

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047501.D
 Acq On : 22 Aug 2025 16:25
 Operator : JC/MD
 Sample : Q2934-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-SW04

Quant Time: Aug 25 01:30:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

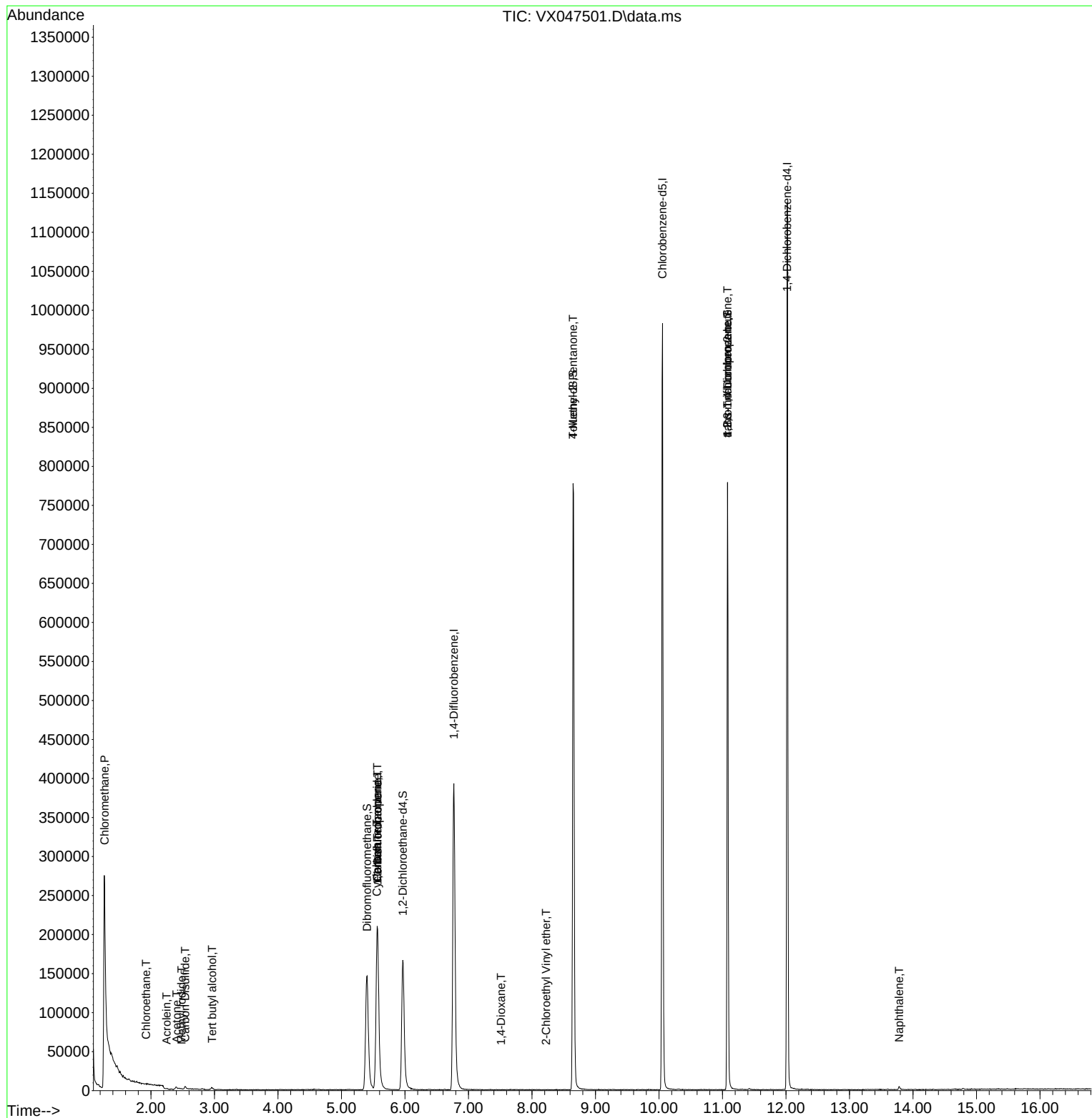
Internal Standards						
1) Pentafluorobenzene	5.562	168	210244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	427078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176033	59.826	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 119.660%#	
35) Dibromofluoromethane	5.404	113	140331	50.629	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.260%	
50) Toluene-d8	8.647	98	479623	48.412	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.820%	
62) 4-Bromofluorobenzene	11.079	95	206045	56.360	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	12335	5.116	ug/l #	41
6) Chloroethane	1.922	64	1026	0.554	ug/l #	46
10) Methyl Iodide	2.483	142	1950	0.438	ug/l #	92
11) Tert butyl alcohol	2.965	59	1376	5.376	ug/l #	72
13) Acrolein	2.246	56	319	0.590	ug/l #	41
16) Acetone	2.404	43	4467	4.039	ug/l	89
17) Carbon Disulfide	2.538	76	4402	0.551	ug/l #	91
31) Cyclohexane	5.556	56	4694	0.991	ug/l #	14
36) 1,1-Dichloropropene	5.568	75	18421	4.210	ug/l #	51
38) Carbon Tetrachloride	5.562	117	22020	4.605	ug/l #	14
49) 1,4-Dioxane	7.513	88	22	0.668	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	2402	0.640	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.220	63	74	8.388	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	107911	26.298	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	107911	104.195	ug/l #	7
95) Naphthalene	13.780	128	4193	0.282	ug/l #	88

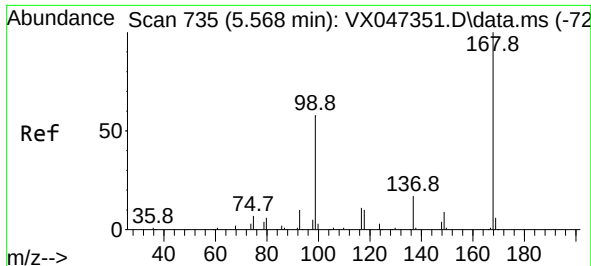
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

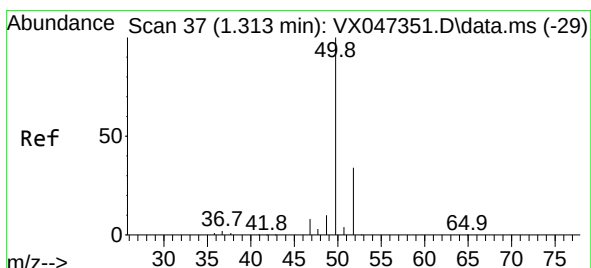
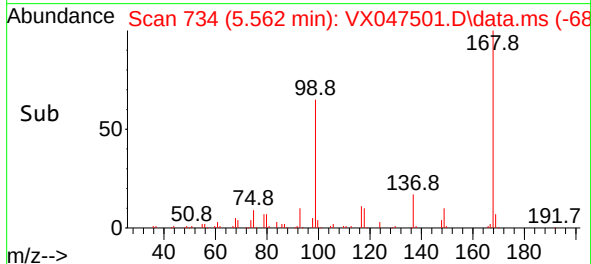
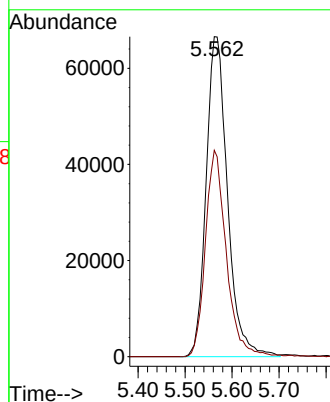
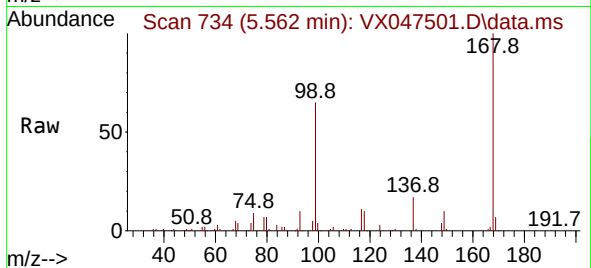




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

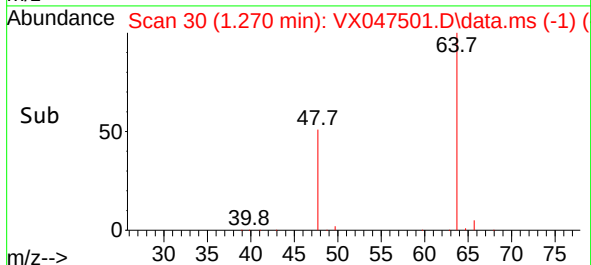
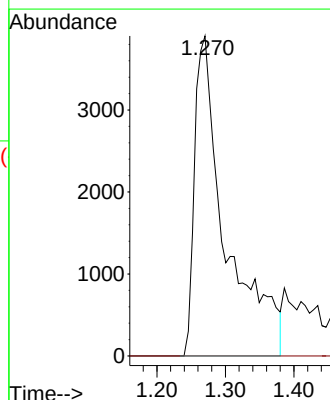
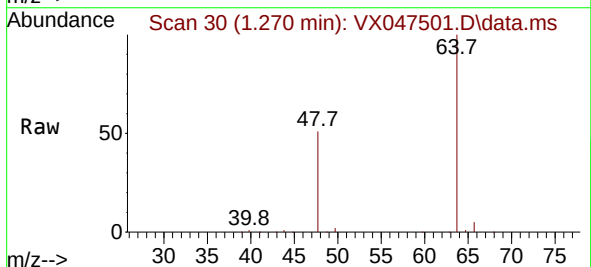
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

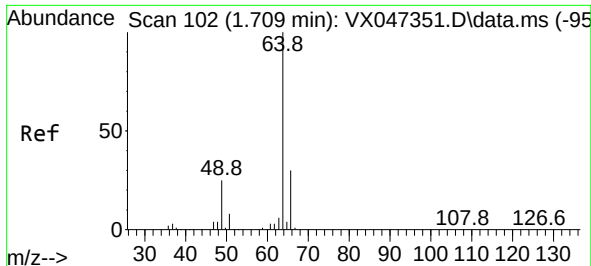
Tgt Ion:168 Resp: 210244
Ion Ratio Lower Upper
168 100
99 64.5 47.9 71.9



#3
Chloromethane
Concen: 5.116 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.042 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 50 Resp: 12335
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

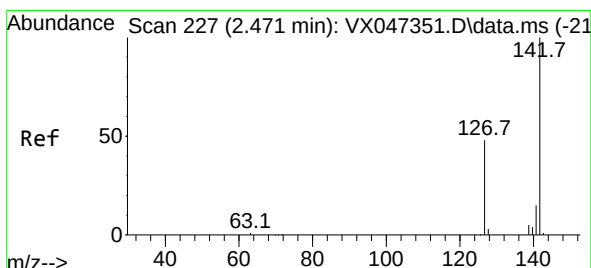
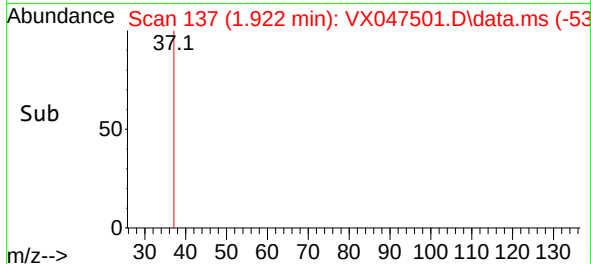
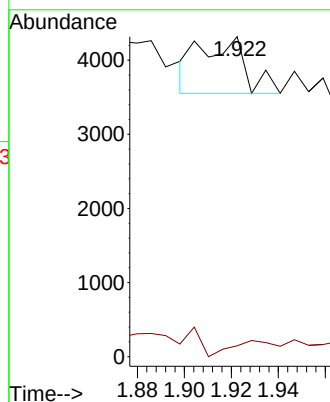
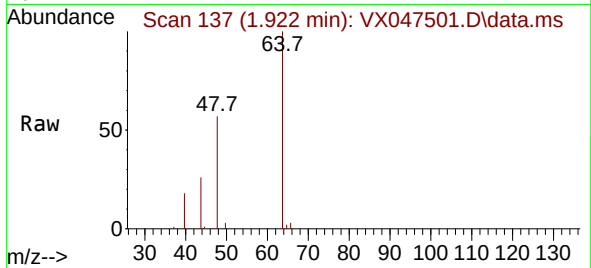




#6
Chloroethane
Concen: 0.554 ug/l
RT: 1.922 min Scan# 11
Delta R.T. 0.214 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

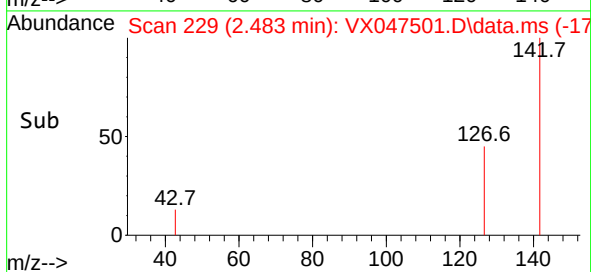
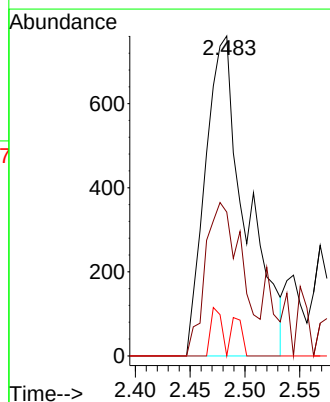
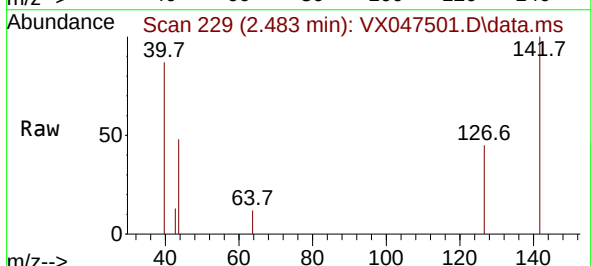
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

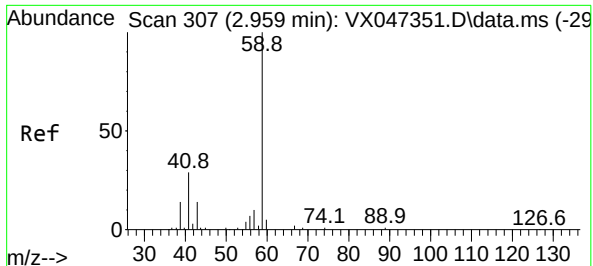
Tgt Ion: 64 Resp: 1026
Ion Ratio Lower Upper
64 100
66 1.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.438 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion:142 Resp: 1950
Ion Ratio Lower Upper
142 100
127 43.3 36.1 54.1
141 3.3 11.1 16.7#

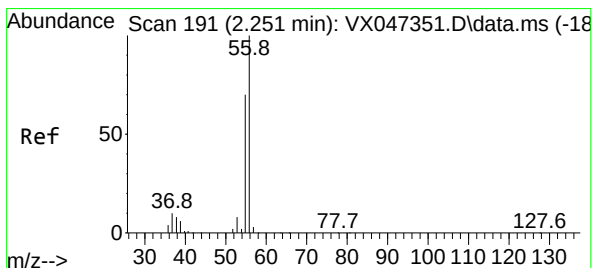
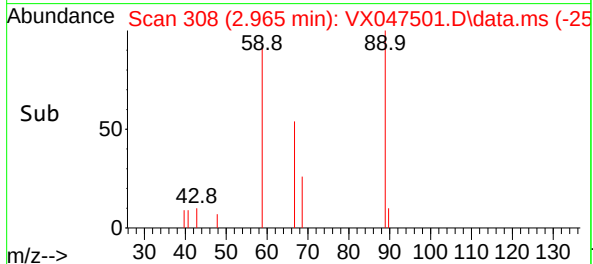
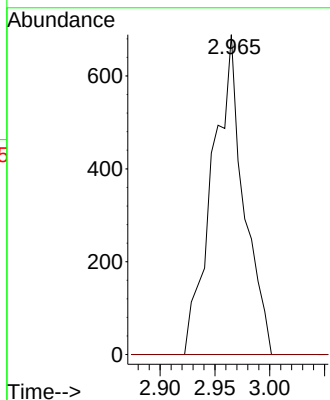
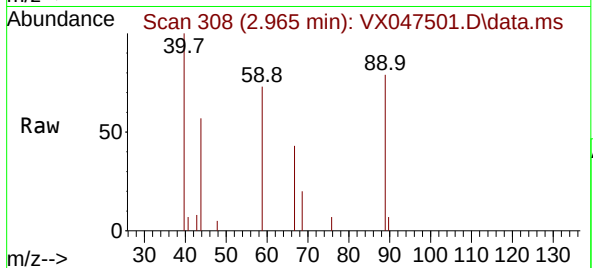




#11
Tert butyl alcohol
Concen: 5.376 ug/l
RT: 2.965 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

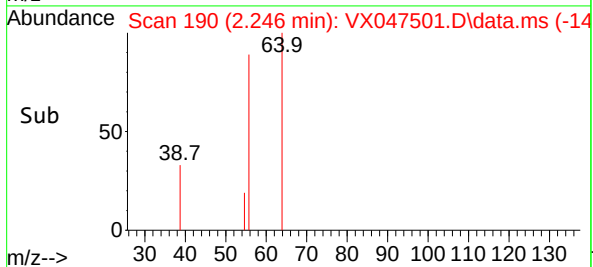
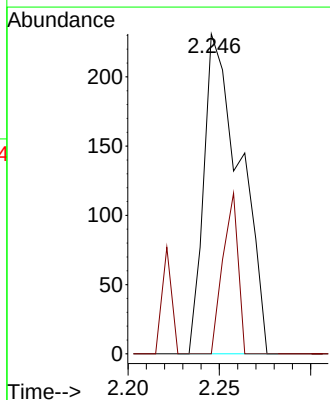
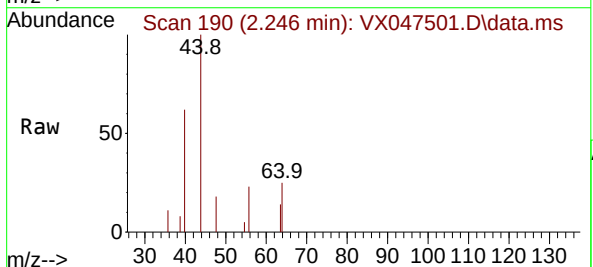
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

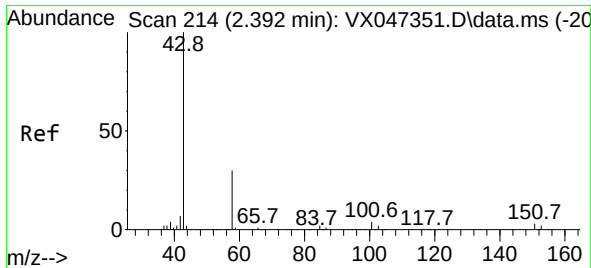
Tgt Ion: 59 Resp: 1376
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.590 ug/l
RT: 2.246 min Scan# 190
Delta R.T. -0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
55 21.0 55.5 83.3#

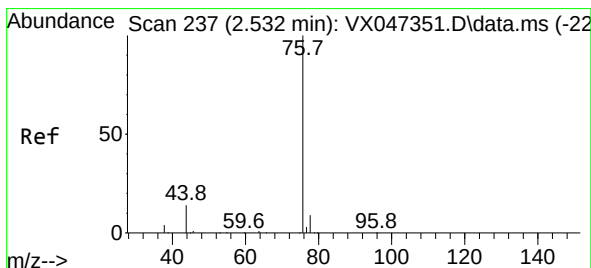
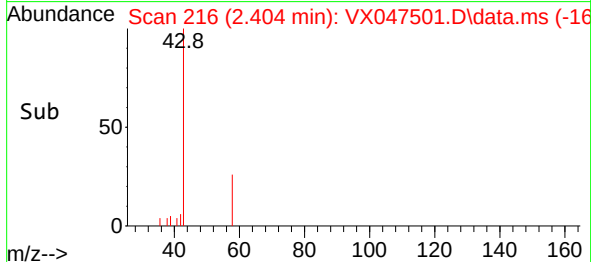
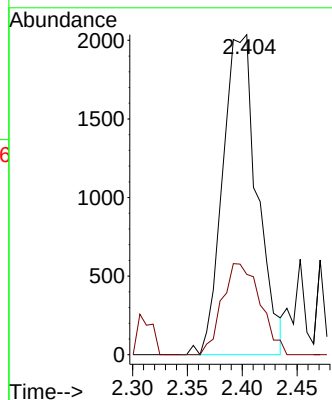
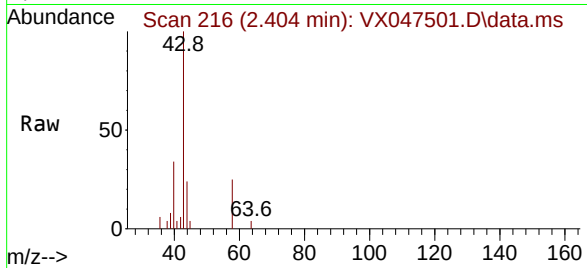




#16
Acetone
Concen: 4.039 ug/l
RT: 2.404 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

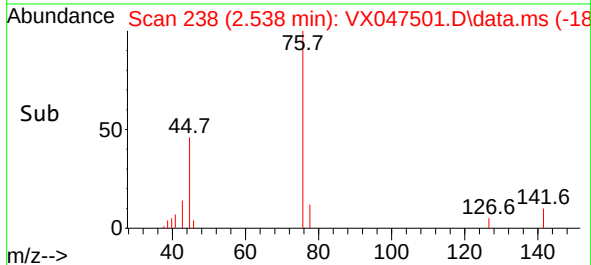
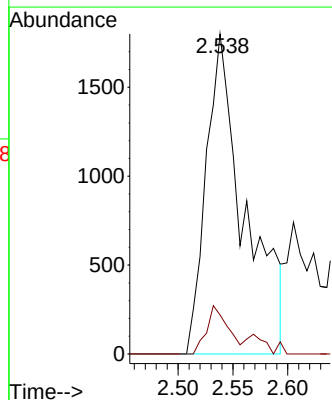
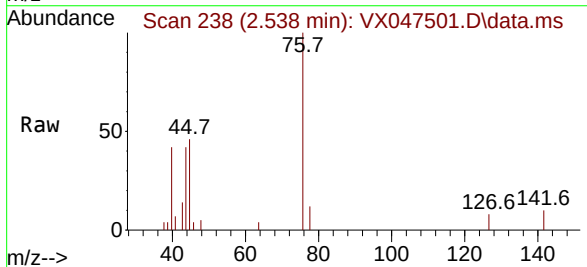
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

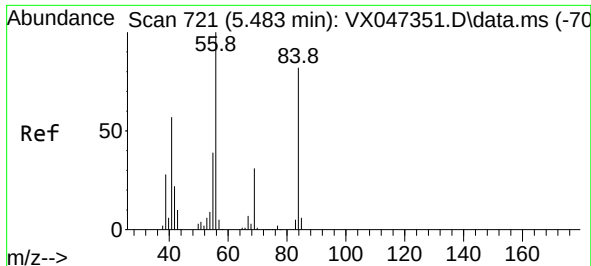
Tgt Ion: 43 Resp: 4467
Ion Ratio Lower Upper
43 100
58 25.1 24.8 37.2



#17
Carbon Disulfide
Concen: 0.551 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 76 Resp: 4402
Ion Ratio Lower Upper
76 100
78 12.2 7.2 10.8#

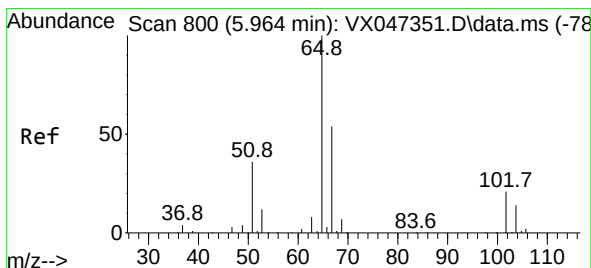
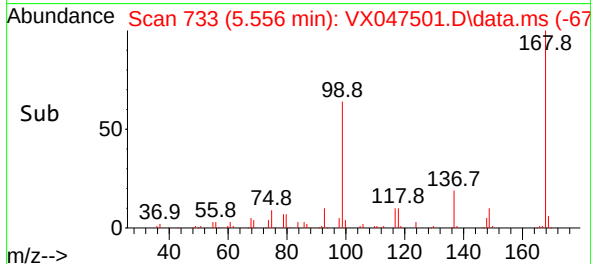
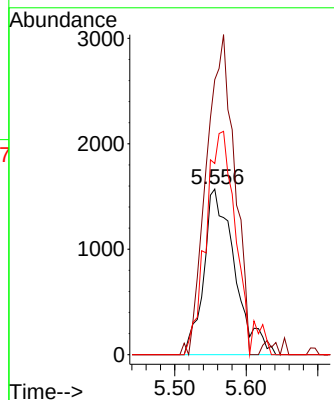
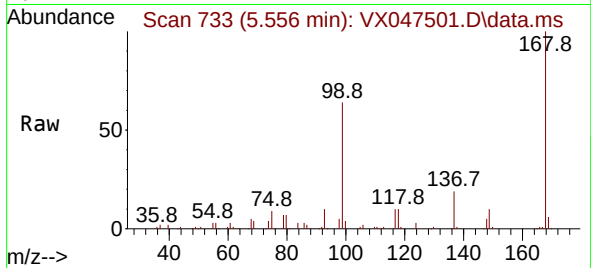




#31
Cyclohexane
Concen: 0.991 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

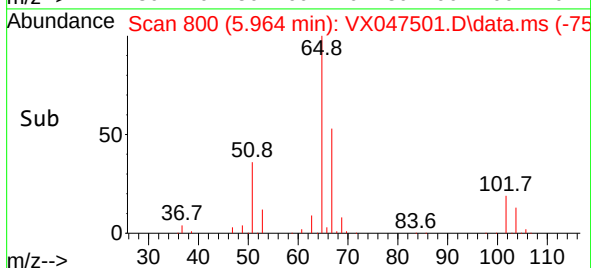
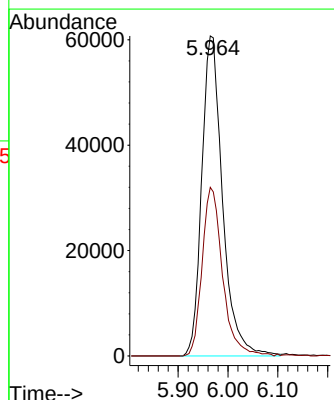
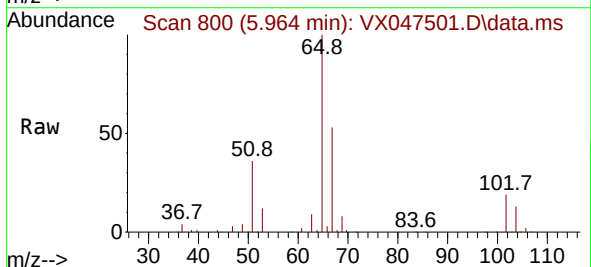
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

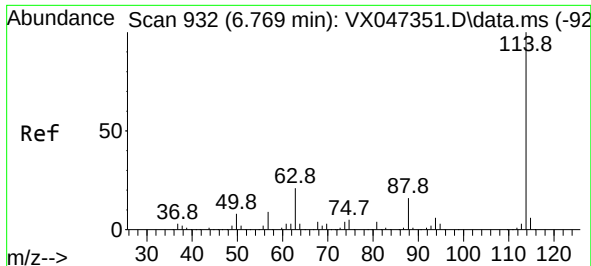
Tgt Ion: 56 Resp: 4694
Ion Ratio Lower Upper
56 100
69 157.3 24.3 36.5#
84 109.3 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 59.826 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 65 Resp: 176033
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.0

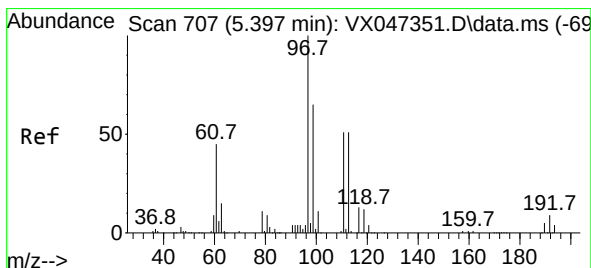
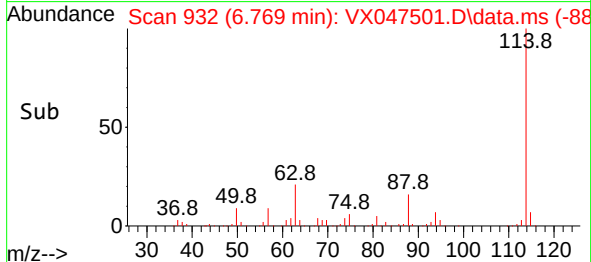
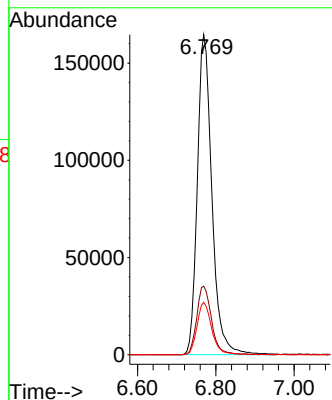
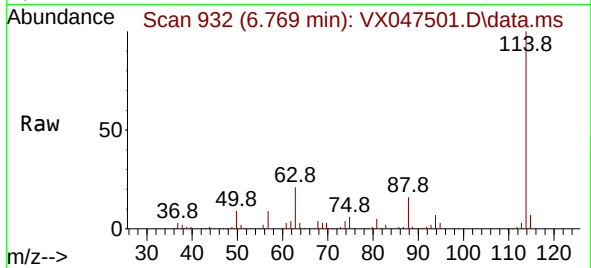




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

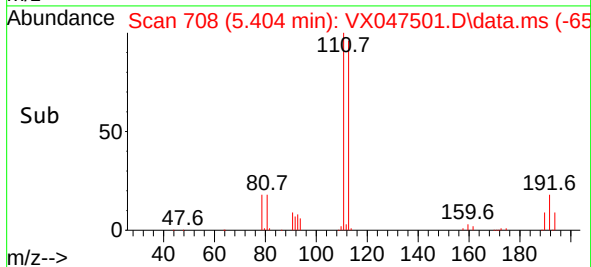
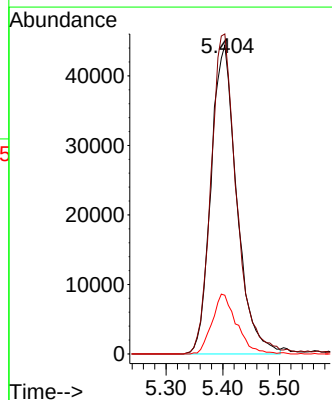
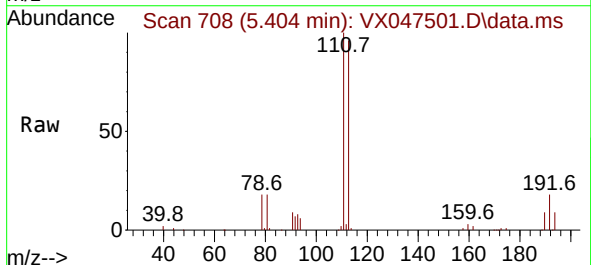
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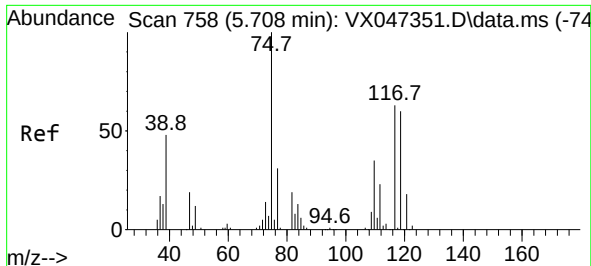
Tgt Ion:114 Resp: 427078
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.4
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.629 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion:113 Resp: 140331
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 18.4 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.210 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047501.D

Acq: 22 Aug 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

ENV-SW04

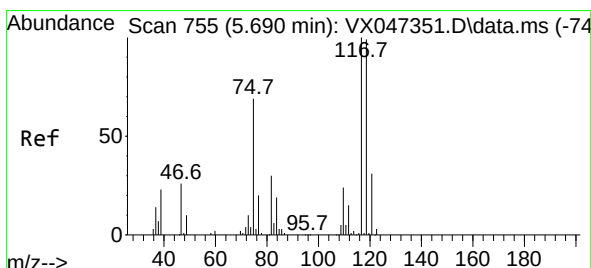
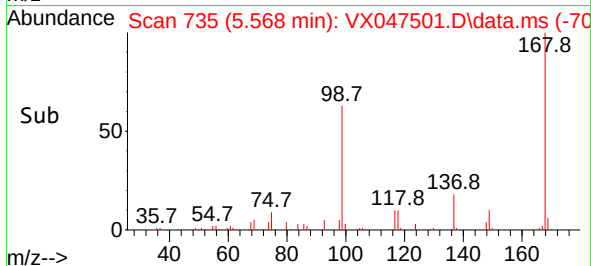
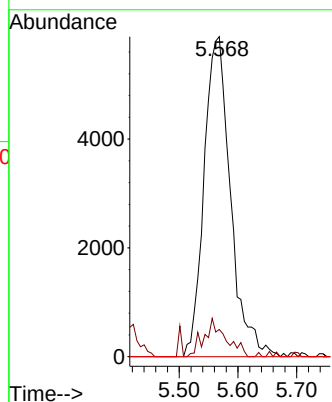
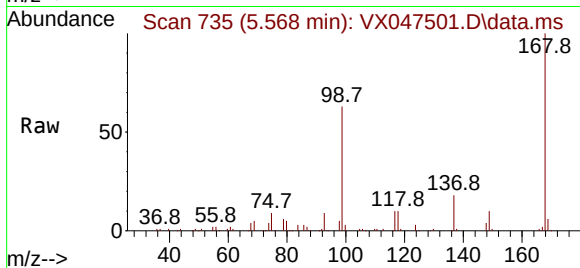
Tgt Ion: 75 Resp: 18421

Ion Ratio Lower Upper

75 100

110 9.7 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.605 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047501.D

Acq: 22 Aug 2025 16:25

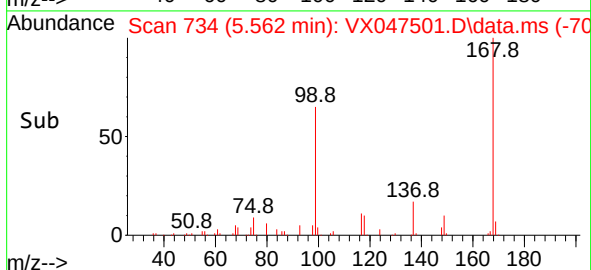
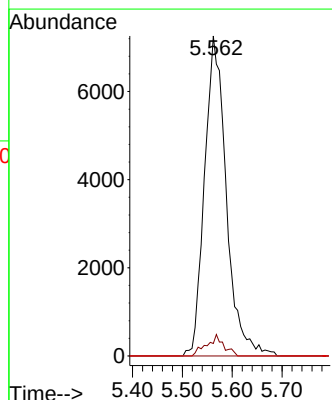
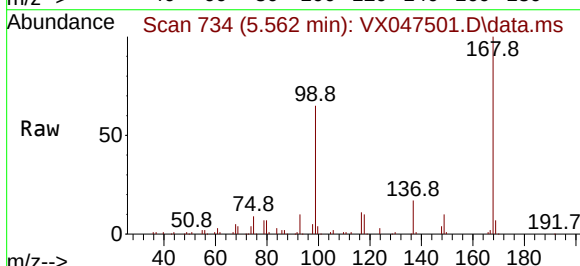
Tgt Ion: 117 Resp: 22020

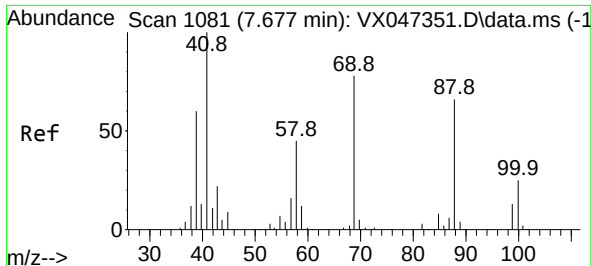
Ion Ratio Lower Upper

117 100

119 3.9 78.5 117.7#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 0.668 ug/l

RT: 7.513 min Scan# 1054

Delta R.T. -0.164 min

Lab File: VX047501.D

Acq: 22 Aug 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

ENV-SW04

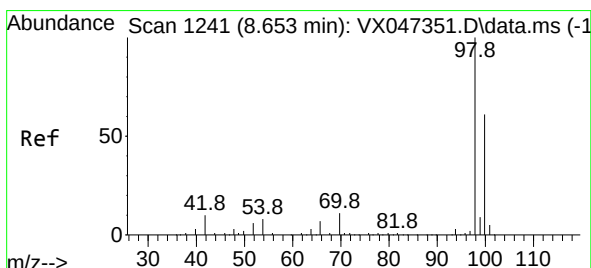
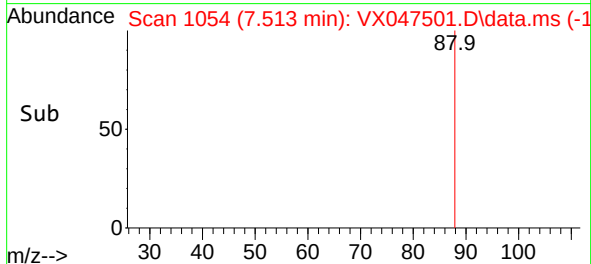
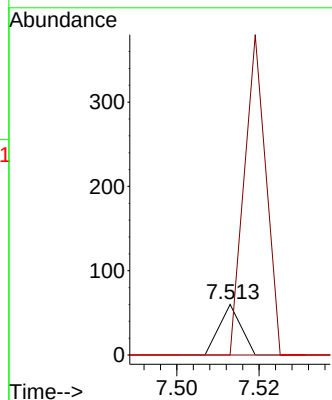
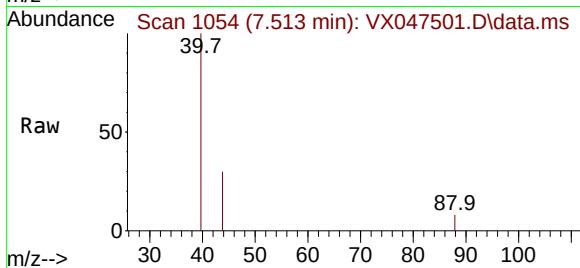
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 631.8 32.4 48.6#

58 0.0 56.9 85.3#



#50

Toluene-d8

Concen: 48.412 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047501.D

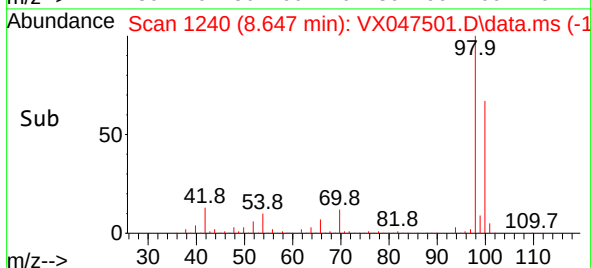
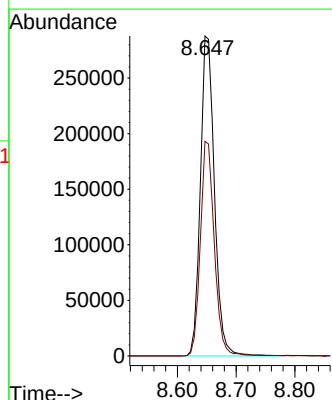
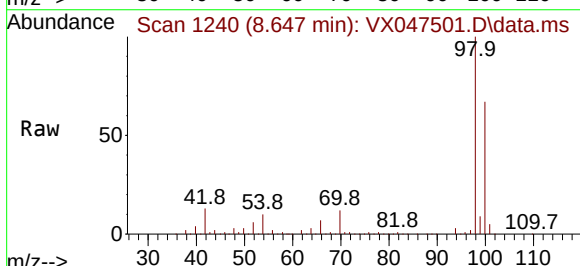
Acq: 22 Aug 2025 16:25

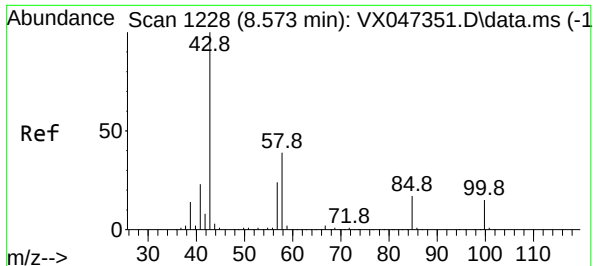
Tgt Ion: 98 Resp: 479623

Ion Ratio Lower Upper

98 100

100 66.7 53.9 80.9





#51

4-Methyl-2-Pentanone

Concen: 0.640 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX047501.D

Acq: 22 Aug 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

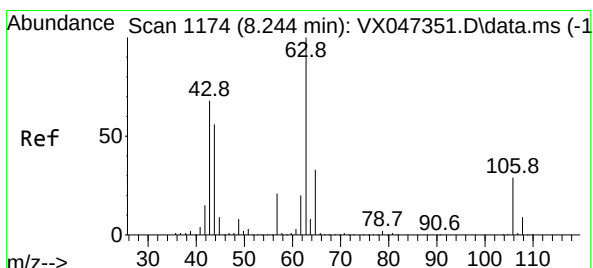
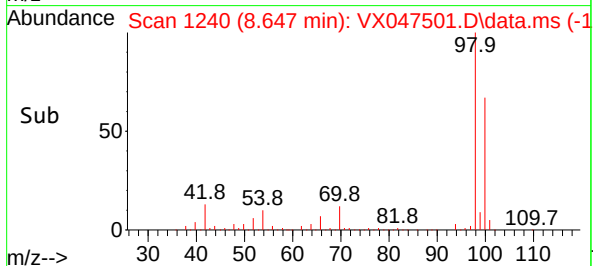
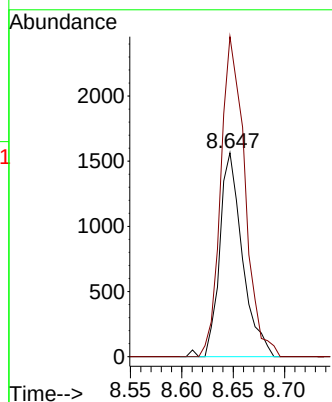
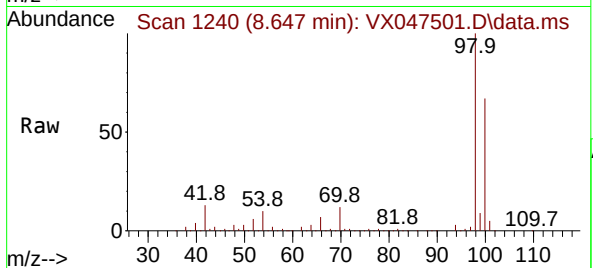
ENV-SW04

Tgt Ion: 43 Resp: 2402

Ion Ratio Lower Upper

43 100

58 166.4 31.2 46.8#



#58

2-Chloroethyl Vinyl ether

Concen: 8.388 ug/l

RT: 8.220 min Scan# 1170

Delta R.T. -0.024 min

Lab File: VX047501.D

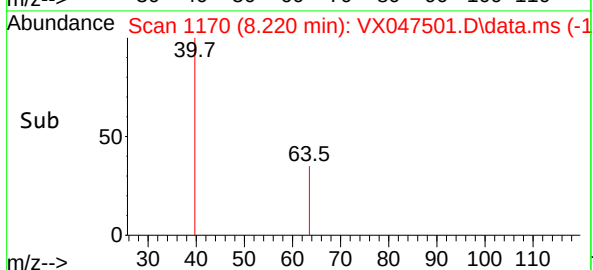
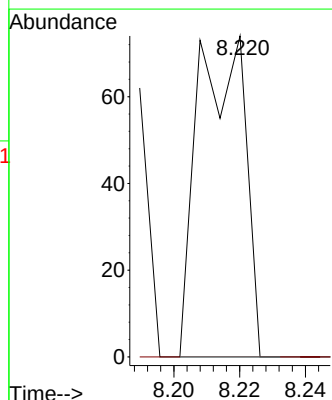
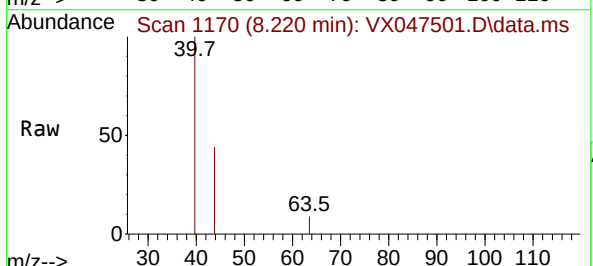
Acq: 22 Aug 2025 16:25

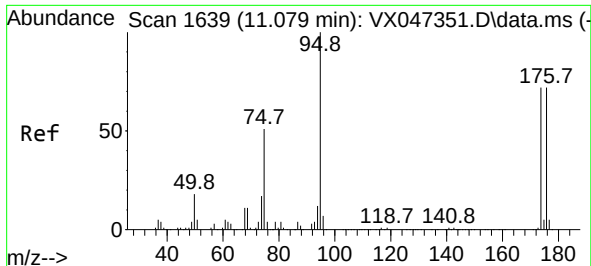
Tgt Ion: 63 Resp: 74

Ion Ratio Lower Upper

63 100

106 0.0 22.8 34.2#

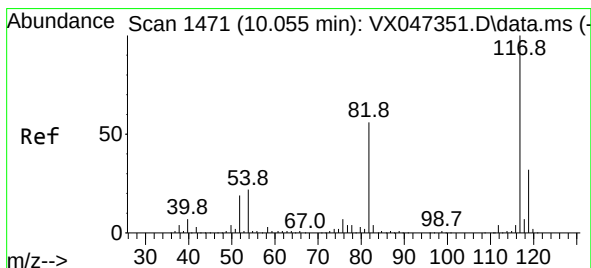
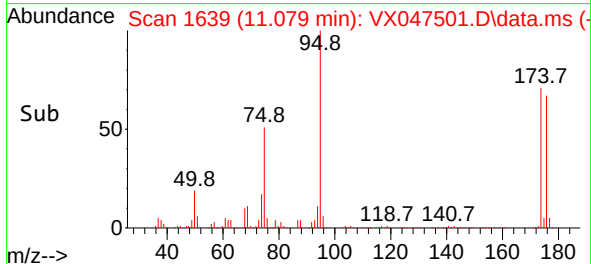
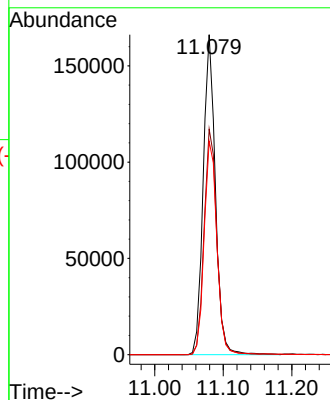
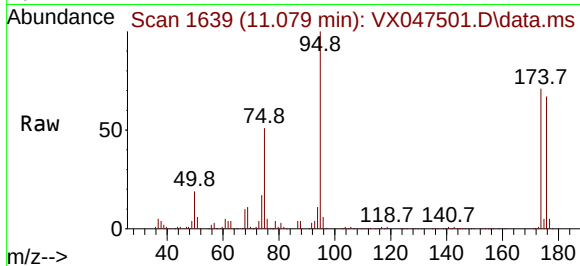




#62
4-Bromofluorobenzene
Concen: 56.360 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

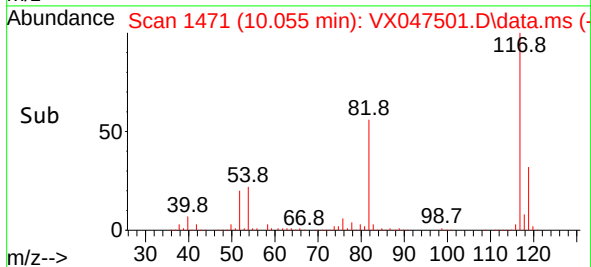
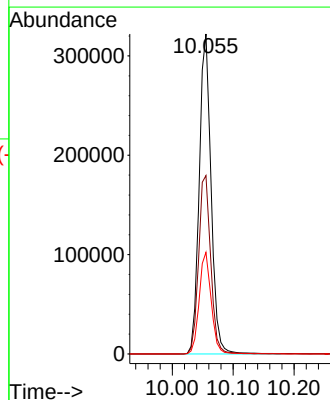
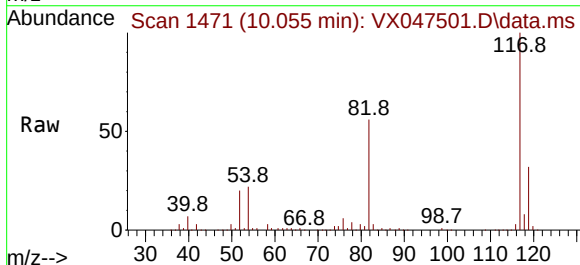
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

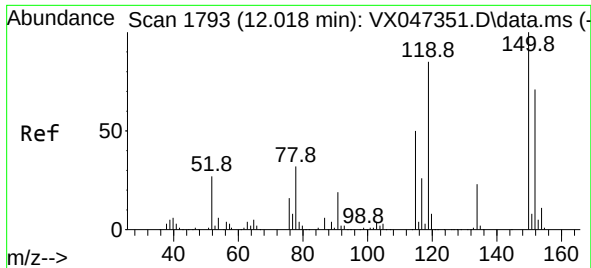
Tgt Ion: 95 Resp: 206045
Ion Ratio Lower Upper
95 100
174 73.6 0.0 148.0
176 69.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 117 Resp: 435148
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.4
119 31.7 25.8 38.8

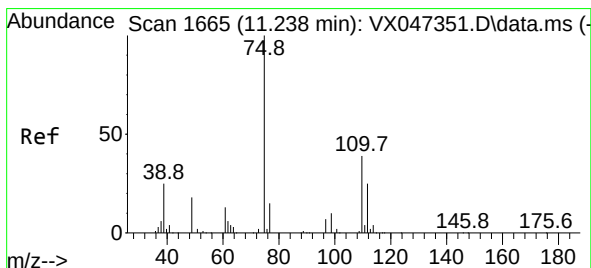
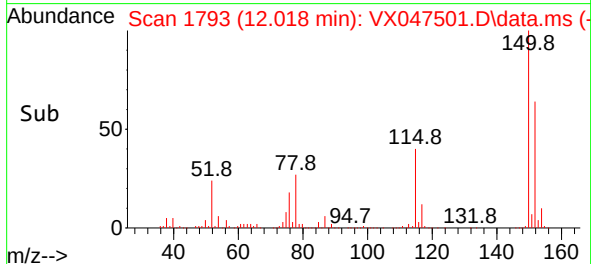
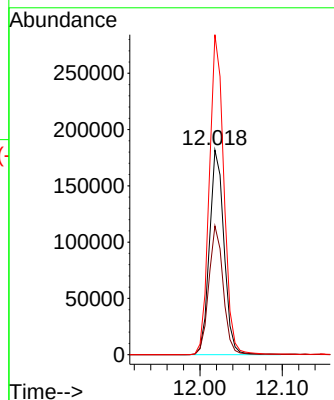
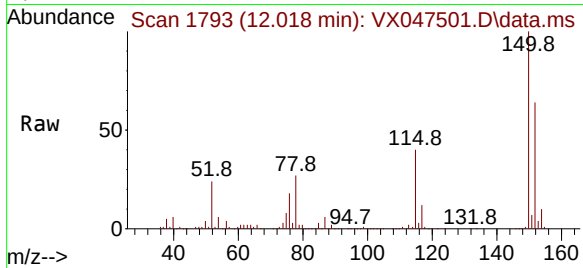




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

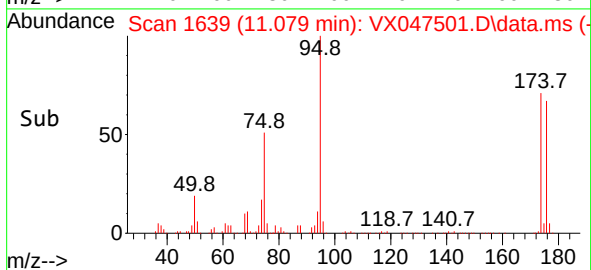
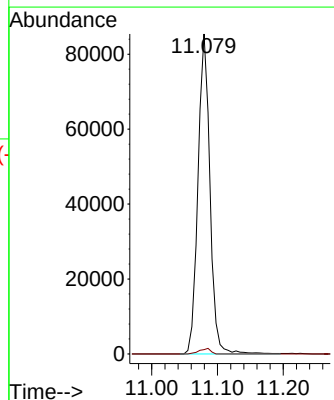
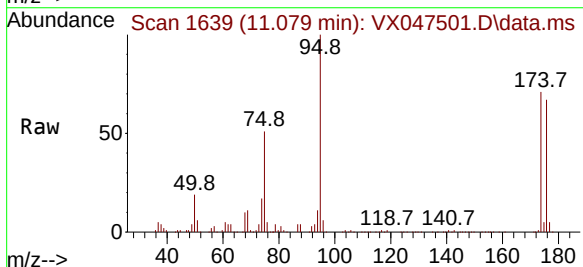
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

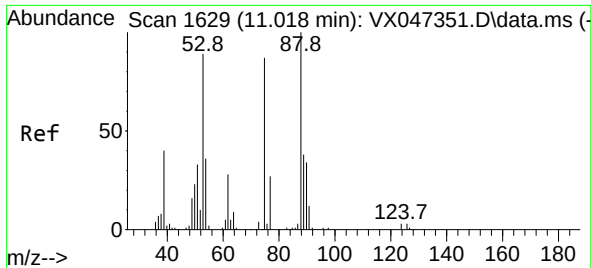
Tgt Ion:152 Resp: 223730
Ion Ratio Lower Upper
152 100
115 62.0 44.6 133.8
150 156.2 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 26.298 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 75 Resp: 107911
Ion Ratio Lower Upper
75 100
77 1.6 19.4 58.2#

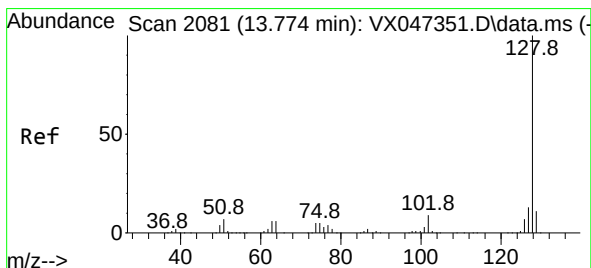
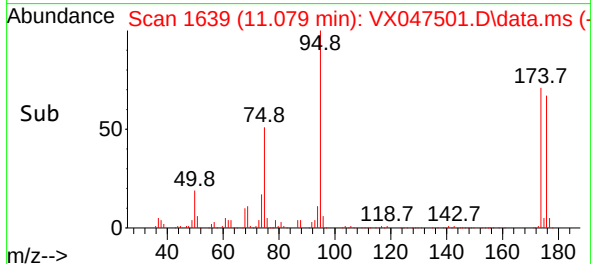
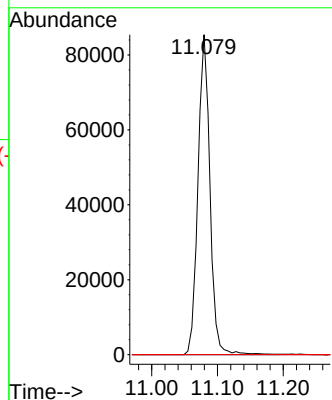
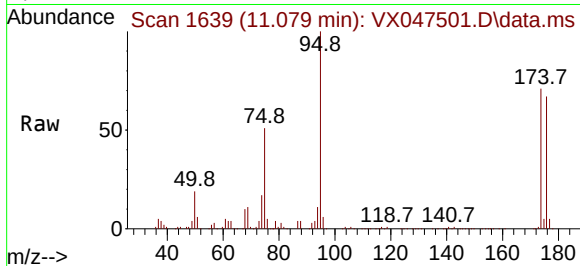




#81
trans-1,4-Dichloro-2-butene
Concen: 104.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion: 75 Resp: 107911
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 0.282 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion:128 Resp: 4193
Ion Ratio Lower Upper
128 100
127 6.0 10.1 15.1#
129 8.4 8.7 13.1#

