

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
 Data File : VX047256.D
 Acq On : 07 Aug 2025 12:45
 Operator : JC/MD
 Sample : Q2790-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 250806062-03 Trip blank

Quant Time: Aug 08 02:42:45 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	268300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	464283	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	425258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	220877	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147458	44.120	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.240%
35) Dibromofluoromethane	5.397	113	128496	44.825	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.640%
50) Toluene-d8	8.653	98	371931	40.063	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	80.120%#
62) 4-Bromofluorobenzene	11.079	95	178097	44.517	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.040%

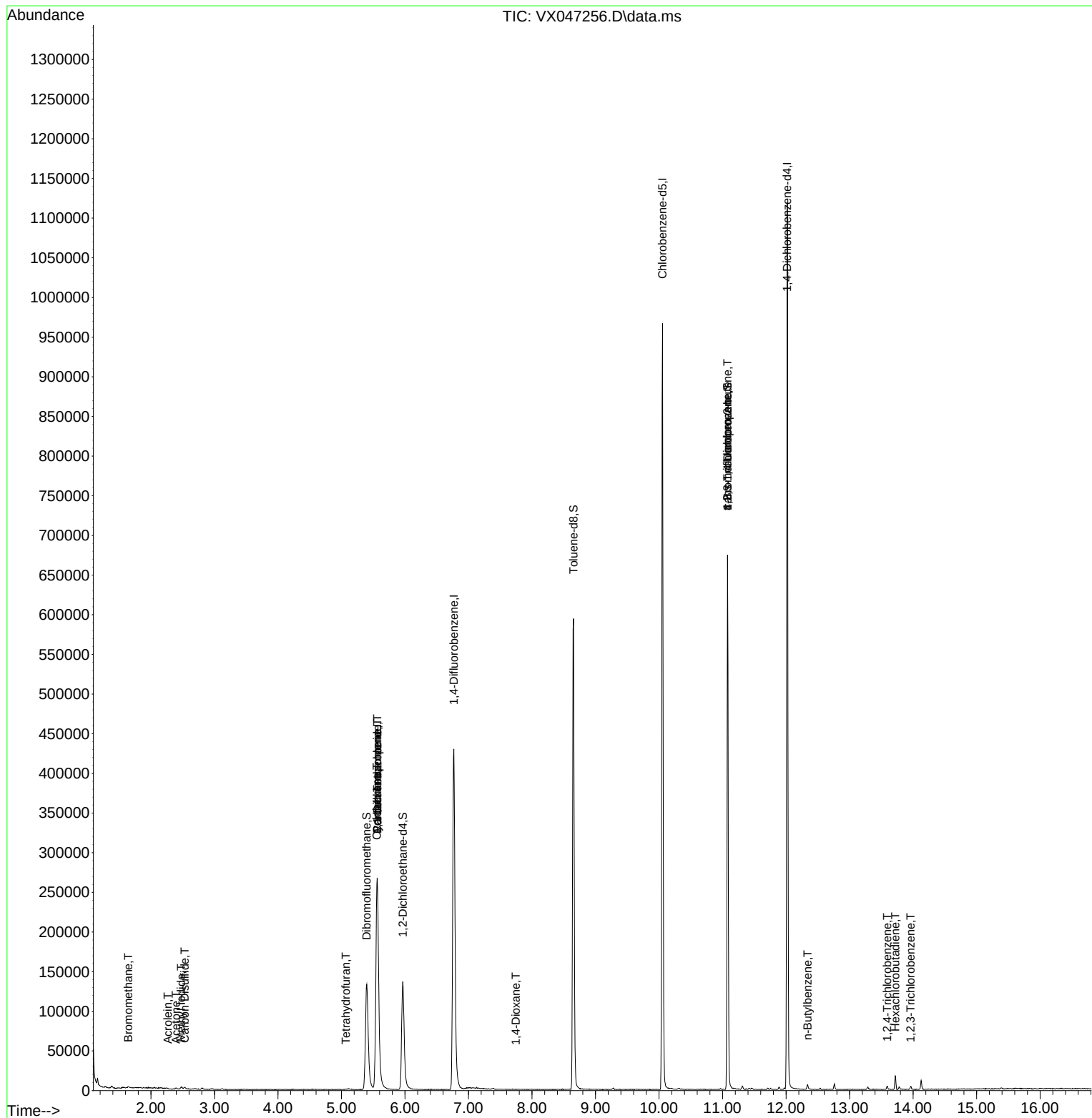
Target Compounds					Qvalue	
5) Bromomethane	1.642	94	954	0.463	ug/l	84
10) Methyl Iodide	2.477	142	4277	1.233	ug/l	100
11) Tert butyl alcohol	2.965	59	182	Below Cal	#	72
13) Acrolein	2.264	56	165	0.229	ug/l	91
16) Acetone	2.392	43	1943	1.451	ug/l	98
17) Carbon Disulfide	2.532	76	2358	0.242	ug/l	100
29) Tetrahydrofuran	5.068	42	389	0.309	ug/l	# 47
31) Cyclohexane	5.556	56	5791	0.927	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	23347	4.778	ug/l	# 51
38) Carbon Tetrachloride	5.562	117	28324	5.431	ug/l	# 16
49) 1,4-Dioxane	7.744	88	20	0.460	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	92985	22.744	ug/l	# 35
81) trans-1,4-Dichloro-2-b...	11.079	75	92985	58.598	ug/l	# 8
89) n-Butylbenzene	12.341	91	2971	0.212	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	1511	0.301	ug/l	93
94) Hexachlorobutadiene	13.719	225	2280	1.337	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1395	0.289	ug/l	90

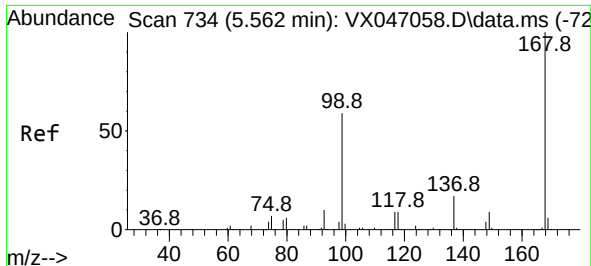
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
250806062-03 Trip blank

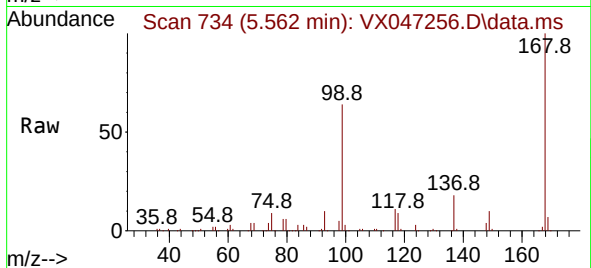
Quant Time: Aug 08 02:42:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
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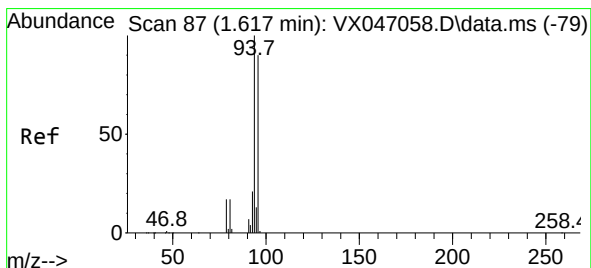
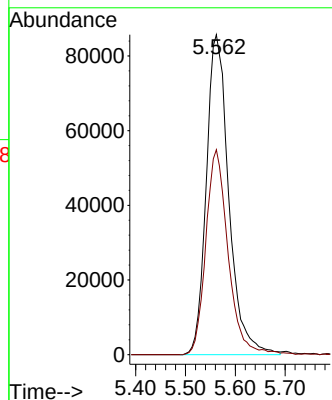
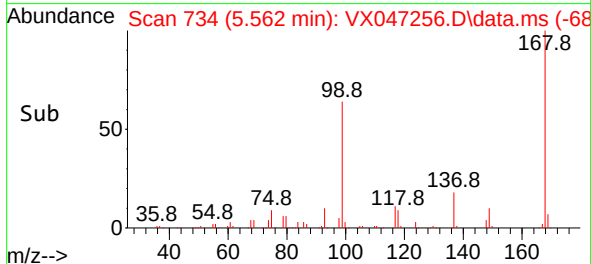


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

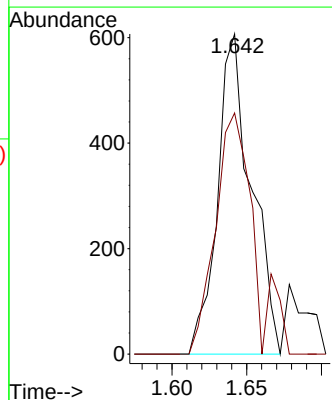
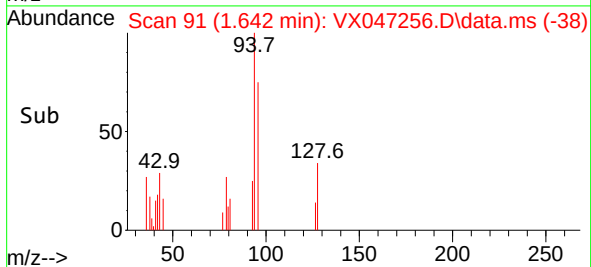
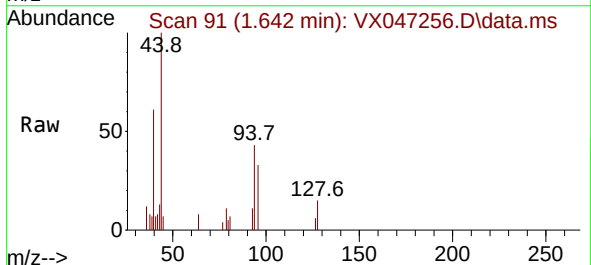


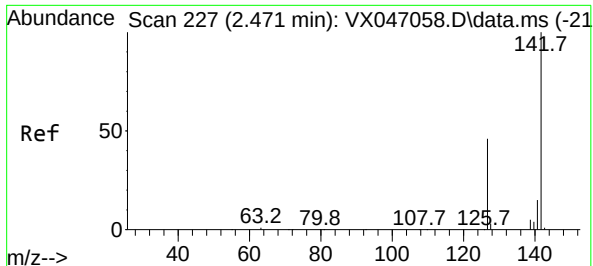
Tgt Ion:168 Resp: 268300
Ion Ratio Lower Upper
168 100
99 64.0 48.0 72.0



#5
Bromomethane
Concen: 0.463 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 94 Resp: 954
Ion Ratio Lower Upper
94 100
96 75.3 72.3 108.5

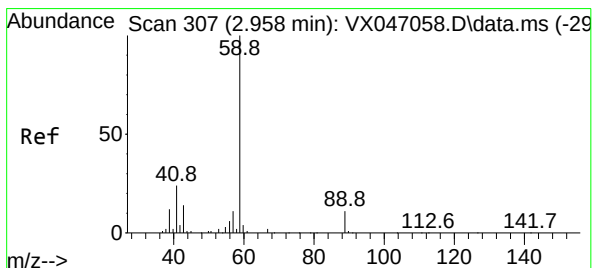
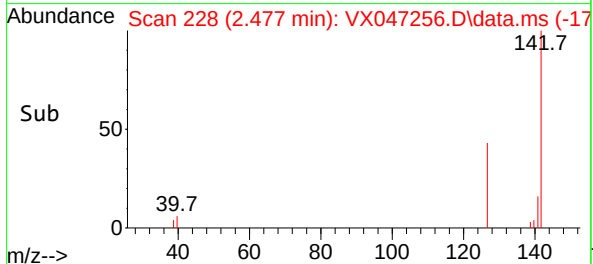
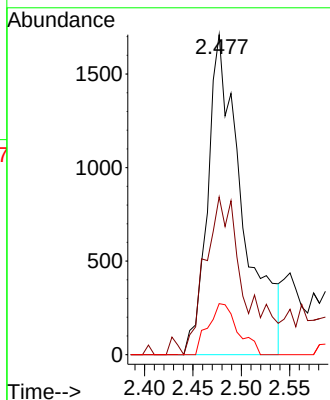
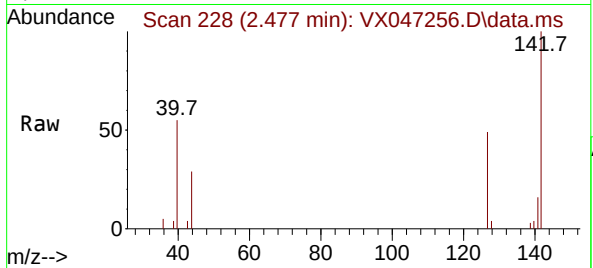




#10
Methyl Iodide
Concen: 1.233 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

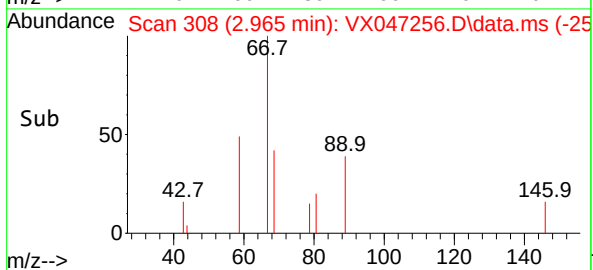
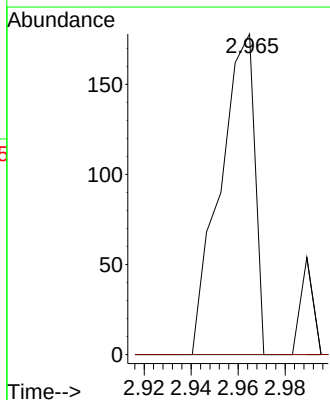
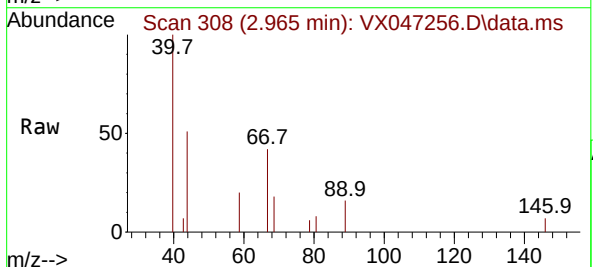
Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

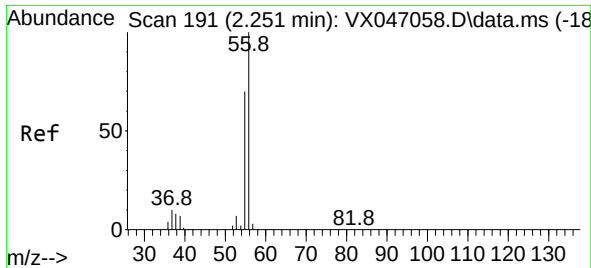
Tgt Ion:142 Resp: 4277
Ion Ratio Lower Upper
142 100
127 45.6 36.6 54.8
141 13.6 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

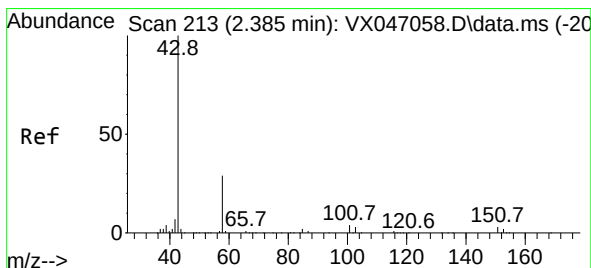
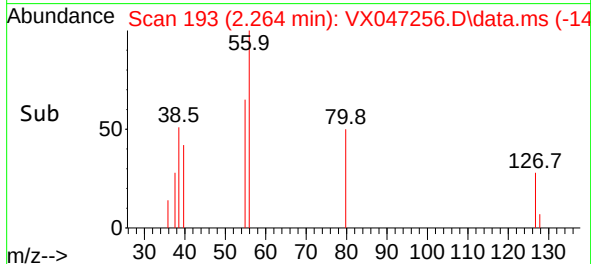
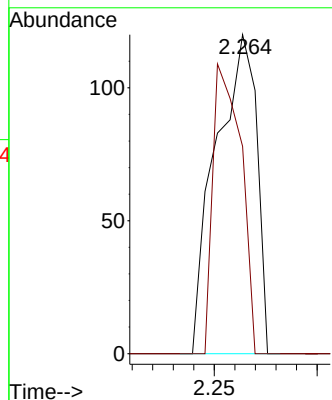
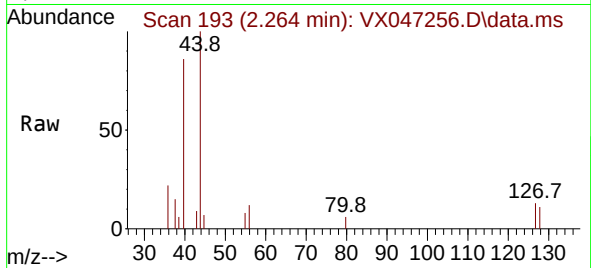




#13
Acrolein
Concen: 0.229 ug/l
RT: 2.264 min Scan# 19
Delta R.T. 0.013 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

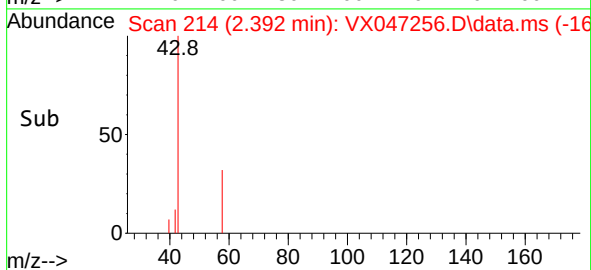
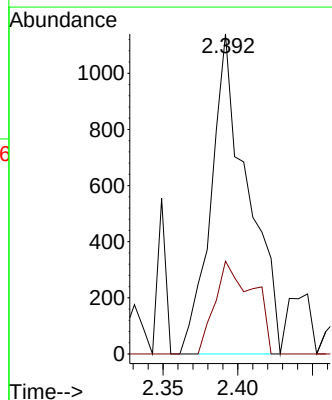
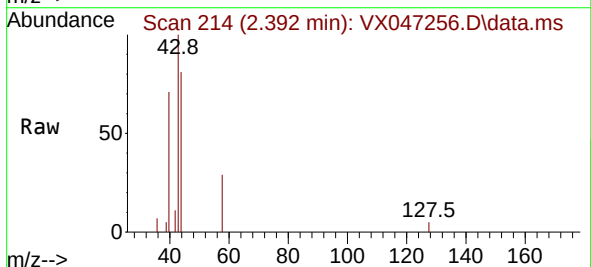
Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

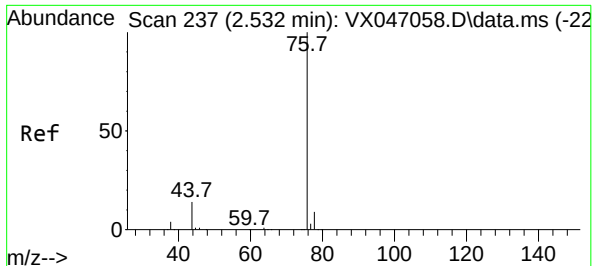
Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 62.4 55.7 83.5



#16
Acetone
Concen: 1.451 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
58 29.0 24.0 36.0

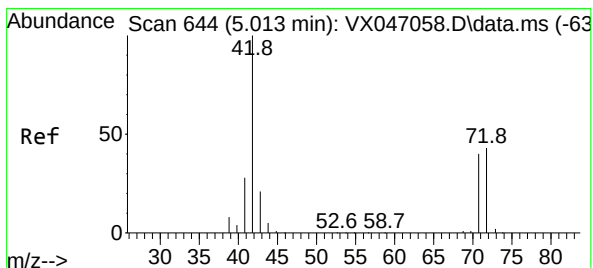
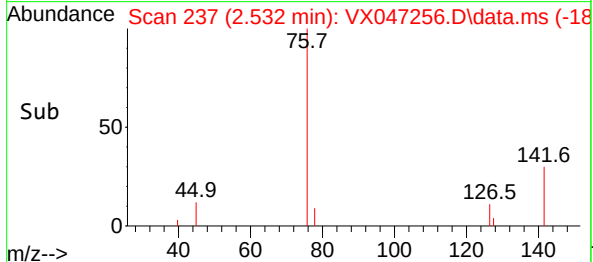
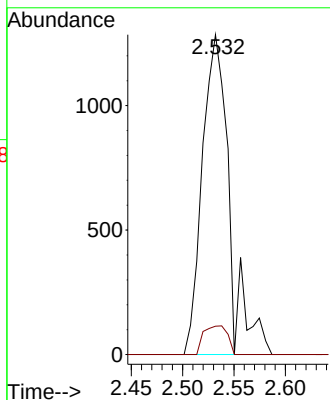
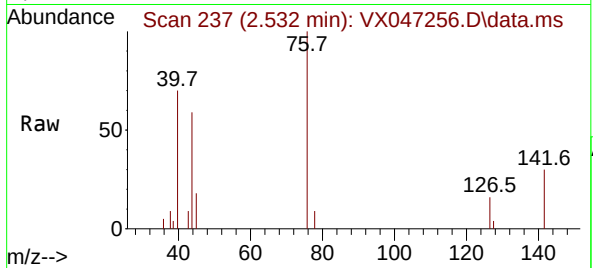




#17
Carbon Disulfide
Concen: 0.242 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

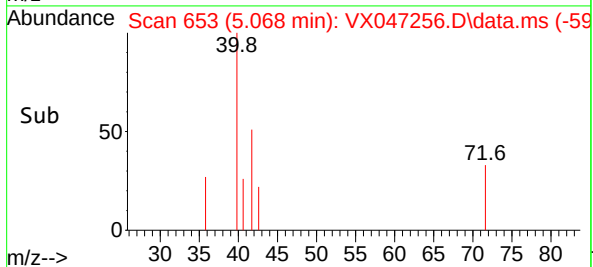
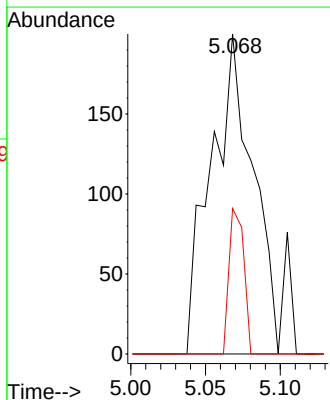
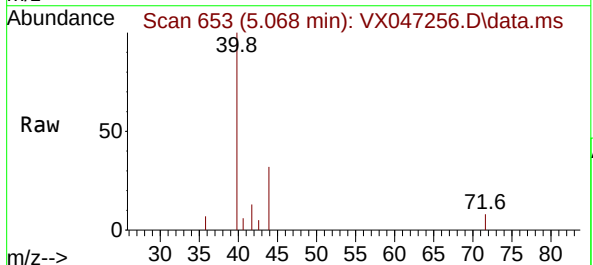
Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

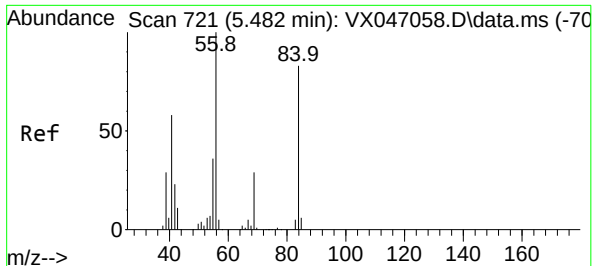
Tgt Ion: 76 Resp: 2358
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 5.068 min Scan# 653
Delta R.T. 0.055 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 42 Resp: 389
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 15.9 31.0 46.4#

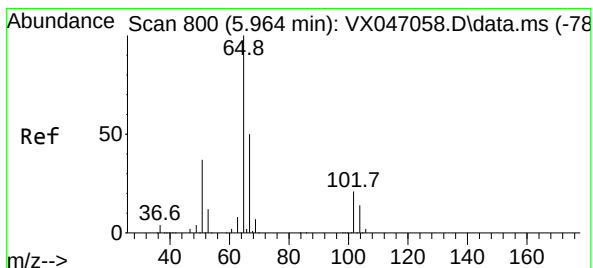
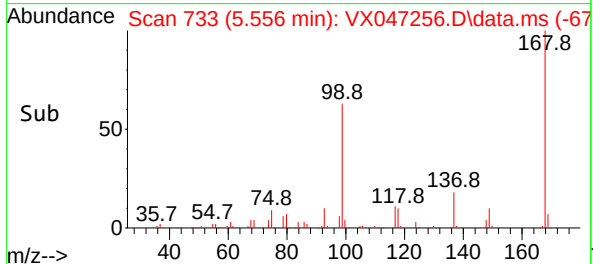
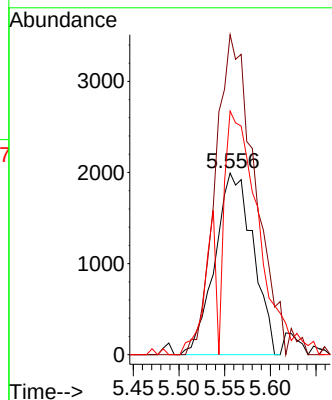
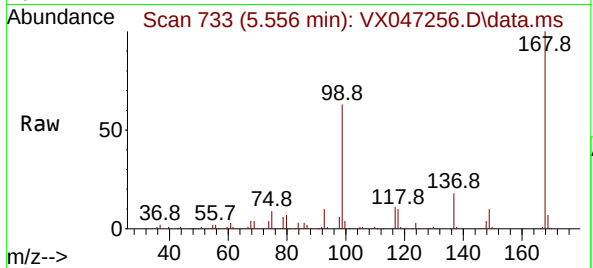




#31
Cyclohexane
Concen: 0.927 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

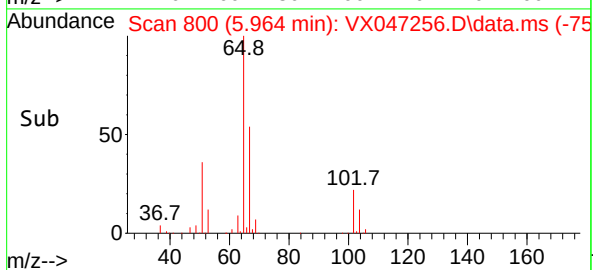
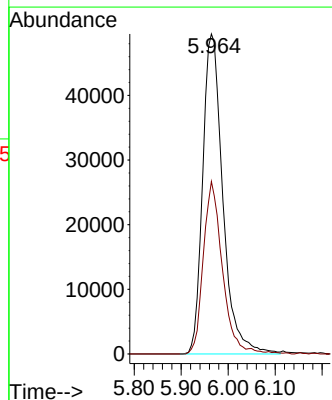
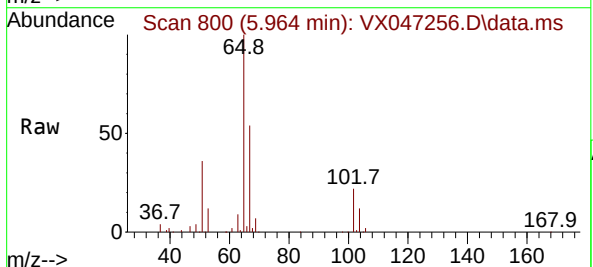
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MSVOA_X
ClientSampleId :
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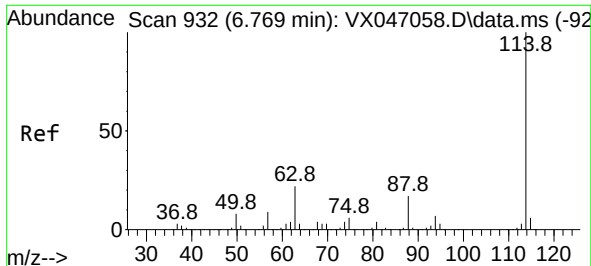
Tgt Ion: 56 Resp: 5791
Ion Ratio Lower Upper
56 100
69 170.1 23.3 34.9#
84 129.4 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 44.120 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 65 Resp: 147458
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.8

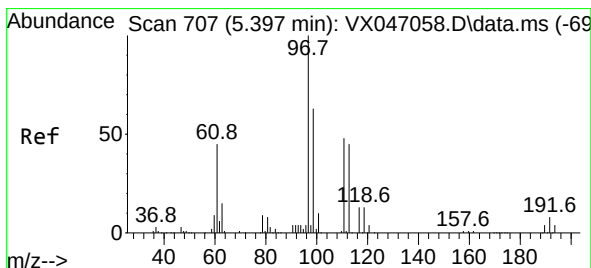
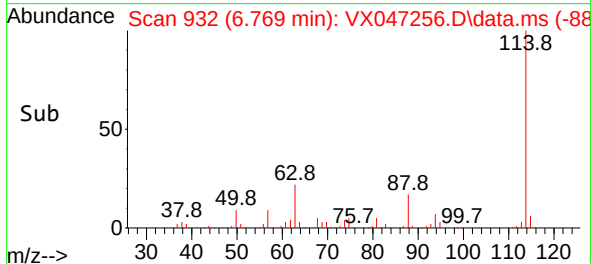
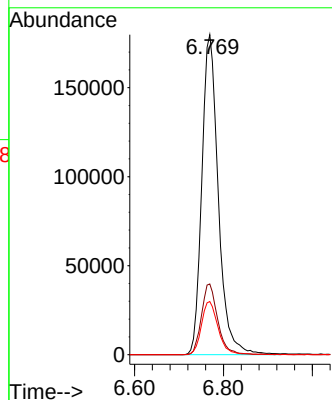
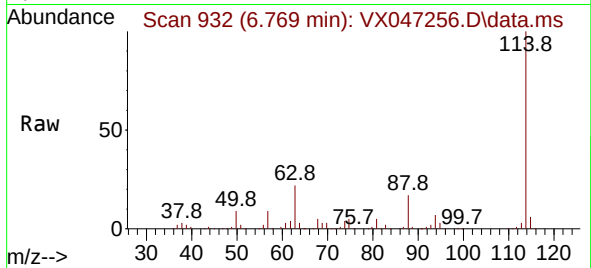




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

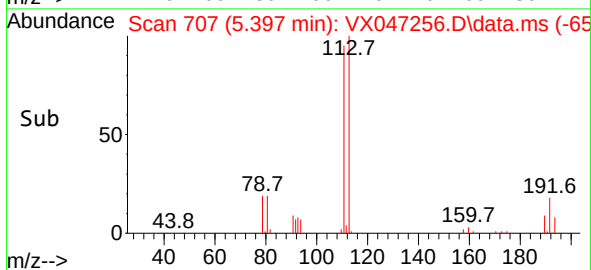
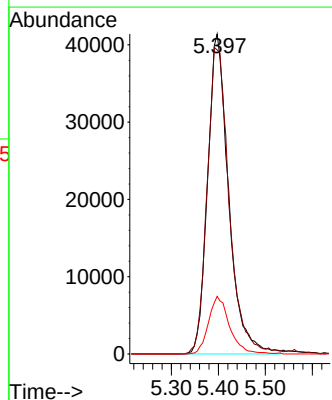
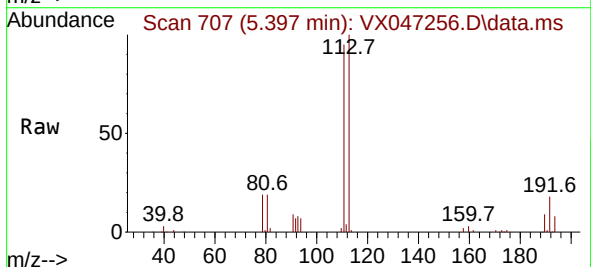
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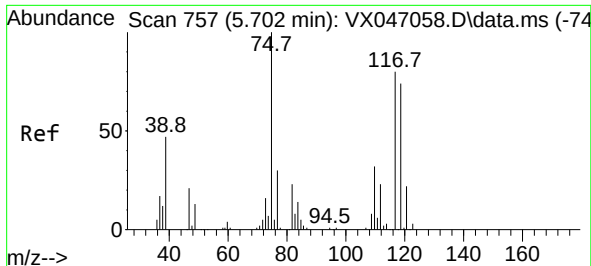
Tgt Ion:114 Resp: 464283
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.2
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 44.825 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion:113 Resp: 128496
Ion Ratio Lower Upper
113 100
111 100.2 82.6 124.0
192 18.0 14.9 22.3

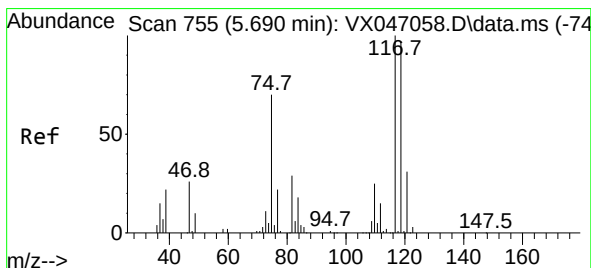
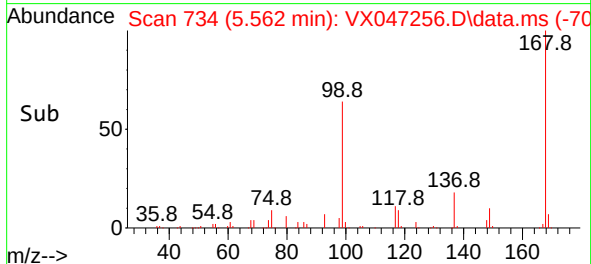
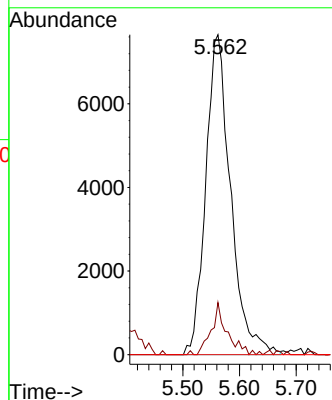
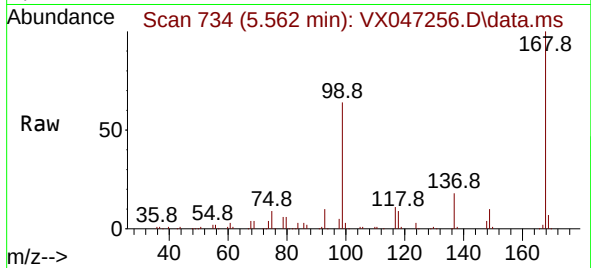




#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

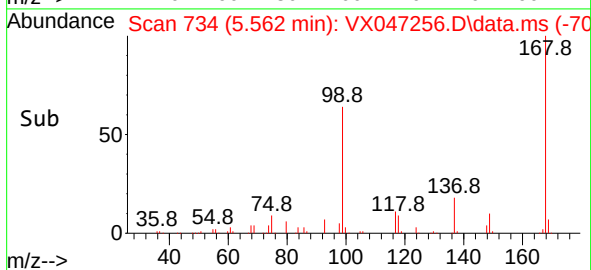
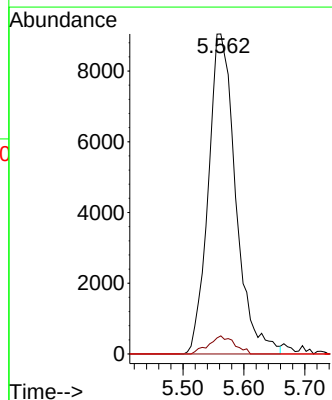
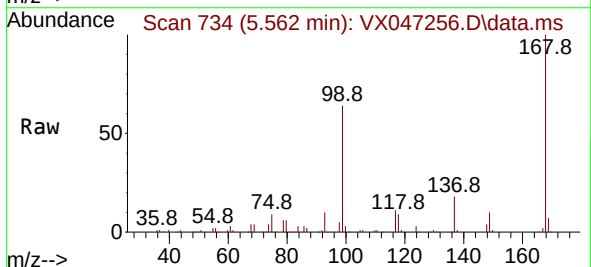
Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

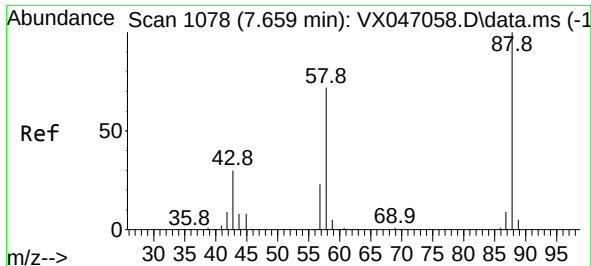
Tgt Ion: 75 Resp: 23347
Ion Ratio Lower Upper
75 100
110 10.3 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.431 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 117 Resp: 28324
Ion Ratio Lower Upper
117 100
119 5.6 76.6 115.0#
121 0.0 24.4 36.6#

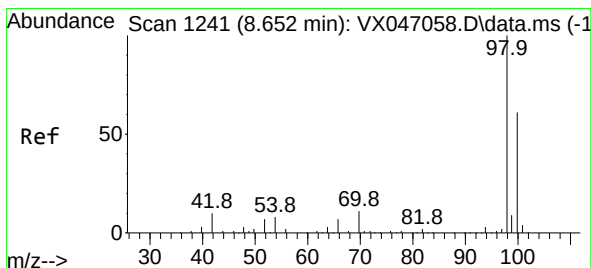
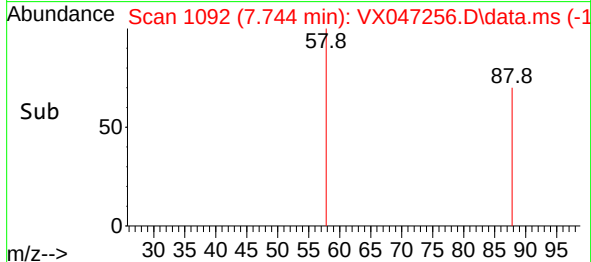
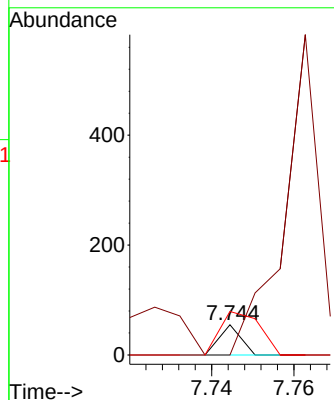
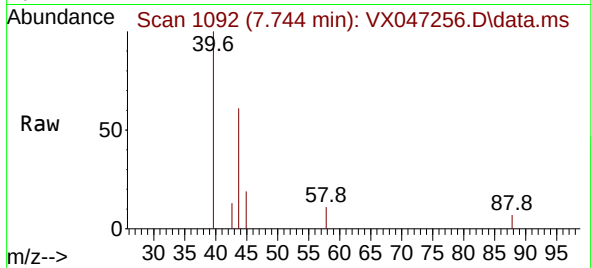




#49
1,4-Dioxane
Concen: 0.460 ug/l
RT: 7.744 min Scan# 1092
Delta R.T. 0.086 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

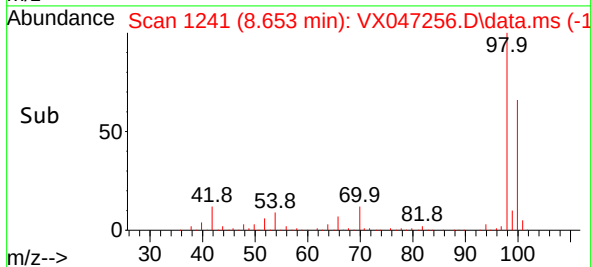
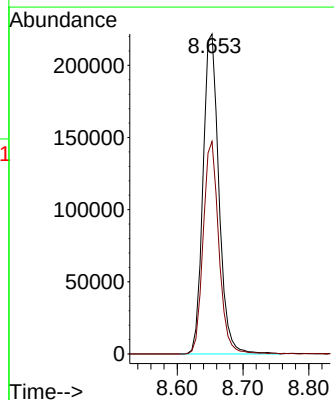
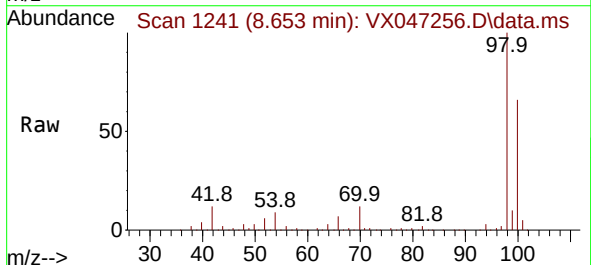
Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

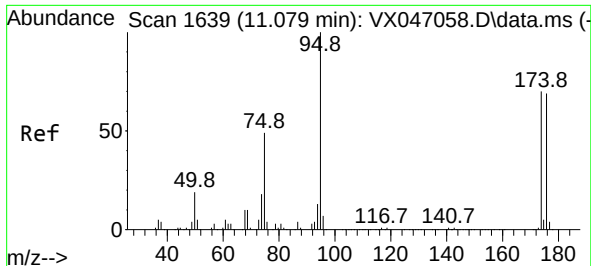
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 1975.0 33.6 50.4#
58 265.0 58.8 88.2#



#50
Toluene-d8
Concen: 40.063 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 98 Resp: 371931
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 44.517 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047256.D

Acq: 07 Aug 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

250806062-03 Trip blank

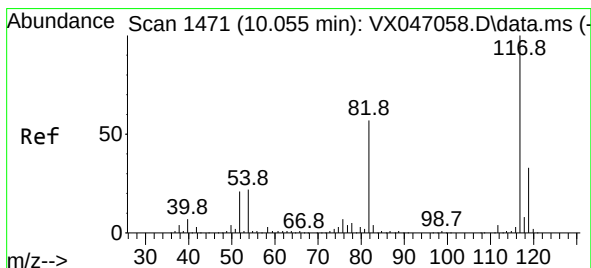
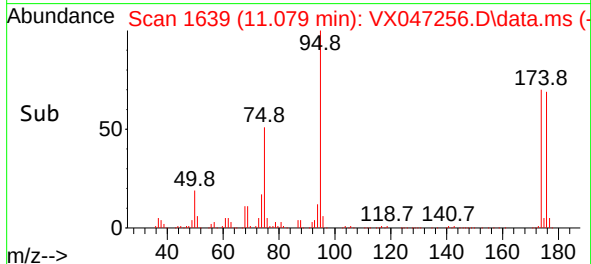
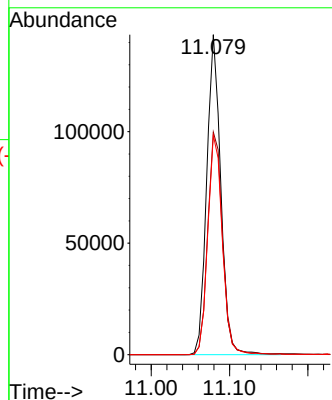
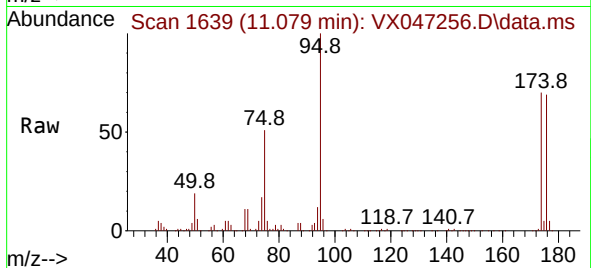
Tgt Ion: 95 Resp: 178097

Ion Ratio Lower Upper

95 100

174 73.4 0.0 144.6

176 71.2 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: VX047256.D

Acq: 07 Aug 2025 12:45

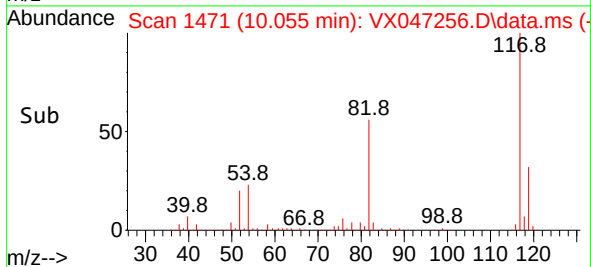
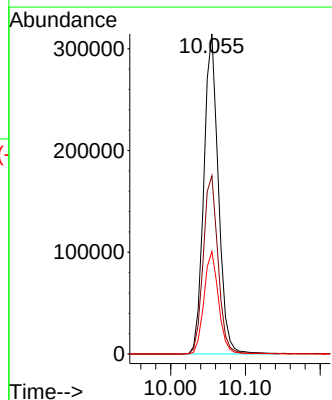
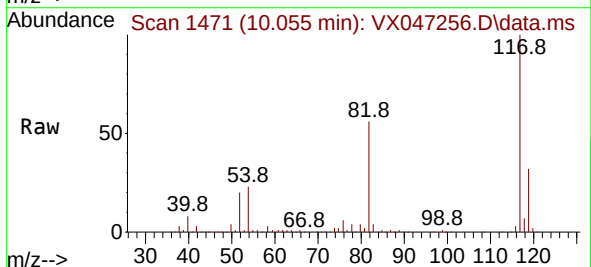
Tgt Ion: 117 Resp: 425258

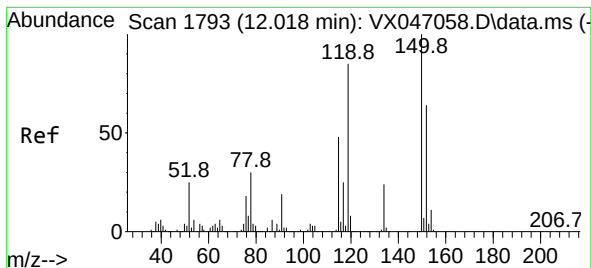
Ion Ratio Lower Upper

117 100

82 55.7 45.4 68.2

119 32.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047256.D

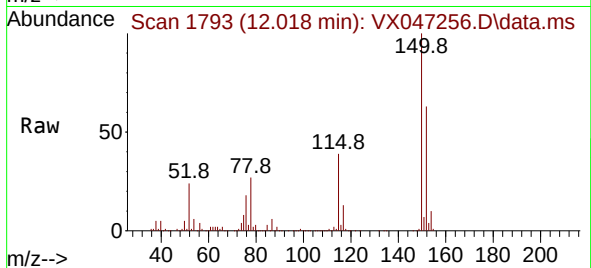
Acq: 07 Aug 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

250806062-03 Trip blank



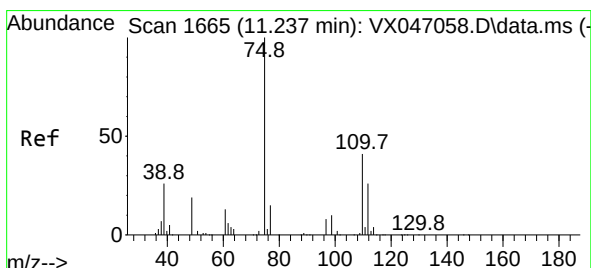
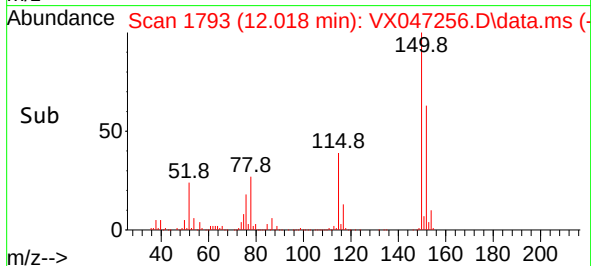
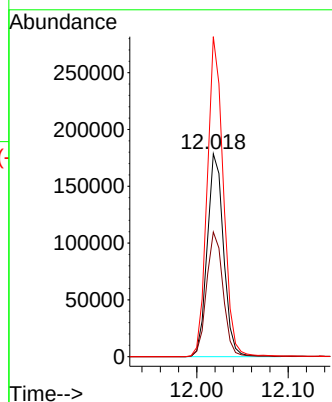
Tgt Ion:152 Resp: 220877

Ion Ratio Lower Upper

152 100

115 62.4 45.6 136.7

150 156.5 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 22.744 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047256.D

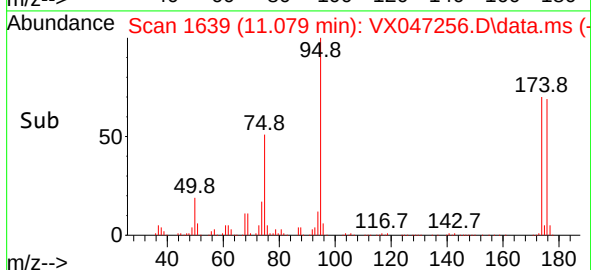
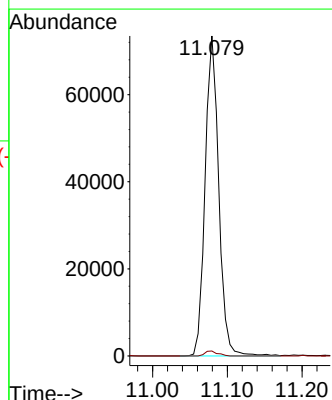
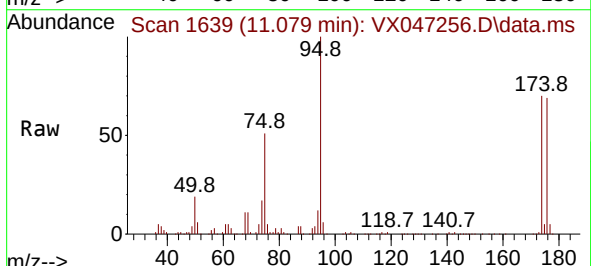
Acq: 07 Aug 2025 12:45

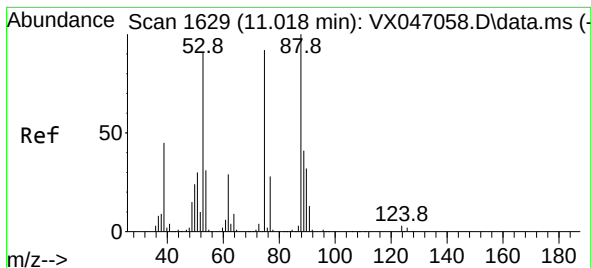
Tgt Ion: 75 Resp: 92985

Ion Ratio Lower Upper

75 100

77 1.4 21.6 65.0#

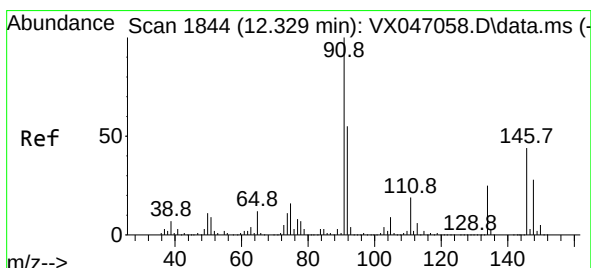
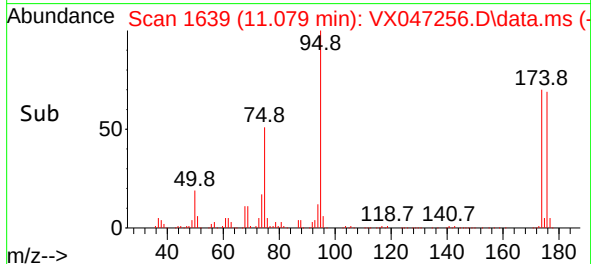
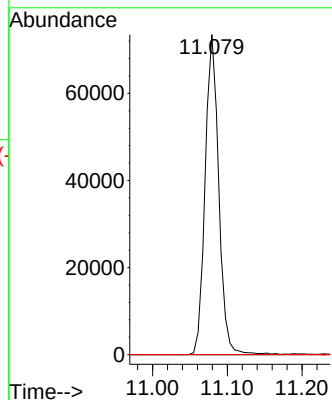
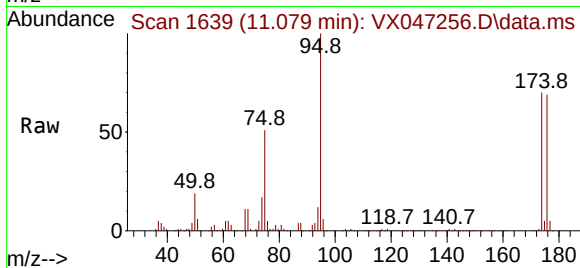




#81
trans-1,4-Dichloro-2-butene
Concen: 58.598 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

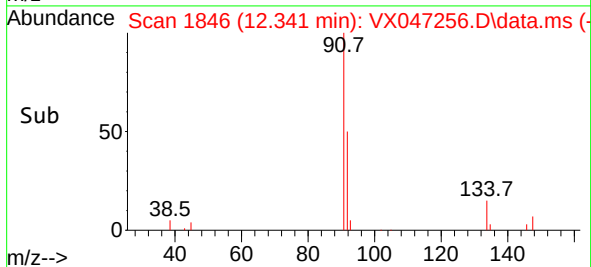
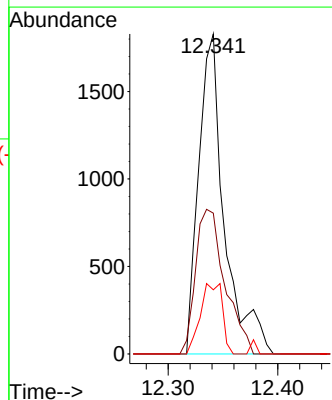
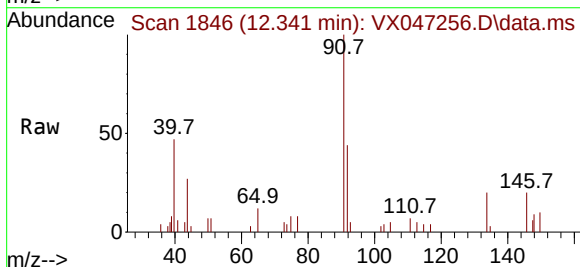
Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

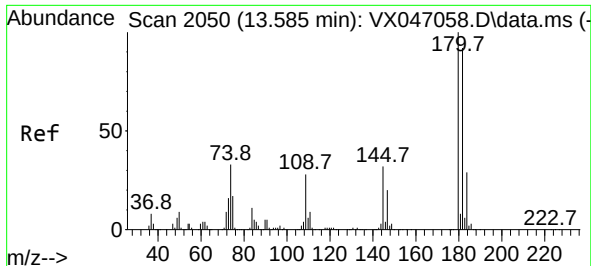
Tgt Ion: 75 Resp: 92985
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#89
n-Butylbenzene
Concen: 0.212 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.013 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 91 Resp: 2971
Ion Ratio Lower Upper
91 100
92 51.9 27.5 82.5
134 18.9 12.8 38.3

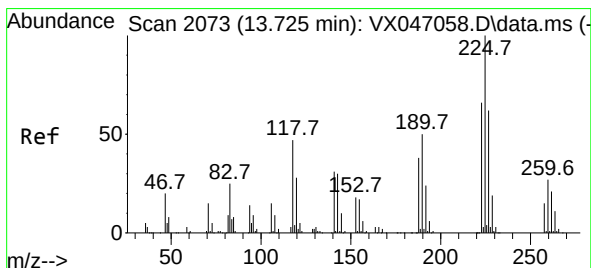
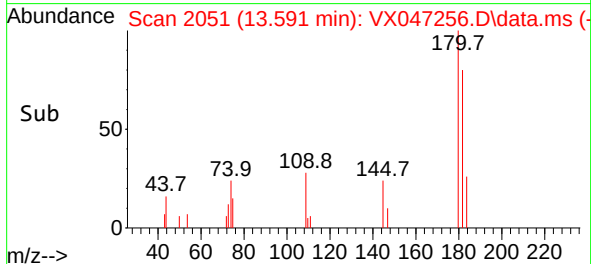
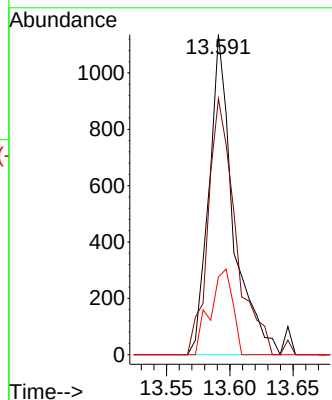
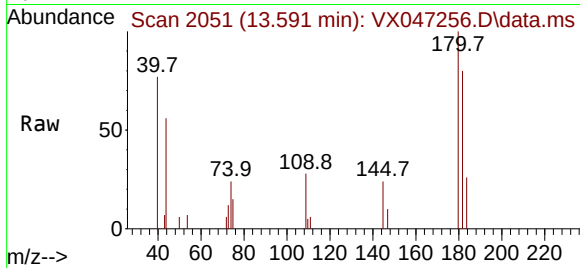




#93
1,2,4-Trichlorobenzene
Concen: 0.301 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

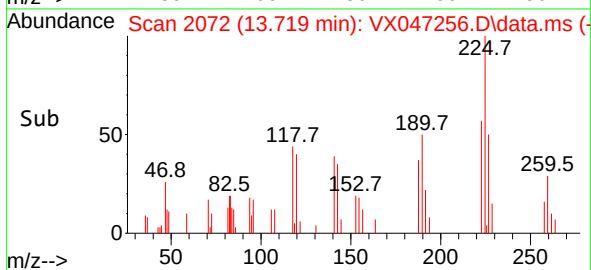
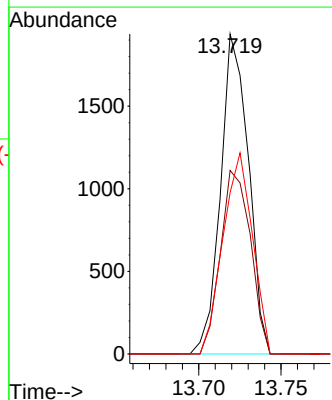
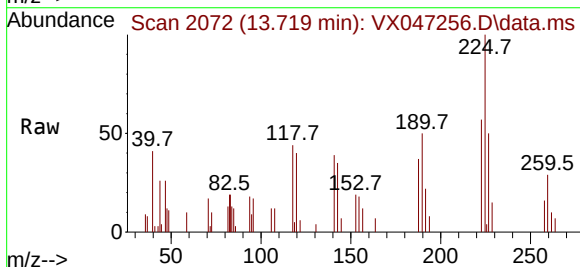
Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

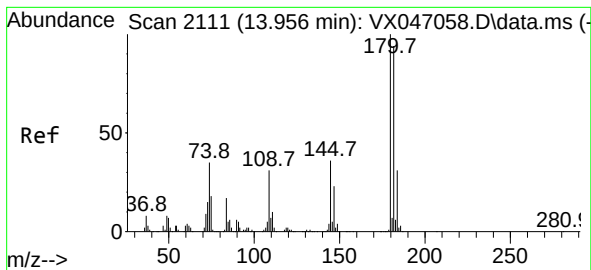
Tgt Ion:180 Resp: 1511
Ion Ratio Lower Upper
180 100
182 90.6 47.3 141.8
145 24.9 16.4 49.1



#94
Hexachlorobutadiene
Concen: 1.337 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

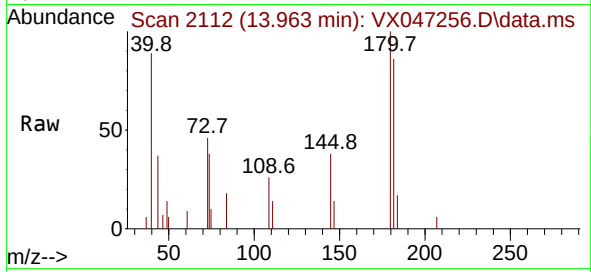
Tgt Ion:225 Resp: 2280
Ion Ratio Lower Upper
225 100
223 61.9 31.6 95.0
227 66.8 32.9 98.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.289 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX047256.D
 Acq: 07 Aug 2025 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 250806062-03 Trip blank



Tgt Ion:	180	Resp:	1395
Ion	Ratio	Lower	Upper
180	100		
182	82.9	46.9	140.6
145	30.7	17.3	52.0

