

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082825\
 Data File : VX047544.D
 Acq On : 28 Aug 2025 11:20
 Operator : JC/MD
 Sample : VX0828WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828WBL01

Quant Time: Aug 29 02:35:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

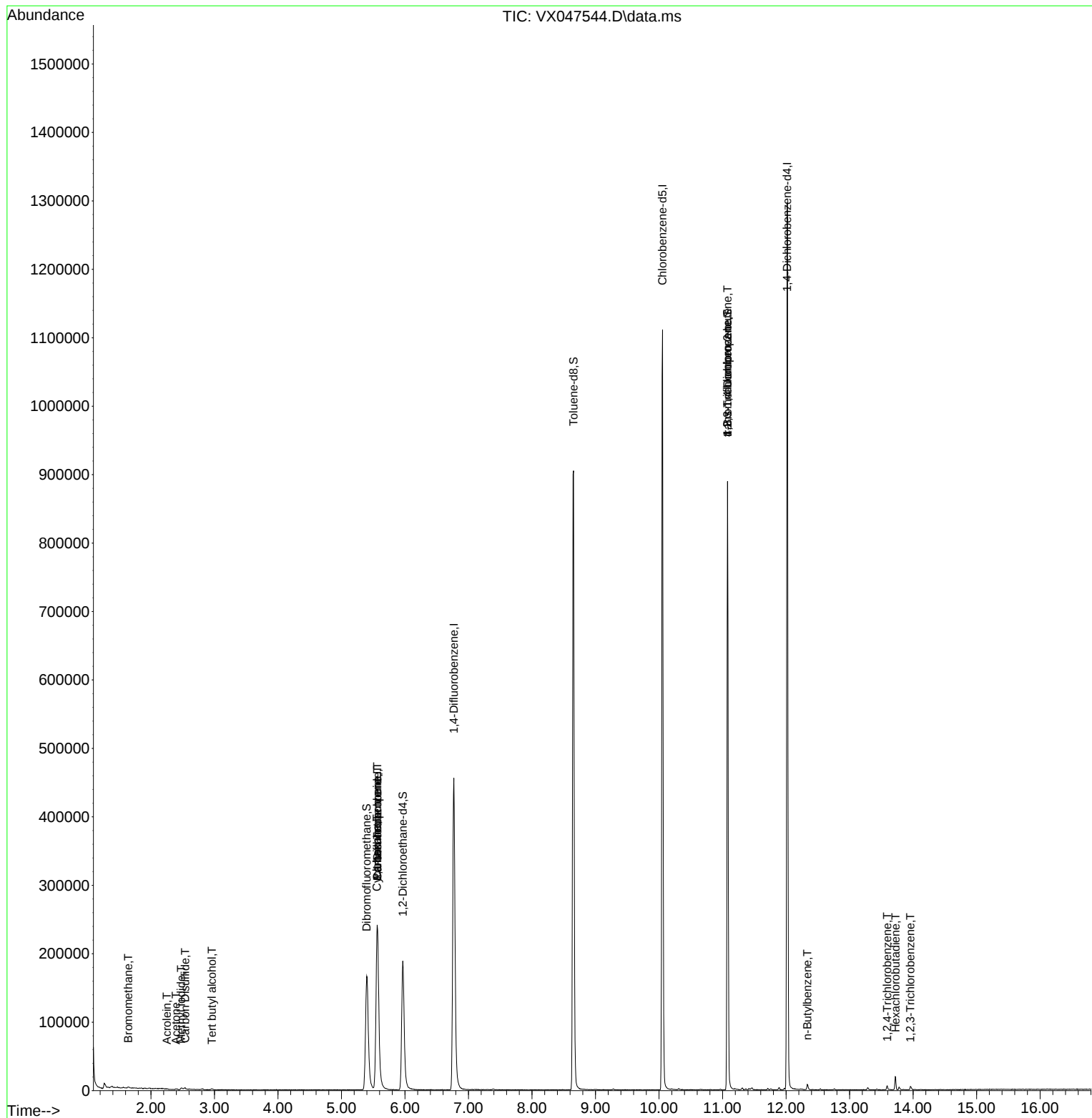
Internal Standards						
1) Pentafluorobenzene	5.562	168	243764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	489967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	497017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	253844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	195297	52.172	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.340%	
35) Dibromofluoromethane	5.397	113	160134	47.619	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.240%	
50) Toluene-d8	8.652	98	563921	47.842	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.680%	
62) 4-Bromofluorobenzene	11.079	95	237773	53.695	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.400%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	1048	0.707	ug/l #	71
10) Methyl Iodide	2.477	142	4198	0.874	ug/l #	92
11) Tert butyl alcohol	2.958	59	79	0.230	ug/l #	73
13) Acrolein	2.251	56	156	0.226	ug/l	94
16) Acetone	2.391	43	1584	1.068	ug/l	97
17) Carbon Disulfide	2.538	76	2518	0.275	ug/l #	91
31) Cyclohexane	5.555	56	4984	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	20132	4.207	ug/l #	42
38) Carbon Tetrachloride	5.562	117	26029	4.902	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	123850	27.337	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	123850	97.153	ug/l #	7
89) n-Butylbenzene	12.335	91	3664	0.256	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	1746	0.328	ug/l	94
94) Hexachlorobutadiene	13.725	225	2696	1.458	ug/l	97
96) 1,2,3-Trichlorobenzene	13.956	180	1543	0.309	ug/l	89

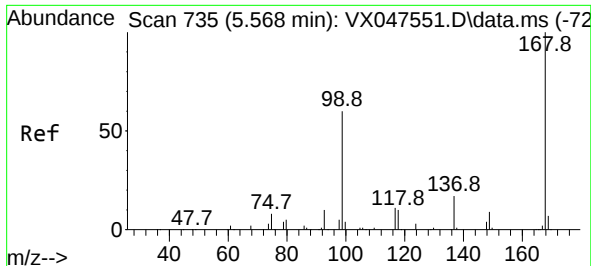
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082825\
Data File : VX047544.D
Acq On : 28 Aug 2025 11:20
Operator : JC/MD
Sample : VX0828WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

Quant Time: Aug 29 02:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 29 02:31:18 2025
Response via : Initial Calibration

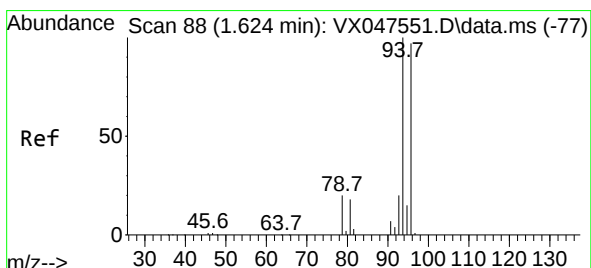
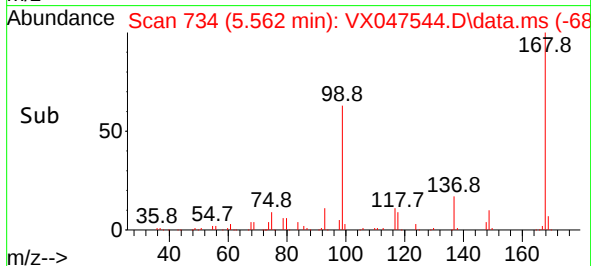
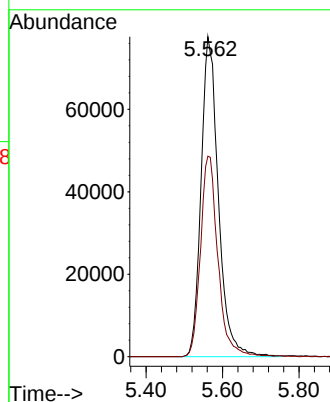
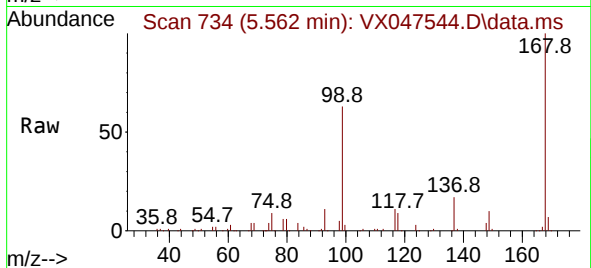




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

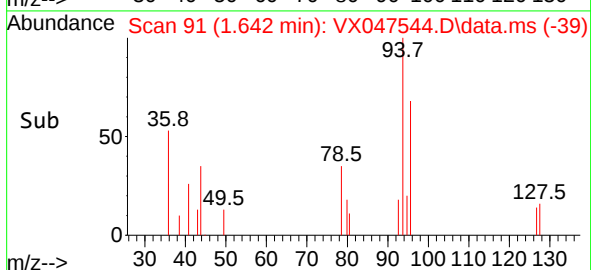
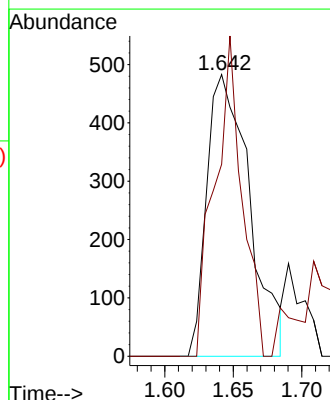
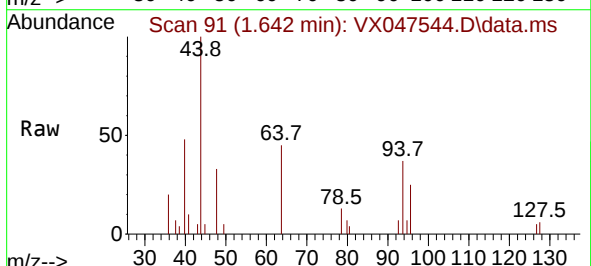
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

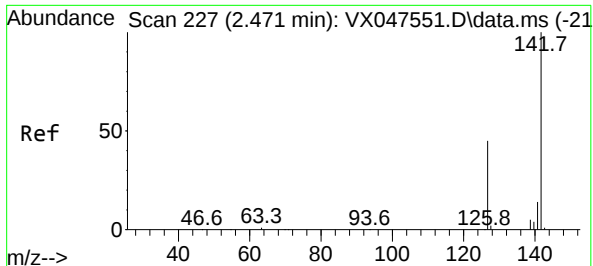
Tgt Ion:168 Resp: 243764
Ion Ratio Lower Upper
168 100
99 62.6 48.9 73.3



#5
Bromomethane
Concen: 0.707 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

Tgt Ion: 94 Resp: 1048
Ion Ratio Lower Upper
94 100
96 68.1 77.7 116.5#

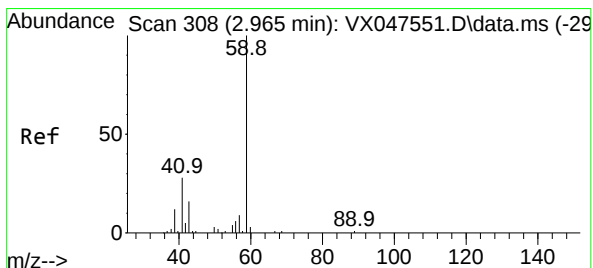
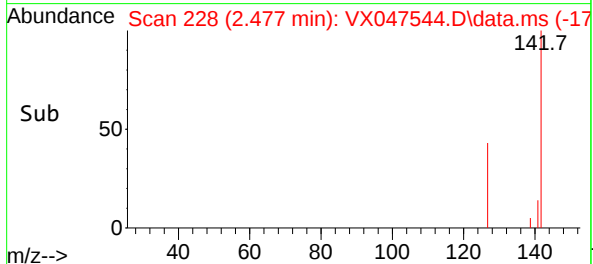
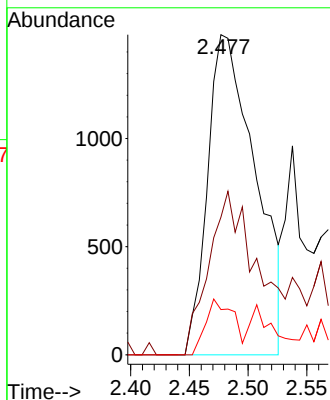
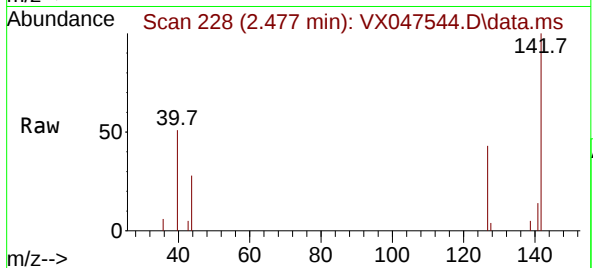




#10
Methyl Iodide
Concen: 0.874 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

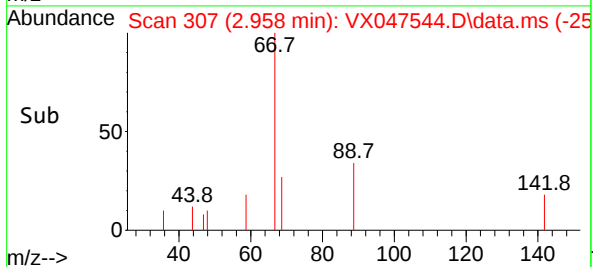
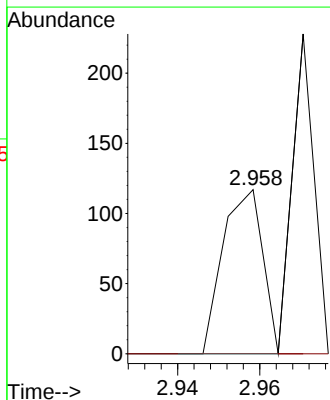
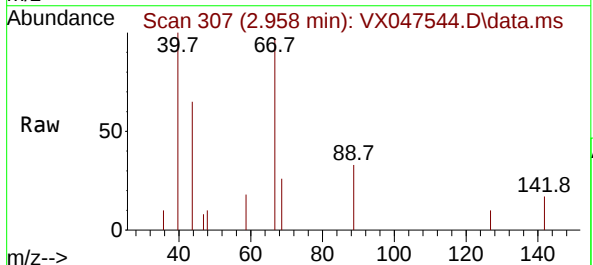
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

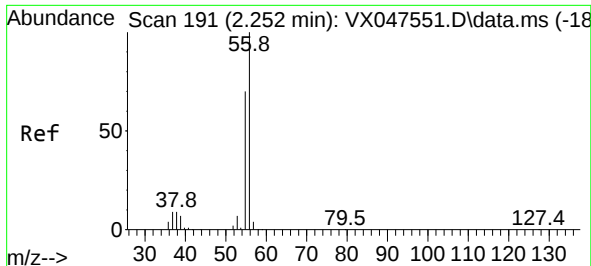
Tgt Ion:142 Resp: 4198
Ion Ratio Lower Upper
142 100
127 52.4 37.6 56.4
141 10.1 10.6 16.0#



#11
Tert butyl alcohol
Concen: 0.230 ug/l
RT: 2.958 min Scan# 307
Delta R.T. -0.007 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

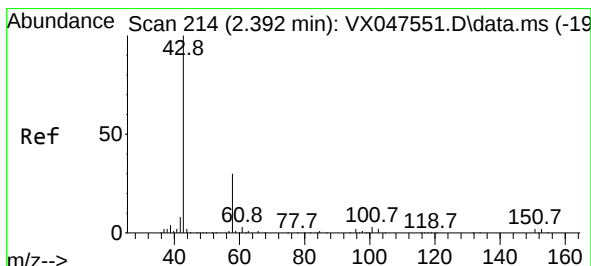
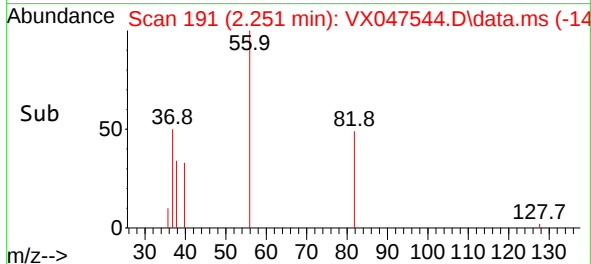
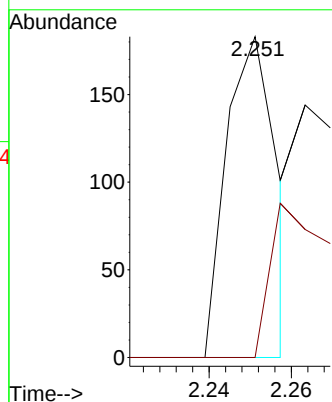
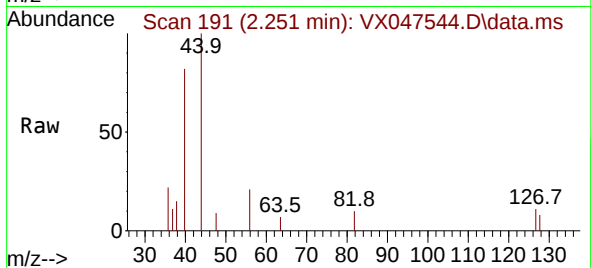




#13
Acrolein
Concen: 0.226 ug/l
RT: 2.251 min Scan# 191
Delta R.T. -0.001 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

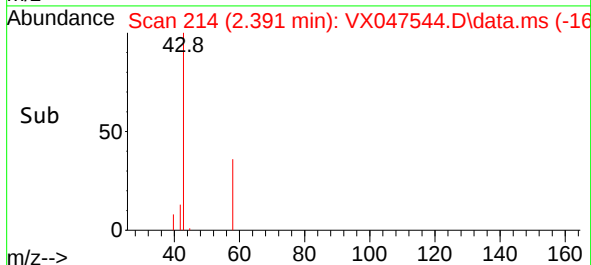
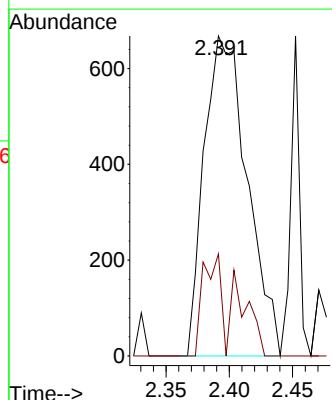
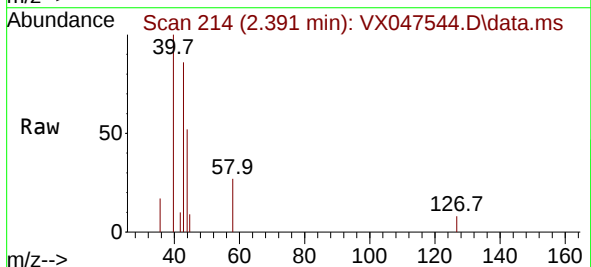
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

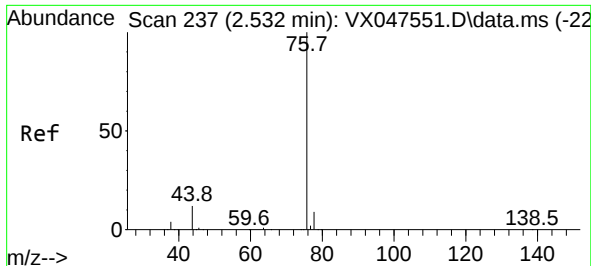
Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 66.0 57.0 85.6



#16
Acetone
Concen: 1.068 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.001 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

Tgt Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
58 31.9 24.2 36.2

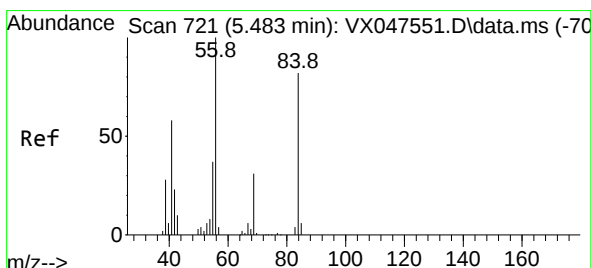
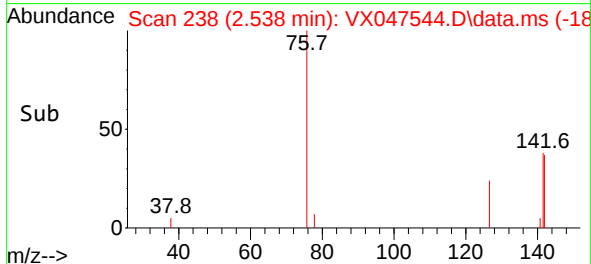
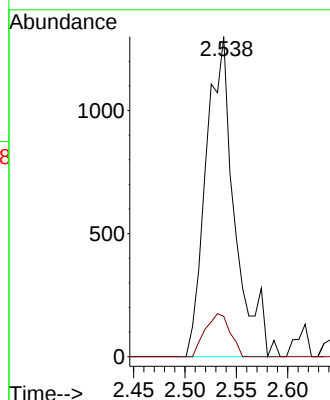
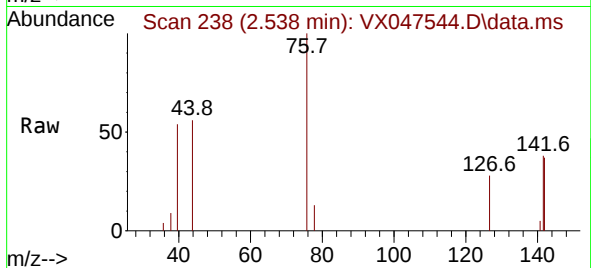




#17
Carbon Disulfide
Concen: 0.275 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

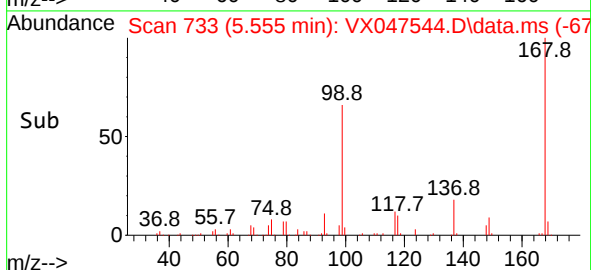
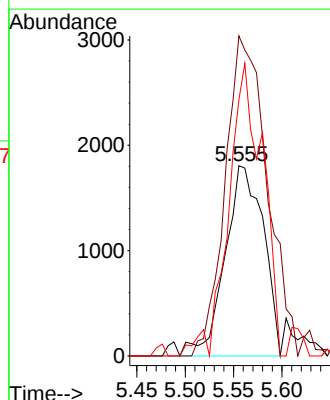
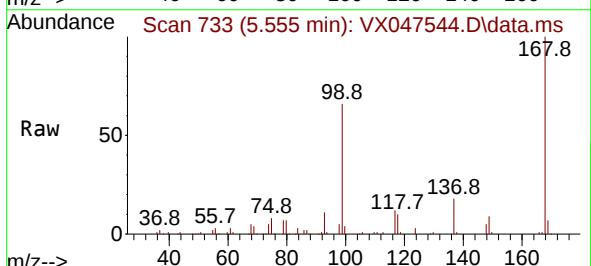
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

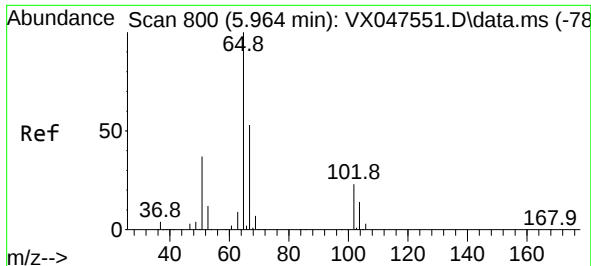
Tgt Ion: 76 Resp: 2518
Ion Ratio Lower Upper
76 100
78 12.6 7.4 11.0#



#31
Cyclohexane
Concen: 0.947 ug/l
RT: 5.555 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

Tgt Ion: 56 Resp: 4984
Ion Ratio Lower Upper
56 100
69 165.0 24.2 36.2#
84 129.9 65.5 98.3#





#33

1,2-Dichloroethane-d4

Concen: 52.172 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.001 min

Lab File: VX047544.D

Acq: 28 Aug 2025 11:20

Instrument :

MSVOA_X

ClientSampleId :

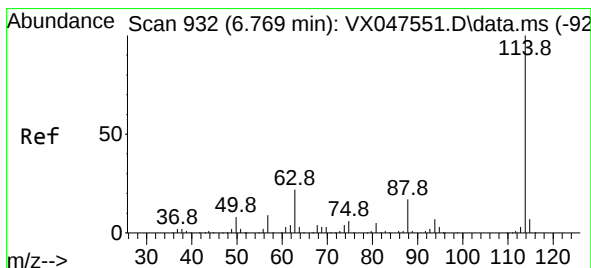
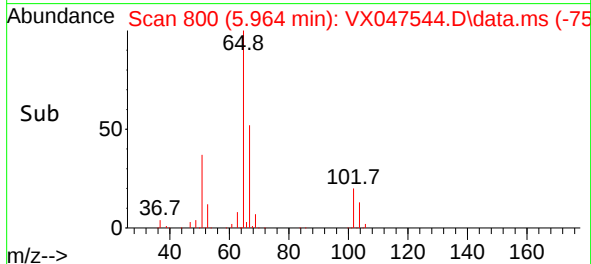
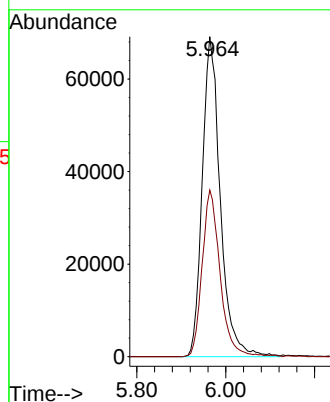
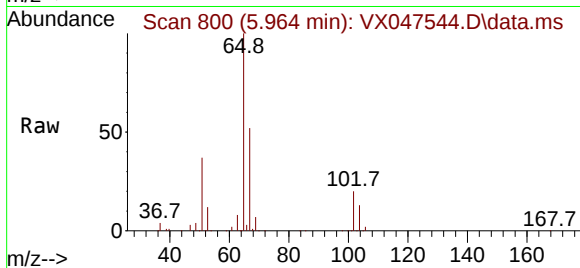
VX0828WBL01

Tgt Ion: 65 Resp: 195297

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX047544.D

Acq: 28 Aug 2025 11:20

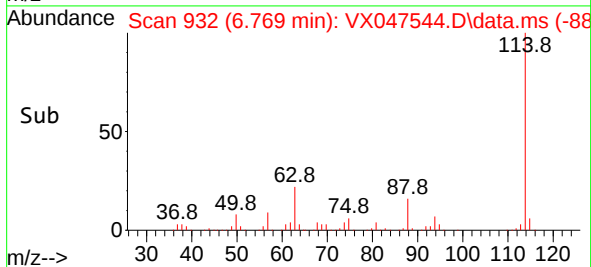
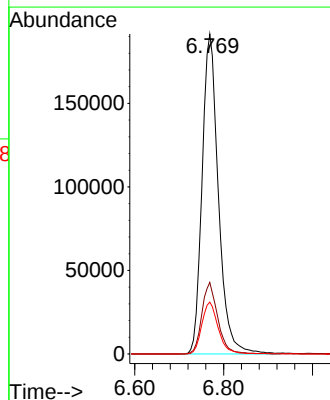
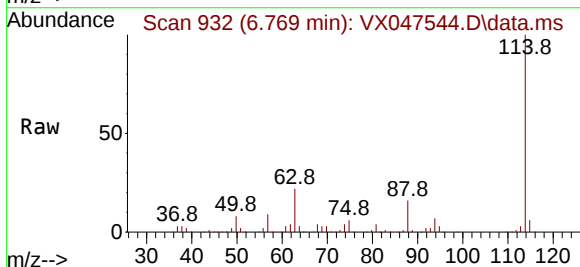
Tgt Ion: 114 Resp: 489967

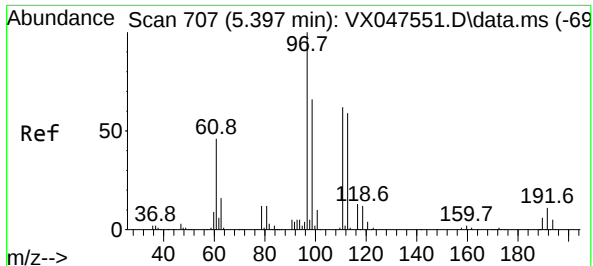
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.619 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX047544.D

Acq: 28 Aug 2025 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL01

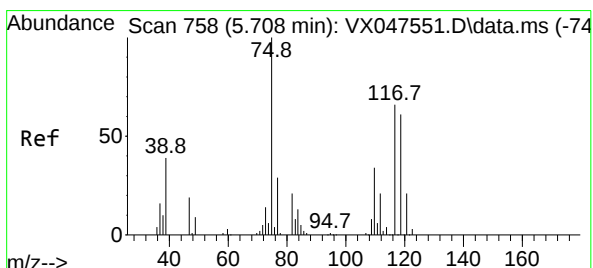
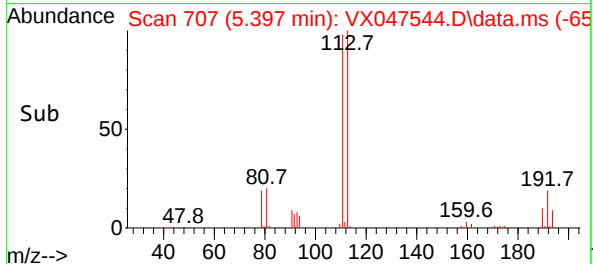
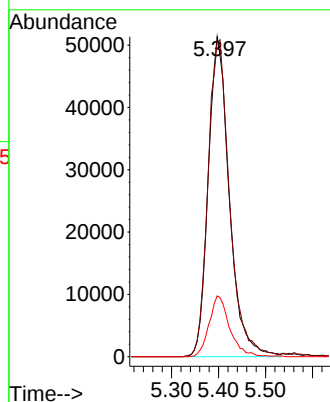
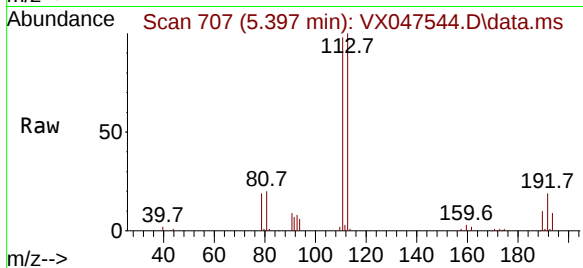
Tgt Ion:113 Resp: 160134

Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

192 18.5 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.207 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.147 min

Lab File: VX047544.D

Acq: 28 Aug 2025 11:20

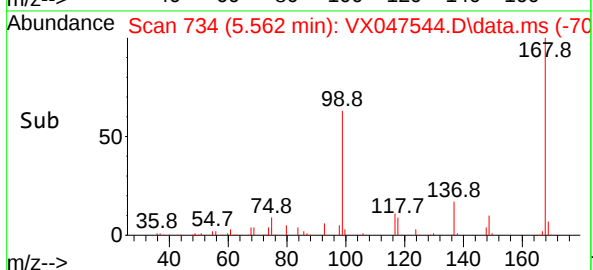
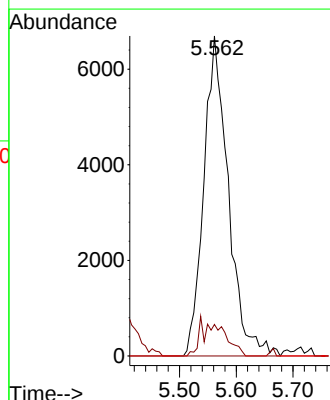
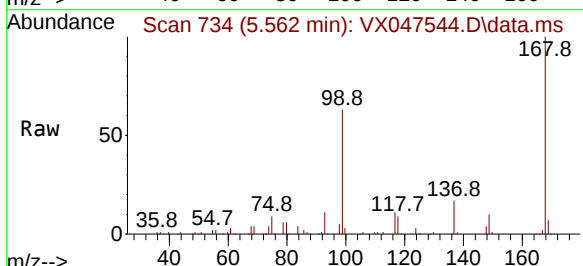
Tgt Ion: 75 Resp: 20132

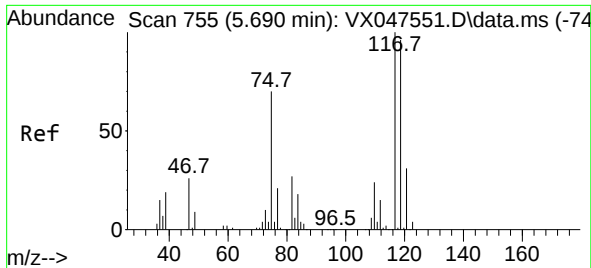
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.3#

77 0.0 25.0 37.6#

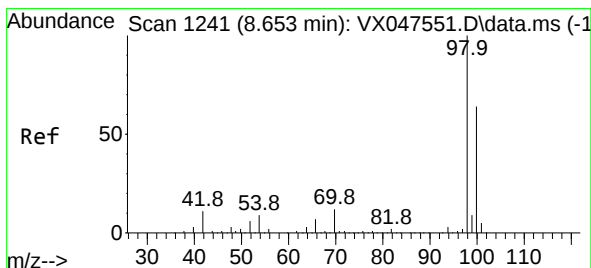
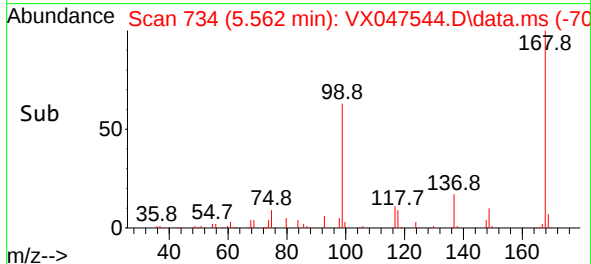
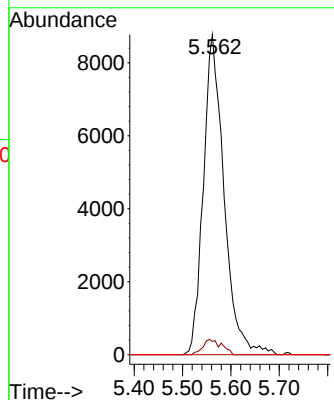
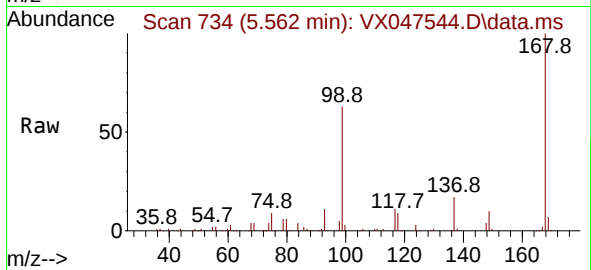




#38
Carbon Tetrachloride
Concen: 4.902 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.129 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

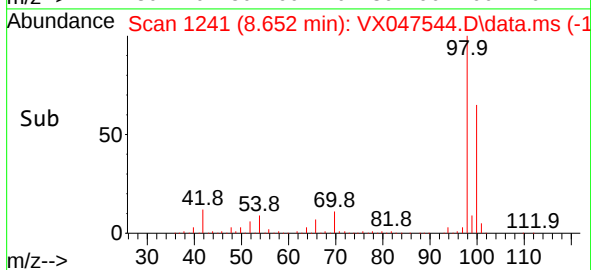
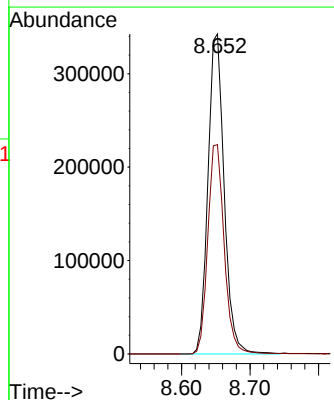
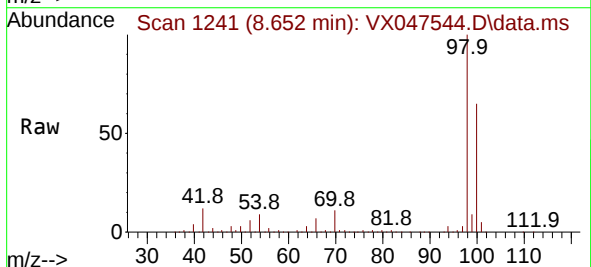
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

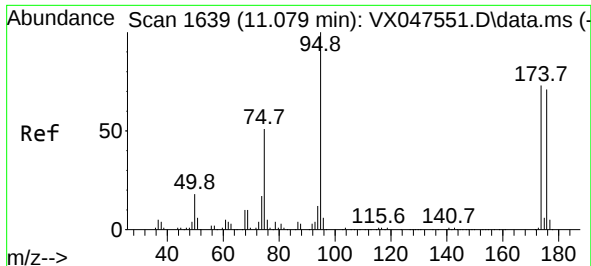
Tgt Ion:117 Resp: 26029
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 47.842 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

Tgt Ion: 98 Resp: 563921
Ion Ratio Lower Upper
98 100
100 66.4 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 53.695 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.001 min

Lab File: VX047544.D

Acq: 28 Aug 2025 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL01

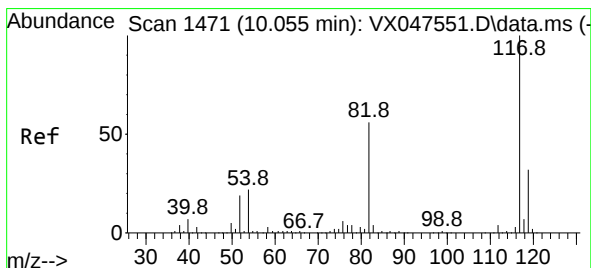
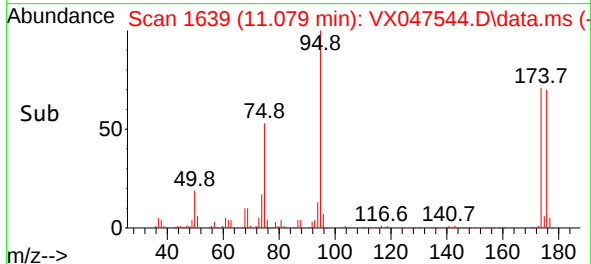
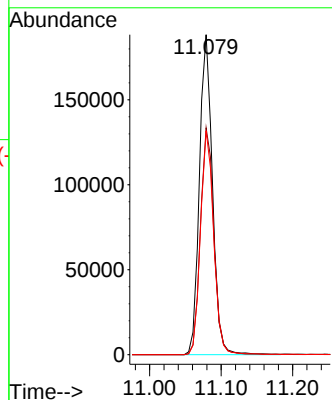
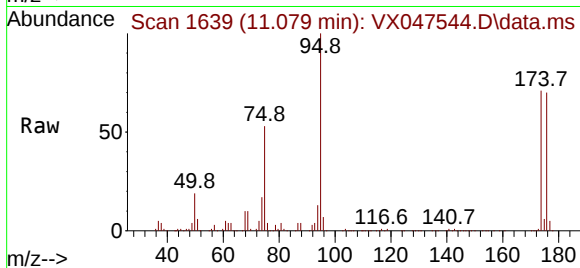
Tgt Ion: 95 Resp: 237773

Ion Ratio Lower Upper

95 100

174 73.4 0.0 145.2

176 70.8 0.0 140.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX047544.D

Acq: 28 Aug 2025 11:20

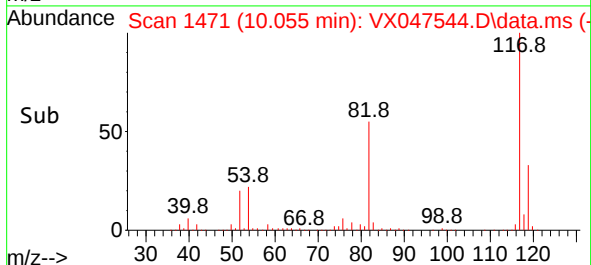
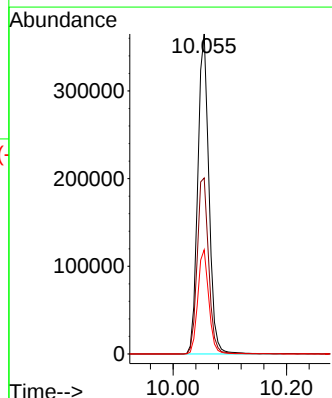
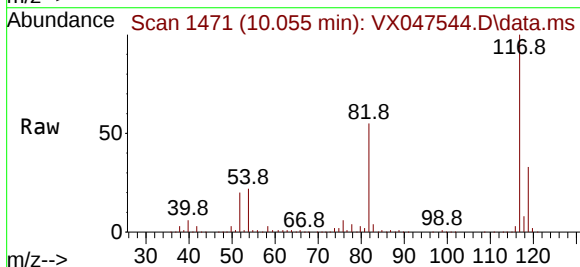
Tgt Ion: 117 Resp: 497017

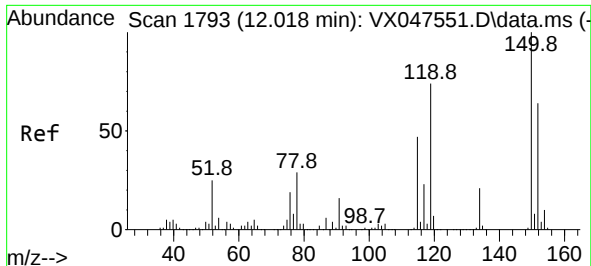
Ion Ratio Lower Upper

117 100

82 55.0 44.6 66.8

119 32.6 25.7 38.5

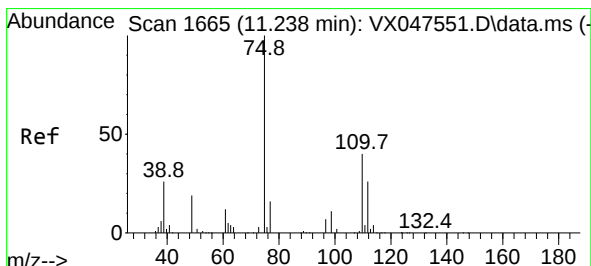
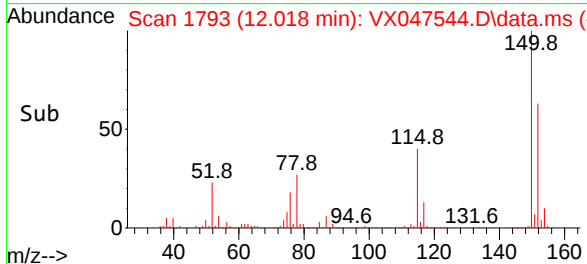
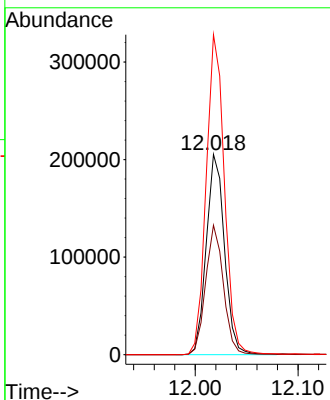
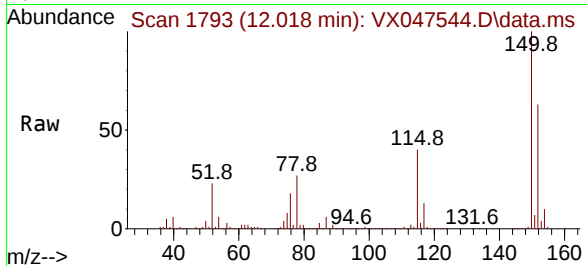




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.001 min
 Lab File: VX047544.D
 Acq: 28 Aug 2025 11:20

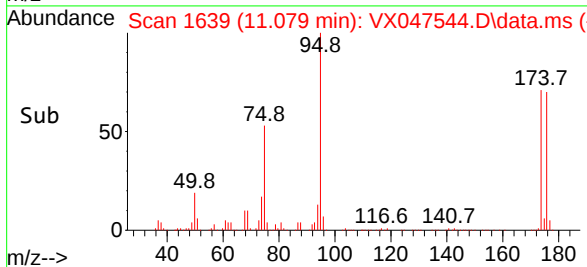
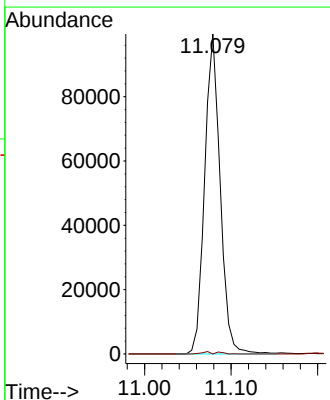
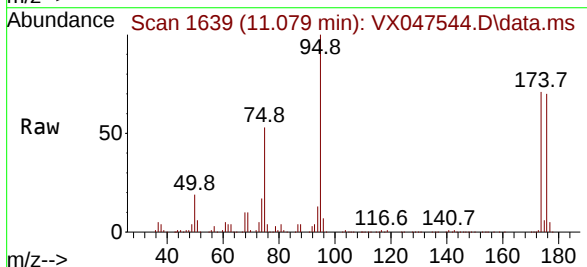
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828WBL01

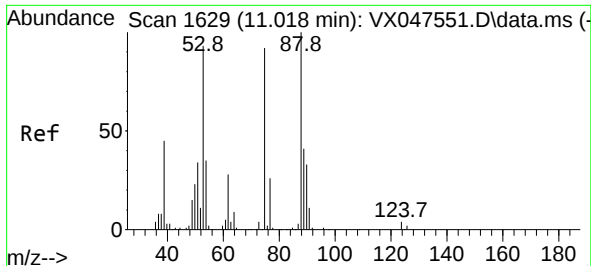
Tgt Ion:152 Resp: 253844
 Ion Ratio Lower Upper
 152 100
 115 63.4 42.9 128.5
 150 159.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.337 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047544.D
 Acq: 28 Aug 2025 11:20

Tgt Ion: 75 Resp: 123850
 Ion Ratio Lower Upper
 75 100
 77 0.4 19.7 59.1#

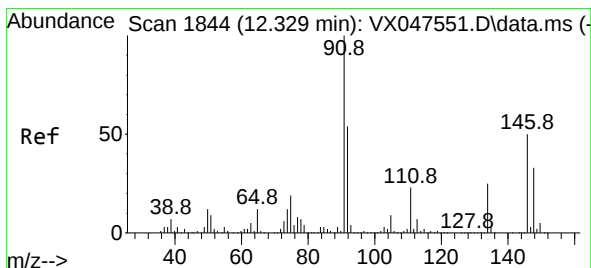
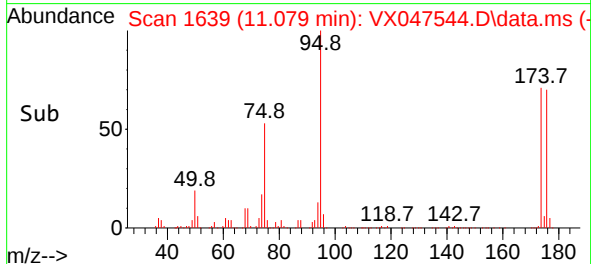
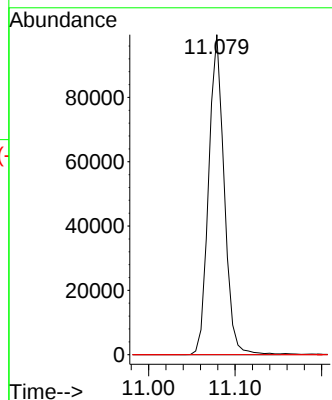
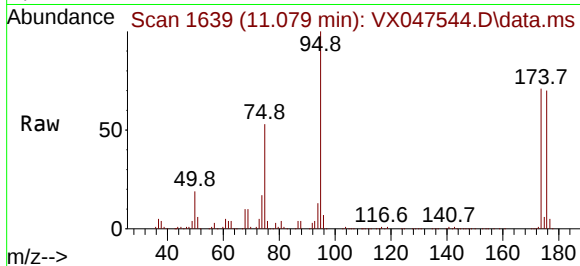




#81
trans-1,4-Dichloro-2-butene
Concen: 97.153 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

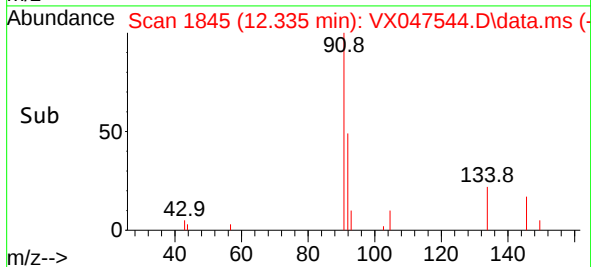
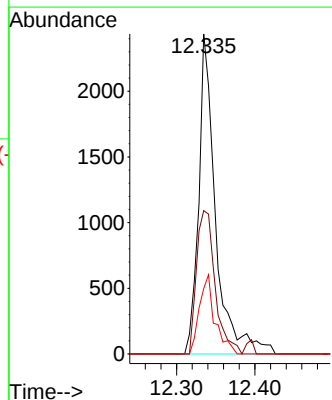
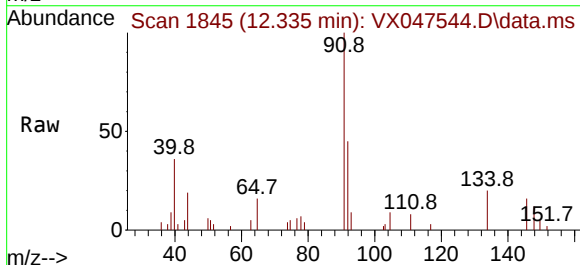
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

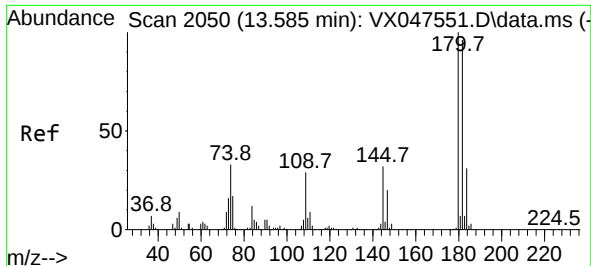
Tgt Ion: 75 Resp: 123850
Ion Ratio Lower Upper
75 100
53 0.0 85.7 128.5#
89 0.0 36.4 54.6#



#89
n-Butylbenzene
Concen: 0.256 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX047544.D
Acq: 28 Aug 2025 11:20

Tgt Ion: 91 Resp: 3664
Ion Ratio Lower Upper
91 100
92 49.1 27.0 81.0
134 22.7 12.6 37.6





#93

1,2,4-Trichlorobenzene

Concen: 0.328 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX047544.D

Acq: 28 Aug 2025 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL01

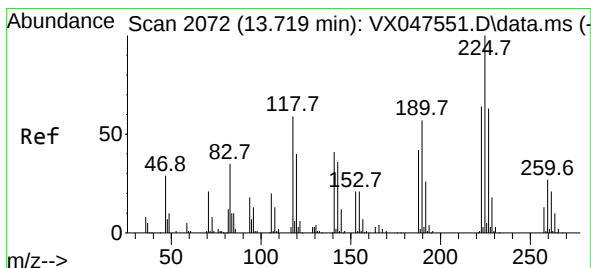
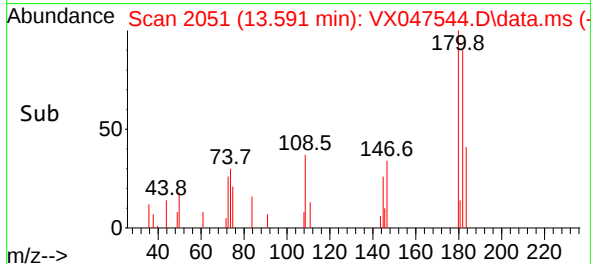
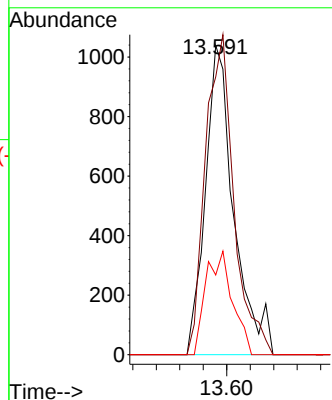
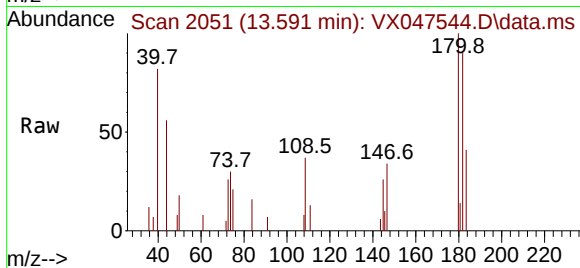
Tgt Ion:180 Resp: 1746

Ion Ratio Lower Upper

180 100

182 103.2 47.7 143.1

145 31.3 16.3 48.8



#94

Hexachlorobutadiene

Concen: 1.458 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX047544.D

Acq: 28 Aug 2025 11:20

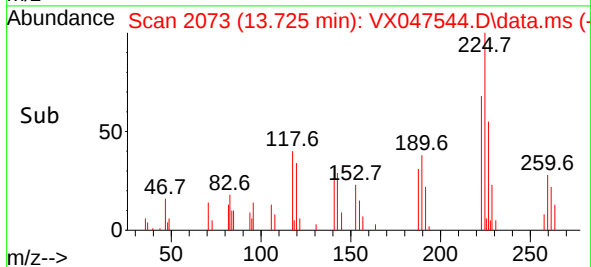
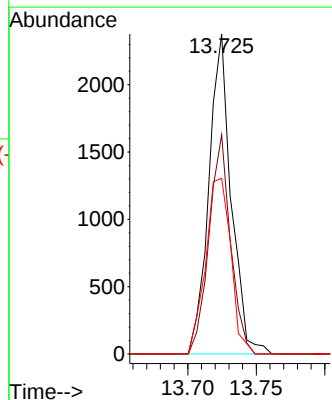
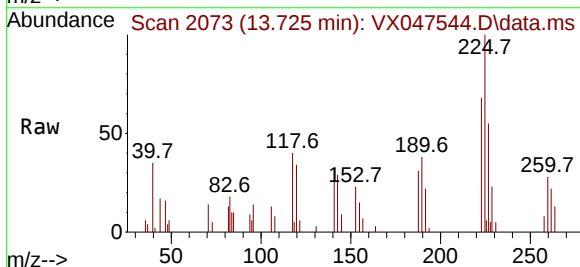
Tgt Ion:225 Resp: 2696

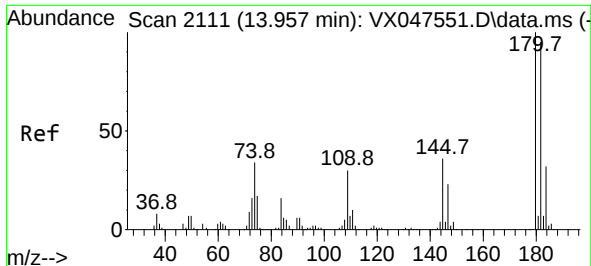
Ion Ratio Lower Upper

225 100

223 65.7 31.1 93.5

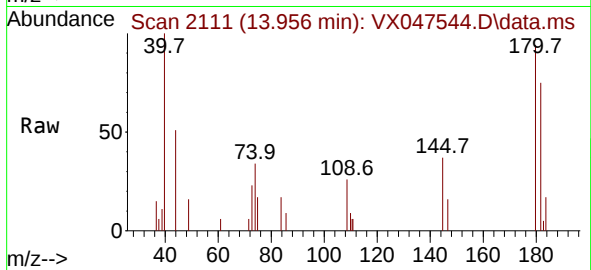
227 61.8 31.8 95.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.309 ug/l
 RT: 13.956 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: VX047544.D
 Acq: 28 Aug 2025 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828WBL01



Tgt Ion:	180	Resp:	1543
Ion	Ratio	Lower	Upper
180	100		
182	106.0	48.1	144.4
145	43.2	17.6	52.9

