

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047362.D
 Acq On : 15 Aug 2025 15:10
 Operator : JC/MD
 Sample : Q2880-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 04:34:36 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)

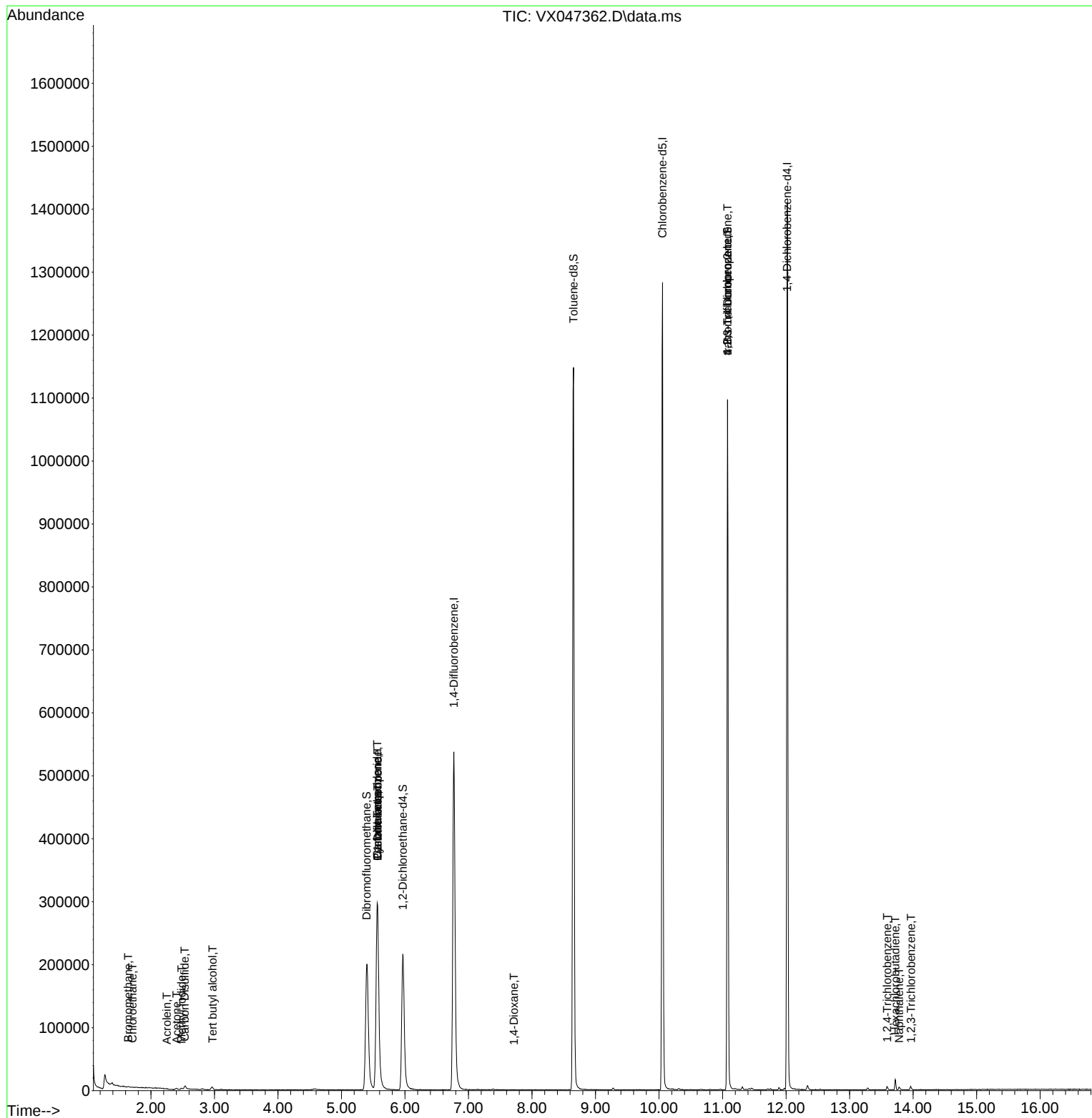
Internal Standards						
1) Pentafluorobenzene	5.568	168	298008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	567332	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	570443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	281279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	228243	54.725	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.460%		
35) Dibromofluoromethane	5.397	113	193604	52.581	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.160%		
50) Toluene-d8	8.653	98	699422	53.145	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 106.300%		
62) 4-Bromofluorobenzene	11.079	95	291848	60.094	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 120.180%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	739	0.427	ug/l #	72
6) Chloroethane	1.709	64	548	0.209	ug/l #	44
10) Methyl Iodide	2.483	142	3809	0.604	ug/l #	85
11) Tert butyl alcohol	2.971	59	2030	5.595	ug/l #	76
13) Acrolein	2.252	56	281	0.367	ug/l #	15
16) Acetone	2.404	43	3433	2.190	ug/l #	75
17) Carbon Disulfide	2.532	76	7785	0.688	ug/l #	92
31) Cyclohexane	5.568	56	6765	1.008	ug/l #	4
36) 1,1-Dichloropropene	5.568	75	24230	4.169	ug/l #	50
38) Carbon Tetrachloride	5.562	117	31423	4.947	ug/l #	16
49) 1,4-Dioxane	7.714	88	135	3.086	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	152651	29.589	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	152651	116.253	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	1610	0.246	ug/l	92
94) Hexachlorobutadiene	13.719	225	2196	0.944	ug/l	92
95) Naphthalene	13.780	128	4059	0.217	ug/l	96
96) 1,2,3-Trichlorobenzene	13.969	180	1595	0.259	ug/l	88

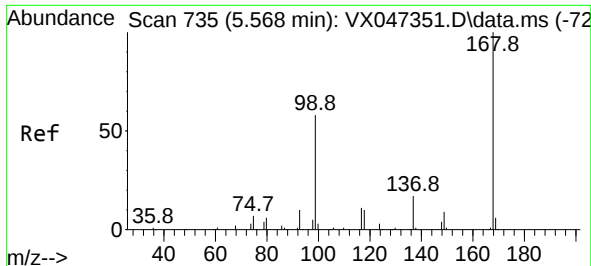
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 04:34:36 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

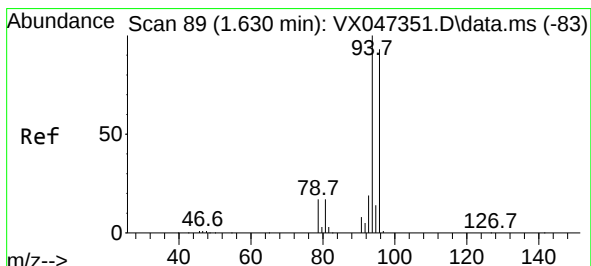
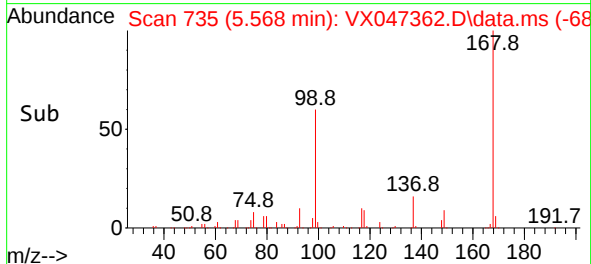
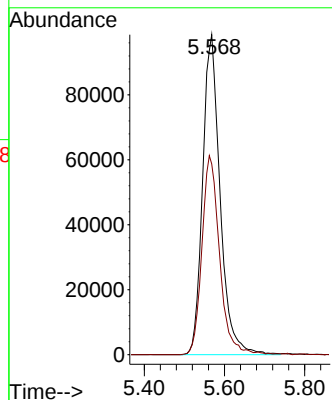
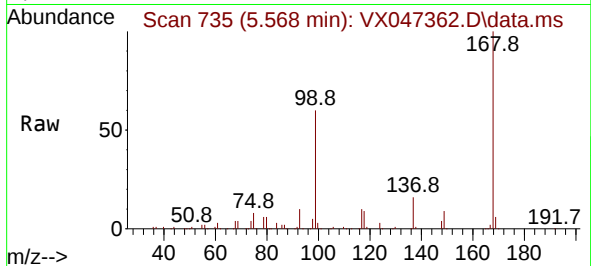




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

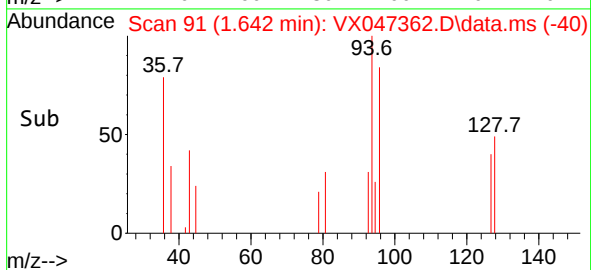
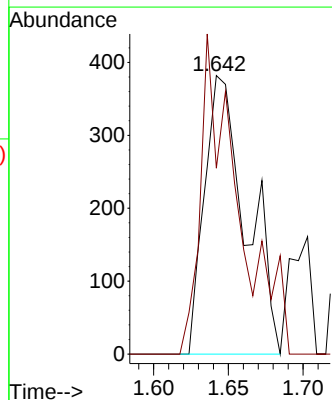
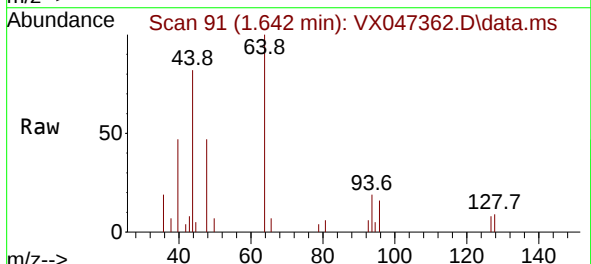
Instrument :
MSVOA_X
ClientSampleId :

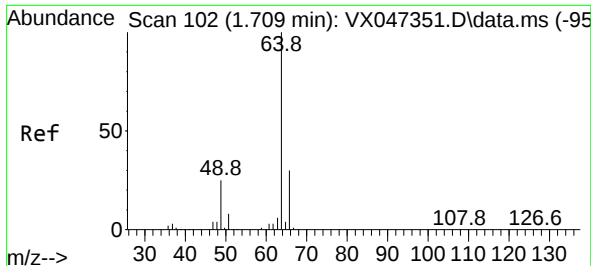
Tgt Ion:168 Resp: 298008
Ion Ratio Lower Upper
168 100
99 59.6 47.9 71.9



#5
Bromomethane
Concen: 0.427 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 66.8 74.7 112.1#

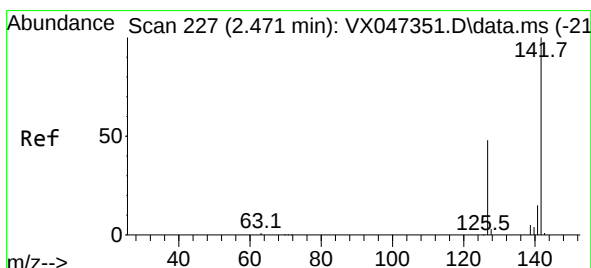
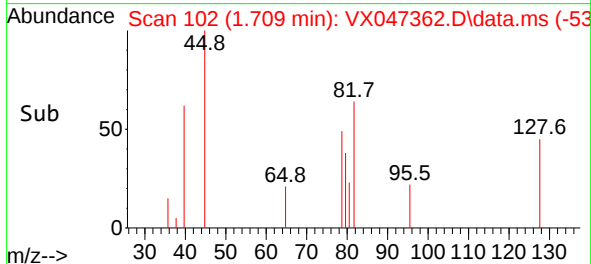
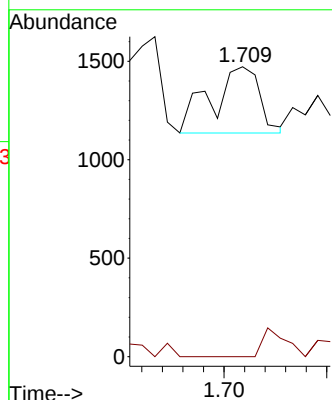
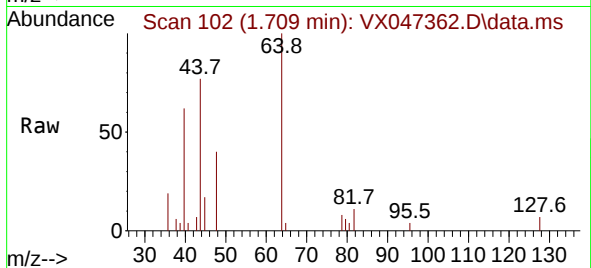




#6
Chloroethane
Concen: 0.209 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

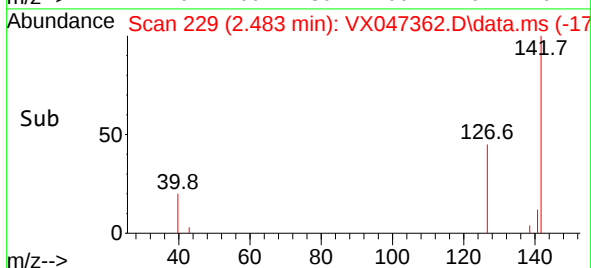
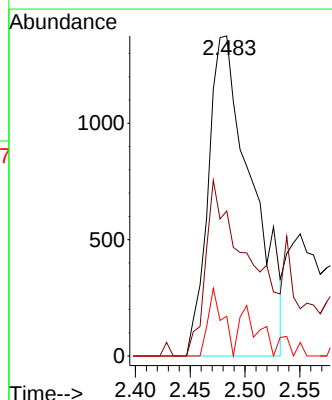
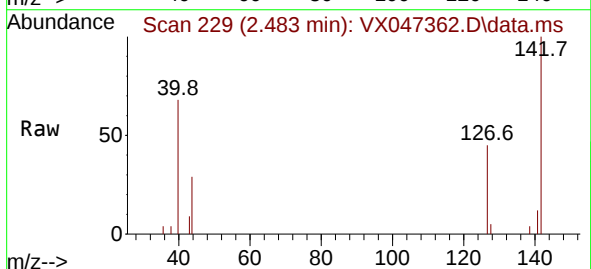
Instrument :
MSVOA_X
ClientSampleId :

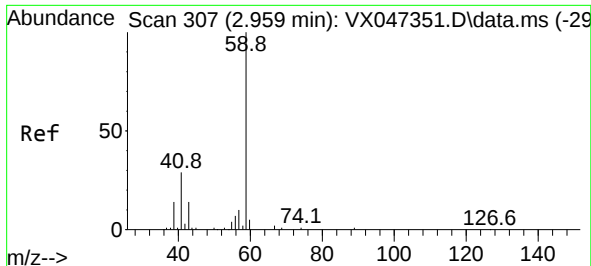
Tgt Ion: 64 Resp: 548
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.604 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

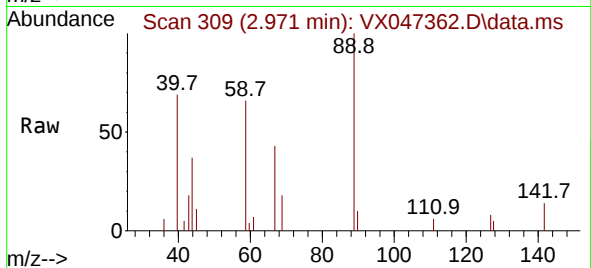
Tgt Ion: 142 Resp: 3809
Ion Ratio Lower Upper
142 100
127 54.7 36.1 54.1#
141 7.1 11.1 16.7#



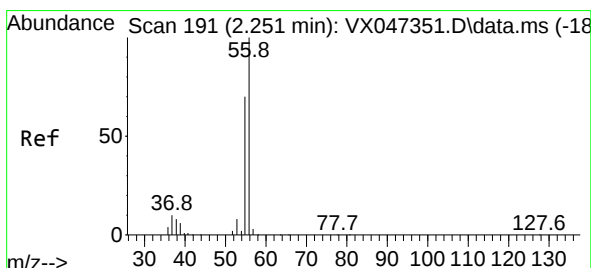
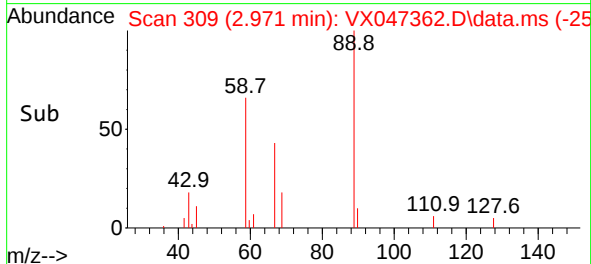
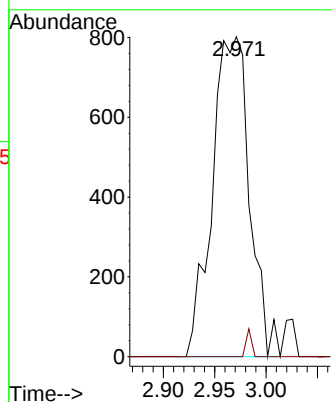


#11
Tert butyl alcohol
Concen: 5.595 ug/l
RT: 2.971 min Scan# 307
Delta R.T. 0.012 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

Instrument :
MSVOA_X
ClientSampleId :

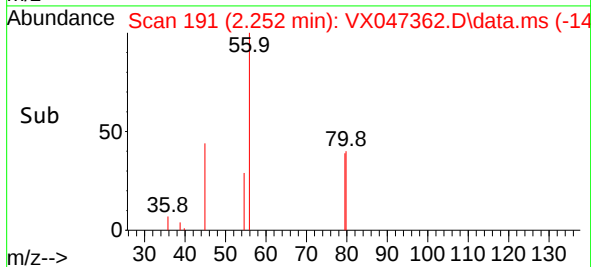
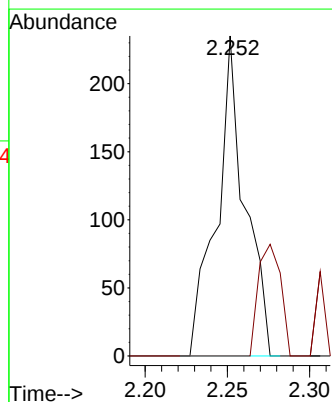
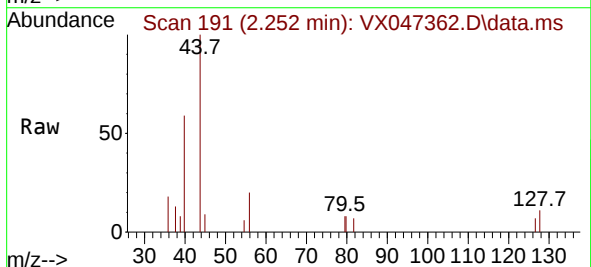


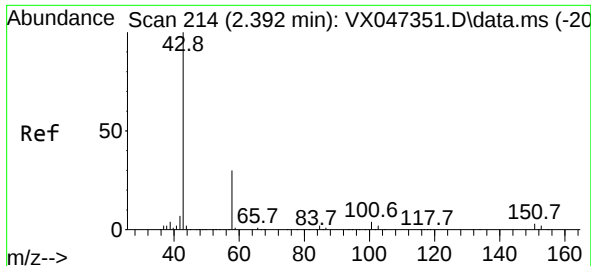
Tgt Ion: 59 Resp: 2030
Ion Ratio Lower Upper
59 100
57 1.3 8.3 12.5#



#13
Acrolein
Concen: 0.367 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

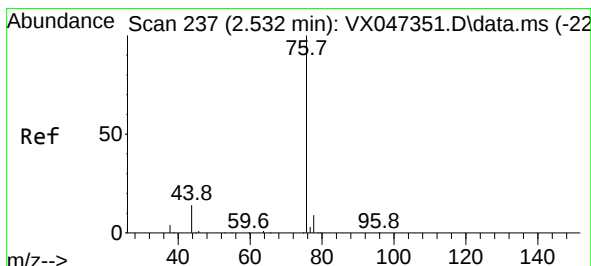
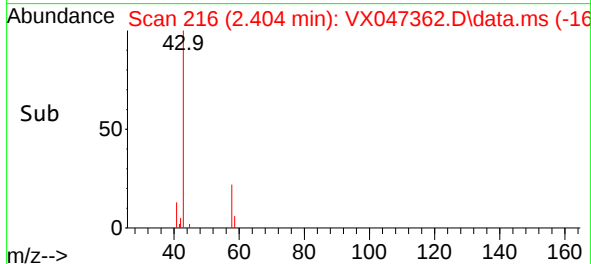
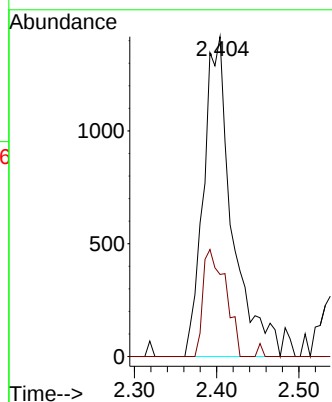
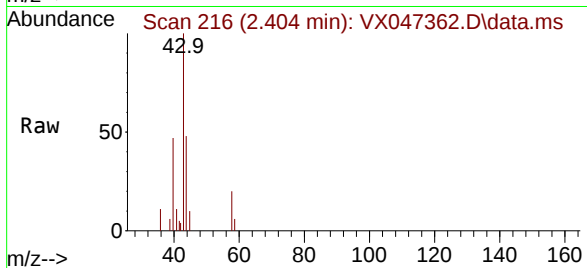




#16
Acetone
Concen: 2.190 ug/l
RT: 2.404 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

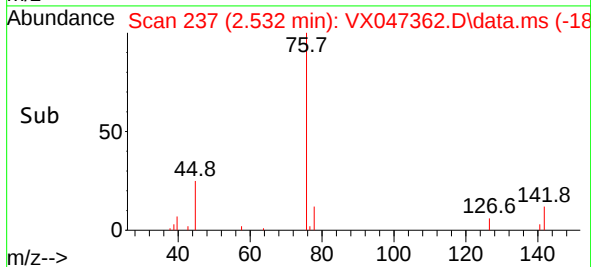
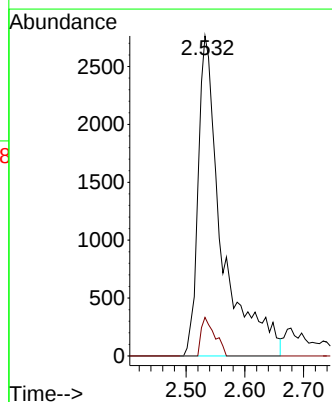
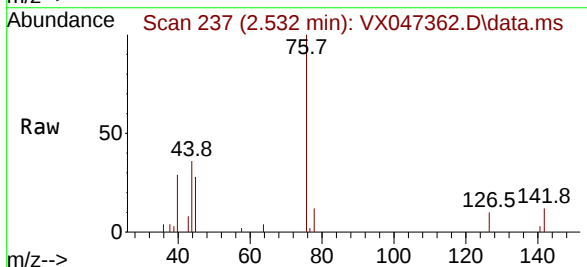
Instrument :
MSVOA_X
ClientSampleId :

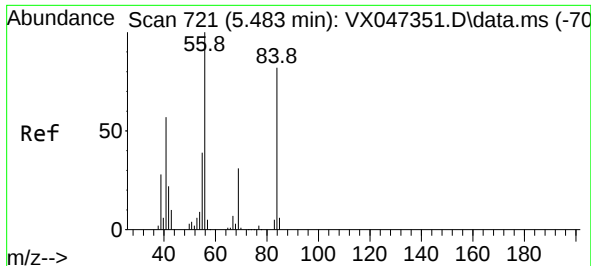
Tgt Ion: 43 Resp: 3433
Ion Ratio Lower Upper
43 100
58 17.3 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.688 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

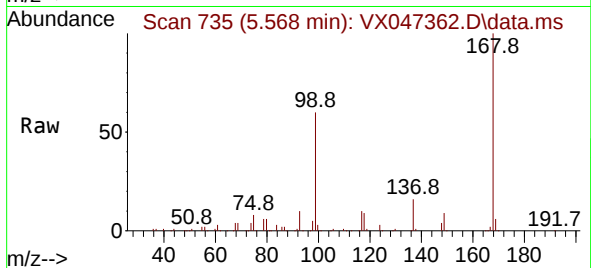
Tgt Ion: 76 Resp: 7785
Ion Ratio Lower Upper
76 100
78 11.8 7.2 10.8#



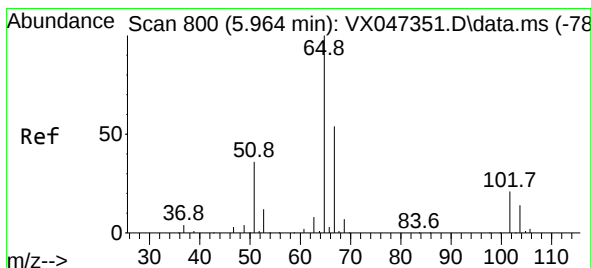
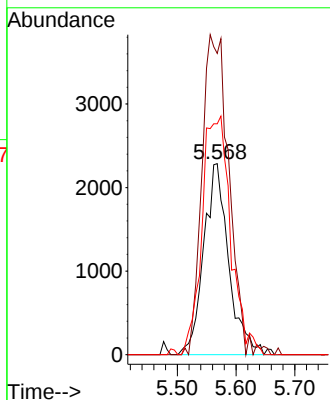
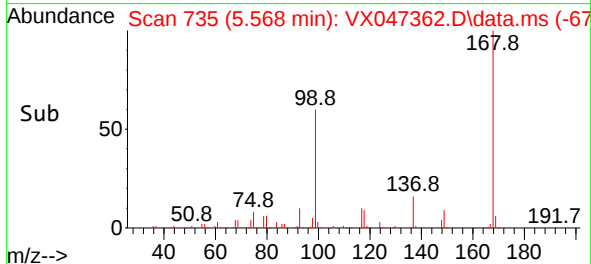


#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

Instrument :
MSVOA_X
ClientSampleId :

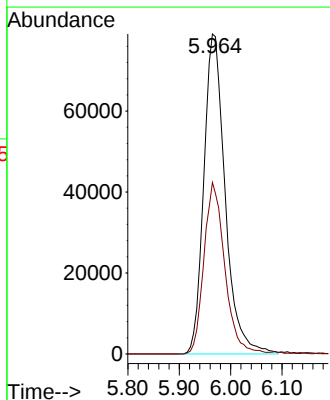
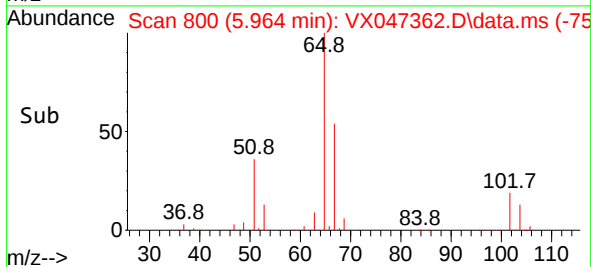
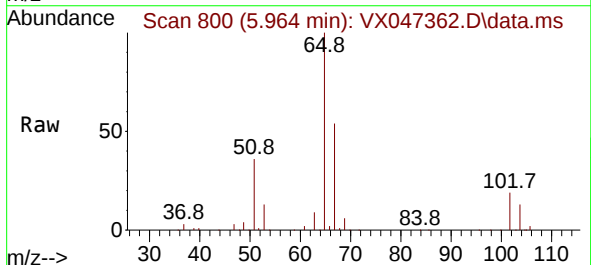


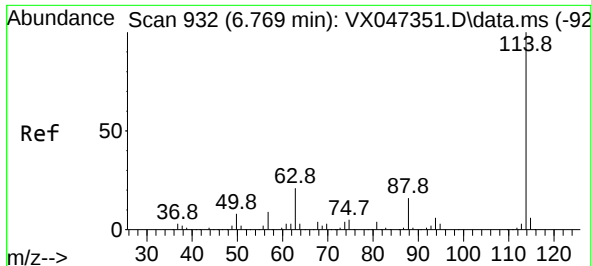
Tgt Ion: 56 Resp: 6765
Ion Ratio Lower Upper
56 100
69 157.7 24.3 36.5#
84 120.9 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 54.725 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

Tgt Ion: 65 Resp: 228243
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0

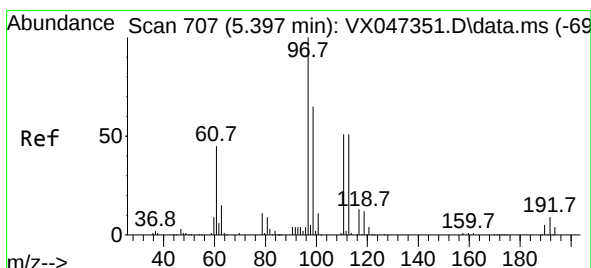
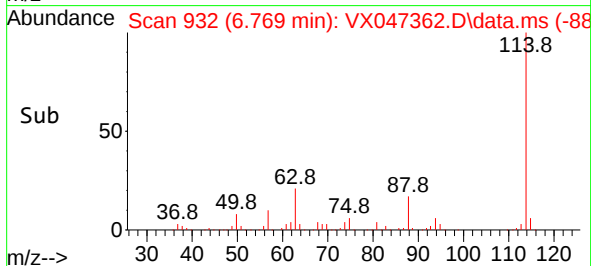
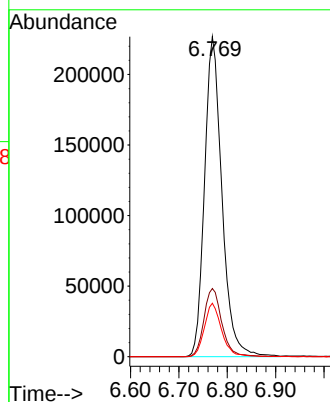
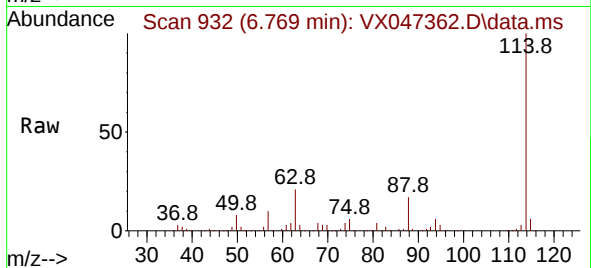




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

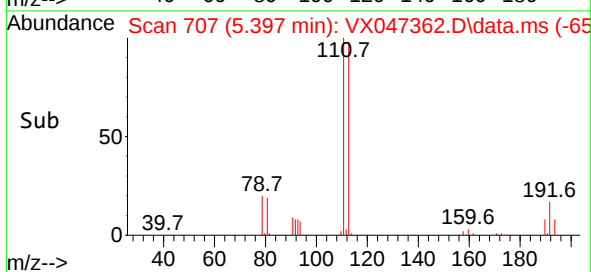
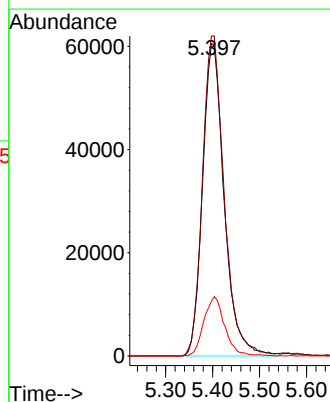
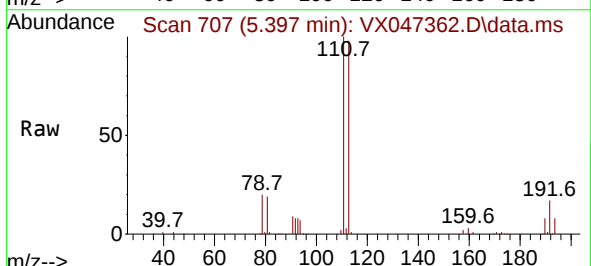
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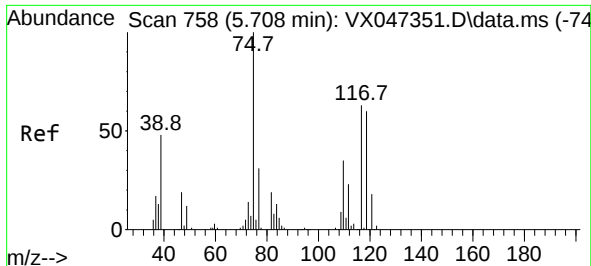
Tgt Ion:114 Resp: 567332
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.4
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.581 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

Tgt Ion:113 Resp: 193604
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.2
192 18.4 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.169 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.140 min

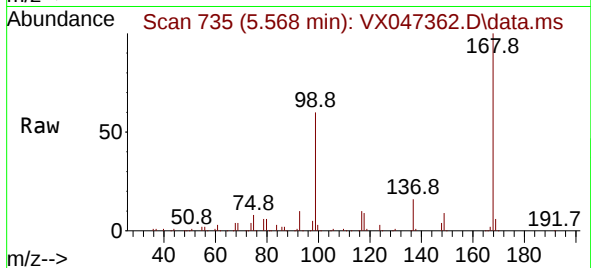
Lab File: VX047362.D

Acq: 15 Aug 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :



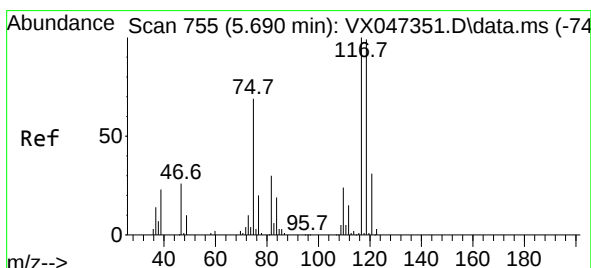
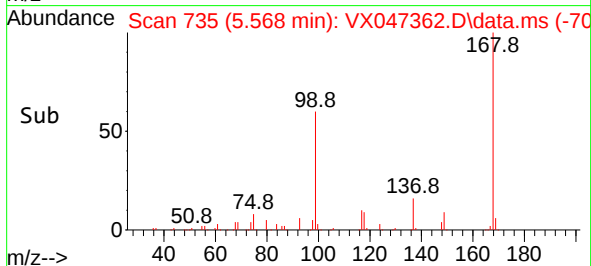
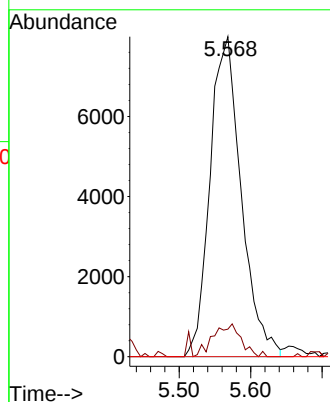
Tgt Ion: 75 Resp: 24230

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.947 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047362.D

Acq: 15 Aug 2025 15:10

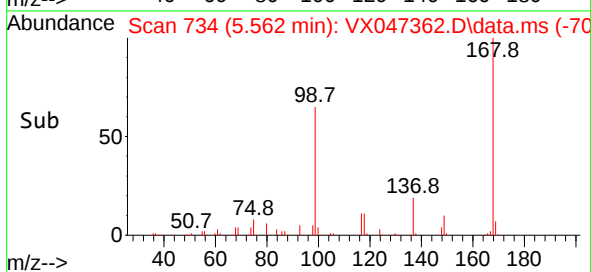
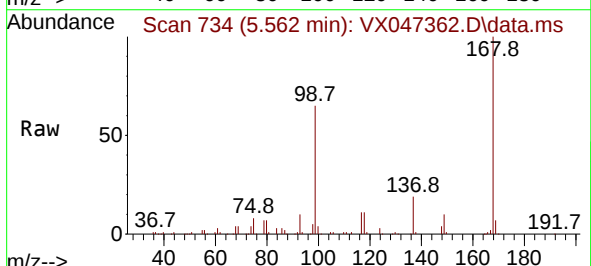
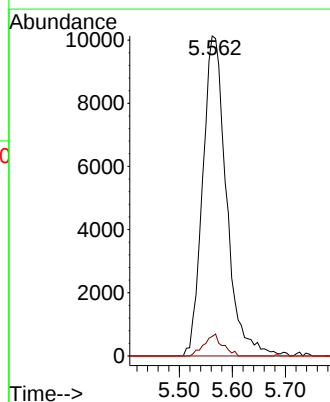
Tgt Ion: 117 Resp: 31423

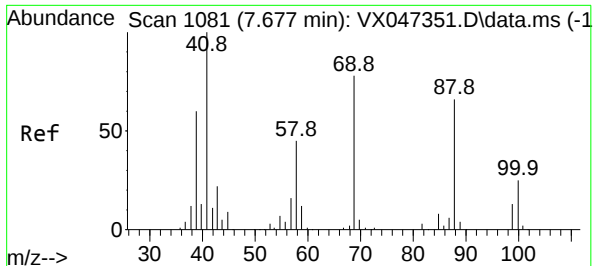
Ion Ratio Lower Upper

117 100

119 6.1 78.5 117.7#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 3.086 ug/l

RT: 7.714 min Scan# 1081

Delta R.T. 0.037 min

Lab File: VX047362.D

Acq: 15 Aug 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :

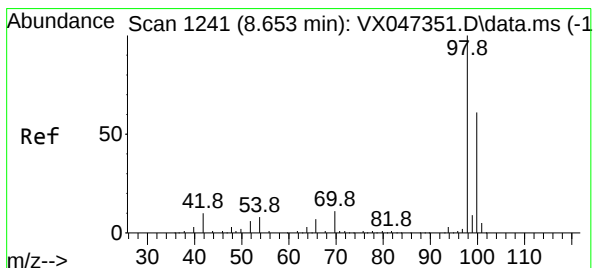
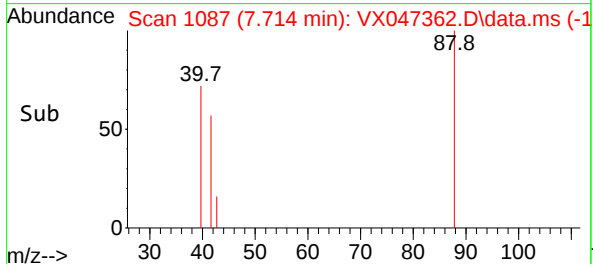
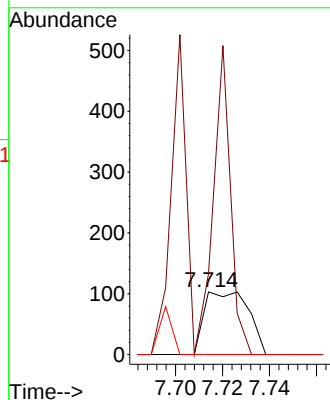
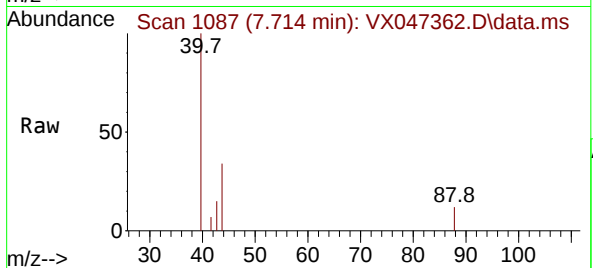
Tgt Ion: 88 Resp: 135

Ion Ratio Lower Upper

88 100

43 191.9 32.4 48.6#

58 0.0 56.9 85.3#



#50

Toluene-d8

Concen: 53.145 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047362.D

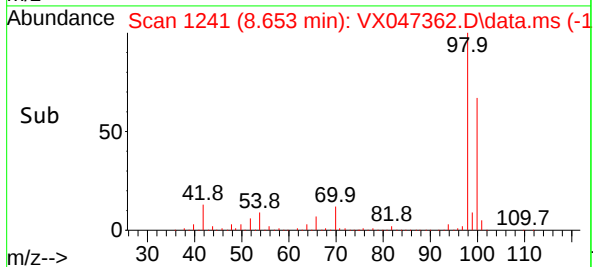
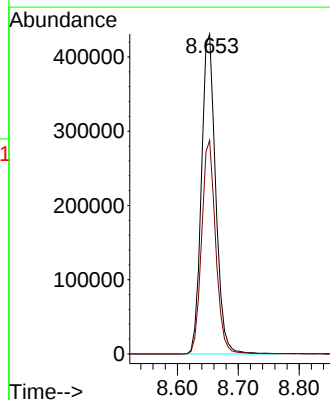
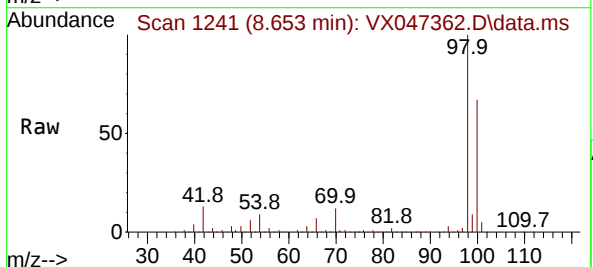
Acq: 15 Aug 2025 15:10

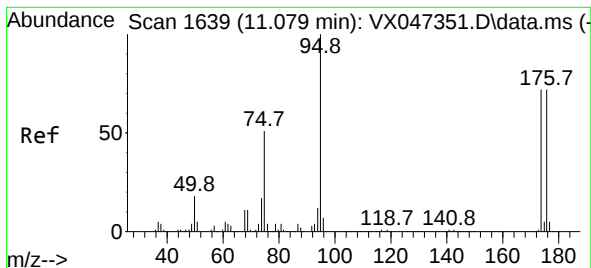
Tgt Ion: 98 Resp: 699422

Ion Ratio Lower Upper

98 100

100 65.8 53.9 80.9

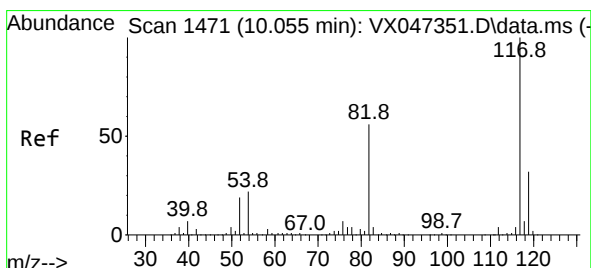
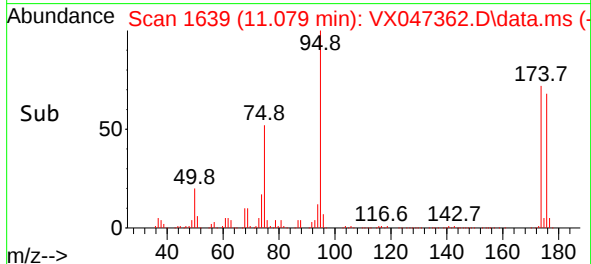
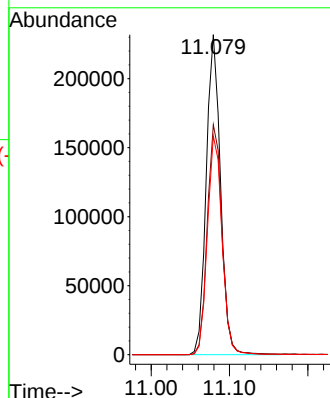
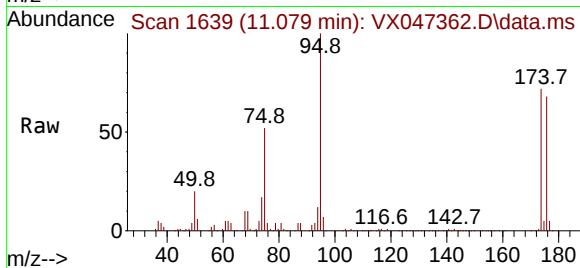




#62
4-Bromofluorobenzene
Concen: 60.094 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

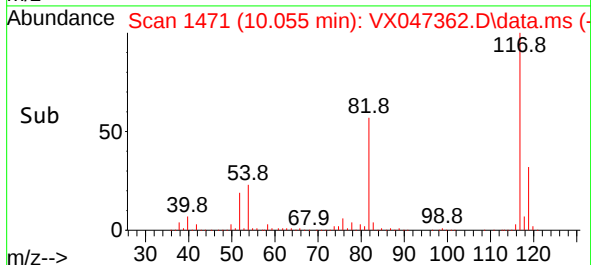
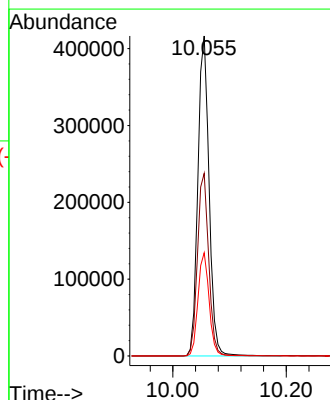
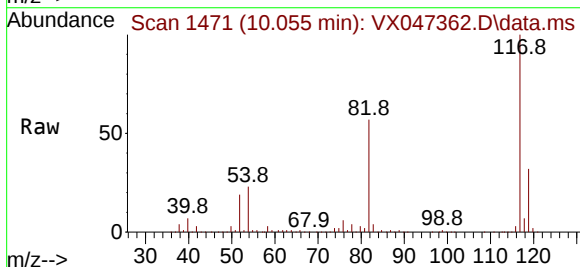
Instrument :
MSVOA_X
ClientSampleId :

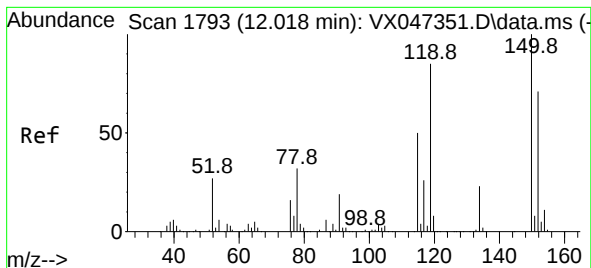
Tgt Ion: 95 Resp: 291848
Ion Ratio Lower Upper
95 100
174 74.4 0.0 148.0
176 70.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

Tgt Ion: 117 Resp: 570443
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 32.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047362.D

Acq: 15 Aug 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :

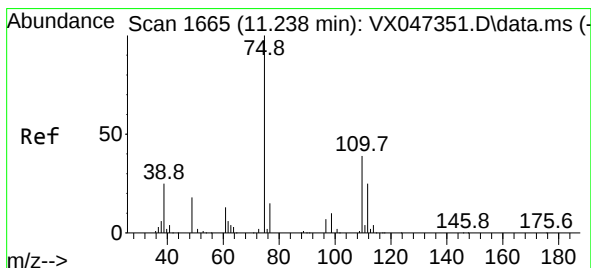
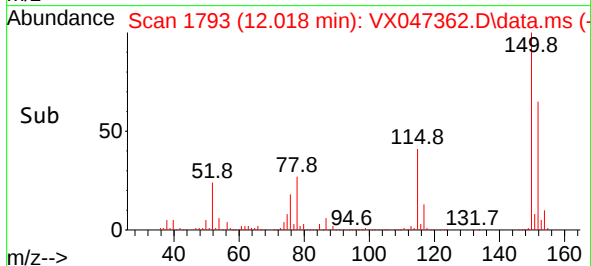
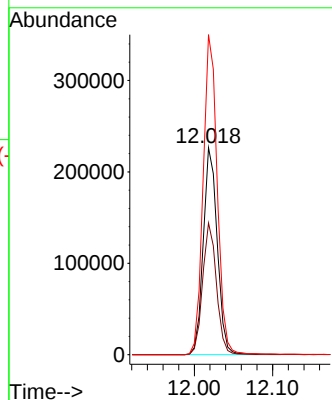
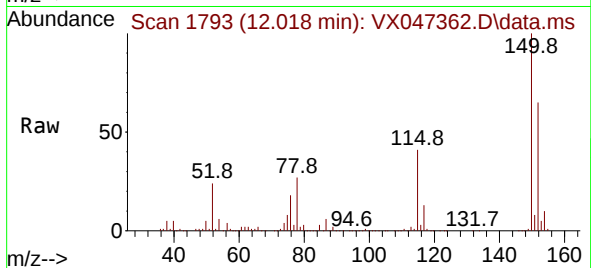
Tgt Ion:152 Resp: 281279

Ion Ratio Lower Upper

152 100

115 62.8 44.6 133.8

150 155.9 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 29.589 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047362.D

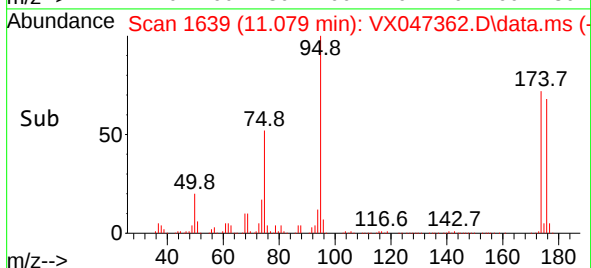
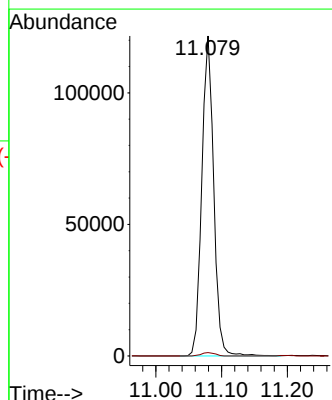
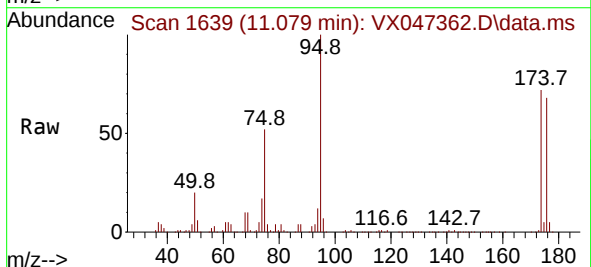
Acq: 15 Aug 2025 15:10

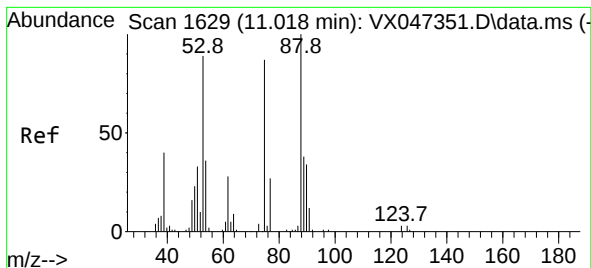
Tgt Ion: 75 Resp: 152651

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#

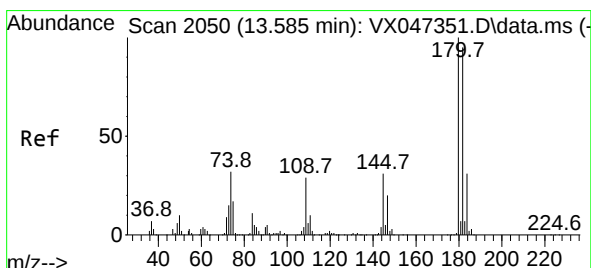
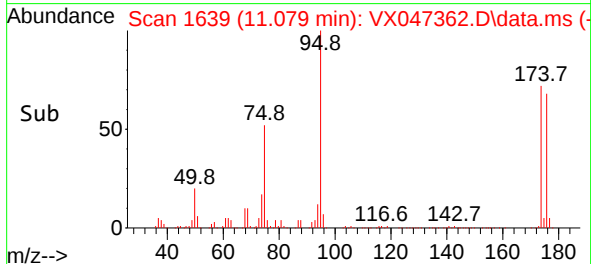
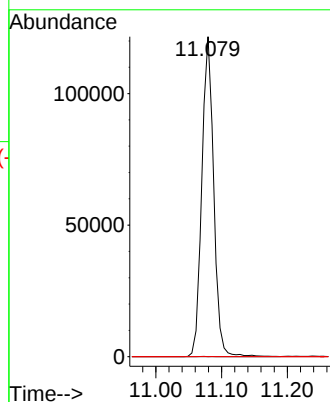
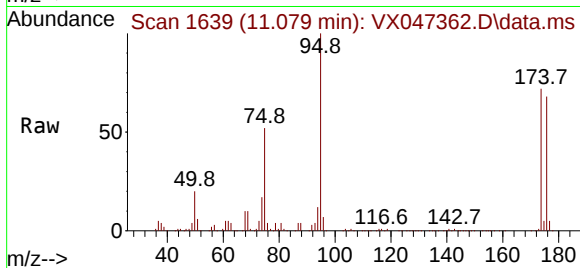




#81
trans-1,4-Dichloro-2-butene
Concen: 116.253 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

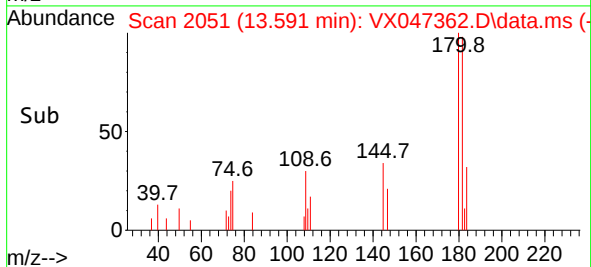
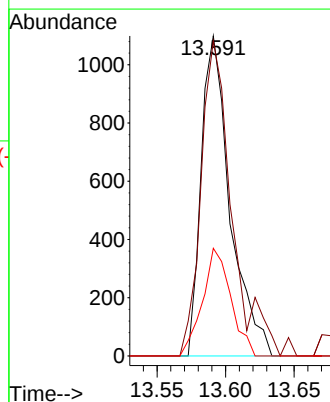
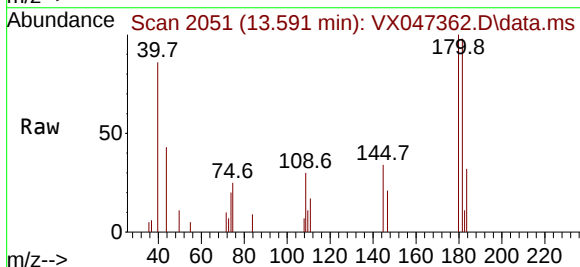
Instrument :
MSVOA_X
ClientSampleId :

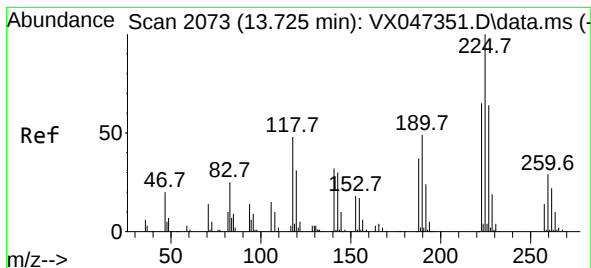
Tgt Ion: 75 Resp: 152651
Ion Ratio Lower Upper
75 100
53 0.1 85.2 127.8#
89 0.0 36.7 55.1#



#93
1,2,4-Trichlorobenzene
Concen: 0.246 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX047362.D
Acq: 15 Aug 2025 15:10

Tgt Ion:180 Resp: 1610
Ion Ratio Lower Upper
180 100
182 106.3 48.1 144.4
145 33.0 16.2 48.5





#94

Hexachlorobutadiene

Concen: 0.944 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047362.D

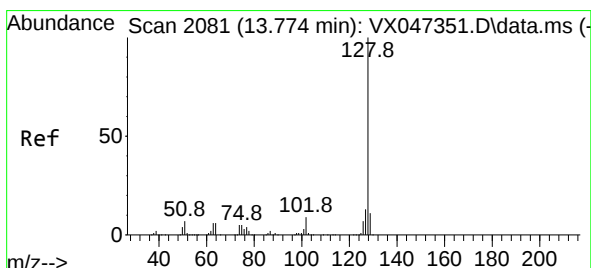
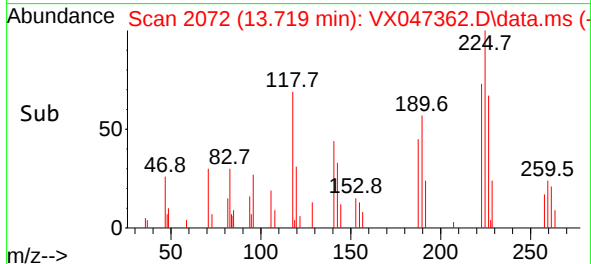
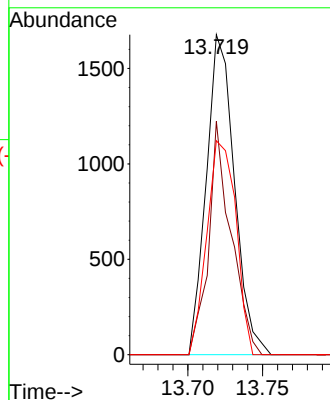
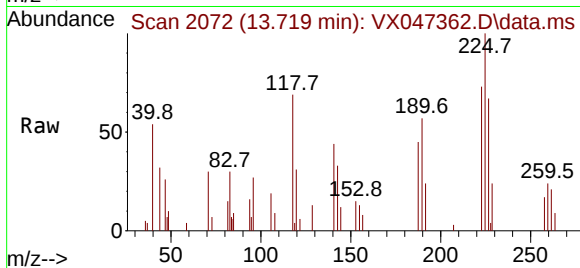
Acq: 15 Aug 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	225	Resp:	2196
Ion	Ratio	Lower	Upper
225	100		
223	58.3	32.2	96.6
227	69.0	31.6	95.0



#95

Naphthalene

Concen: 0.217 ug/l

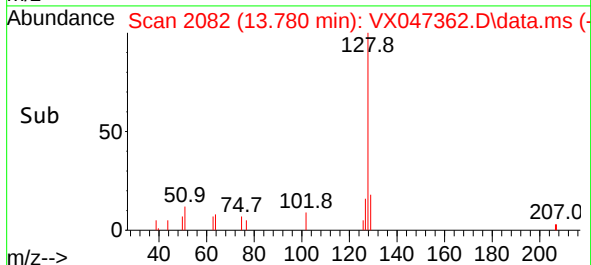
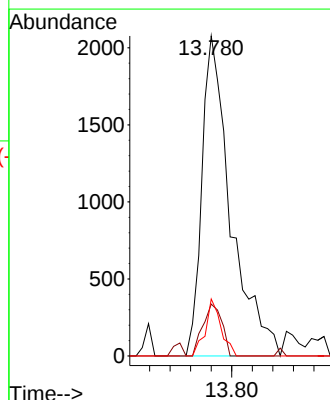
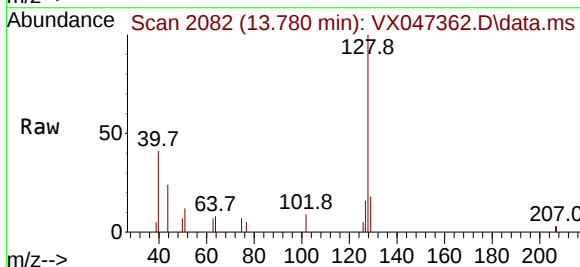
RT: 13.780 min Scan# 2082

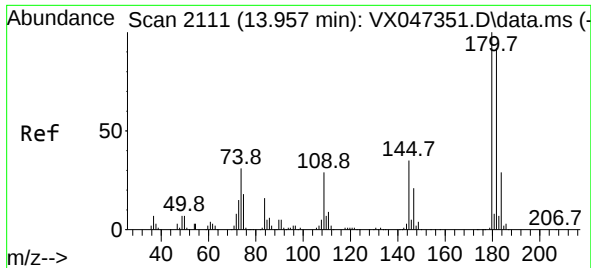
Delta R.T. 0.006 min

Lab File: VX047362.D

Acq: 15 Aug 2025 15:10

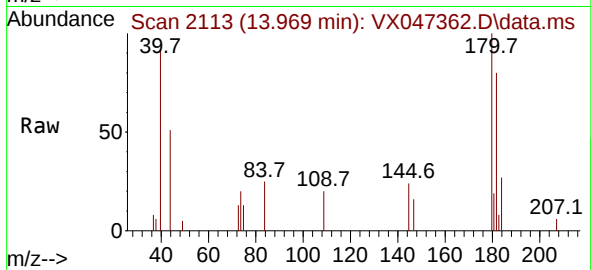
Tgt Ion:	128	Resp:	4059
Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.1	15.1
129	9.6	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.259 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX047362.D
 Acq: 15 Aug 2025 15:10

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1595
Ion	Ratio	Lower	Upper
180	100		
182	111.4	48.0	144.2
145	33.8	17.4	52.2

