

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092625\
 Data File : VX047857.D
 Acq On : 26 Sep 2025 14:46
 Operator : JC/MD
 Sample : Q3156-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20250918RE

Quant Time: Sep 26 23:15:59 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)

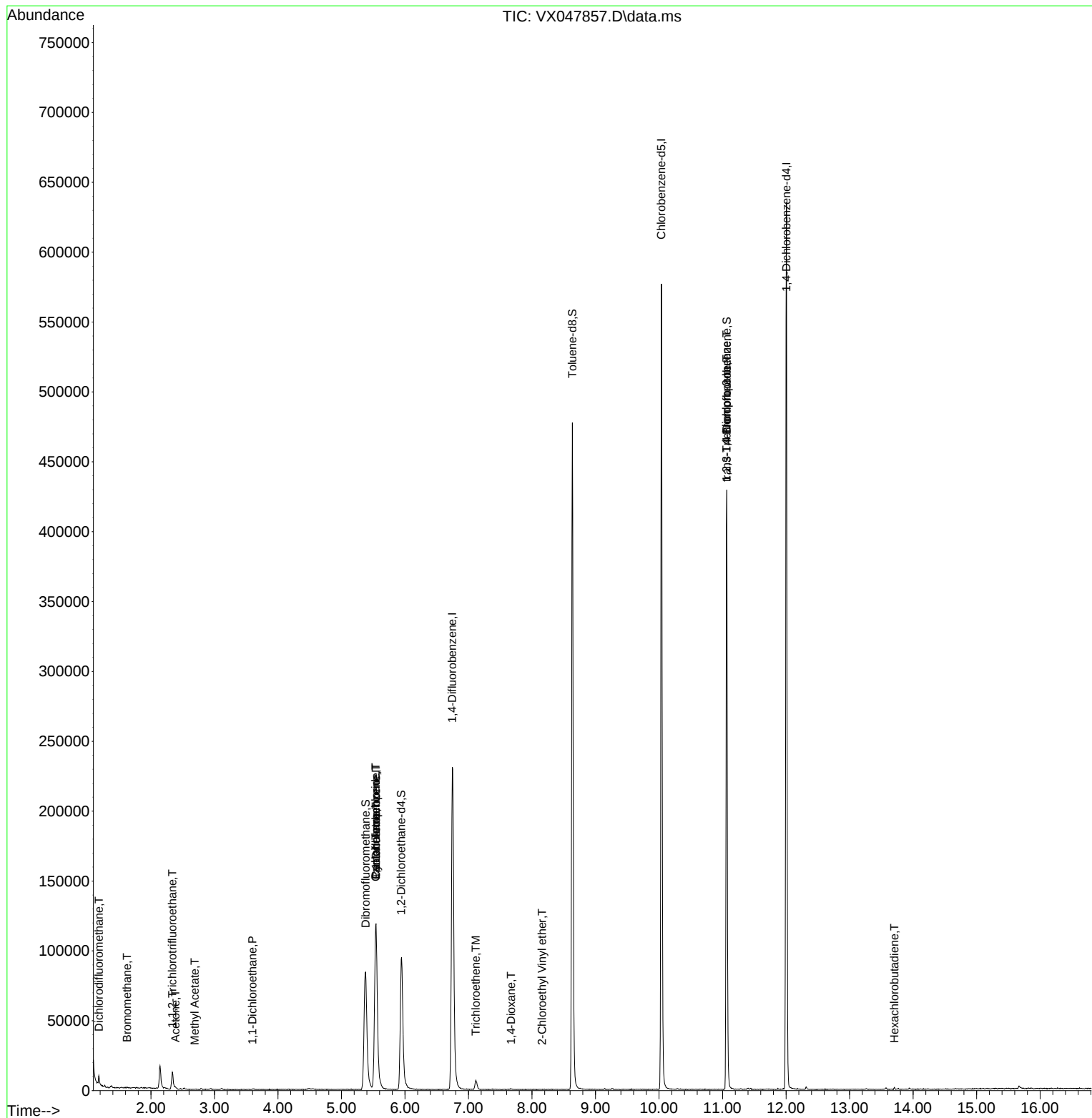
Internal Standards						
1) Pentafluorobenzene	5.543	168	120522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	256817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	262391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	103995	54.209	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.420%		
35) Dibromofluoromethane	5.379	113	84213	48.894	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.780%		
50) Toluene-d8	8.634	98	291128	48.850	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.700%		
62) 4-Bromofluorobenzene	11.067	95	122968	54.367	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 108.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.178	85	2531	2.028	ug/l	97
5) Bromomethane	1.623	94	224	0.220	ug/l #	71
9) 1,1,2-Trichlorotrifluo...	2.337	101	5480	3.931	ug/l	96
16) Acetone	2.385	43	1087	1.303	ug/l #	66
18) Methyl Acetate	2.690	43	528	0.284	ug/l #	54
24) 1,1-Dichloroethane	3.599	63	919	0.302	ug/l #	81
31) Cyclohexane	5.543	56	2471	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	10067	4.000	ug/l #	52
38) Carbon Tetrachloride	5.537	117	12807	4.683	ug/l #	18
44) Trichloroethene	7.116	130	2735	1.480	ug/l	99
49) 1,4-Dioxane	7.671	88	555	24.946	ug/l #	39
58) 2-Chloroethyl Vinyl ether	8.159	63	60	7.937	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	63536	23.939	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	63536	61.047	ug/l #	8
94) Hexachlorobutadiene	13.707	225	290	0.302	ug/l	87

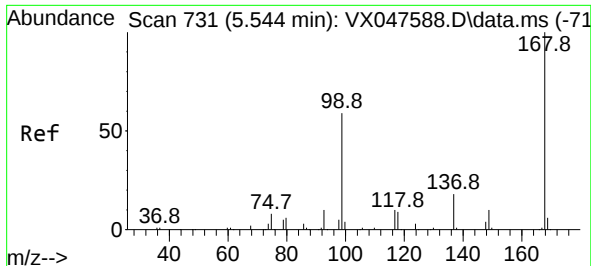
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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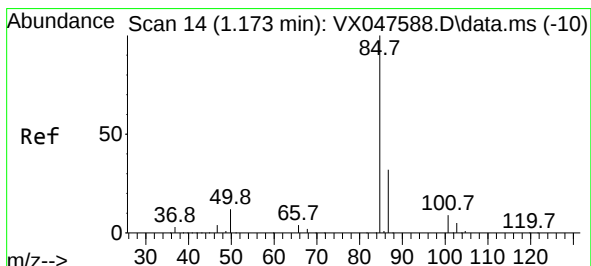
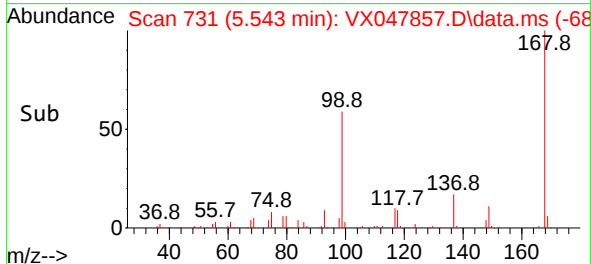
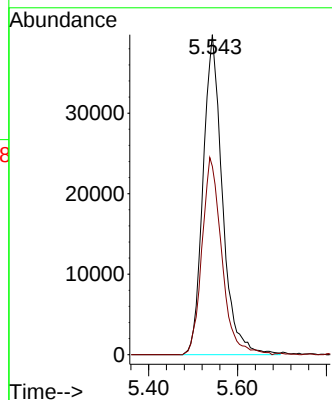
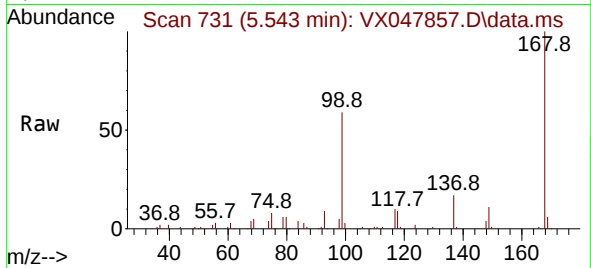




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

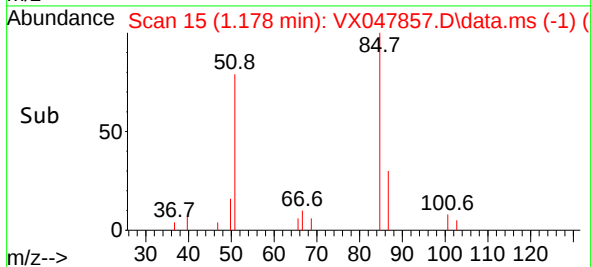
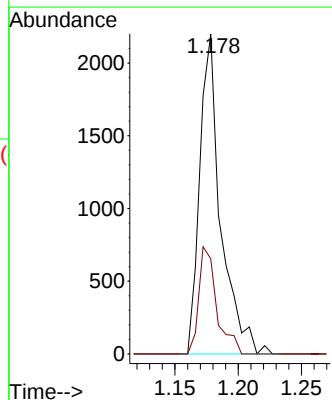
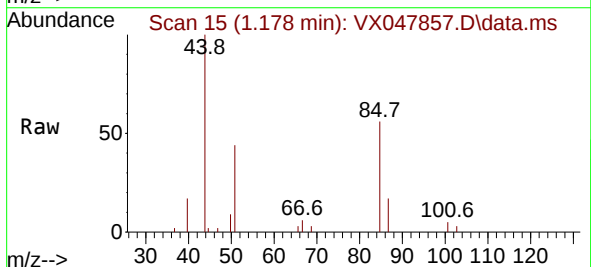
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250918RE

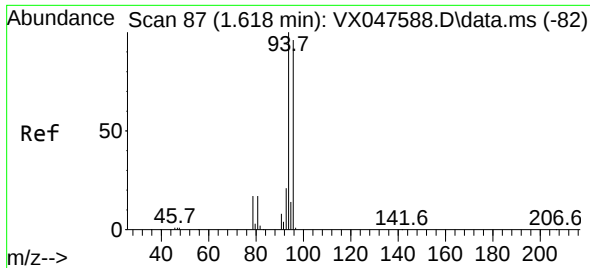
Tgt Ion:168 Resp: 120522
Ion Ratio Lower Upper
168 100
99 58.8 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 2.028 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

Tgt Ion: 85 Resp: 2531
Ion Ratio Lower Upper
85 100
87 29.7 15.8 47.3

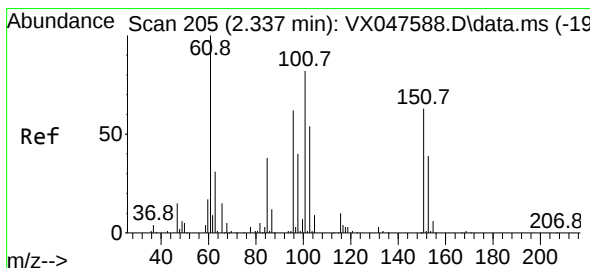
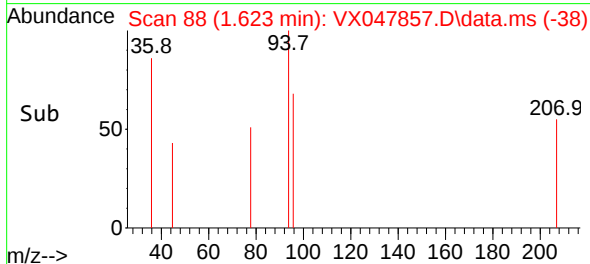
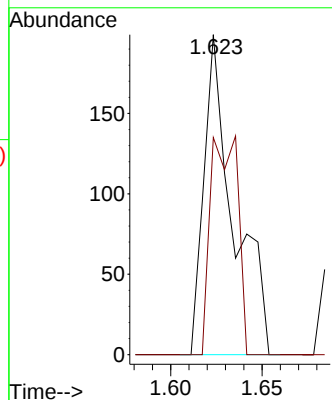
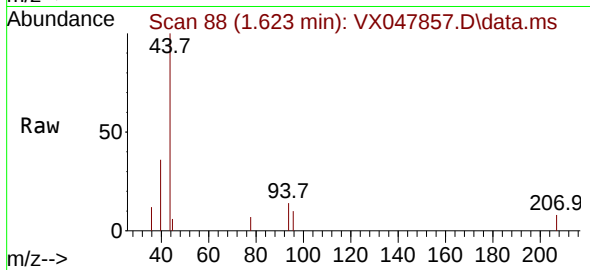




#5
 Bromomethane
 Concen: 0.220 ug/l
 RT: 1.623 min Scan# 87
 Delta R.T. 0.006 min
 Lab File: VX047857.D
 Acq: 26 Sep 2025 14:46

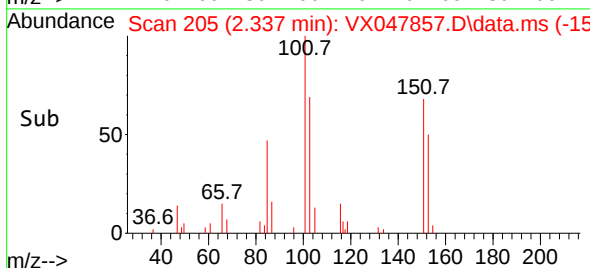
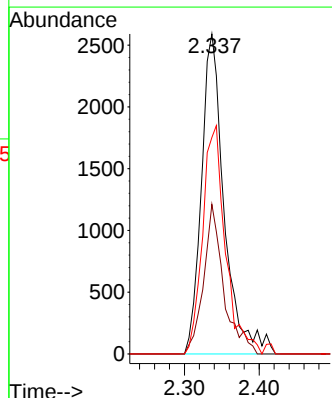
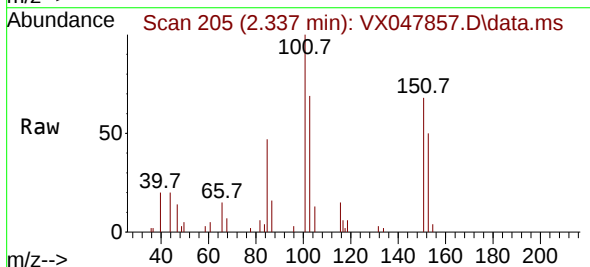
Instrument :
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 ClientSampleId :
 RE132D2-20250918RE

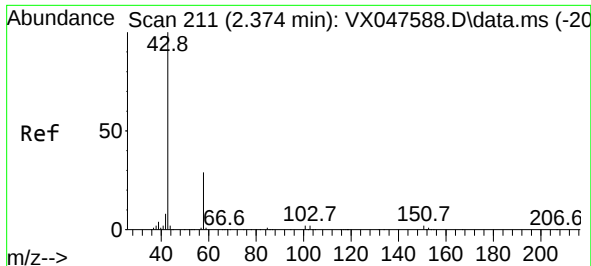
Tgt Ion: 94 Resp: 224
 Ion Ratio Lower Upper
 94 100
 96 67.8 76.6 115.0#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.931 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX047857.D
 Acq: 26 Sep 2025 14:46

Tgt Ion: 101 Resp: 5480
 Ion Ratio Lower Upper
 101 100
 85 41.3 35.5 53.3
 151 71.2 59.4 89.0

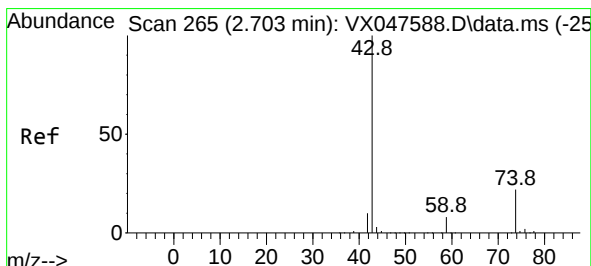
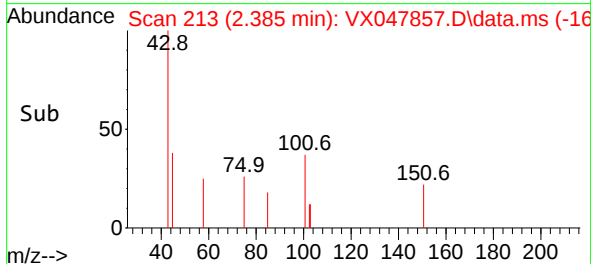
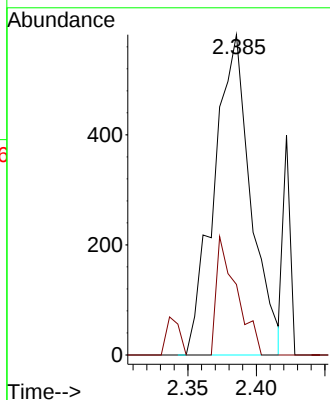
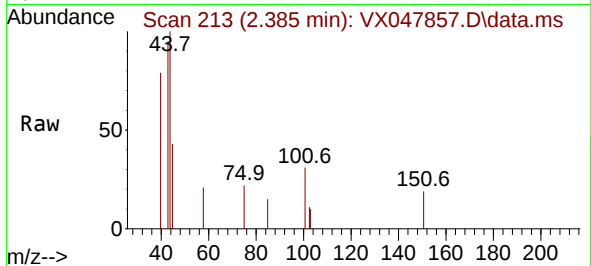




#16
Acetone
Concen: 1.303 ug/l
RT: 2.385 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

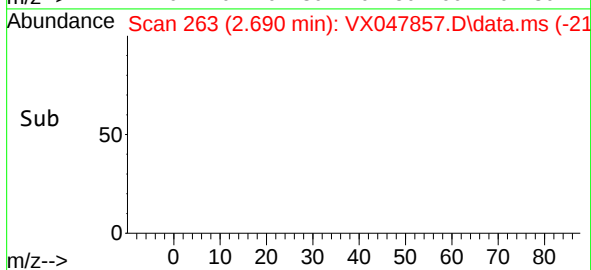
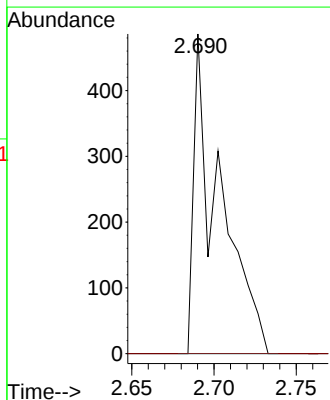
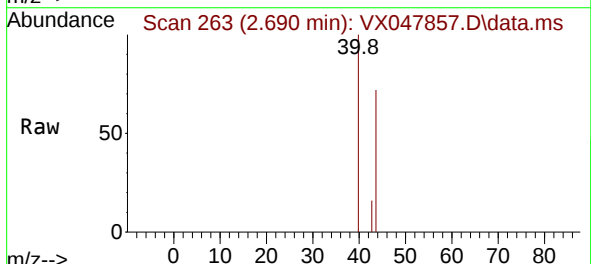
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250918RE

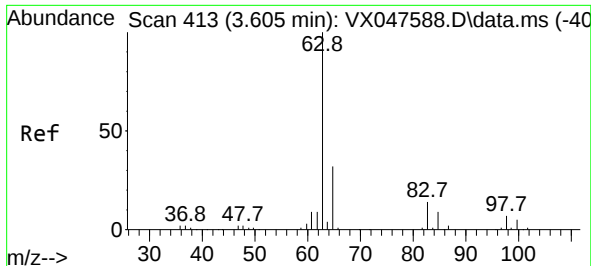
Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
58 10.7 23.4 35.0#



#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 2.690 min Scan# 263
Delta R.T. -0.013 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

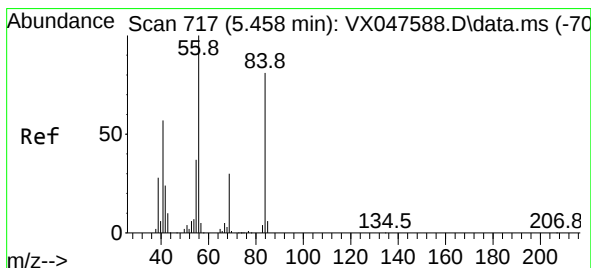
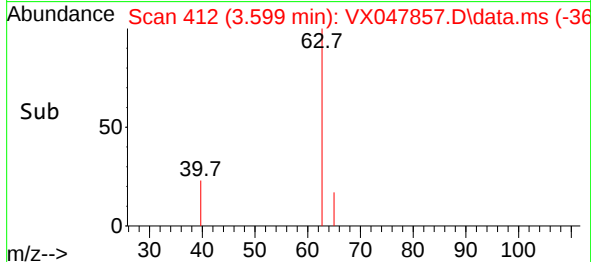
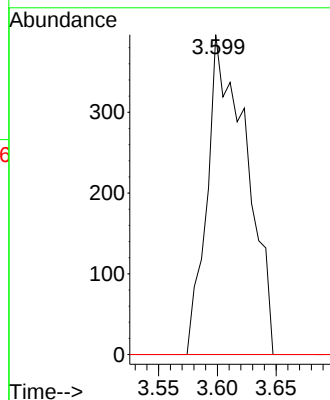
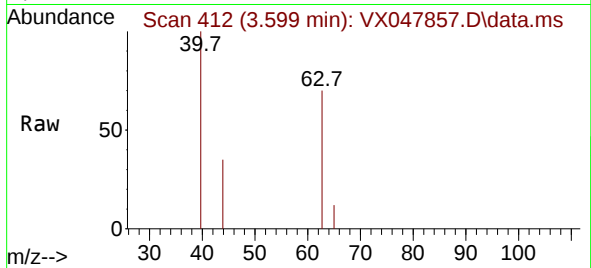




#24
1,1-Dichloroethane
Concen: 0.302 ug/l
RT: 3.599 min Scan# 413
Delta R.T. -0.007 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

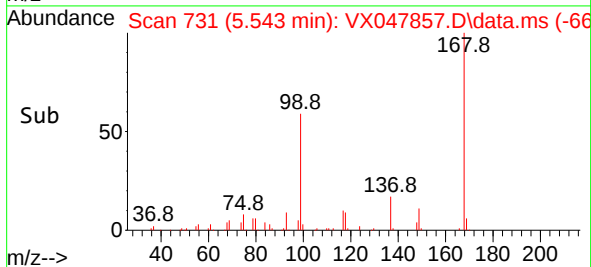
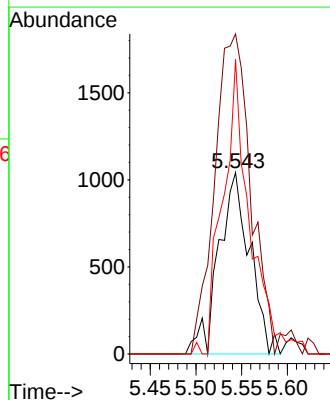
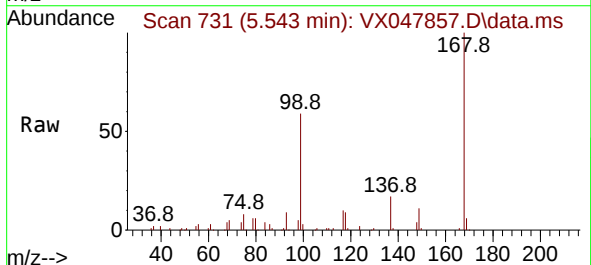
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250918RE

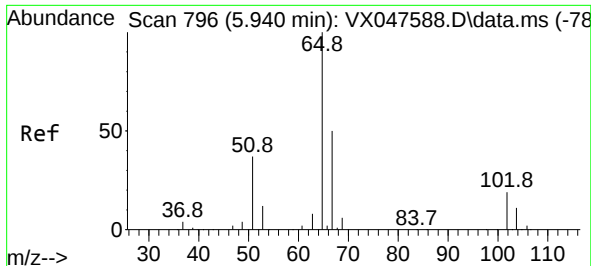
Tgt Ion: 63 Resp: 919
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#



#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

Tgt Ion: 56 Resp: 2471
Ion Ratio Lower Upper
56 100
69 176.4 23.8 35.8#
84 162.3 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.209 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047857.D

Acq: 26 Sep 2025 14:46

Instrument :

MSVOA_X

ClientSampleId :

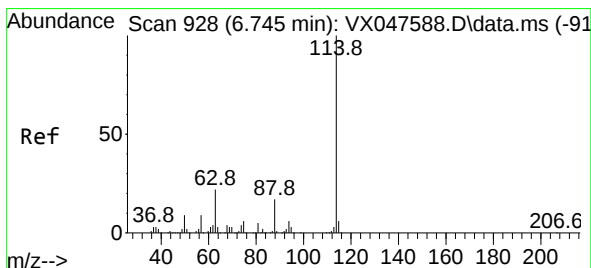
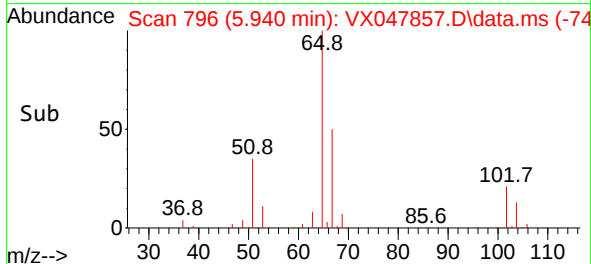
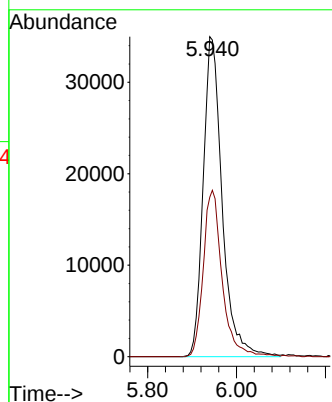
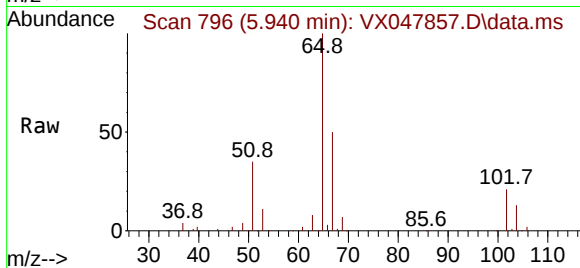
RE132D2-20250918RE

Tgt Ion: 65 Resp: 103995

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047857.D

Acq: 26 Sep 2025 14:46

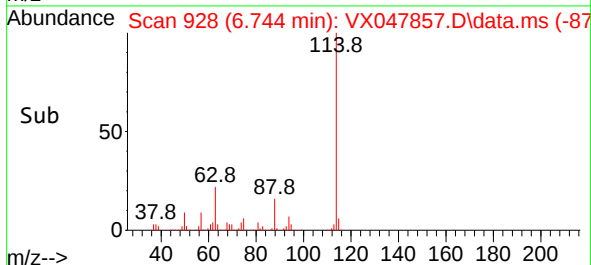
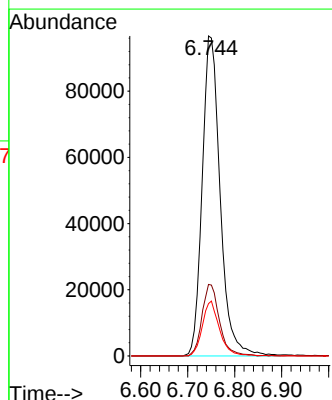
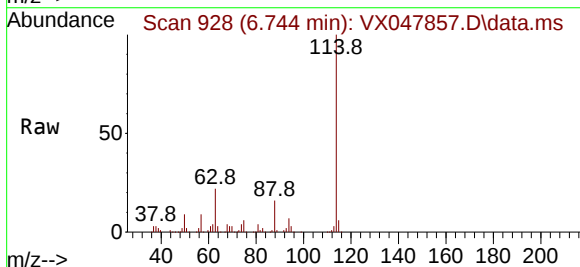
Tgt Ion: 114 Resp: 256817

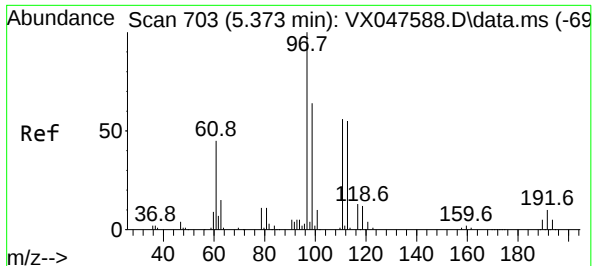
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.894 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047857.D

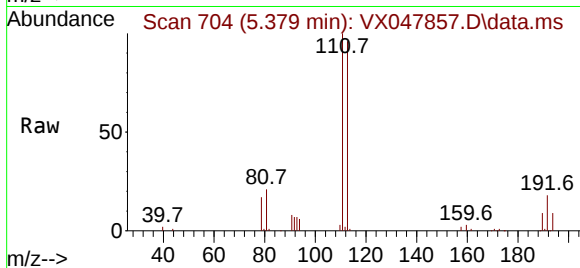
Acq: 26 Sep 2025 14:46

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20250918RE



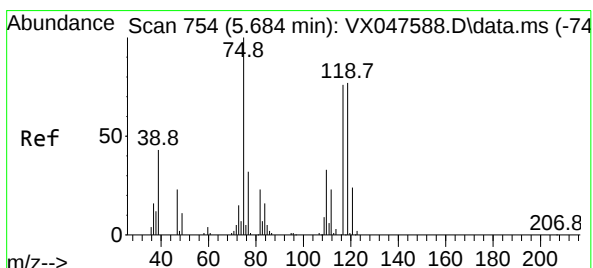
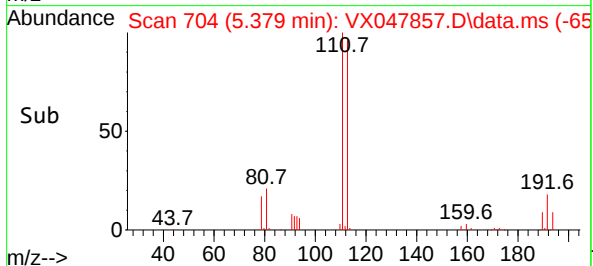
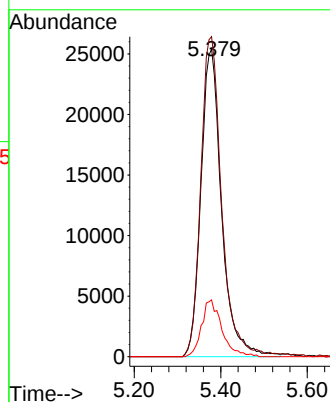
Tgt Ion:113 Resp: 84213

Ion Ratio Lower Upper

113 100

111 104.3 80.9 121.3

192 18.1 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.000 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.141 min

Lab File: VX047857.D

Acq: 26 Sep 2025 14:46

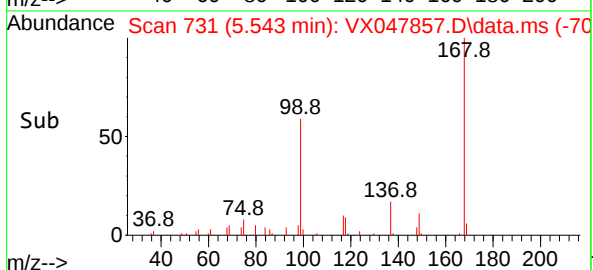
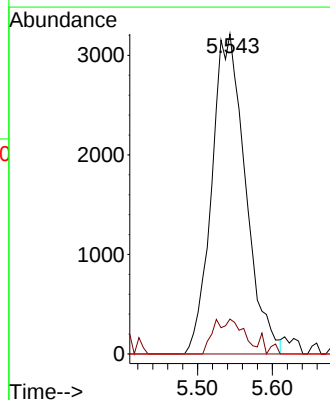
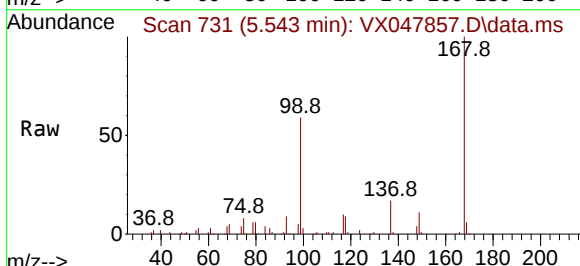
Tgt Ion: 75 Resp: 10067

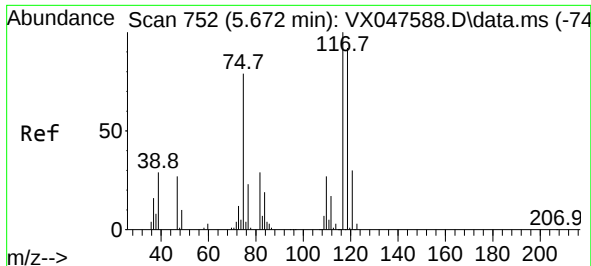
Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.1#

77 0.0 24.3 36.5#

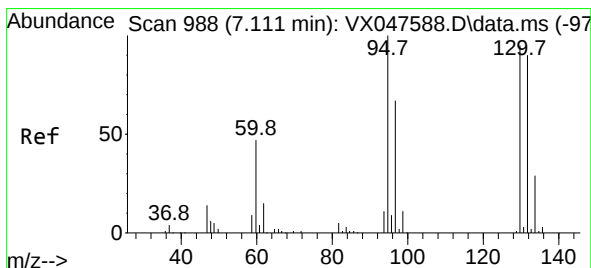
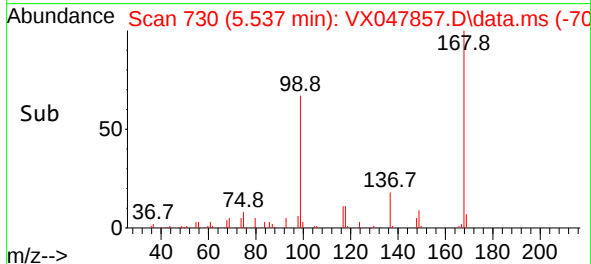
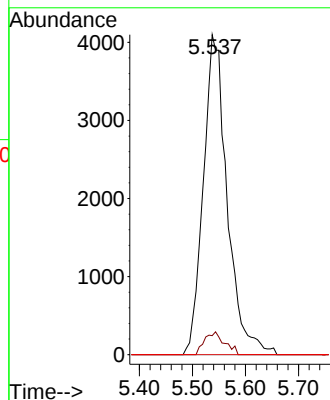
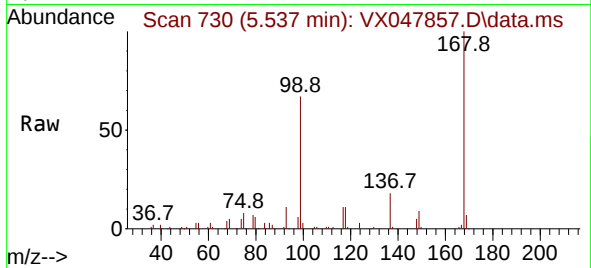




#38
Carbon Tetrachloride
Concen: 4.683 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.135 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

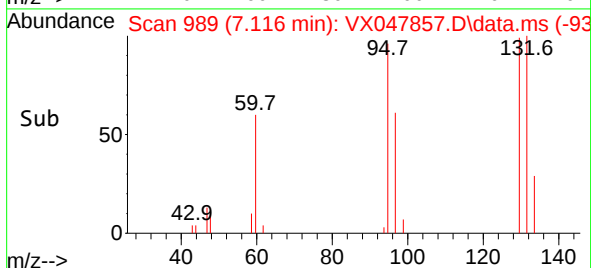
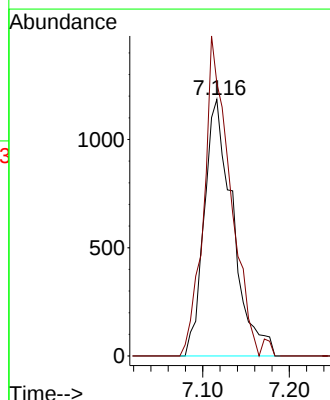
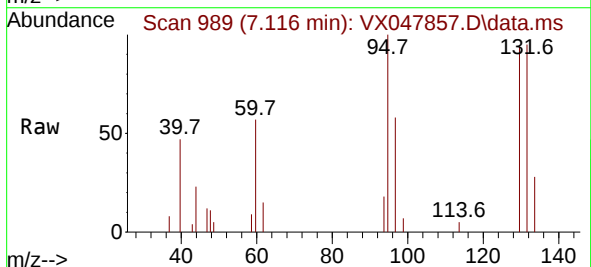
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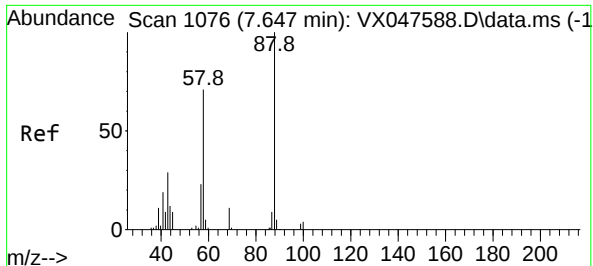
Tgt Ion:117 Resp: 12807
Ion Ratio Lower Upper
117 100
119 5.9 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 1.480 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

Tgt Ion:130 Resp: 2735
Ion Ratio Lower Upper
130 100
95 106.4 0.0 210.8





#49

1,4-Dioxane

Concen: 24.946 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.024 min

Lab File: VX047857.D

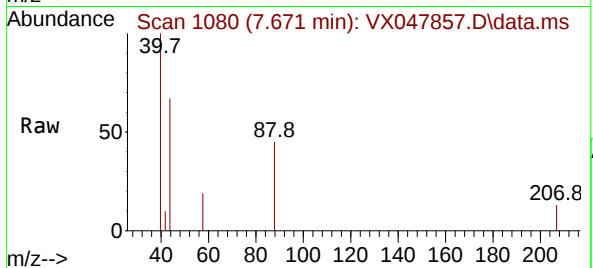
Acq: 26 Sep 2025 14:46

Instrument :

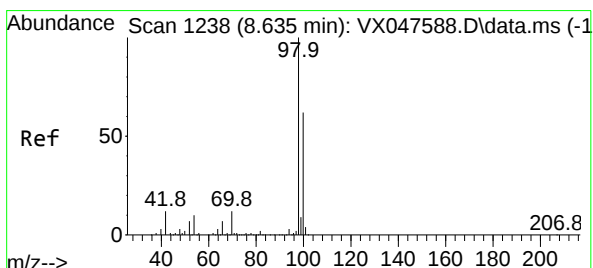
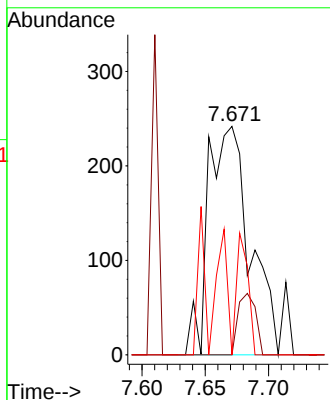
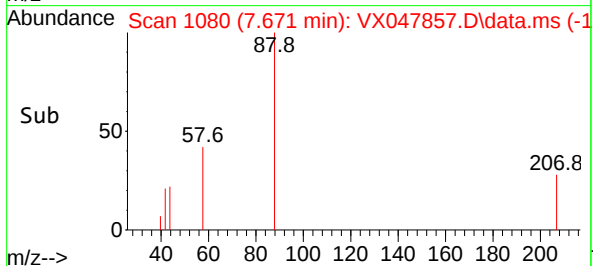
MSVOA_X

ClientSampleId :

RE132D2-20250918RE



Tgt Ion:	88	Resp:	555
Ion	Ratio	Lower	Upper
88	100		
43	11.4	30.2	45.2#
58	14.8	59.5	89.3#



#50

Toluene-d8

Concen: 48.850 ug/l

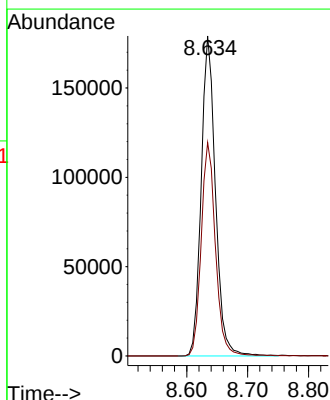
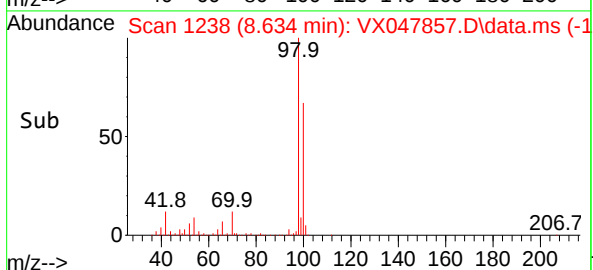
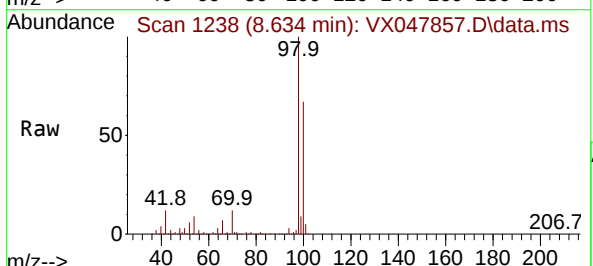
RT: 8.634 min Scan# 1238

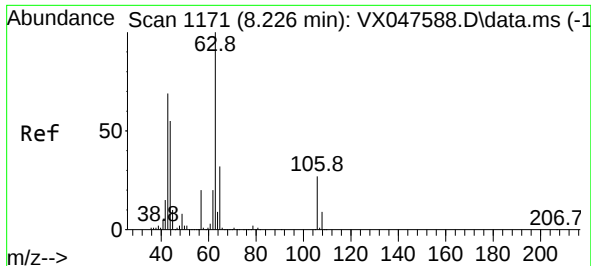
Delta R.T. -0.000 min

Lab File: VX047857.D

Acq: 26 Sep 2025 14:46

Tgt Ion:	98	Resp:	291128
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4

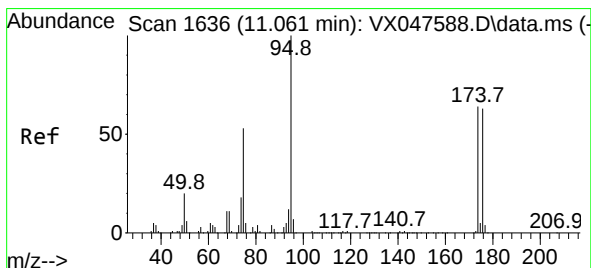
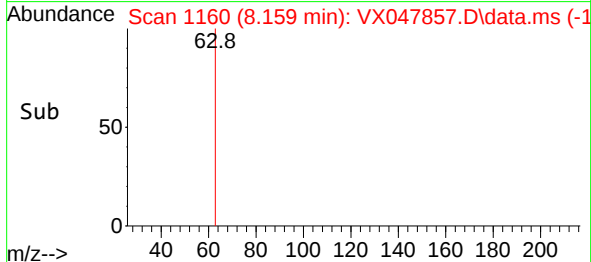
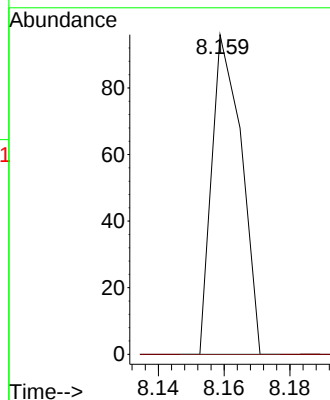
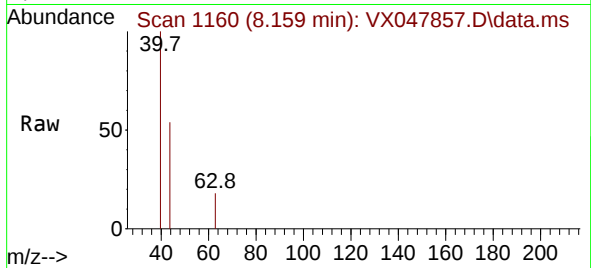




#58
2-Chloroethyl Vinyl ether
Concen: 7.937 ug/l
RT: 8.159 min Scan# 1171
Delta R.T. -0.067 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

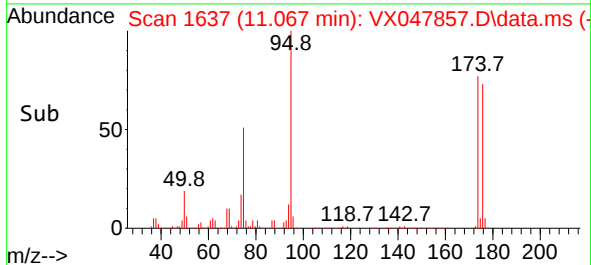
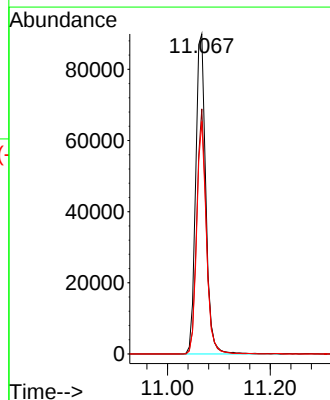
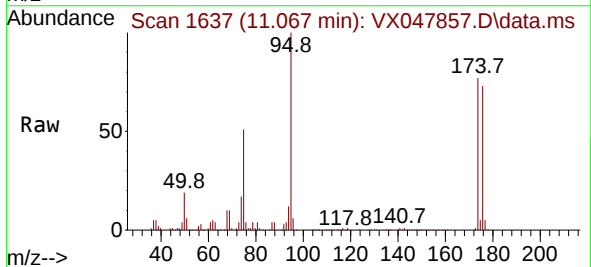
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250918RE

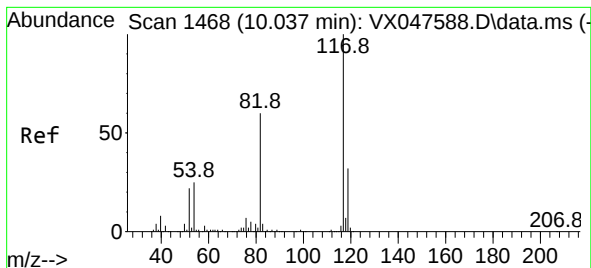
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#62
4-Bromofluorobenzene
Concen: 54.367 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

Tgt Ion: 95 Resp: 122968
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.6
176 69.0 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047857.D

Acq: 26 Sep 2025 14:46

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20250918RE

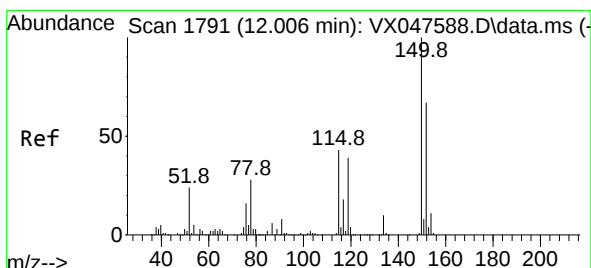
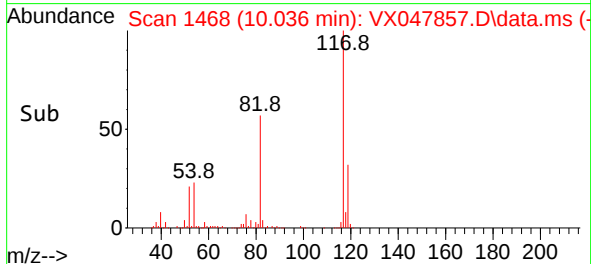
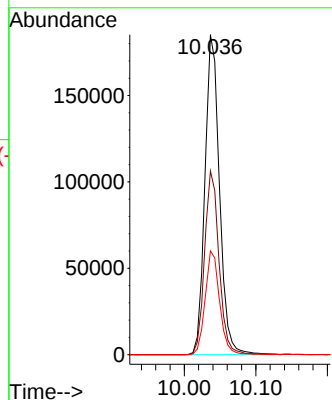
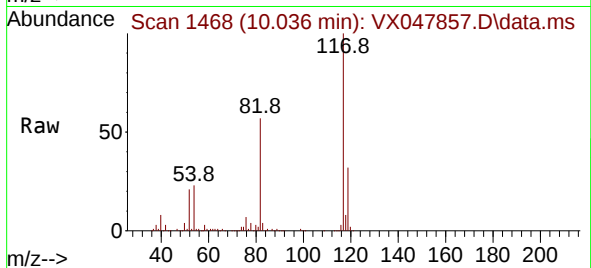
Tgt Ion:117 Resp: 262391

Ion Ratio Lower Upper

117 100

82 57.4 47.8 71.6

119 32.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047857.D

Acq: 26 Sep 2025 14:46

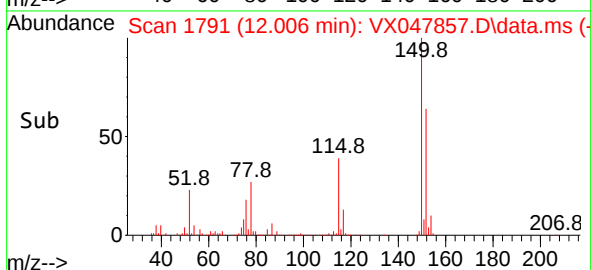
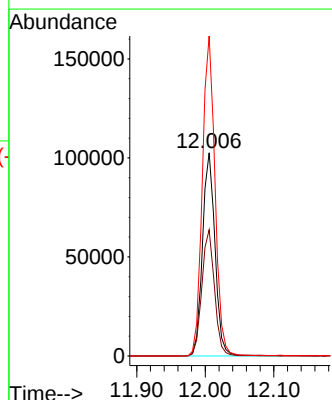
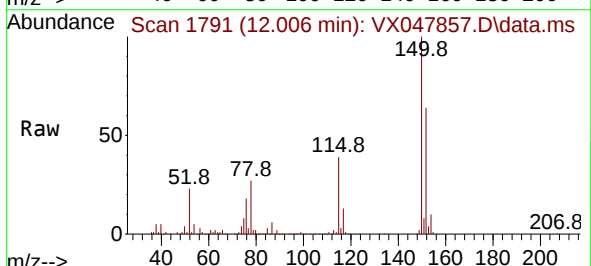
Tgt Ion:152 Resp: 131088

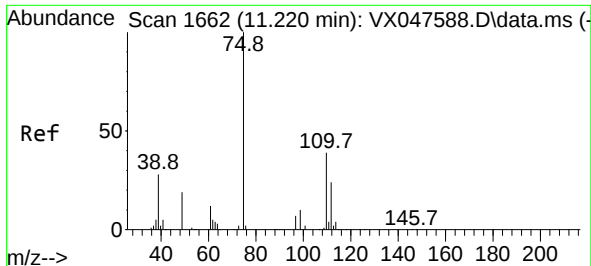
Ion Ratio Lower Upper

152 100

115 62.6 44.9 134.5

150 158.9 0.0 352.0

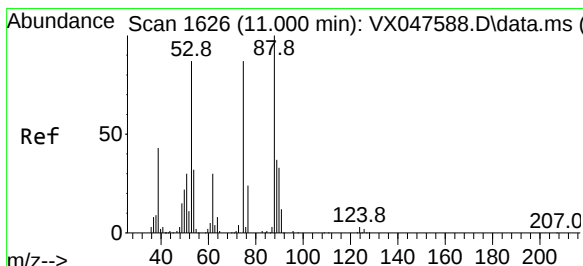
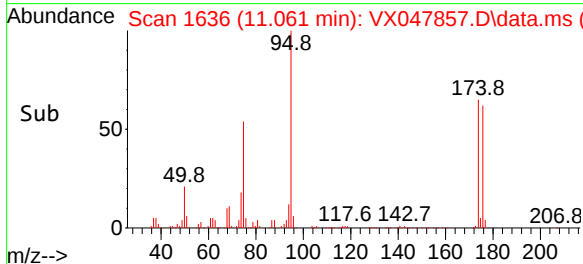
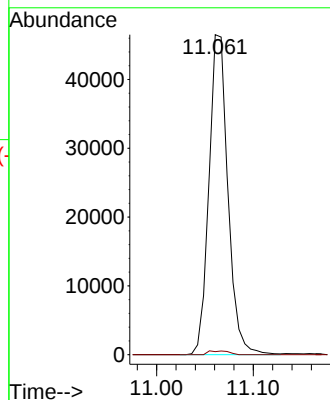
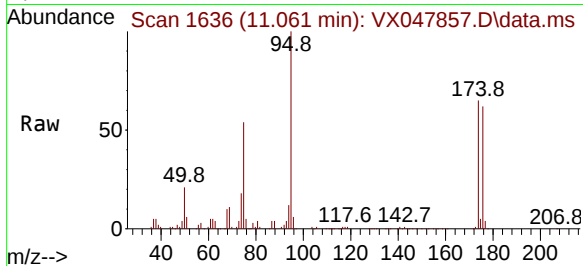




#76
1,2,3-Trichloropropane
Concen: 23.939 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

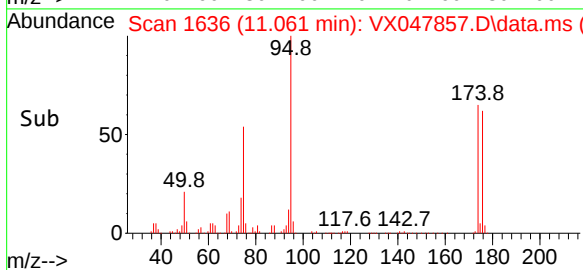
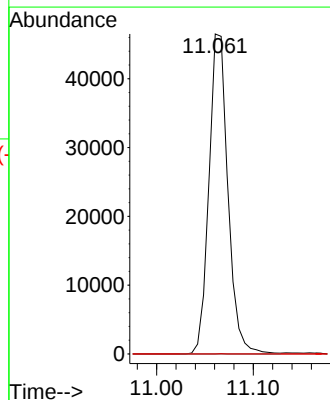
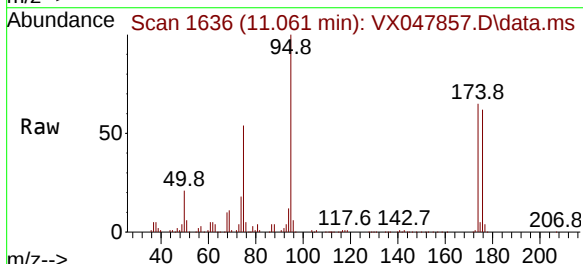
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250918RE

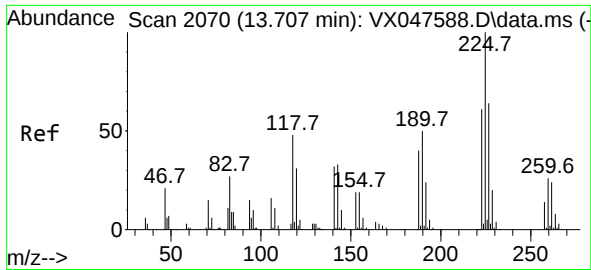
Tgt Ion: 75 Resp: 63536
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.047 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047857.D
Acq: 26 Sep 2025 14:46

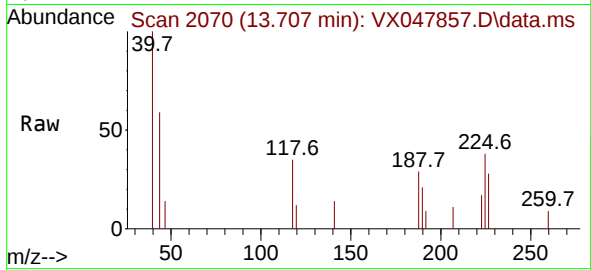
Tgt Ion: 75 Resp: 63536
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.302 ug/l
 RT: 13.707 min Scan# 2070
 Delta R.T. -0.000 min
 Lab File: VX047857.D
 Acq: 26 Sep 2025 14:46

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20250918RE



Tgt Ion:	225	Resp:	290
Ion	Ratio	Lower	Upper
225	100		
223	57.2	31.7	95.1
227	50.3	32.0	96.0

