

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047650.D
 Acq On : 18 Sep 2025 18:29
 Operator : JC/MD
 Sample : Q3095-25
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

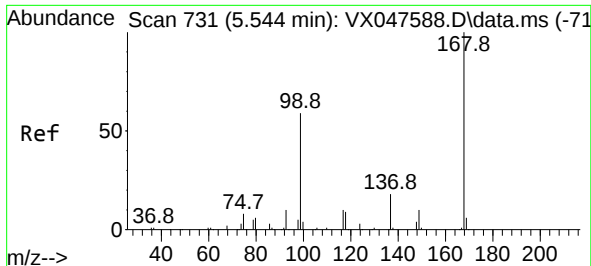
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20250910

Quant Time: Sep 19 01:35:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	167095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	311560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	253664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	142956	53.748	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	= 107.500%		
35) Dibromofluoromethane	5.373	113	106335	50.890	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 101.780%		
50) Toluene-d8	8.635	98	323179	44.699	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	= 89.400%#		
62) 4-Bromofluorobenzene	11.067	95	128276	46.749	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 93.500%		
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	15734	8.141	ug/l	98
12) 1,1-Dichloroethene	2.325	96	3873	1.951	ug/l	85
27) cis-1,2-Dichloroethene	4.489	96	4811	1.838	ug/l	86
30) Chloroform	5.087	83	3435	0.806	ug/l	94
38) Carbon Tetrachloride	5.678	117	4273	1.288	ug/l #	89
44) Trichloroethene	7.117	130	6398112	2853.770	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	2123	0.964	ug/l	95
64) Tetrachloroethene	9.263	164	6179	3.737	ug/l	92

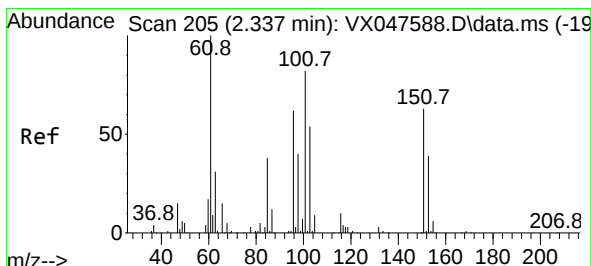
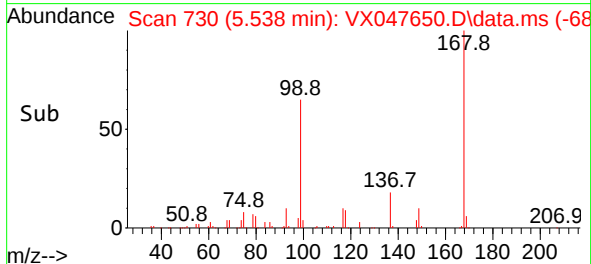
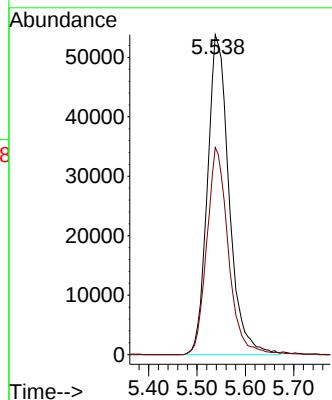
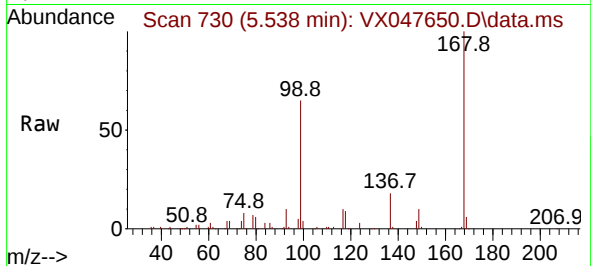
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

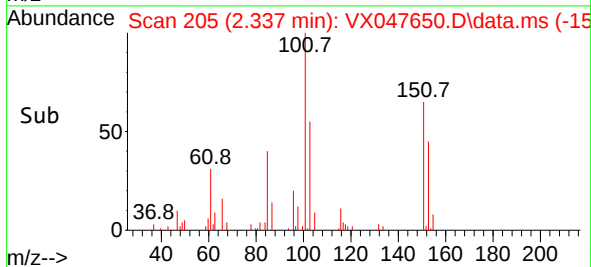
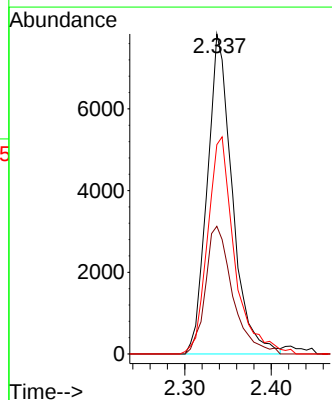
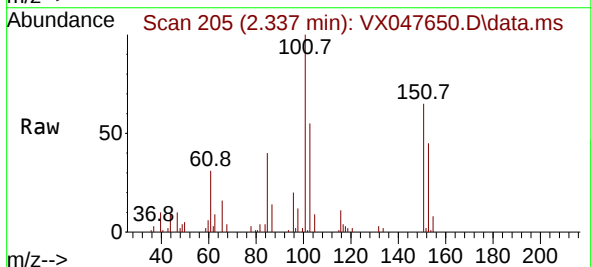
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

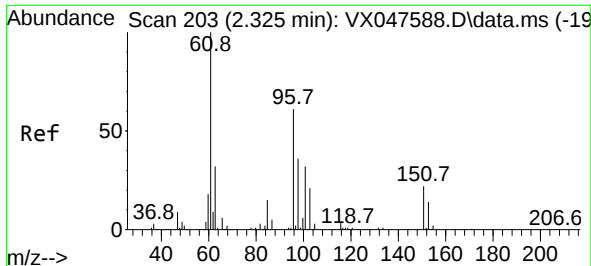
Tgt Ion:168 Resp: 167095
Ion Ratio Lower Upper
168 100
99 64.7 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.141 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion:101 Resp: 15734
Ion Ratio Lower Upper
101 100
85 43.3 35.5 53.3
151 72.5 59.4 89.0





#12

1,1-Dichloroethene

Concen: 1.951 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX047650.D

Acq: 18 Sep 2025 18:29

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20250910

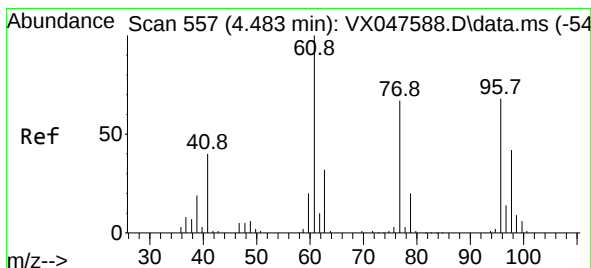
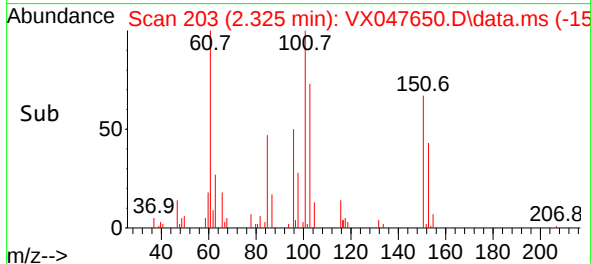
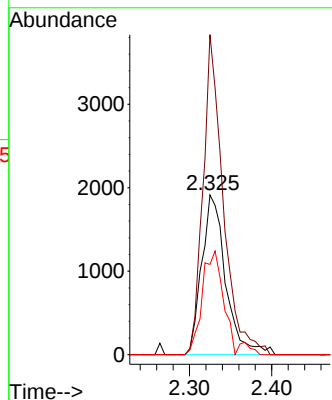
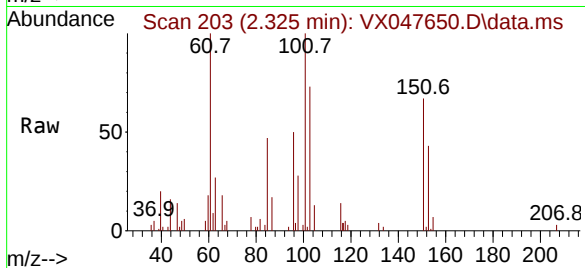
Tgt Ion: 96 Resp: 3873

Ion Ratio Lower Upper

96 100

61 186.5 131.0 196.6

98 52.6 47.7 71.5



#27

cis-1,2-Dichloroethene

Concen: 1.838 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX047650.D

Acq: 18 Sep 2025 18:29

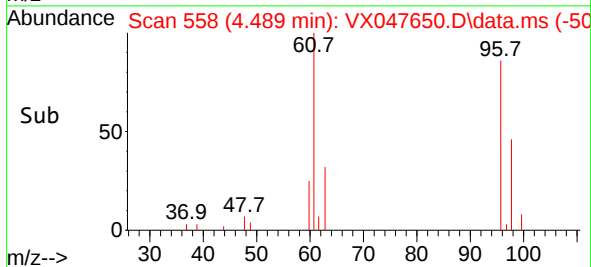
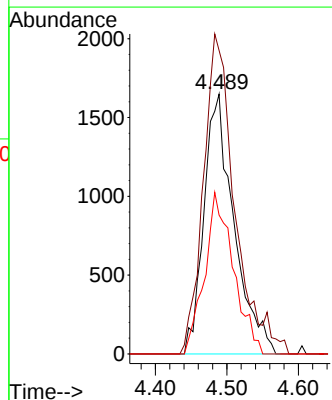
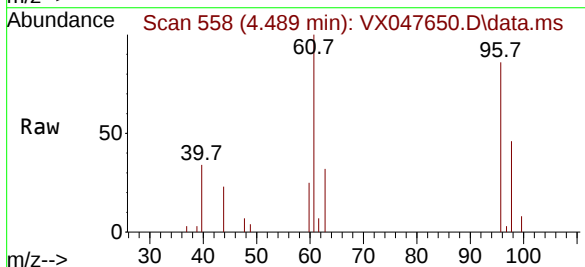
Tgt Ion: 96 Resp: 4811

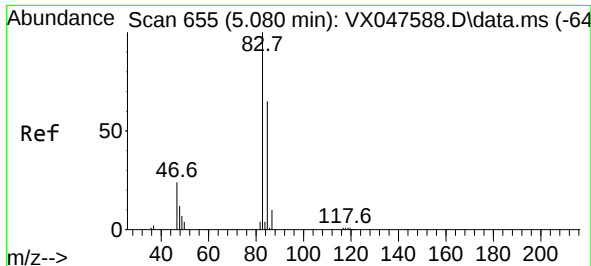
Ion Ratio Lower Upper

96 100

61 128.6 0.0 303.2

98 59.5 0.0 127.8

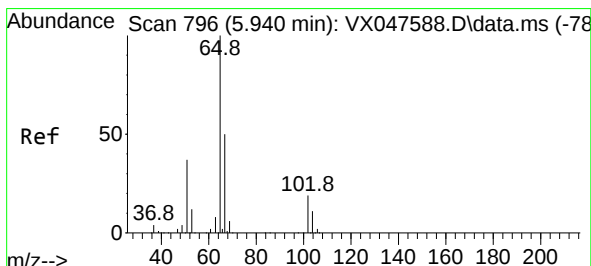
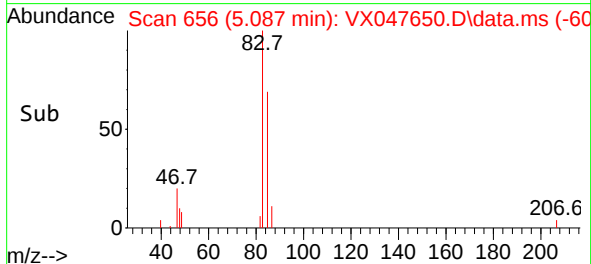
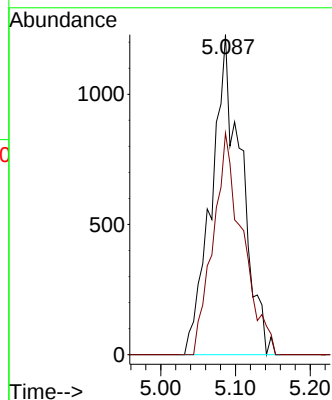
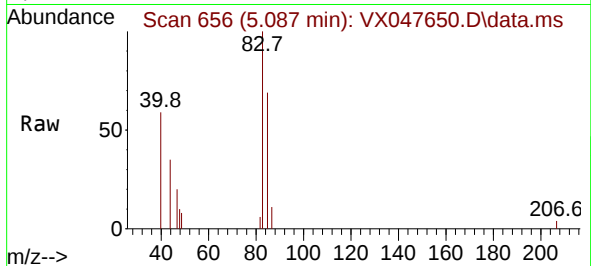




#30
Chloroform
Concen: 0.806 ug/l
RT: 5.087 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

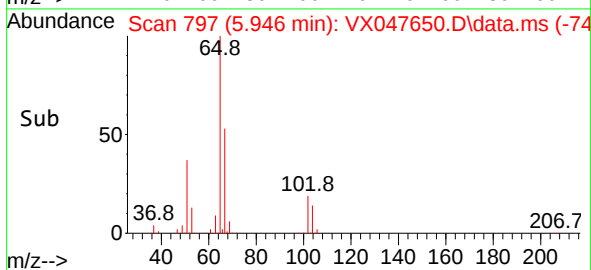
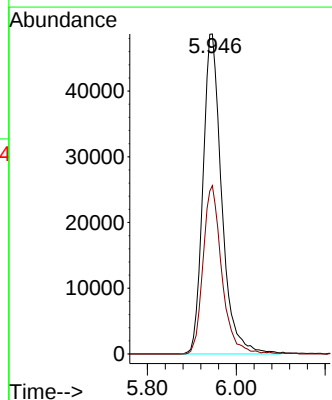
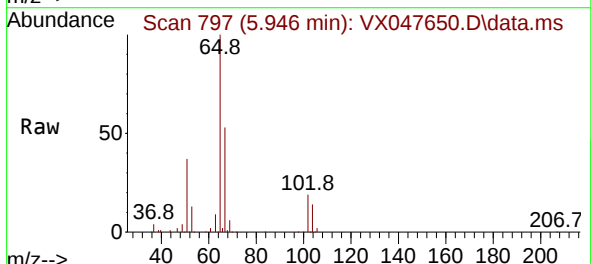
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

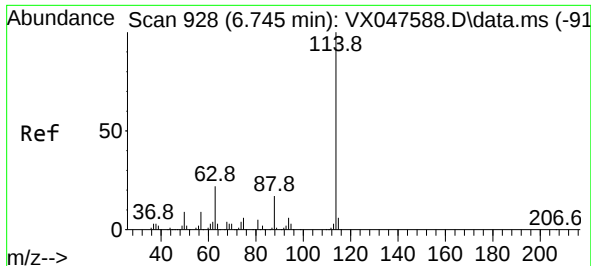
Tgt Ion: 83 Resp: 3435
Ion Ratio Lower Upper
83 100
85 69.2 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: 53.748 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion: 65 Resp: 142956
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0

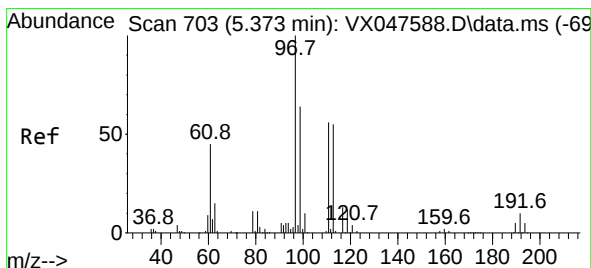
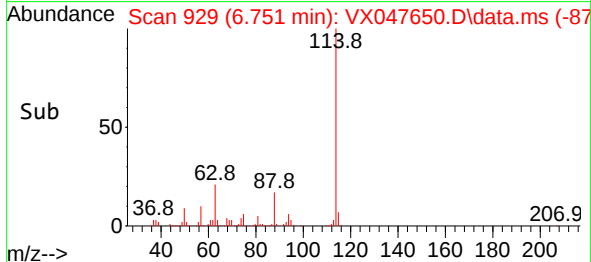
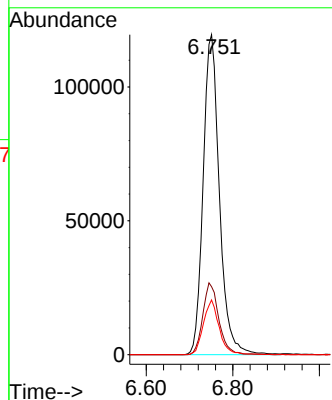
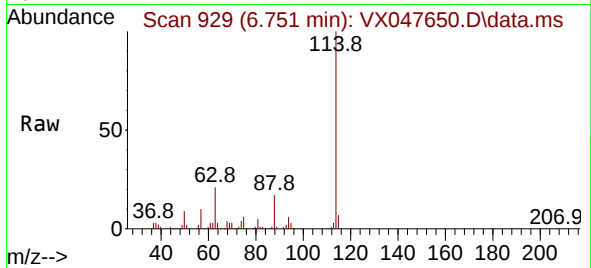




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

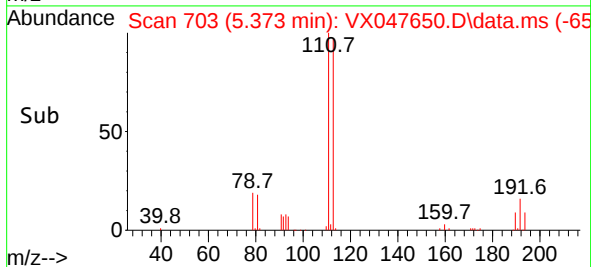
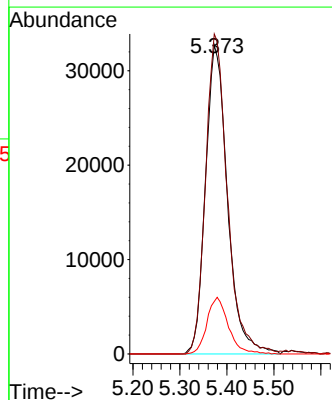
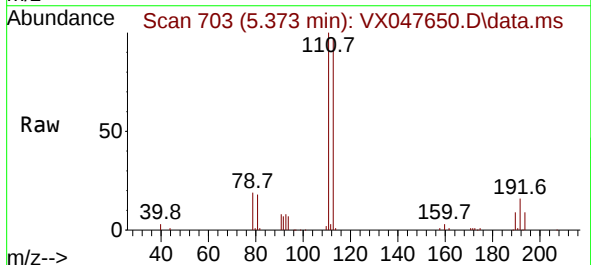
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

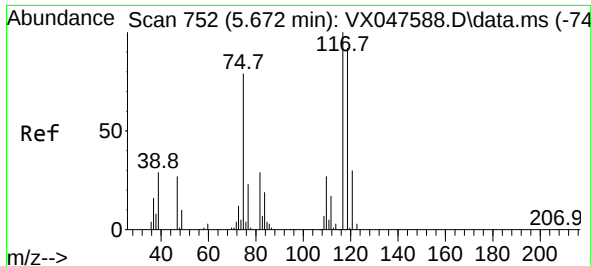
Tgt Ion:114 Resp: 311560
Ion Ratio Lower Upper
114 100
63 21.3 0.0 44.0
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.890 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion:113 Resp: 106335
Ion Ratio Lower Upper
113 100
111 102.5 80.9 121.3
192 17.9 14.2 21.4





#38

Carbon Tetrachloride

Concen: 1.288 ug/l

RT: 5.678 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX047650.D

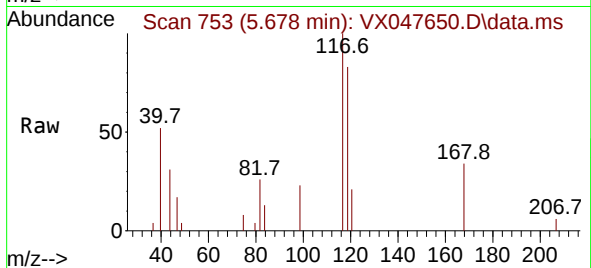
Acq: 18 Sep 2025 18:29

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20250910



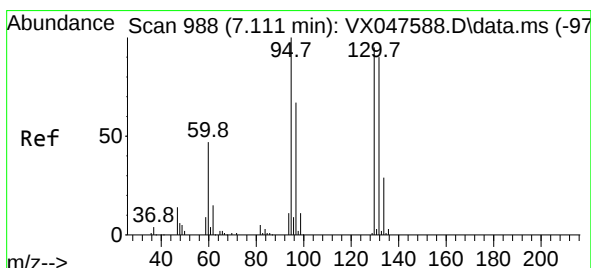
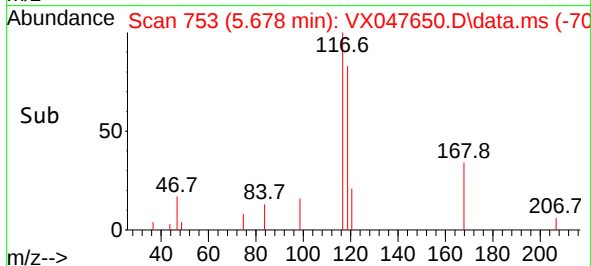
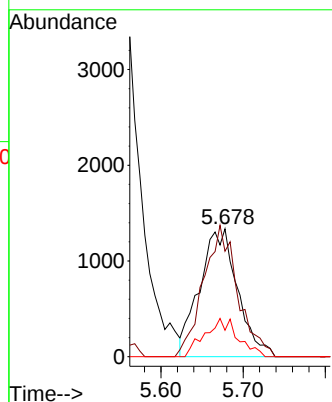
Tgt Ion:117 Resp: 4273

Ion Ratio Lower Upper

117 100

119 82.5 73.4 110.2

121 20.7 23.8 35.6#



#44

Trichloroethene

Concen: 2853.770 ug/l

RT: 7.117 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX047650.D

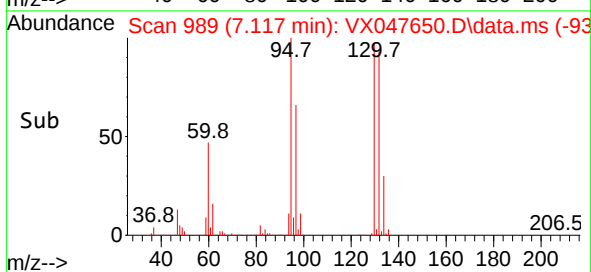
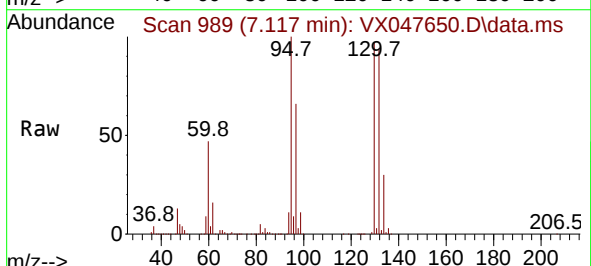
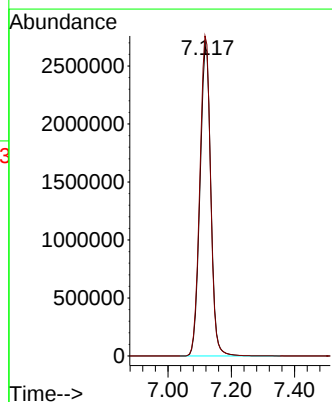
Acq: 18 Sep 2025 18:29

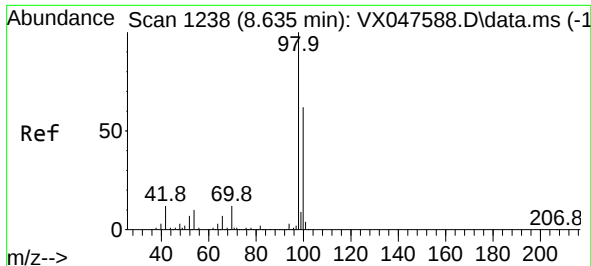
Tgt Ion:130 Resp: 6398112

Ion Ratio Lower Upper

130 100

95 103.6 0.0 210.8

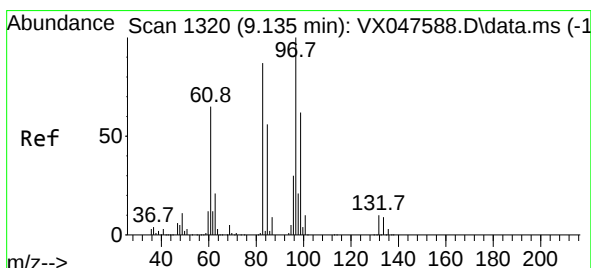
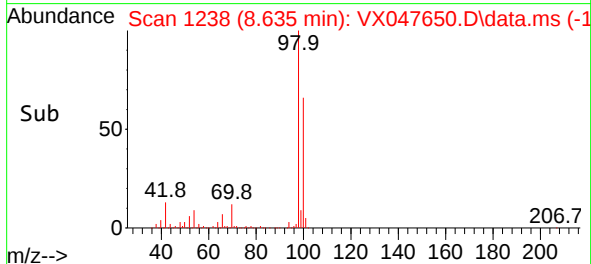
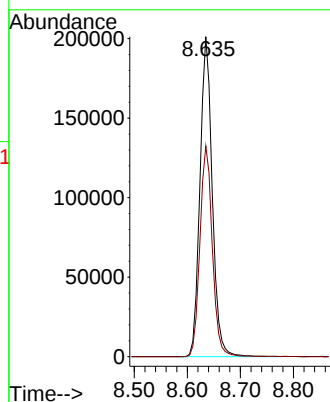
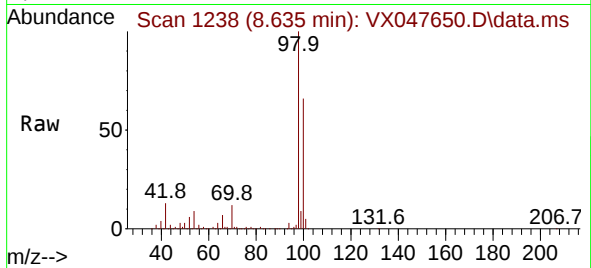




#50
Toluene-d8
Concen: 44.699 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

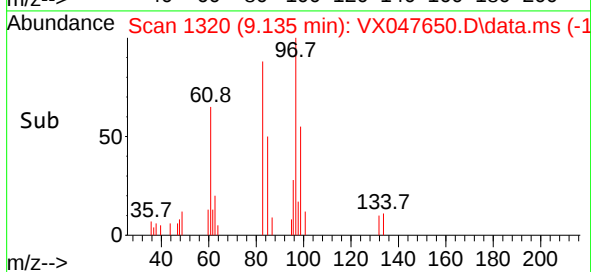
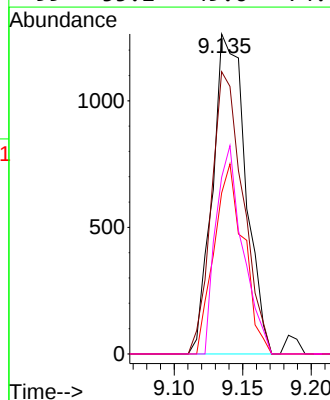
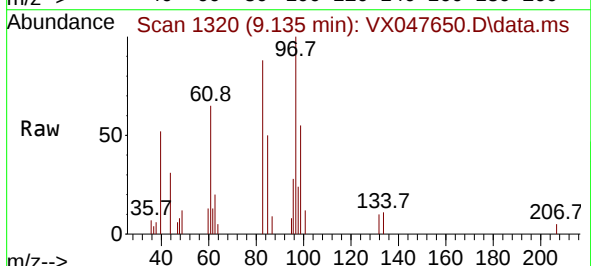
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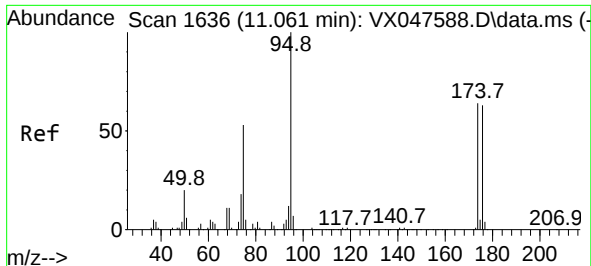
Tgt Ion: 98 Resp: 323179
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 0.964 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion: 97 Resp: 2123
Ion Ratio Lower Upper
97 100
83 88.2 69.6 104.4
85 50.3 45.0 67.6
99 55.2 49.6 74.4

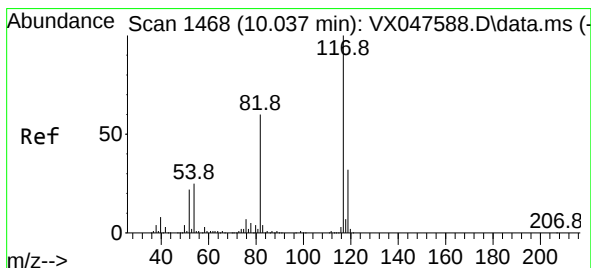
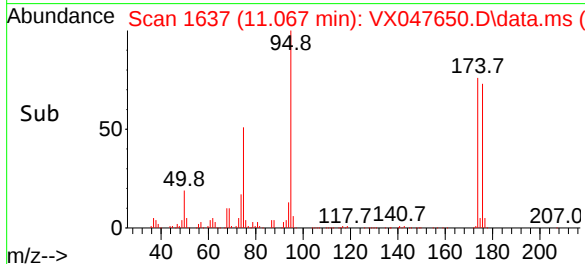
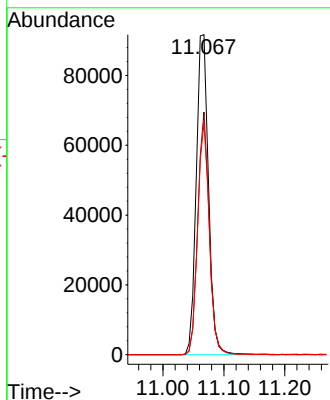
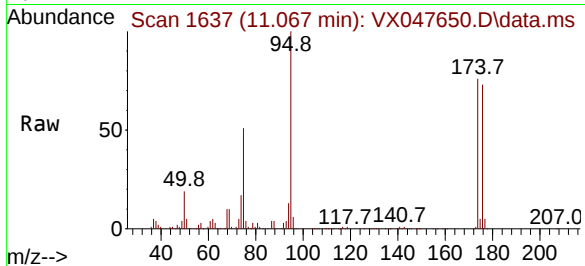




#62
4-Bromofluorobenzene
Concen: 46.749 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

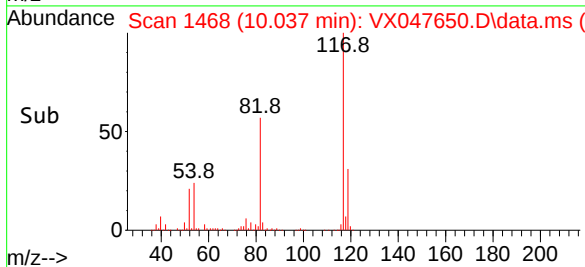
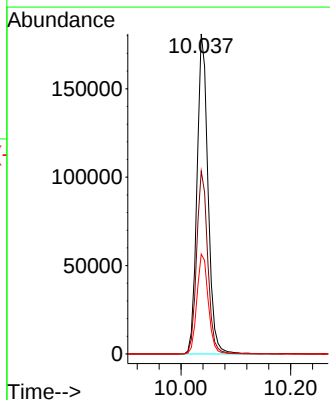
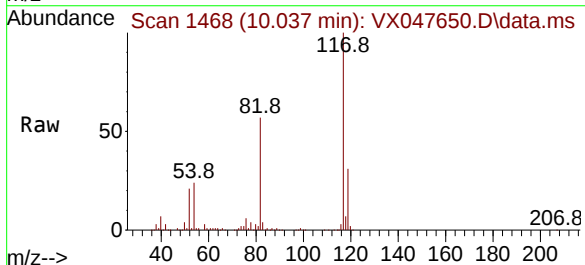
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

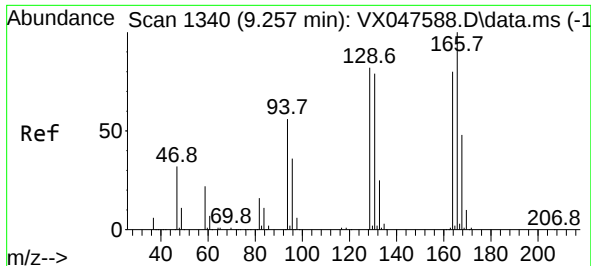
Tgt Ion: 95 Resp: 128276
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.6
176 68.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion: 117 Resp: 253664
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.6
119 31.2 25.2 37.8

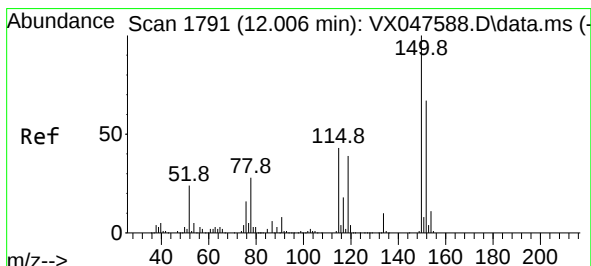
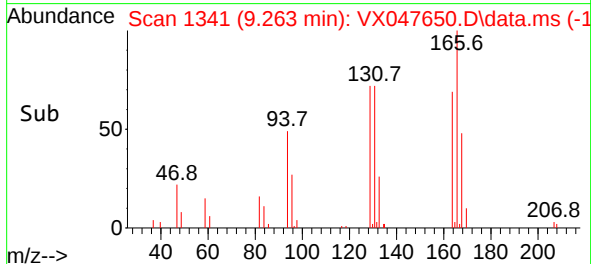
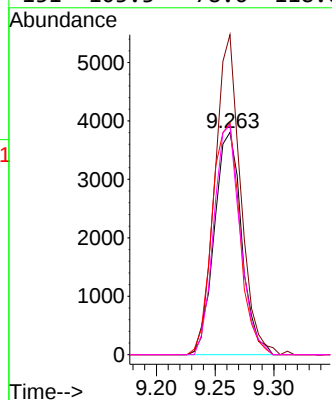
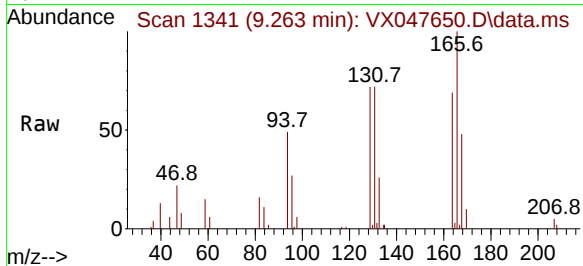




#64
Tetrachloroethene
Concen: 3.737 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion:164 Resp: 6179
Ion Ratio Lower Upper
164 100
166 144.0 100.2 150.2
129 104.3 81.8 122.6
131 103.3 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion:152 Resp: 122561
Ion Ratio Lower Upper
152 100
115 63.4 44.9 134.5
150 158.5 0.0 352.0

