

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
 Data File : VX047258.D
 Acq On : 07 Aug 2025 13:27
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 08 02:43:50 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)

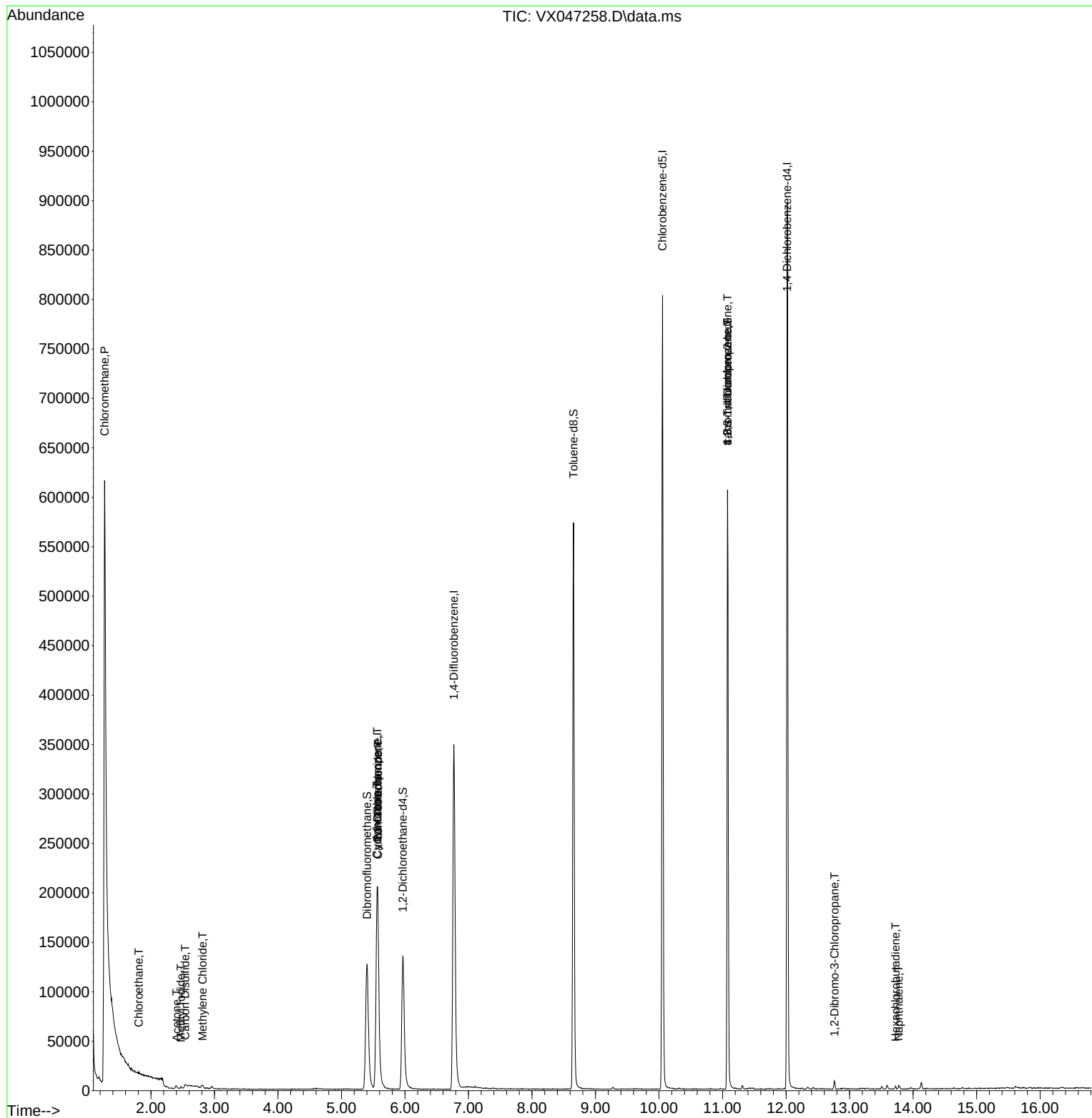
Internal Standards						
1) Pentafluorobenzene	5.568	168	207223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	375652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	352683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143454	55.573	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.140%			
35) Dibromofluoromethane	5.403	113	122565	52.843	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.680%			
50) Toluene-d8	8.653	98	344743	45.896	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.800%#			
62) 4-Bromofluorobenzene	11.079	95	170653	52.720	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.440%			
Target Compounds					Qvalue	
3) Chloromethane	1.270	50	27890	10.244	ug/l #	45
6) Chloroethane	1.806	64	2936	1.527	ug/l #	44
10) Methyl Iodide	2.471	142	2440	0.911	ug/l	92
11) Tert butyl alcohol	2.958	59	760	Below Cal	#	72
16) Acetone	2.404	43	4700	4.545	ug/l #	84
17) Carbon Disulfide	2.538	76	7002	0.929	ug/l	99
20) Methylene Chloride	2.812	84	1211	0.426	ug/l #	83
31) Cyclohexane	5.556	56	4560	0.945	ug/l #	10
36) 1,1-Dichloropropene	5.562	75	18013	4.556	ug/l #	46
38) Carbon Tetrachloride	5.574	117	22267	5.277	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	87953	25.970	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	87953	66.909	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	178	0.225	ug/l #	2
94) Hexachlorobutadiene	13.725	225	294	0.208	ug/l	92
95) Naphthalene	13.774	128	3146	0.258	ug/l #	92

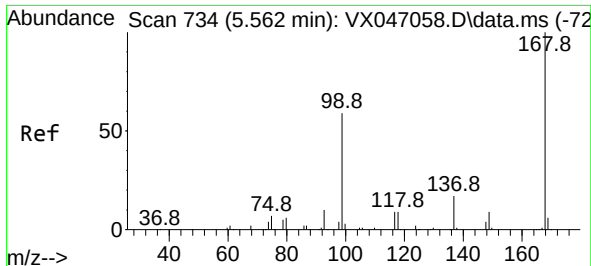
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 02:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

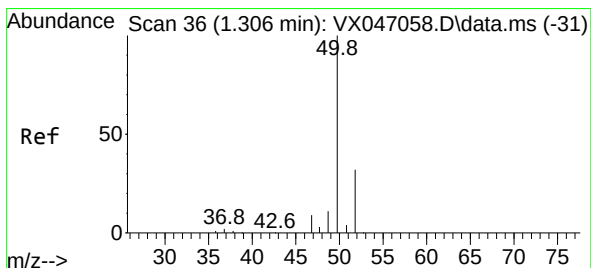
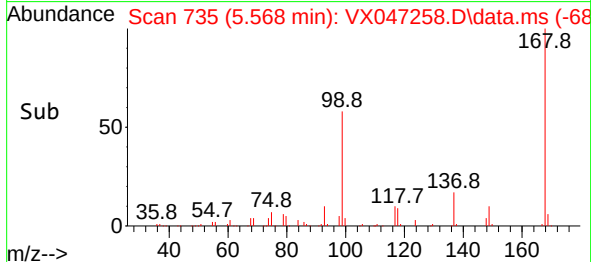
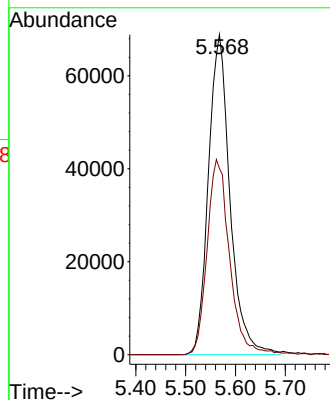
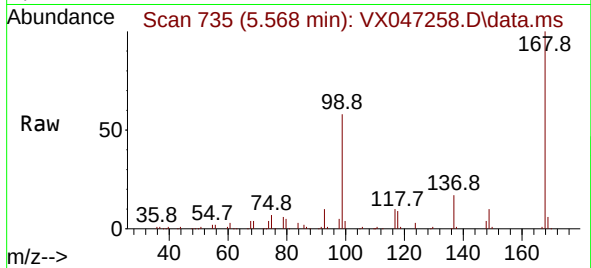




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

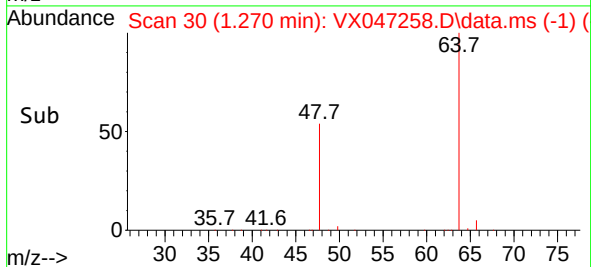
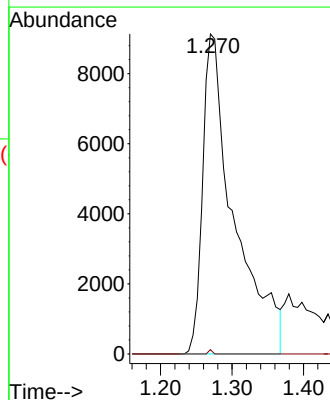
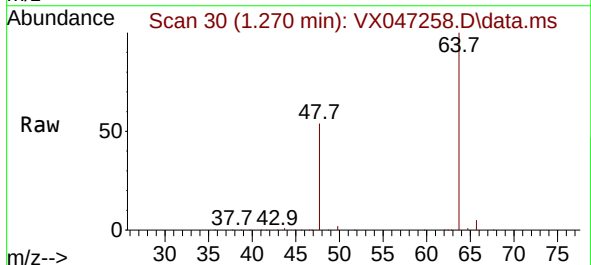
Instrument :
MSVOA_X
ClientSampleId :
IBLK

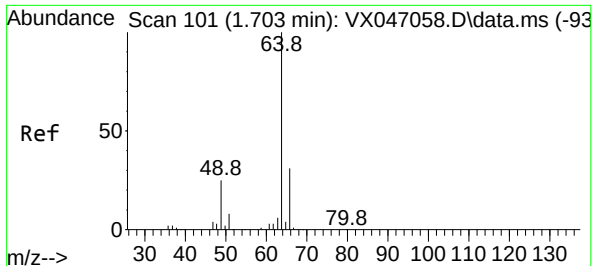
Tgt Ion:168 Resp: 207223
Ion Ratio Lower Upper
168 100
99 58.3 48.0 72.0



#3
Chloromethane
Concen: 10.244 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.037 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Tgt Ion: 50 Resp: 27890
Ion Ratio Lower Upper
50 100
52 1.4 25.4 38.2#

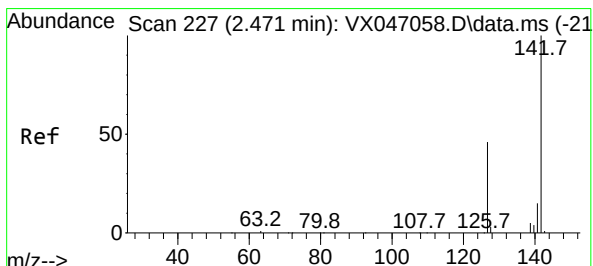
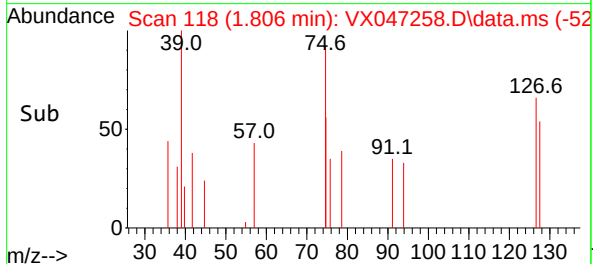
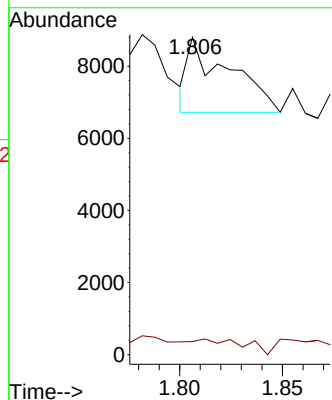
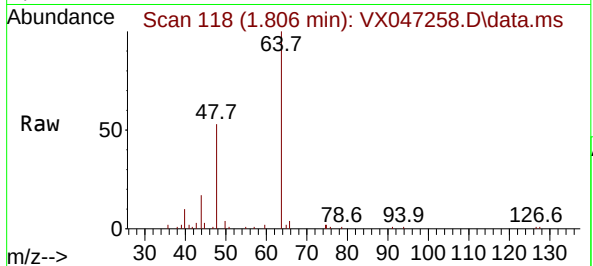




#6
Chloroethane
Concen: 1.527 ug/l
RT: 1.806 min Scan# 11
Delta R.T. 0.104 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

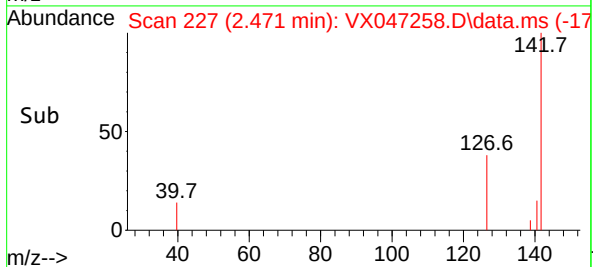
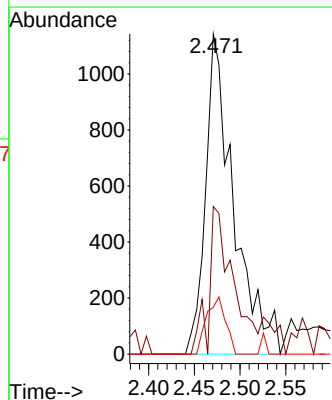
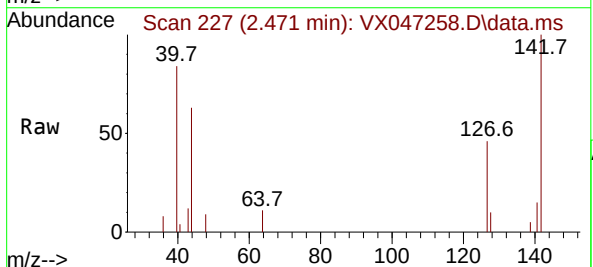
Instrument :
MSVOA_X
ClientSampleId :
IBLK

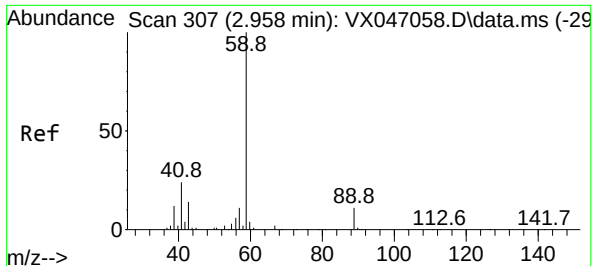
Tgt Ion: 64 Resp: 2936
Ion Ratio Lower Upper
64 100
66 0.3 25.0 37.6#



#10
Methyl Iodide
Concen: 0.911 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Tgt Ion:142 Resp: 2440
Ion Ratio Lower Upper
142 100
127 39.3 36.6 54.8
141 12.0 10.9 16.3

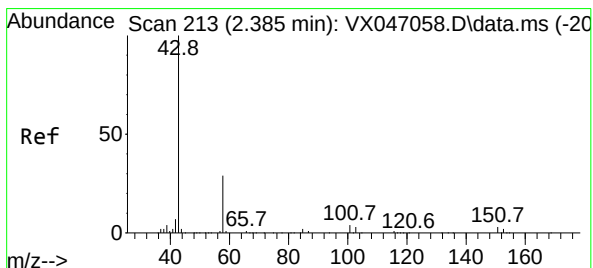
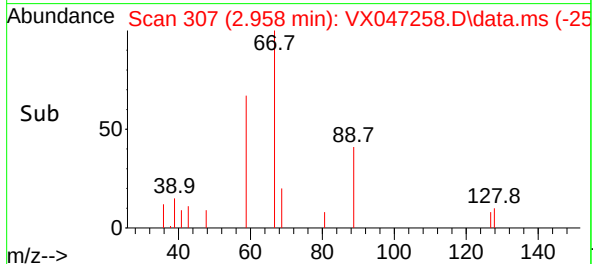
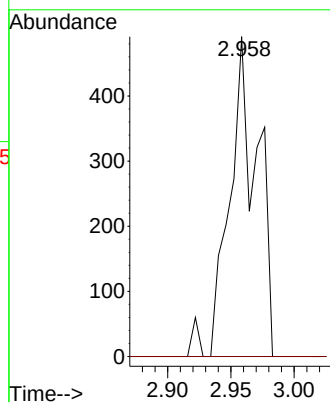
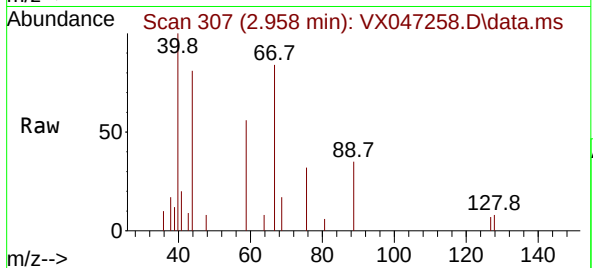




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.958 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

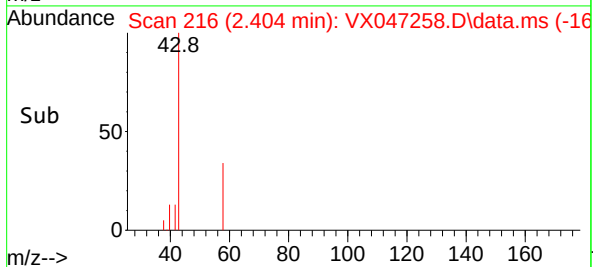
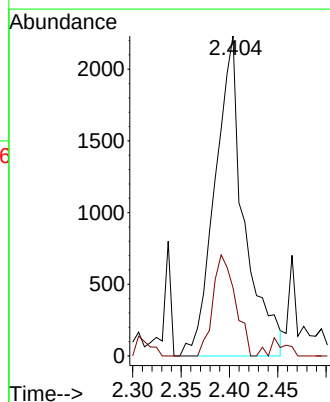
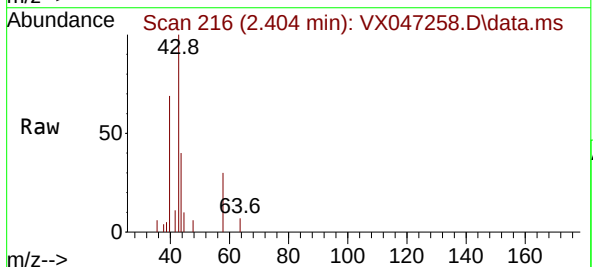
Instrument :
MSVOA_X
ClientSampleId :
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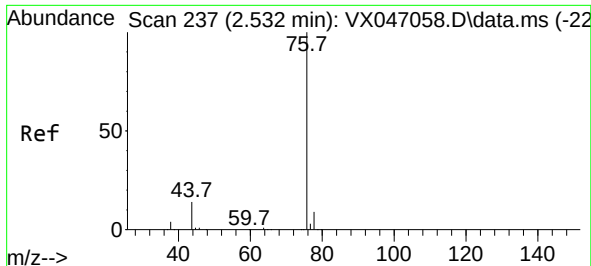
Tgt Ion: 59 Resp: 760
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 4.545 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Tgt Ion: 43 Resp: 4700
Ion Ratio Lower Upper
43 100
58 21.3 24.0 36.0#

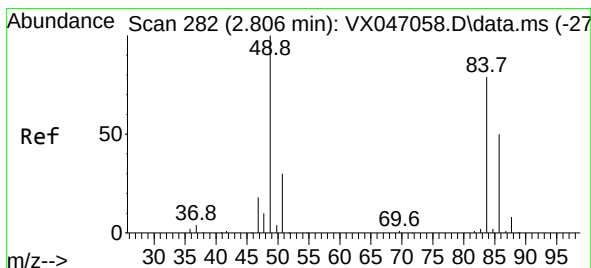
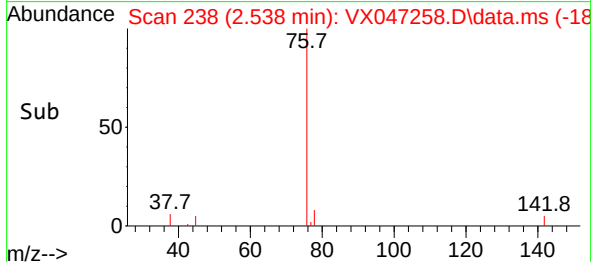
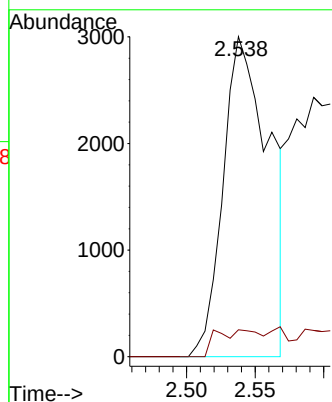
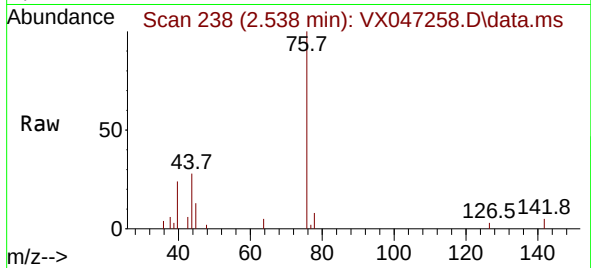




#17
Carbon Disulfide
Concen: 0.929 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

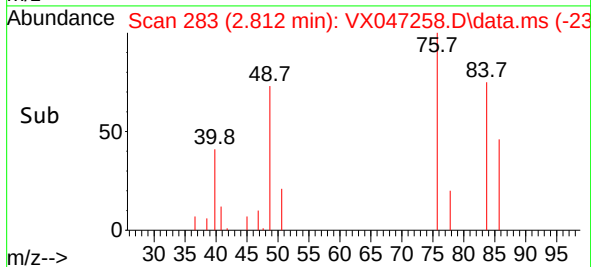
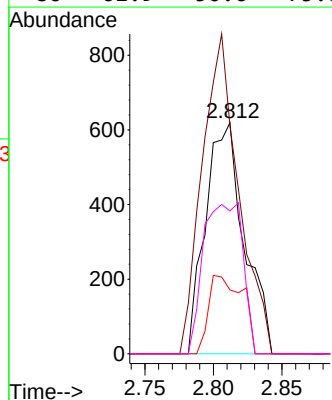
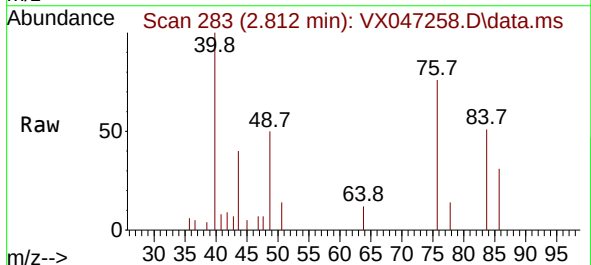
Instrument :
MSVOA_X
ClientSampleId :
IBLK

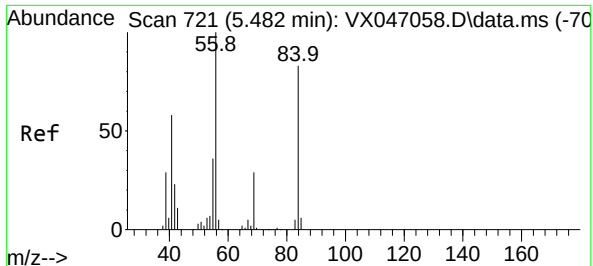
Tgt Ion: 76 Resp: 7002
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4



#20
Methylene Chloride
Concen: 0.426 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Tgt Ion: 84 Resp: 1211
Ion Ratio Lower Upper
84 100
49 98.5 101.6 152.4#
51 27.6 30.3 45.5#
86 61.9 50.6 75.8

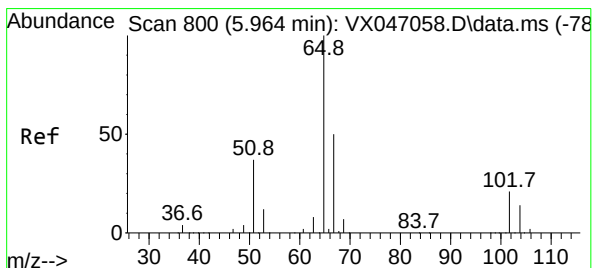
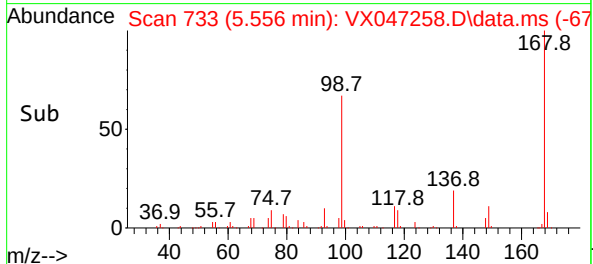
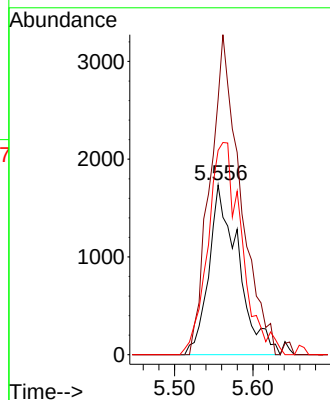
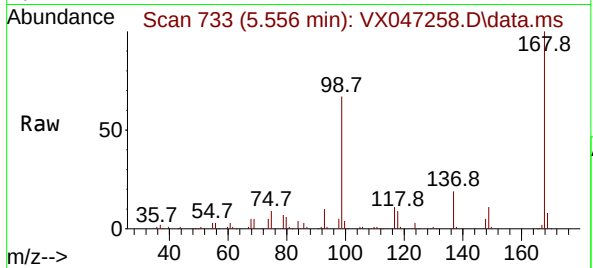




#31
Cyclohexane
Concen: 0.945 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

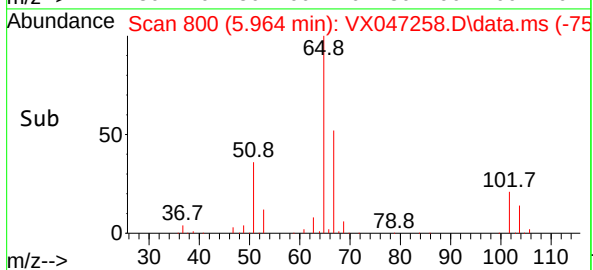
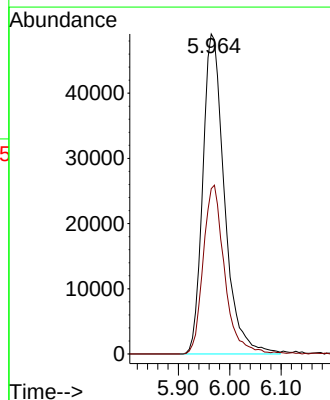
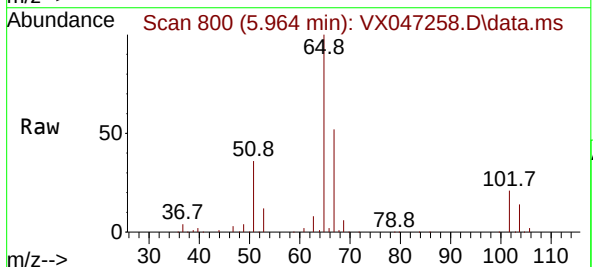
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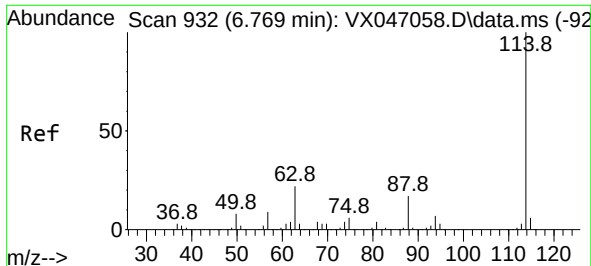
Tgt Ion: 56 Resp: 4560
Ion Ratio Lower Upper
56 100
69 150.5 23.3 34.9#
84 120.5 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 55.573 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Tgt Ion: 65 Resp: 143454
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

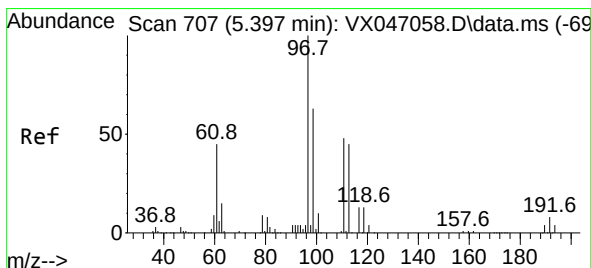
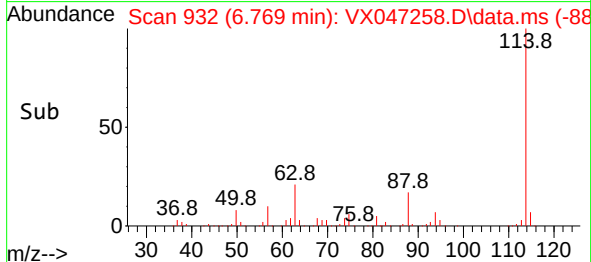
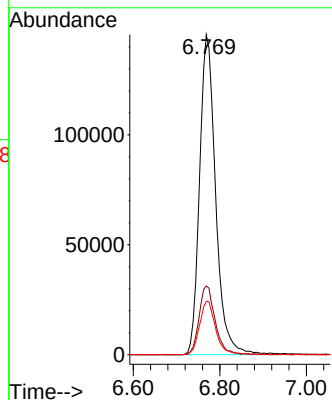
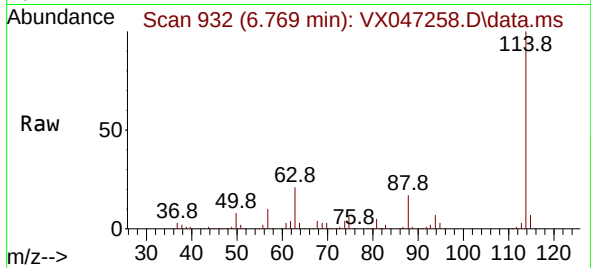




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

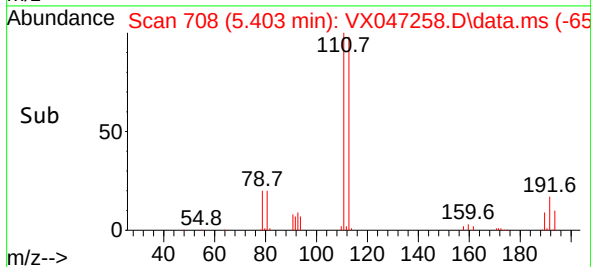
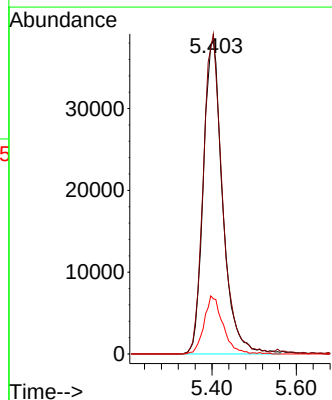
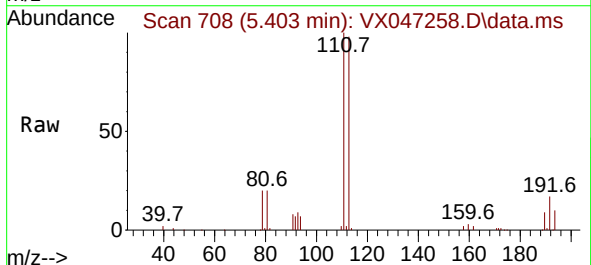
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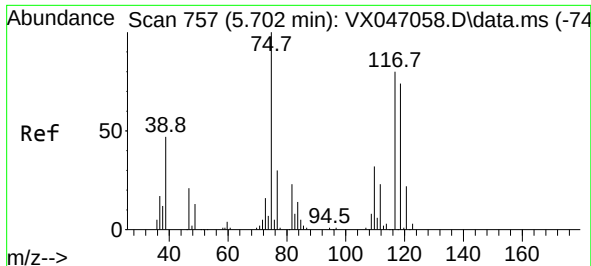
Tgt Ion:114 Resp: 375652
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.2
88 16.7 0.0 33.8



#35
Dibromofluoromethane
Concen: 52.843 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Tgt Ion:113 Resp: 122565
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 17.9 14.9 22.3

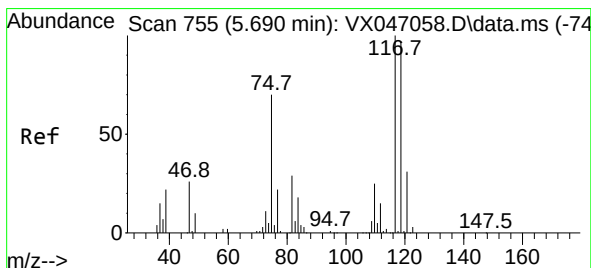
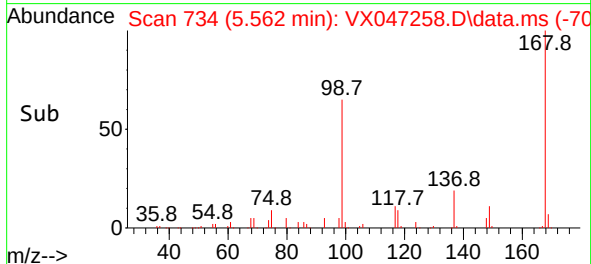
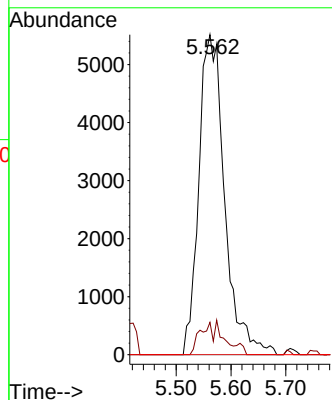
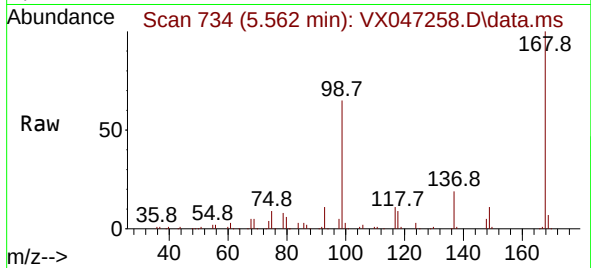




#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

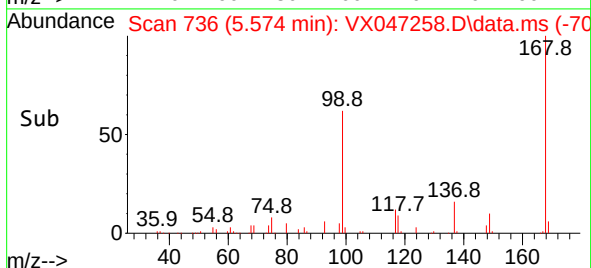
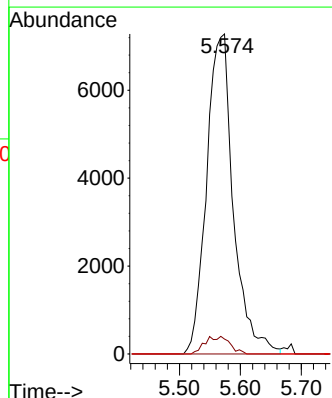
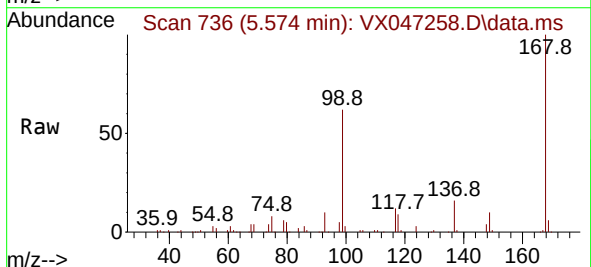
Instrument :
MSVOA_X
ClientSampleId :
IBLK

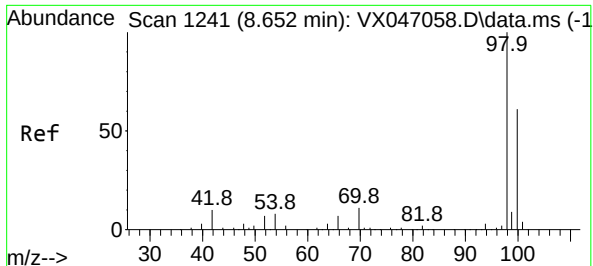
Tgt Ion: 75 Resp: 18013
Ion Ratio Lower Upper
75 100
110 5.0 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.277 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.116 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Tgt Ion: 117 Resp: 22267
Ion Ratio Lower Upper
117 100
119 4.6 76.6 115.0#
121 0.0 24.4 36.6#

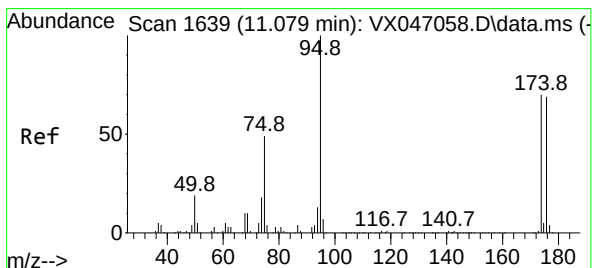
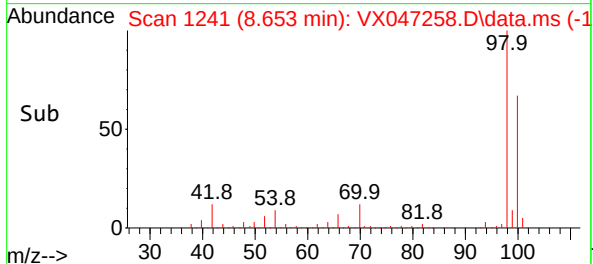
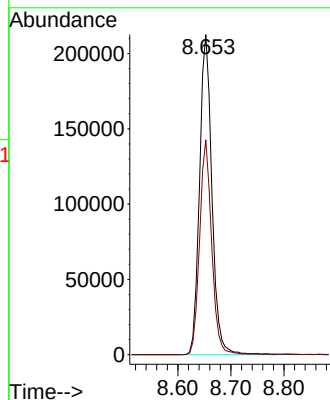
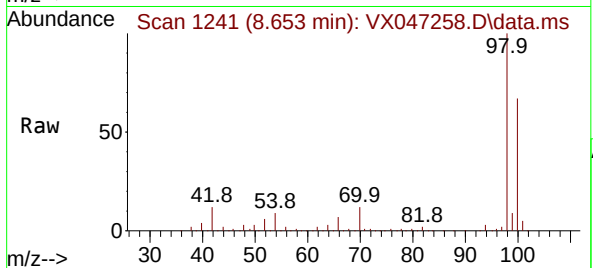




#50
Toluene-d8
Concen: 45.896 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

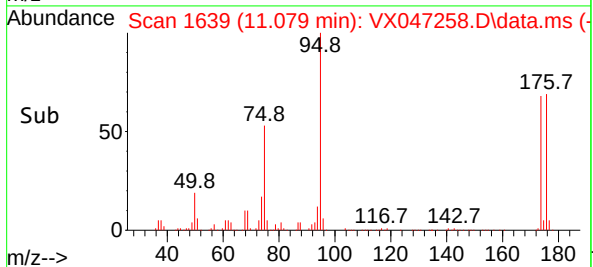
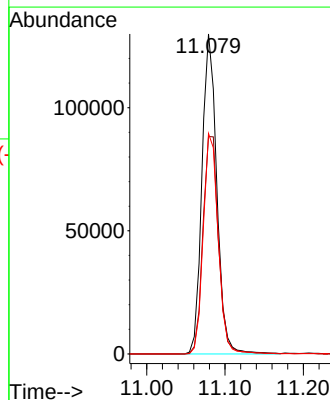
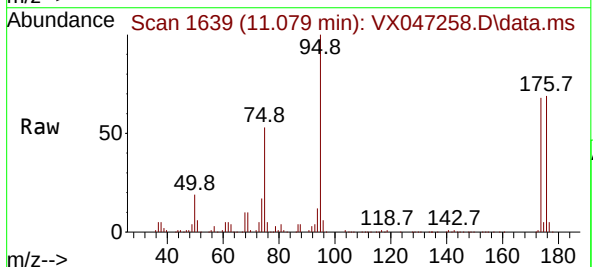
Instrument :
MSVOA_X
ClientSampleId :
IBLK

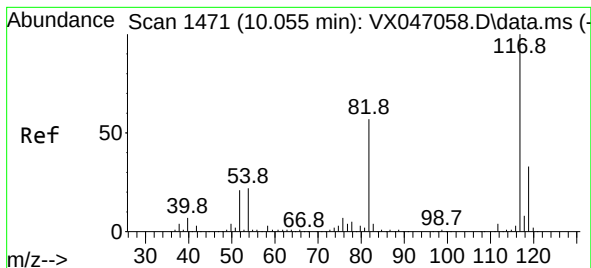
Tgt Ion: 98 Resp: 344743
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.720 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Tgt Ion: 95 Resp: 170653
Ion Ratio Lower Upper
95 100
174 71.7 0.0 144.6
176 69.5 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: VX047258.D

Acq: 07 Aug 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

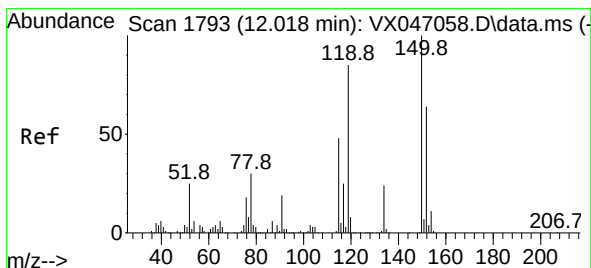
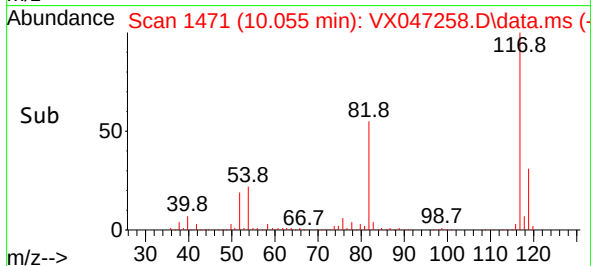
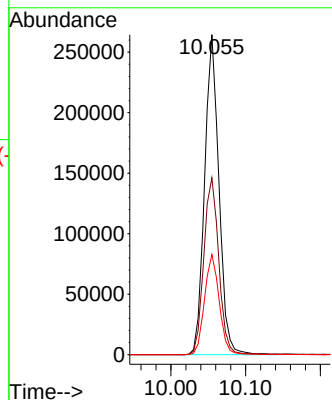
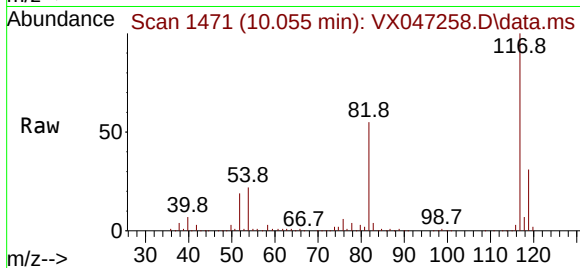
Tgt Ion:117 Resp: 352683

Ion Ratio Lower Upper

117 100

82 55.3 45.4 68.2

119 31.3 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: VX047258.D

Acq: 07 Aug 2025 13:27

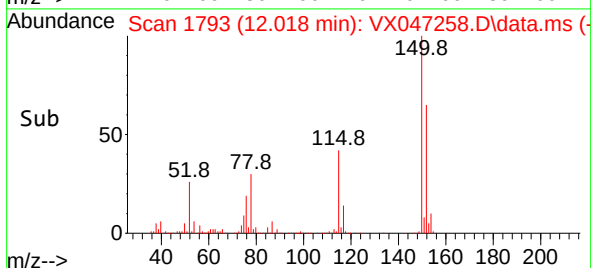
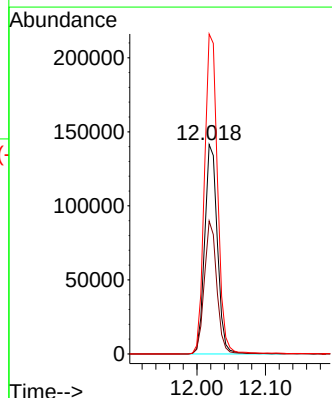
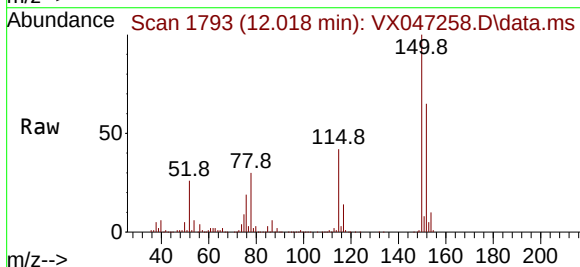
Tgt Ion:152 Resp: 182971

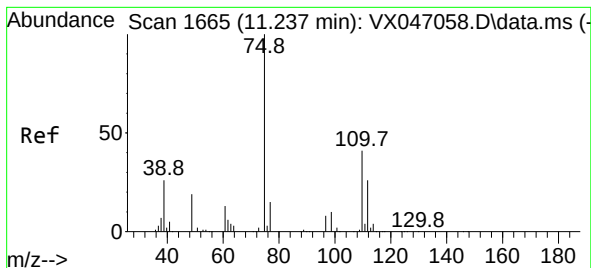
Ion Ratio Lower Upper

152 100

115 62.2 45.6 136.7

150 156.9 0.0 354.6





#76

1,2,3-Trichloropropane

Concen: 25.970 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047258.D

Acq: 07 Aug 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

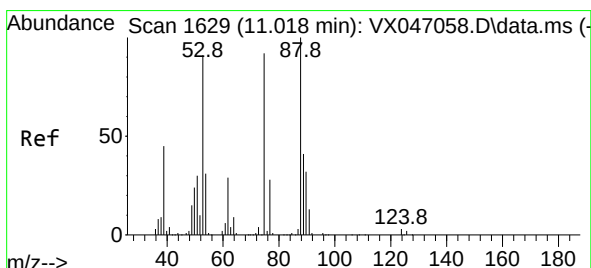
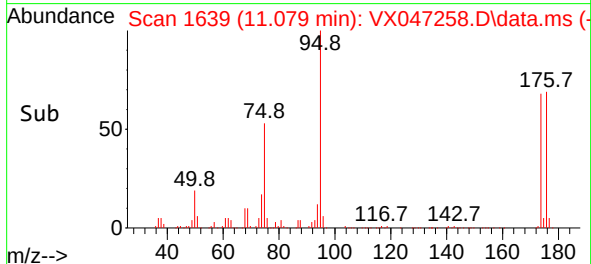
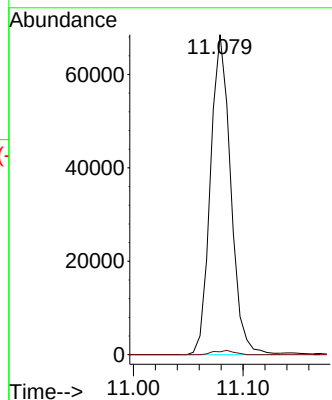
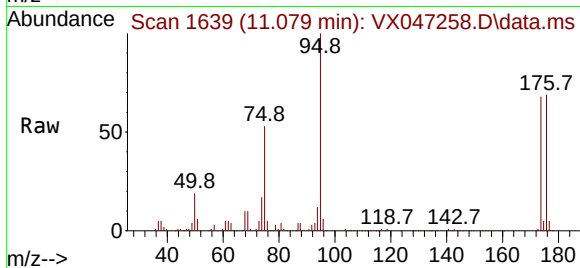
IBLK

Tgt Ion: 75 Resp: 87953

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.909 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047258.D

Acq: 07 Aug 2025 13:27

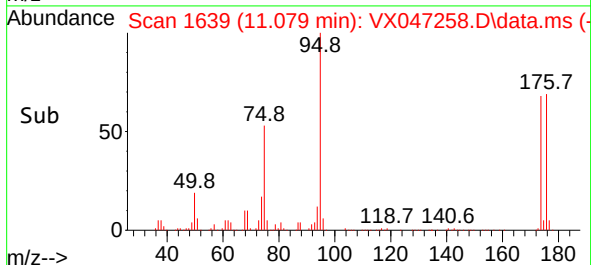
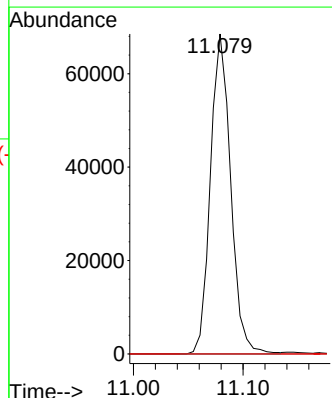
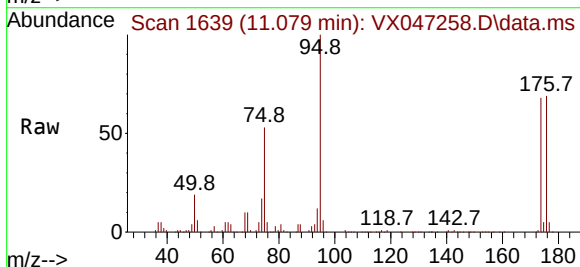
Tgt Ion: 75 Resp: 87953

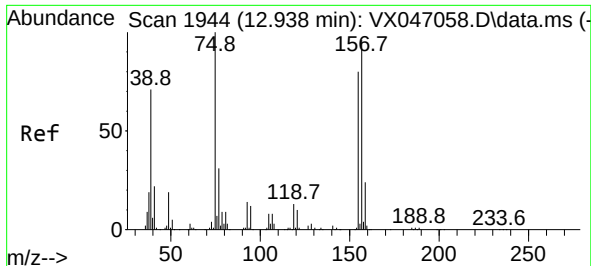
Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.225 ug/l

RT: 12.762 min Scan# 1944

Delta R.T. -0.177 min

Lab File: VX047258.D

Acq: 07 Aug 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

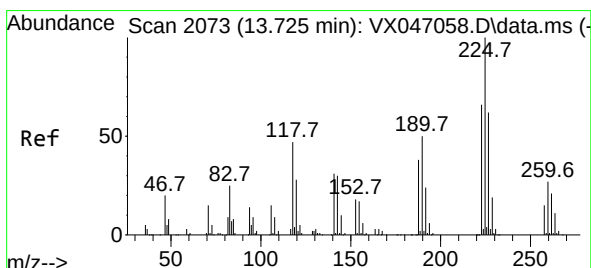
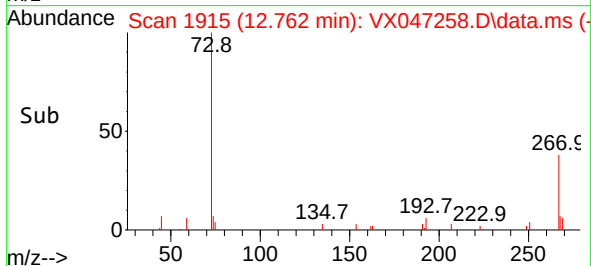
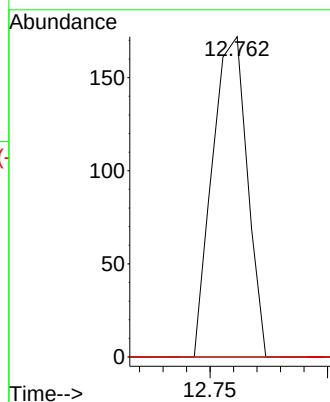
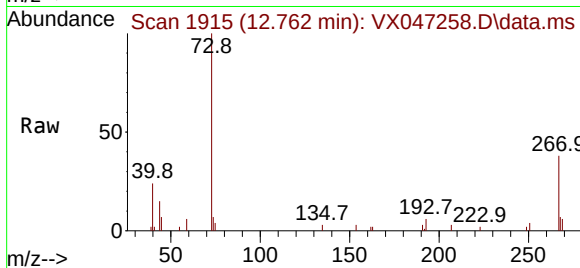
Tgt Ion: 75 Resp: 178

Ion Ratio Lower Upper

75 100

155 0.0 41.3 124.1#

157 0.0 52.8 158.3#



#94

Hexachlorobutadiene

Concen: 0.208 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX047258.D

Acq: 07 Aug 2025 13:27

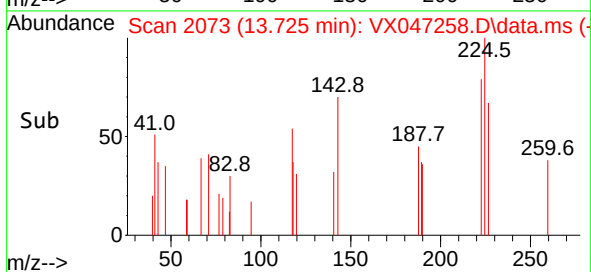
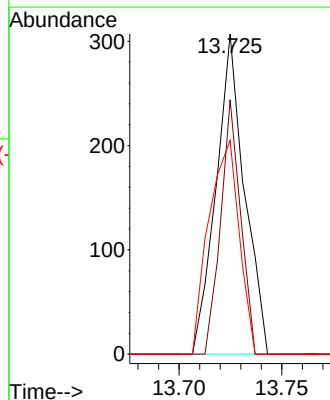
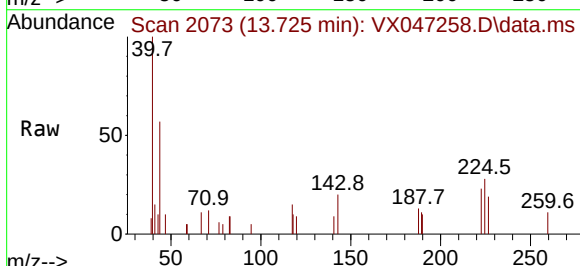
Tgt Ion: 225 Resp: 294

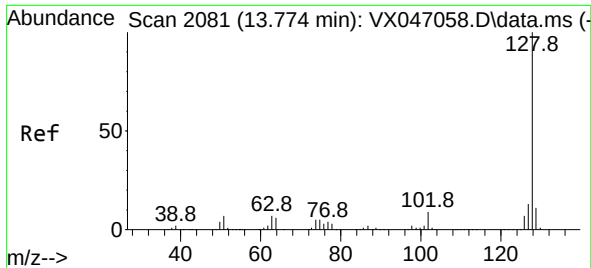
Ion Ratio Lower Upper

225 100

223 55.8 31.6 95.0

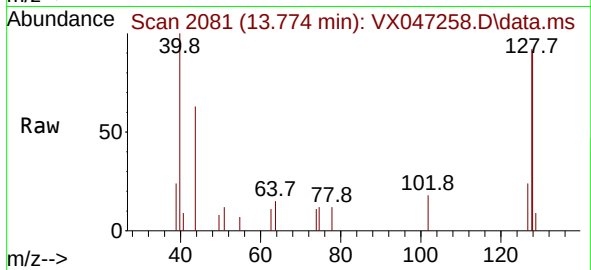
227 71.1 32.9 98.6





#95
Naphthalene
Concen: 0.258 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047258.D
Acq: 07 Aug 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion:128 Resp: 3146
Ion Ratio Lower Upper
128 100
127 15.8 10.1 15.1#
129 8.0 8.6 13.0#

