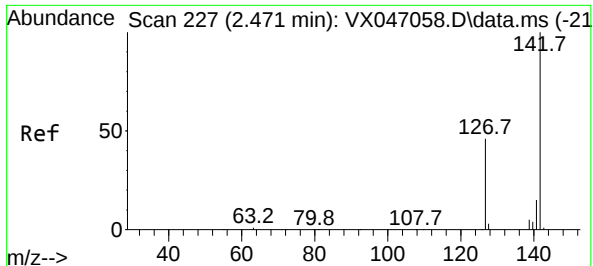
Tgt Ion: 94 Resp: 478
Ion Ratio Lower Upper
94 100
96 63.8 72.3 108.5#



#6
Chloroethane
Concen: 0.796 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.110 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

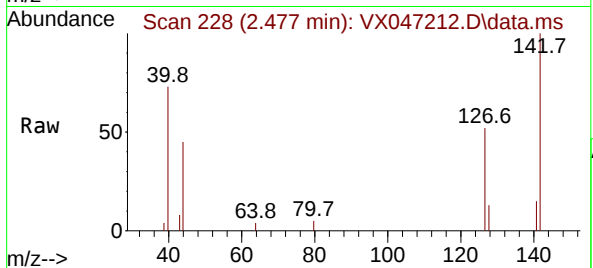
Tgt Ion: 64 Resp: 2213
Ion Ratio Lower Upper
64 100
66 13.2 25.0 37.6#



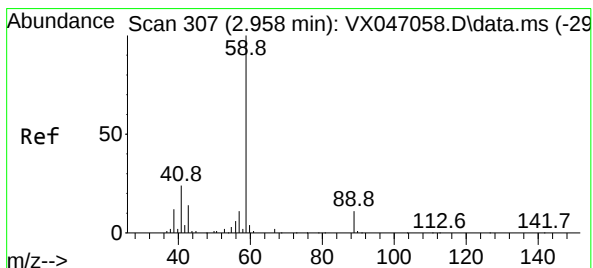
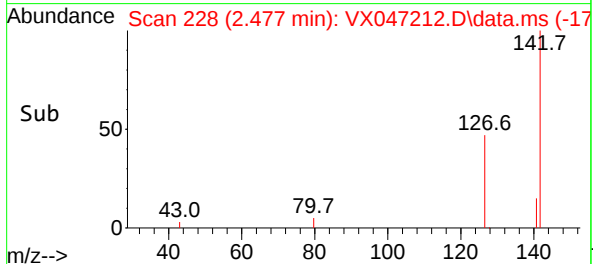
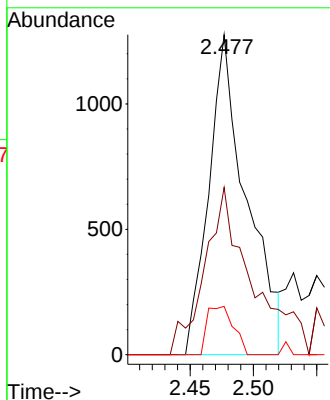


#10
Methyl Iodide
Concen: 0.685 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :

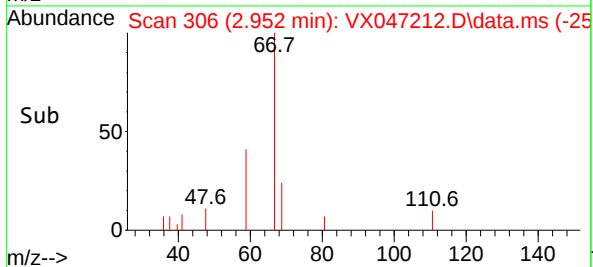
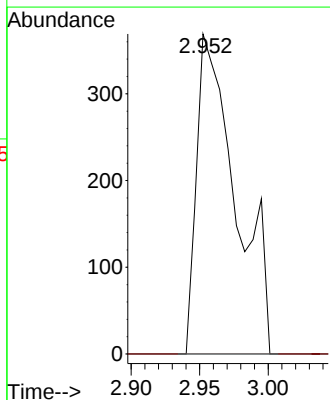
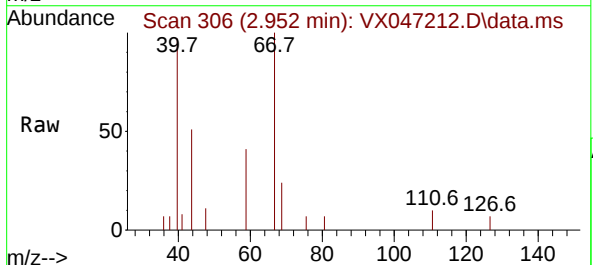


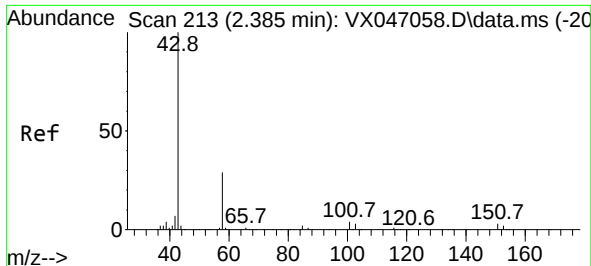
Tgt Ion:142 Resp: 2654
Ion Ratio Lower Upper
142 100
127 65.5 36.6 54.8#
141 10.5 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.952 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Tgt Ion: 59 Resp: 728
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

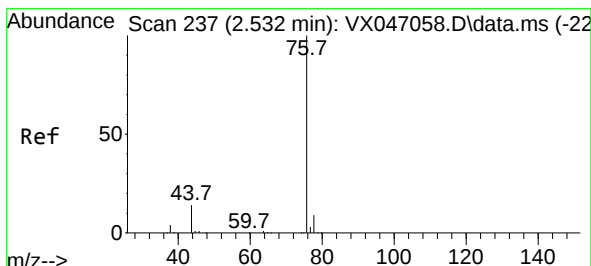
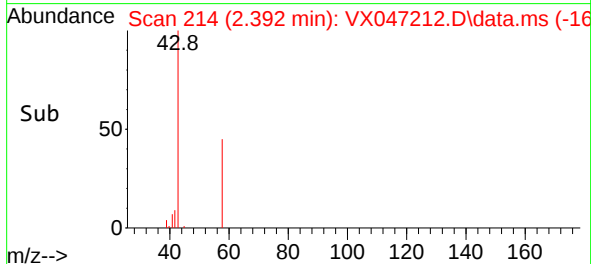
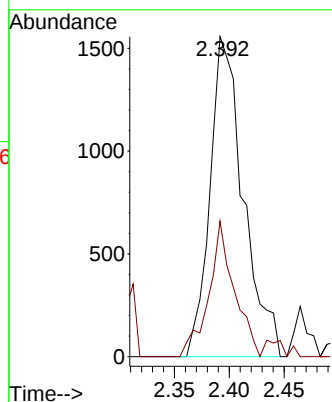
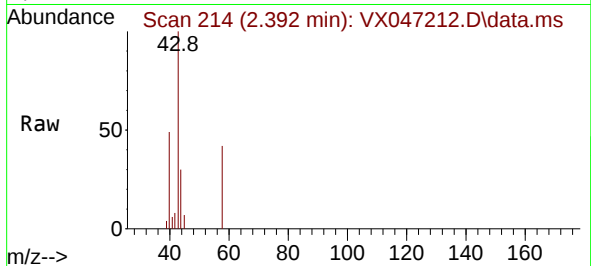




#16
Acetone
Concen: 2.201 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

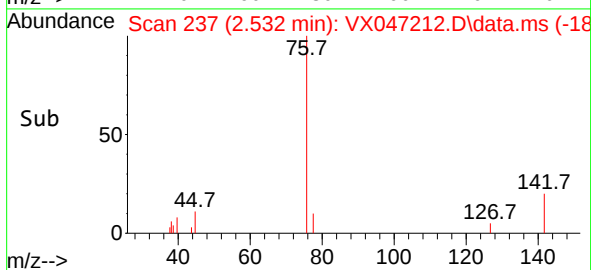
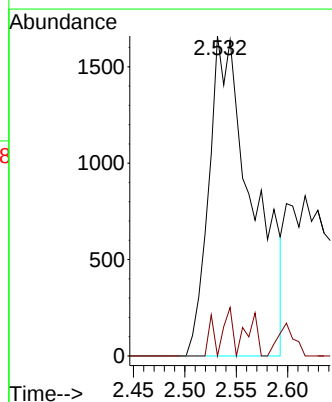
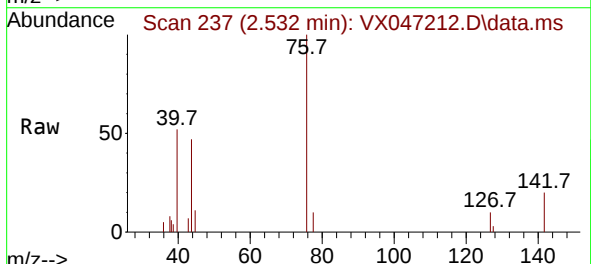
Instrument :
MSVOA_X
ClientSampleId :

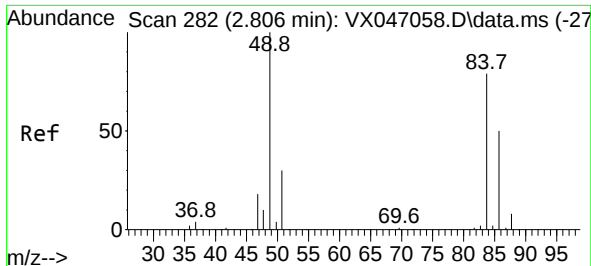
Tgt Ion: 43 Resp: 3293
Ion Ratio Lower Upper
43 100
58 42.2 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.449 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

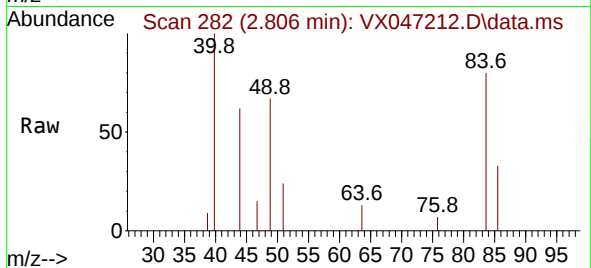
Tgt Ion: 76 Resp: 4893
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



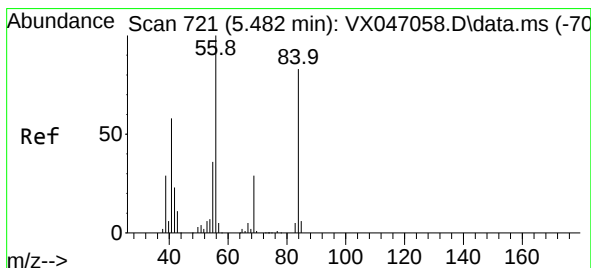
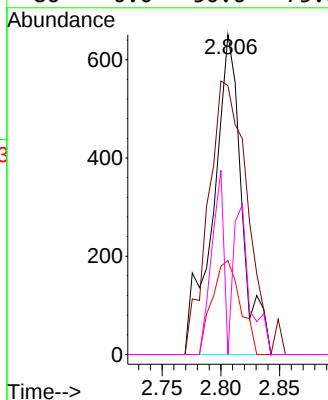
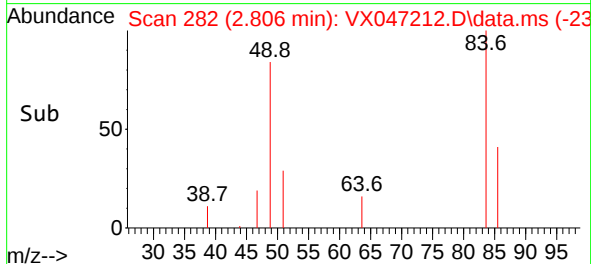


#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.806 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

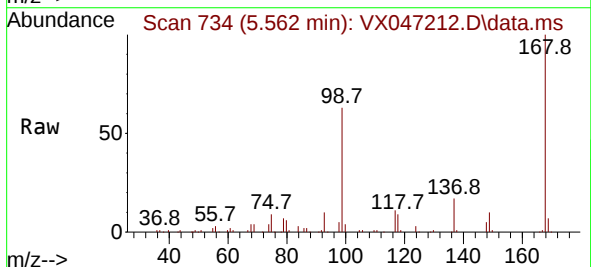
Instrument :
MSVOA_X
ClientSampleId :



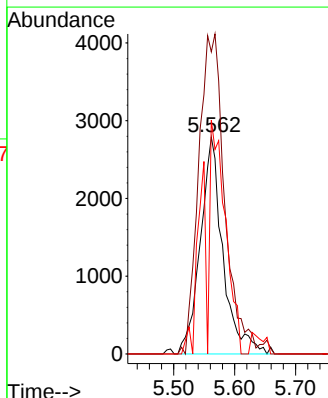
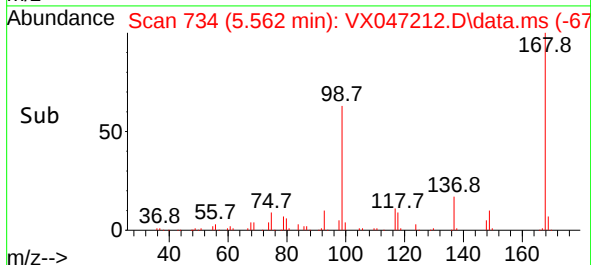
Tgt Ion:	84	Resp:	1105
Ion	Ratio	Lower	Upper
84	100		
49	84.0	101.6	152.4#
51	29.3	30.3	45.5#
86	0.0	50.6	75.8#

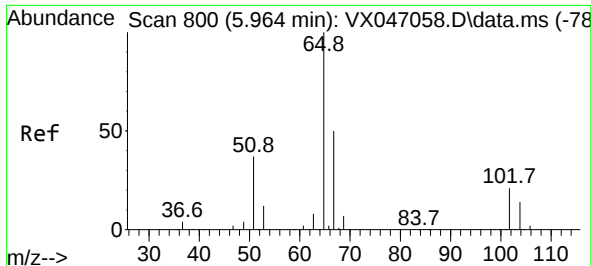


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25



Tgt Ion:	56	Resp:	7184
Ion	Ratio	Lower	Upper
56	100		
69	139.3	23.3	34.9#
84	107.9	66.5	99.7#

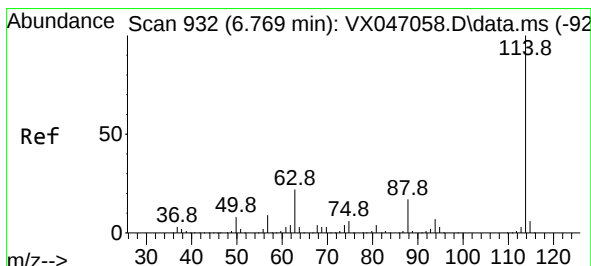
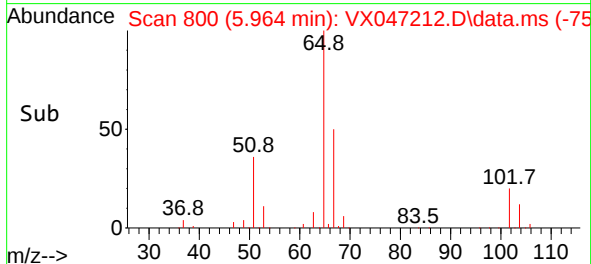
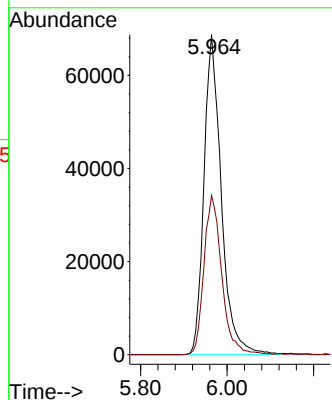
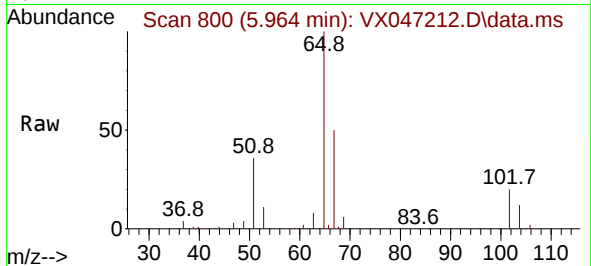




#33
 1,2-Dichloroethane-d4
 Concen: 51.214 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047212.D
 Acq: 01 Aug 2025 17:25

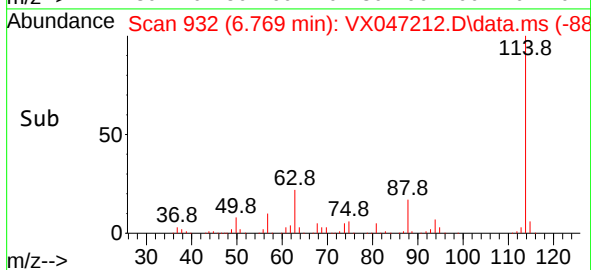
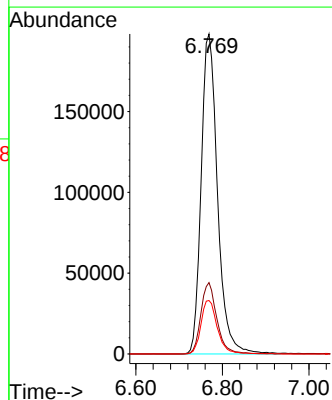
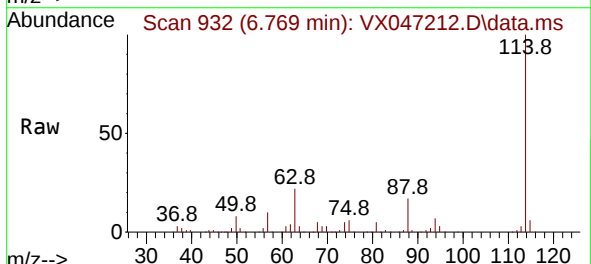
Instrument :
 MSVOA_X
 ClientSampleId :

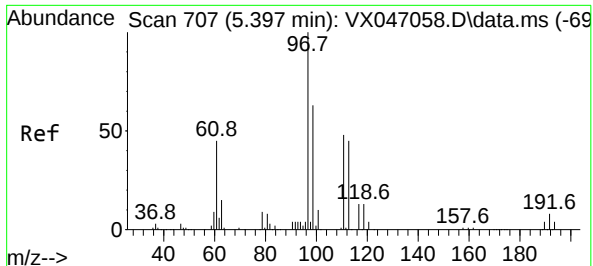
Tgt Ion: 65 Resp: 191249
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047212.D
 Acq: 01 Aug 2025 17:25

Tgt Ion: 114 Resp: 518779
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.446 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

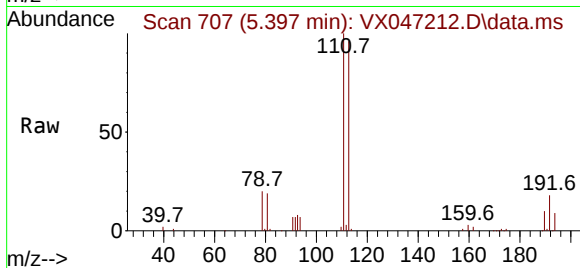
Lab File: VX047212.D

Acq: 01 Aug 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :



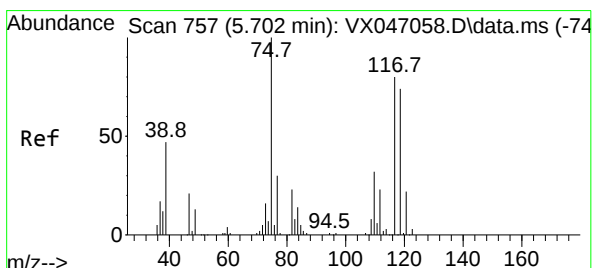
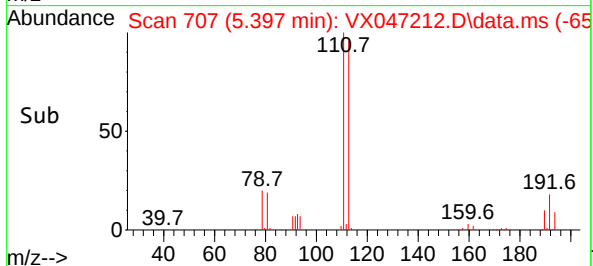
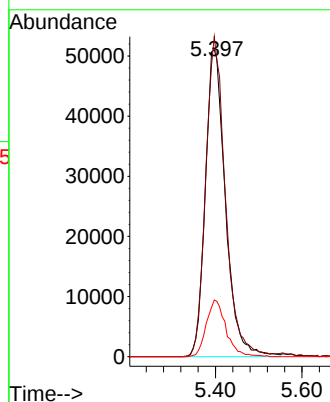
Tgt Ion:113 Resp: 164788

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 18.1 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.751 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX047212.D

Acq: 01 Aug 2025 17:25

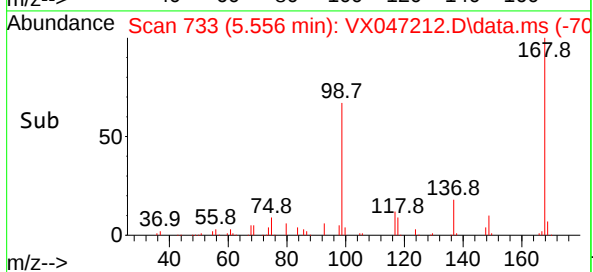
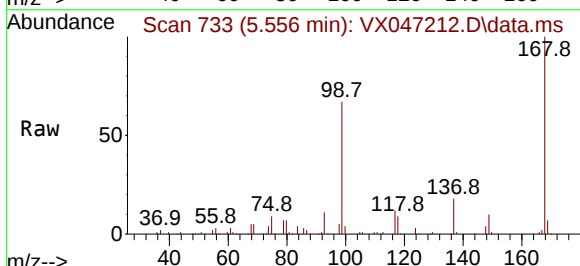
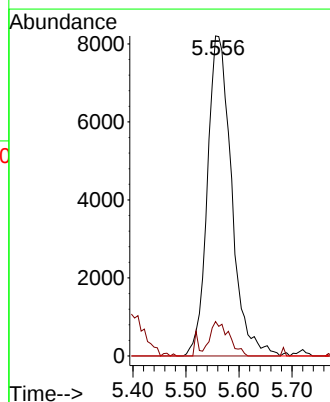
Tgt Ion: 75 Resp: 25942

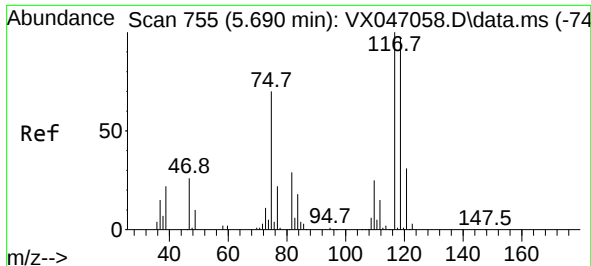
Ion Ratio Lower Upper

75 100

110 8.5 17.2 51.5#

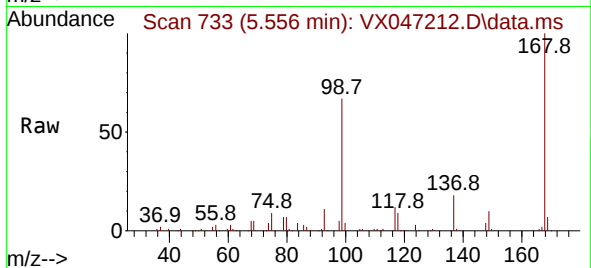
77 0.0 25.1 37.7#



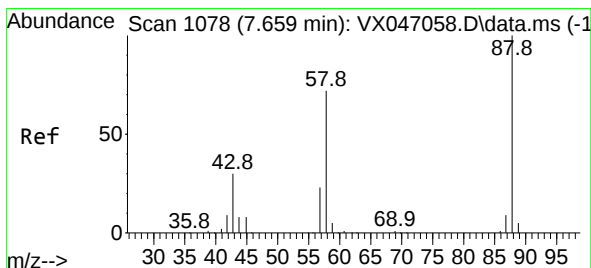
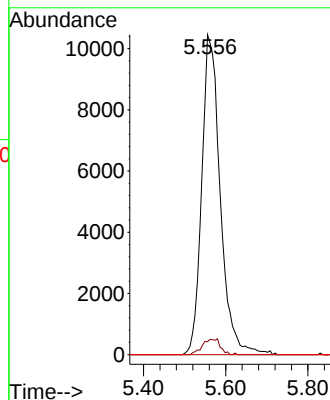
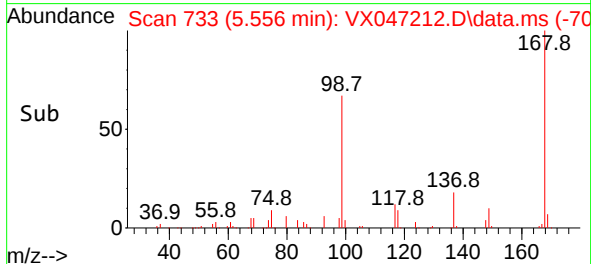


#38
Carbon Tetrachloride
Concen: 5.616 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :

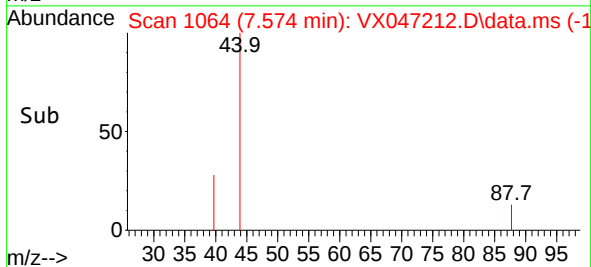
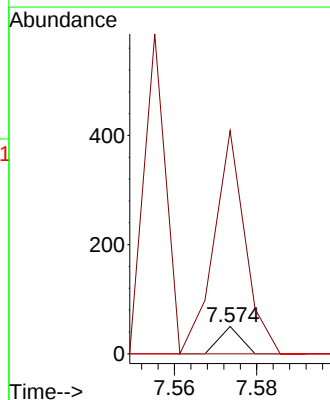
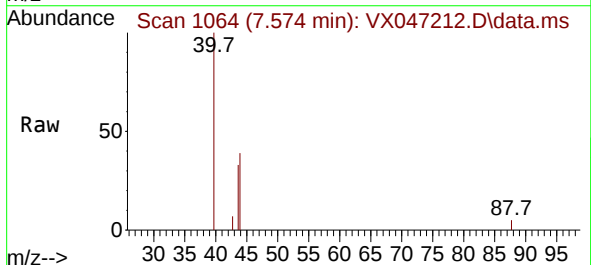


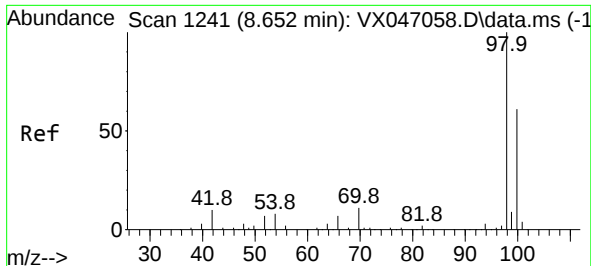
Tgt Ion:117 Resp: 32725
Ion Ratio Lower Upper
117 100
119 4.0 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.370 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.085 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 1000.0 33.6 50.4#
58 0.0 58.8 88.2#

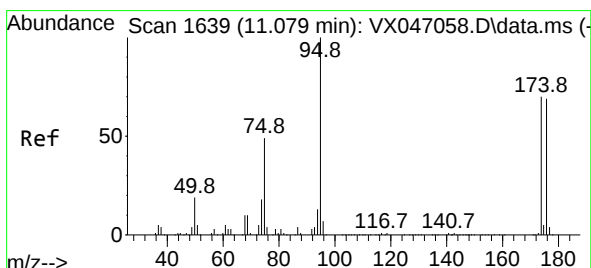
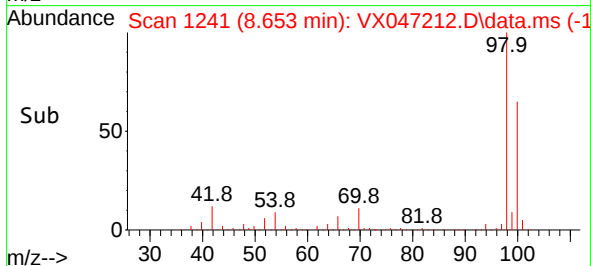
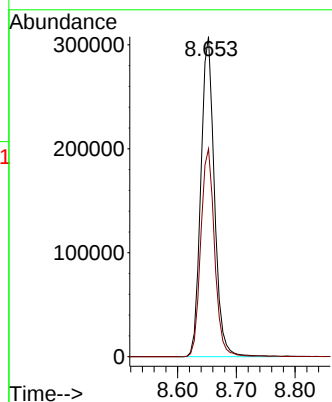
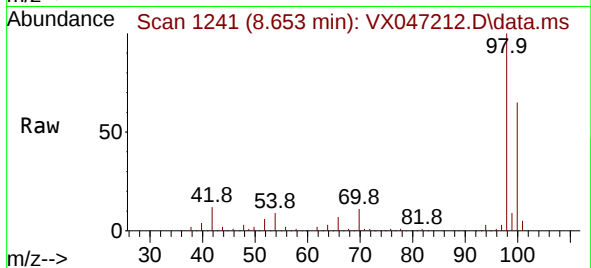




#50
Toluene-d8
Concen: 47.457 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

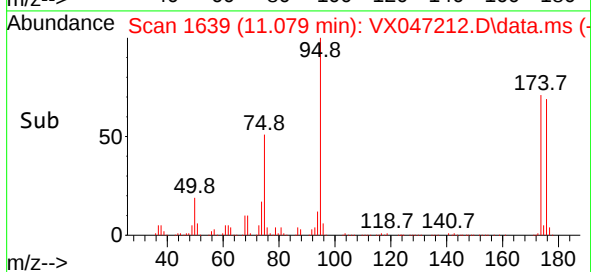
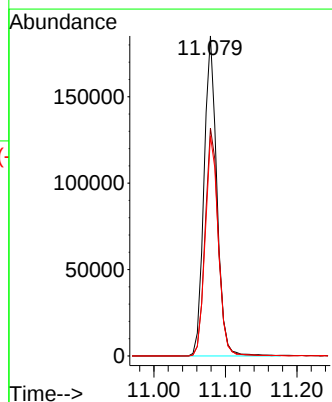
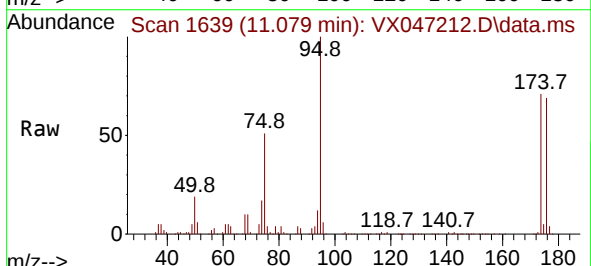
Instrument :
MSVOA_X
ClientSampleId :

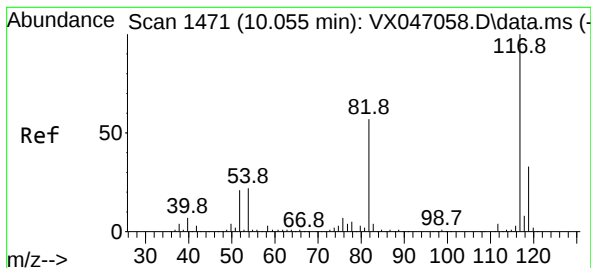
Tgt Ion: 98 Resp: 492285
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 51.825 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Tgt Ion: 95 Resp: 231673
Ion Ratio Lower Upper
95 100
174 72.7 0.0 144.6
176 70.2 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: VX047212.D

Acq: 01 Aug 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

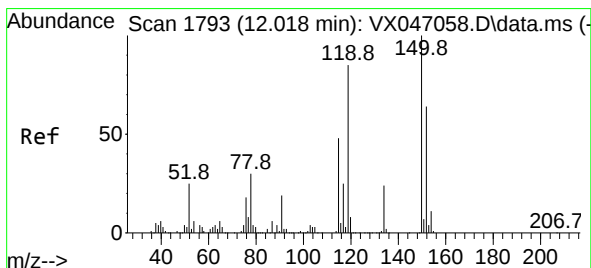
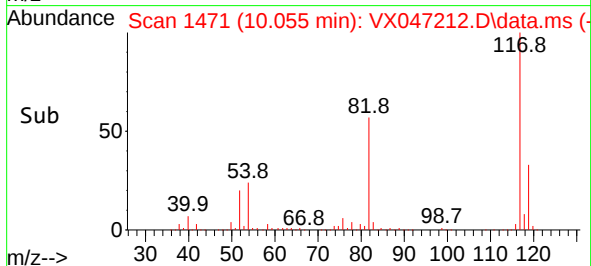
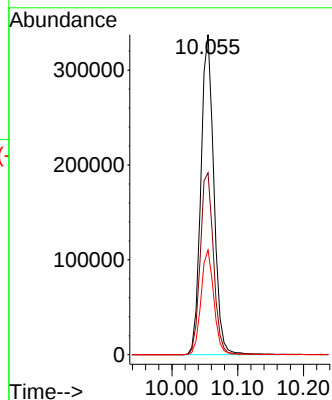
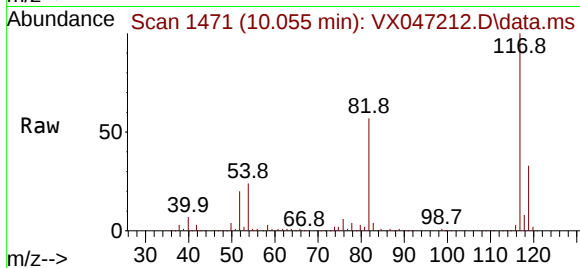
Tgt Ion:117 Resp: 463494

Ion Ratio Lower Upper

117 100

82 56.8 45.4 68.2

119 32.7 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047212.D

Acq: 01 Aug 2025 17:25

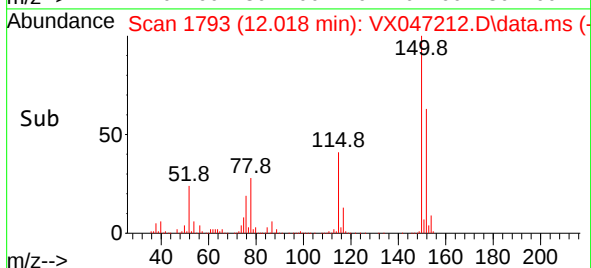
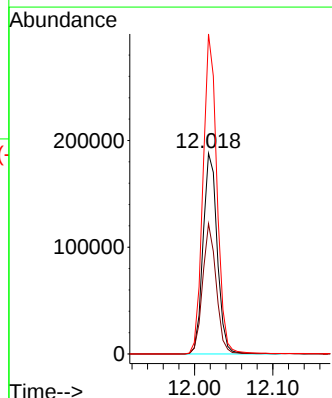
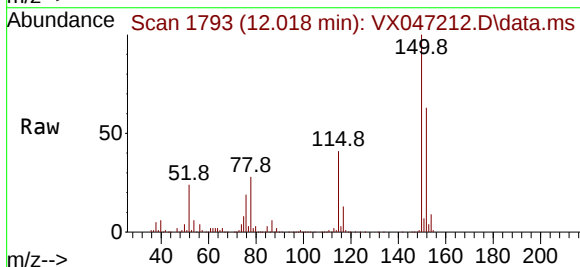
Tgt Ion:152 Resp: 236082

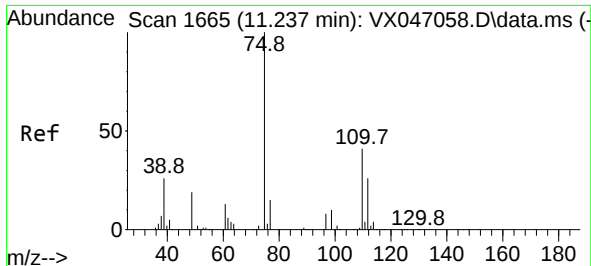
Ion Ratio Lower Upper

152 100

115 62.5 45.6 136.7

150 157.4 0.0 354.6

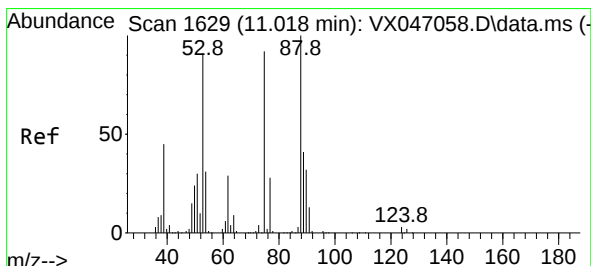
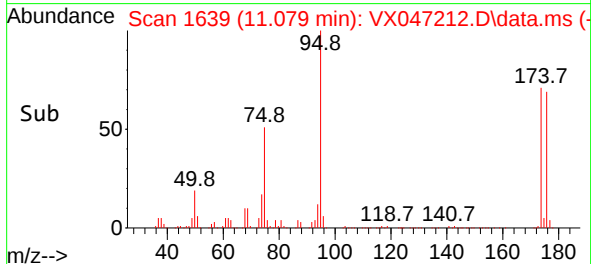
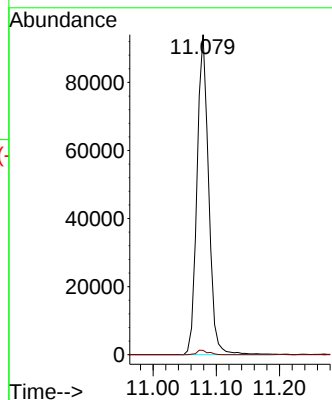
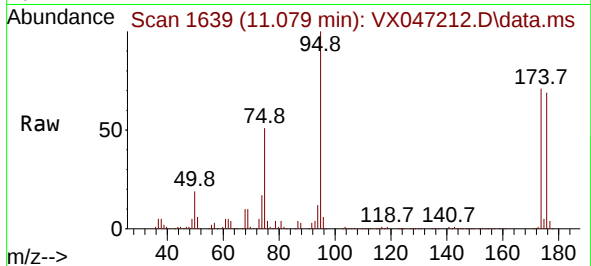




#76
1,2,3-Trichloropropane
Concen: 27.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 120522
Ion Ratio Lower Upper
75 100
77 1.4 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.059 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047212.D
Acq: 01 Aug 2025 17:25

Tgt Ion: 75 Resp: 120522
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

