

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047078.D
 Acq On : 23 Jul 2025 09:58
 Operator : JC/MD
 Sample : VX0723MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723MBL01

Quant Time: Jul 24 05:43:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

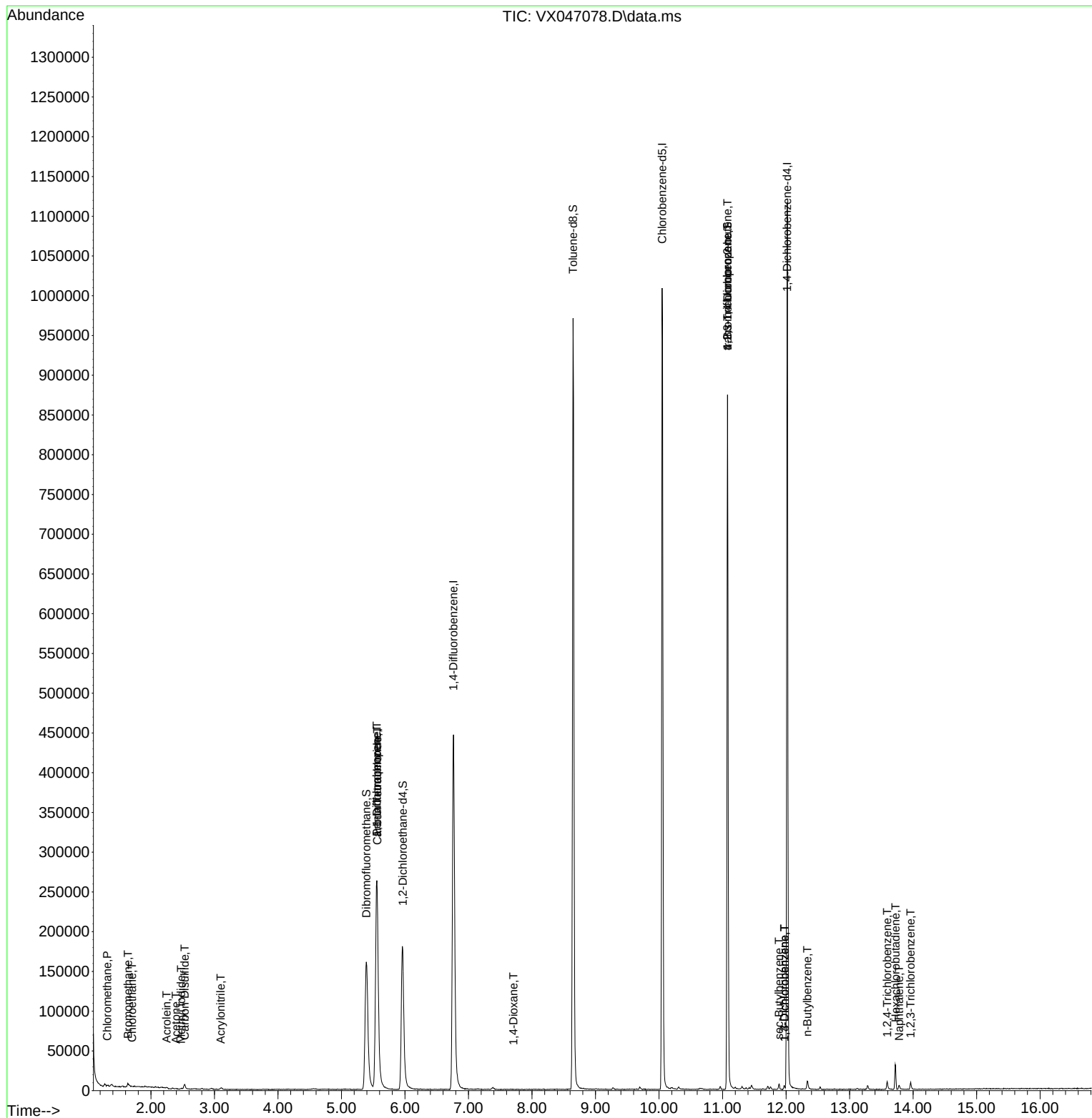
Internal Standards						
1) Pentafluorobenzene	5.556	168	263409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	478754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	452406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	220696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	191586	58.388	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.780%			
35) Dibromofluoromethane	5.391	113	158439	53.599	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.200%			
50) Toluene-d8	8.647	98	579378	60.523	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 121.040%#			
62) 4-Bromofluorobenzene	11.079	95	232378	56.329	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.660%			
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	792	0.229	ug/l #	82
5) Bromomethane	1.636	94	2455	1.215	ug/l	88
6) Chloroethane	1.703	64	962	0.394	ug/l #	43
10) Methyl Iodide	2.477	142	1742	0.511	ug/l #	96
11) Tert butyl alcohol	2.953	59	117	Below Cal	#	72
13) Acrolein	2.246	56	414	0.586	ug/l	98
15) Acrylonitrile	3.099	53	709	0.453	ug/l #	87
16) Acetone	2.392	43	1383	1.052	ug/l #	59
17) Carbon Disulfide	2.532	76	7335	0.766	ug/l #	95
36) 1,1-Dichloropropene	5.556	75	21982	4.363	ug/l #	51
38) Carbon Tetrachloride	5.562	117	28359	5.273	ug/l #	16
49) 1,4-Dioxane	7.708	88	25	0.557	ug/l #	20
76) 1,2,3-Trichloropropane	11.079	75	121286	29.691	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	121286	76.495	ug/l #	8
85) sec-Butylbenzene	11.890	105	3647	0.202	ug/l	97
87) 1,3-Dichlorobenzene	11.976	146	1746	0.220	ug/l	95
88) 1,4-Dichlorobenzene	11.976	146	1746	0.217	ug/l	97
89) n-Butylbenzene	12.335	91	4670	0.333	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	2937	0.586	ug/l	96
94) Hexachlorobutadiene	13.725	225	4058	2.381	ug/l	94
95) Naphthalene	13.780	128	4848	0.330	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.963	180	2276	0.471	ug/l	86

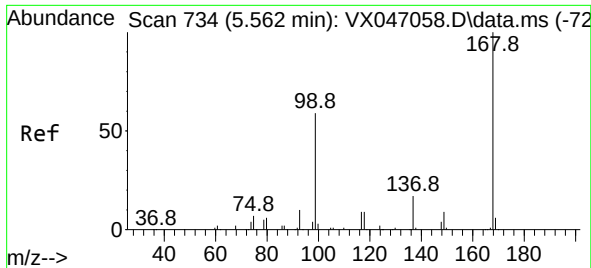
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
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Sample : VX0723MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

Quant Time: Jul 24 05:43:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

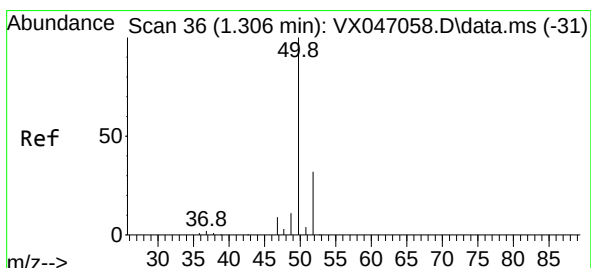
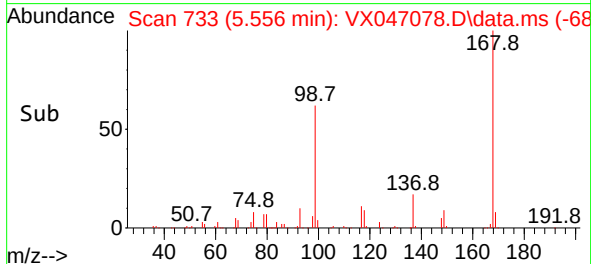
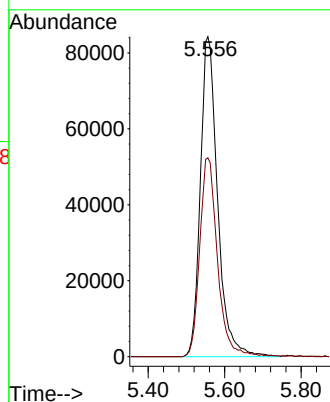
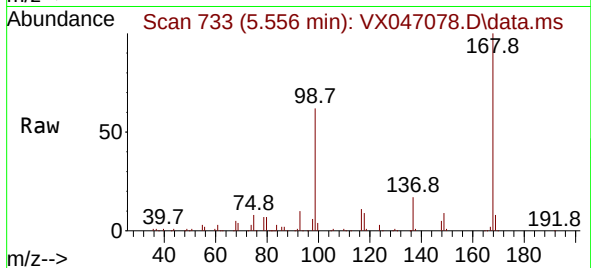




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

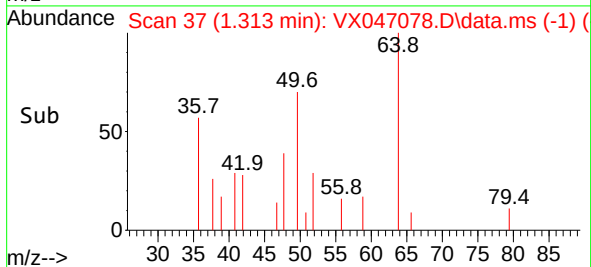
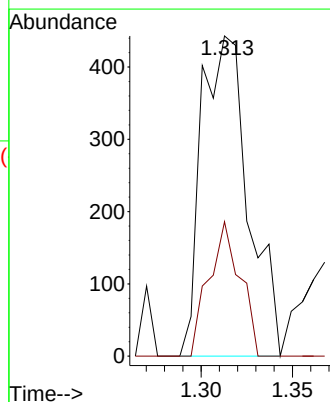
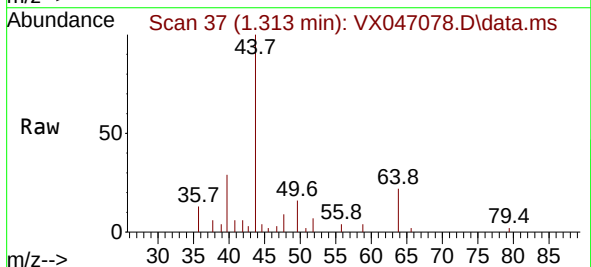
Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

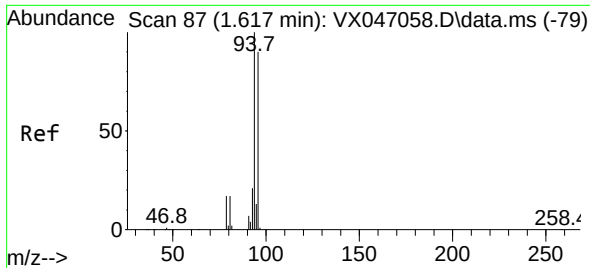
Tgt Ion:168 Resp: 263409
Ion Ratio Lower Upper
168 100
99 62.2 48.0 72.0



#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.007 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 50 Resp: 792
Ion Ratio Lower Upper
50 100
52 42.0 25.4 38.2#

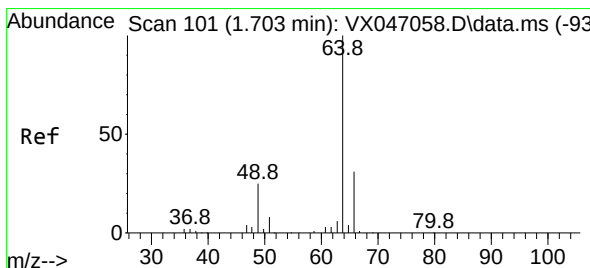
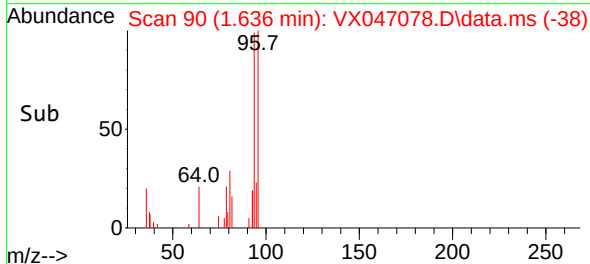
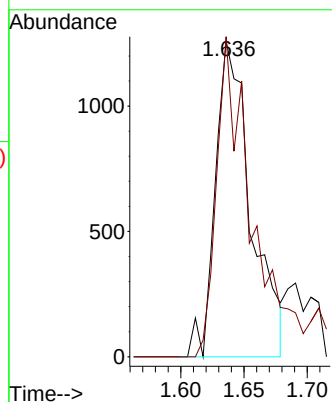
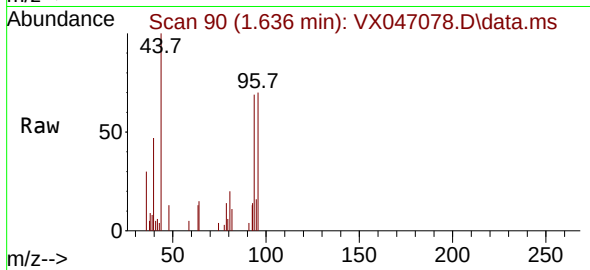




#5
Bromomethane
Concen: 1.215 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

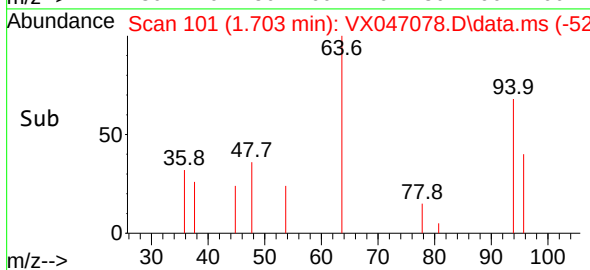
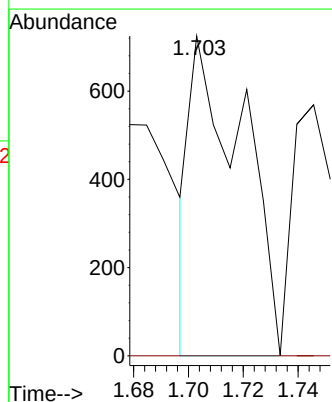
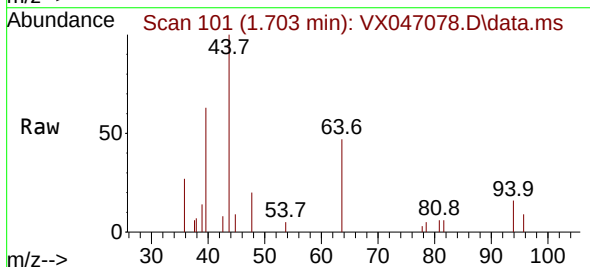
Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

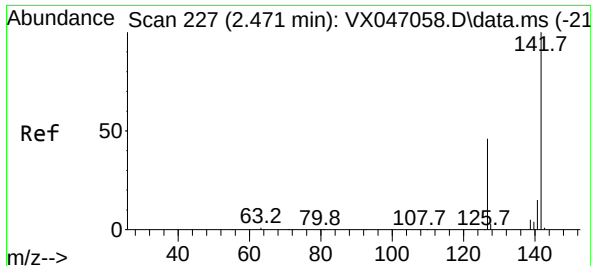
Tgt Ion: 94 Resp: 2455
Ion Ratio Lower Upper
94 100
96 101.3 72.3 108.5



#6
Chloroethane
Concen: 0.394 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 64 Resp: 962
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

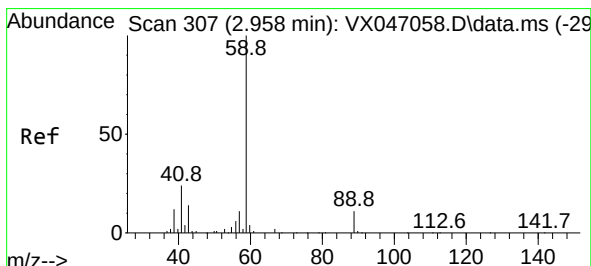
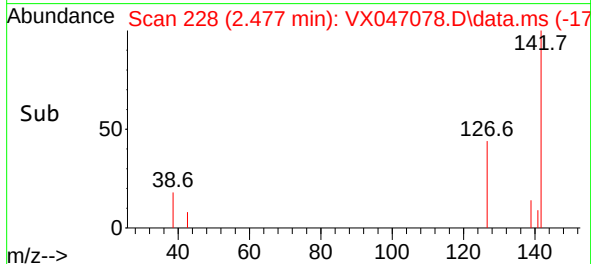
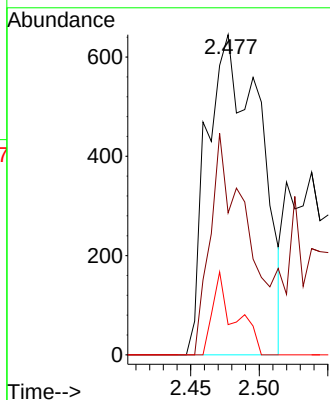
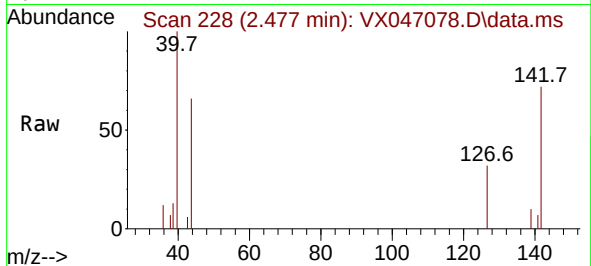




#10
Methyl Iodide
Concen: 0.511 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

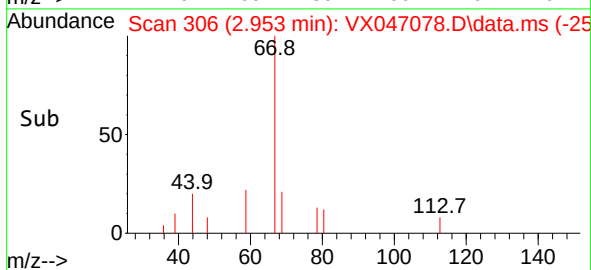
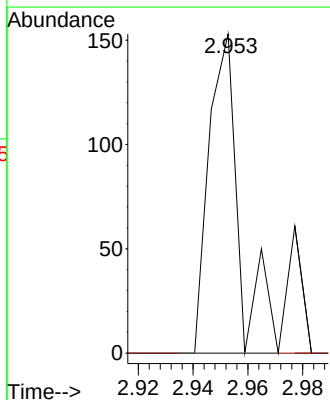
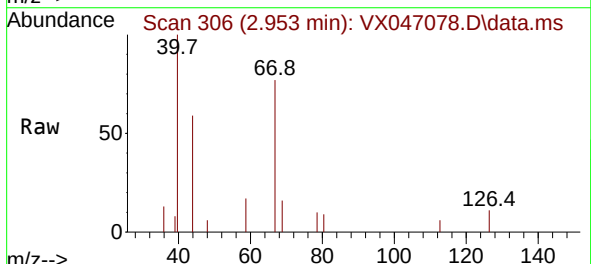
Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

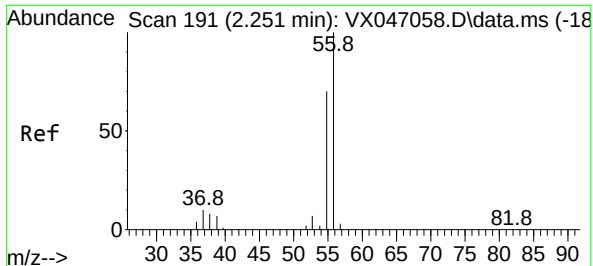
Tgt Ion:142 Resp: 1742
Ion Ratio Lower Upper
142 100
127 47.4 36.6 54.8
141 10.8 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

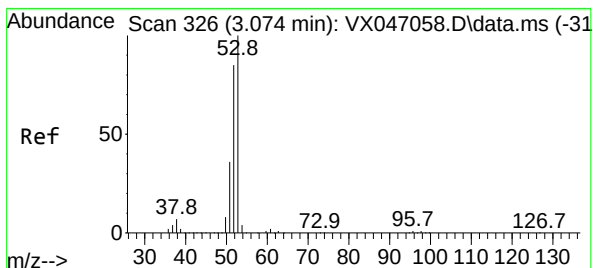
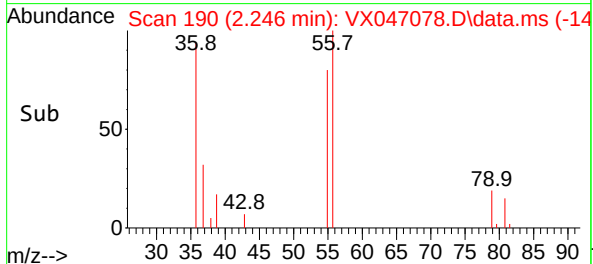
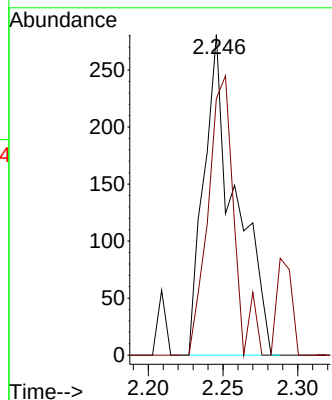
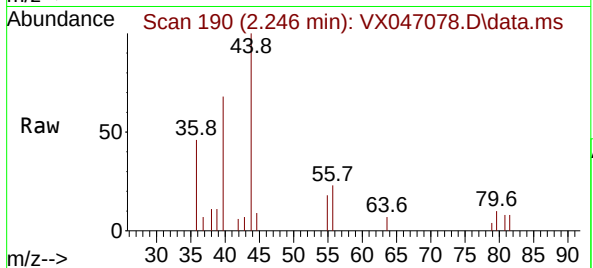




#13
Acrolein
Concen: 0.586 ug/l
RT: 2.246 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

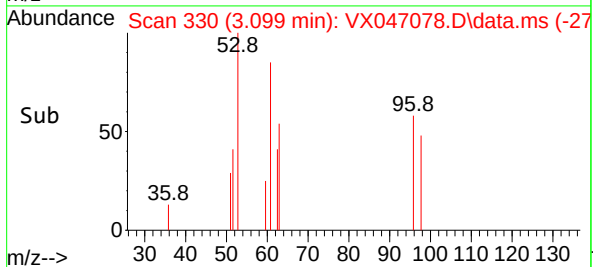
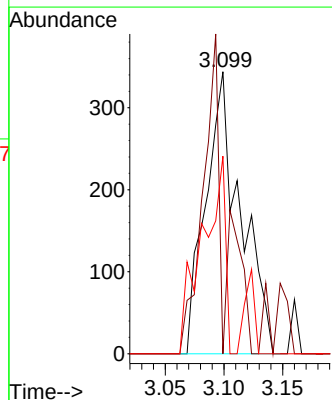
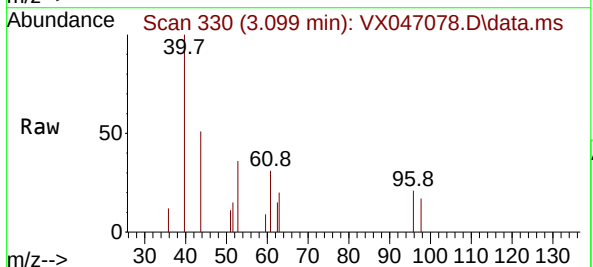
Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

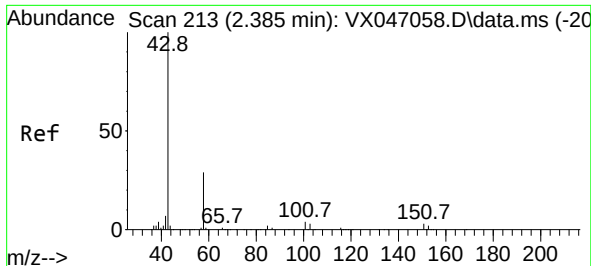
Tgt Ion: 56 Resp: 414
Ion Ratio Lower Upper
56 100
55 71.5 55.7 83.5



#15
Acrylonitrile
Concen: 0.453 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.025 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 53 Resp: 709
Ion Ratio Lower Upper
53 100
52 71.7 65.7 98.5
51 46.0 28.8 43.2#

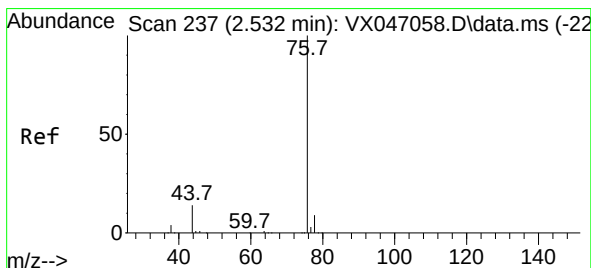
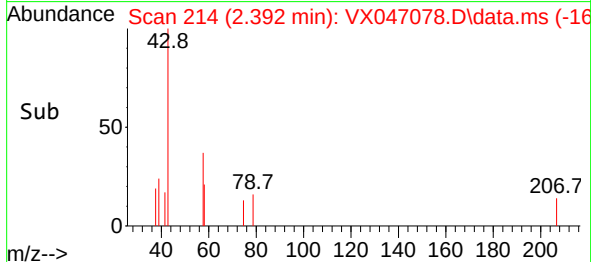
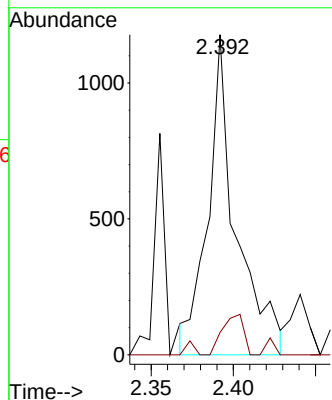
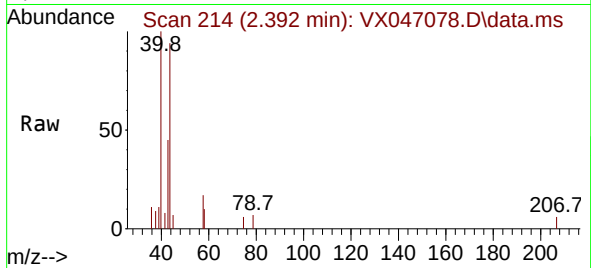




#16
Acetone
Concen: 1.052 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

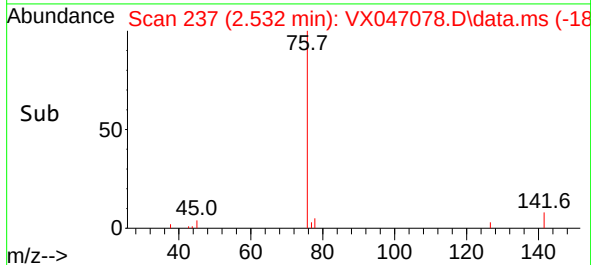
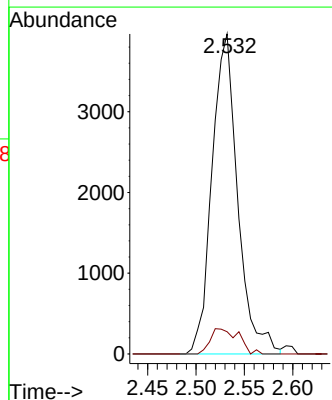
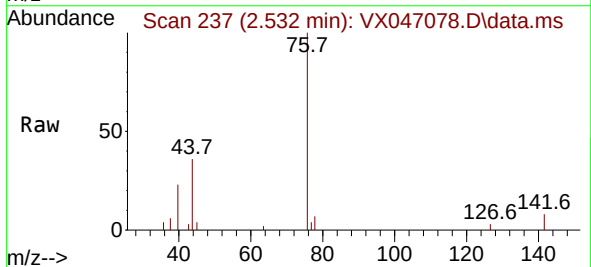
Instrument :
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ClientSampleId :
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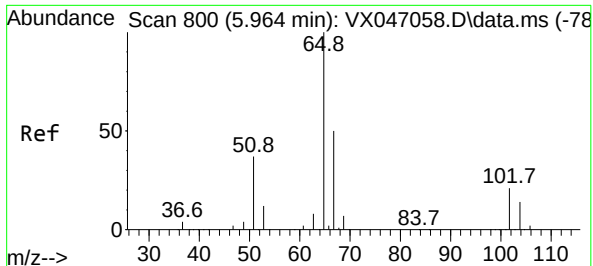
Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
58 7.5 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.766 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 76 Resp: 7335
Ion Ratio Lower Upper
76 100
78 6.9 7.0 10.4#

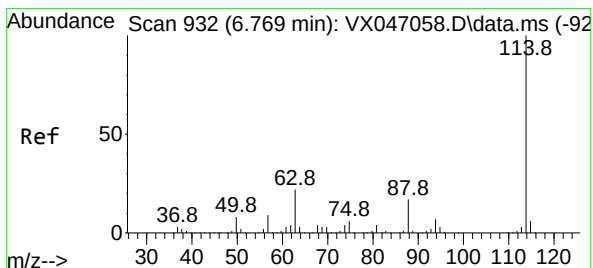
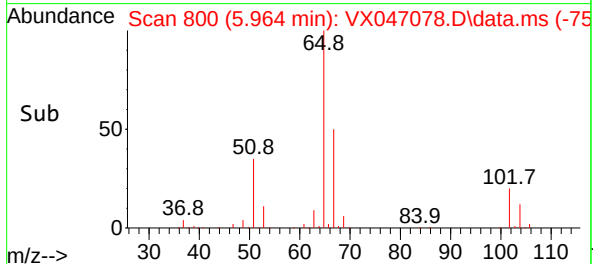
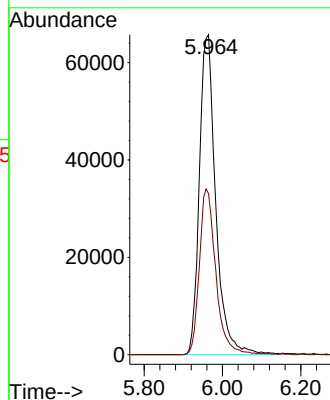
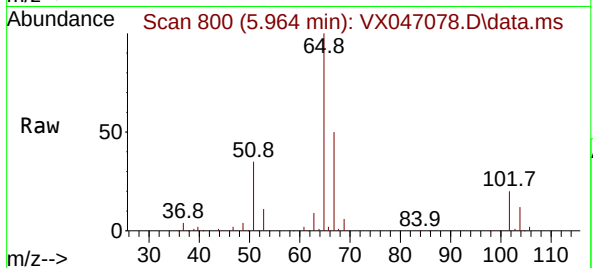




#33
 1,2-Dichloroethane-d4
 Concen: 58.388 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047078.D
 Acq: 23 Jul 2025 09:58

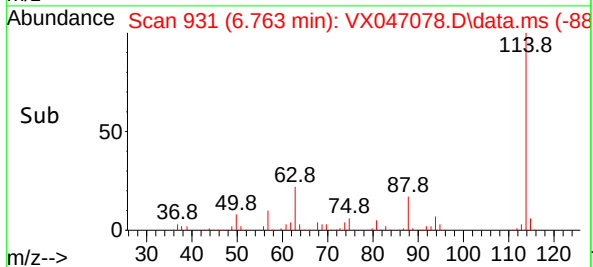
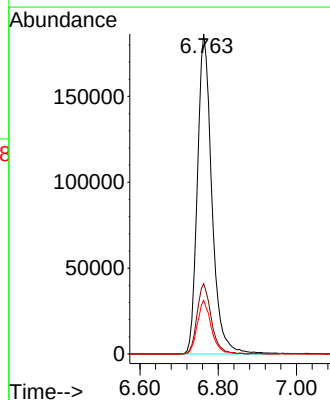
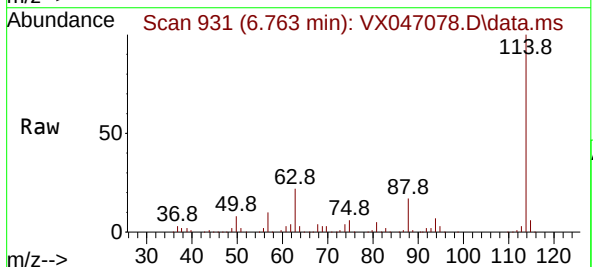
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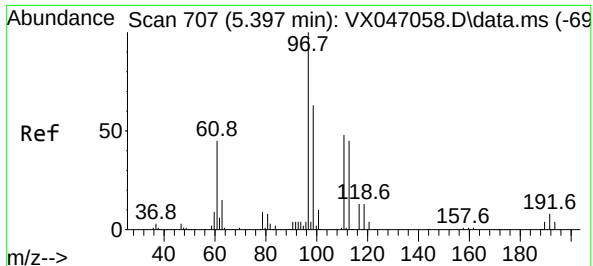
Tgt Ion: 65 Resp: 191586
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX047078.D
 Acq: 23 Jul 2025 09:58

Tgt Ion: 114 Resp: 478754
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.599 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047078.D

Acq: 23 Jul 2025 09:58

Instrument :

MSVOA_X

ClientSampleId :

VX0723MBL01

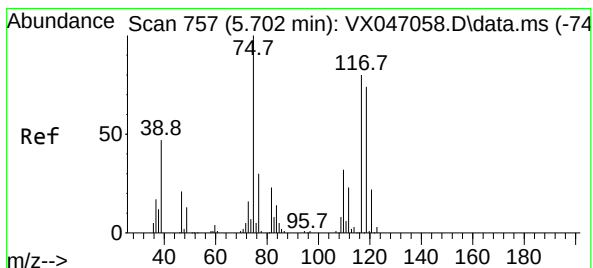
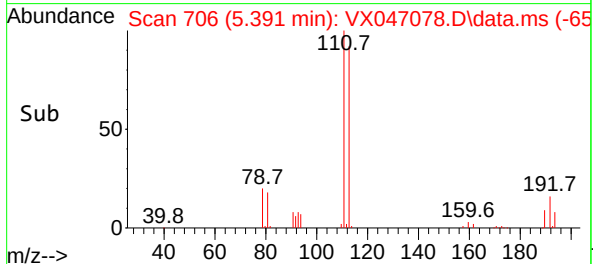
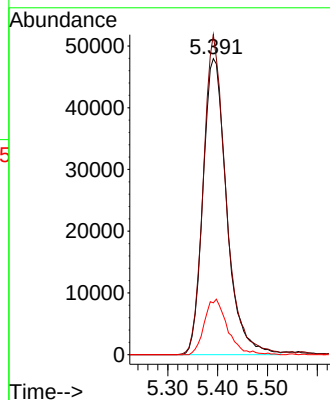
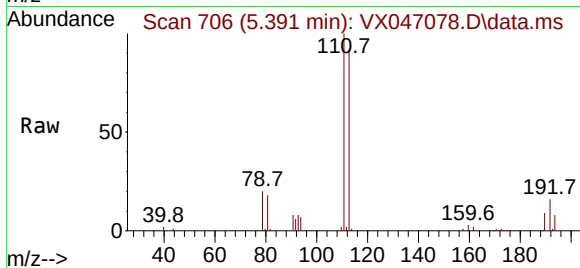
Tgt Ion:113 Resp: 158439

Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 18.3 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.363 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX047078.D

Acq: 23 Jul 2025 09:58

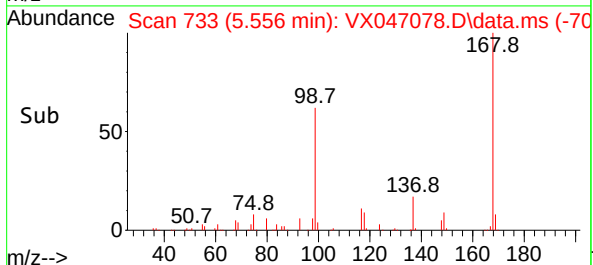
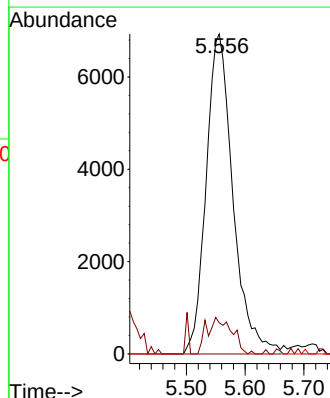
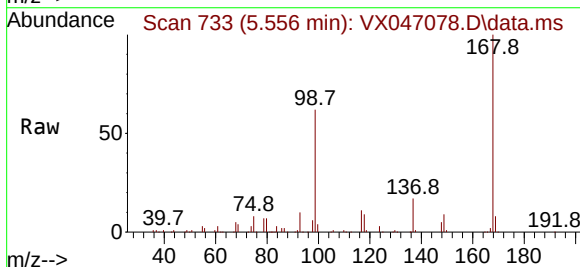
Tgt Ion: 75 Resp: 21982

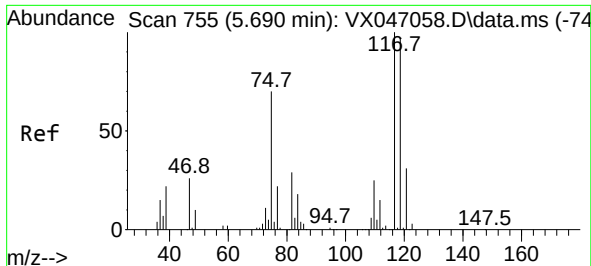
Ion Ratio Lower Upper

75 100

110 10.7 17.2 51.5#

77 0.0 25.1 37.7#

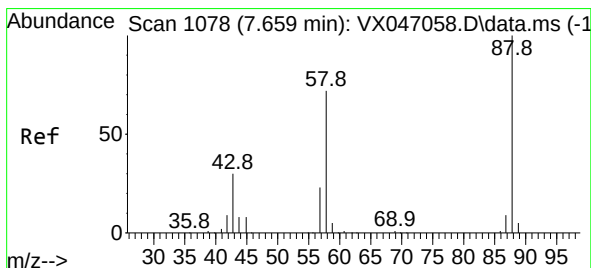
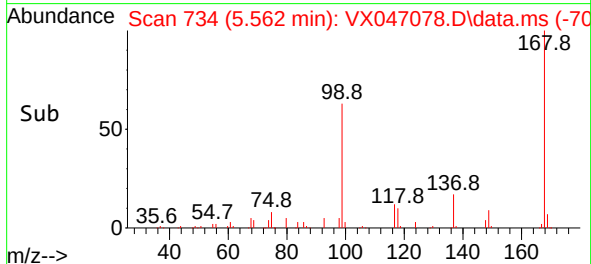
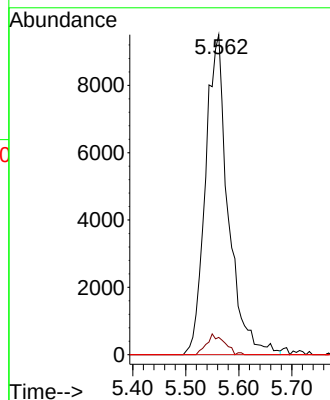
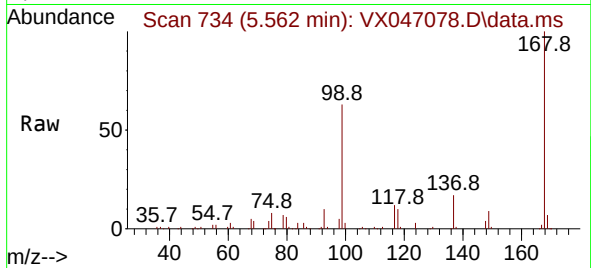




#38
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

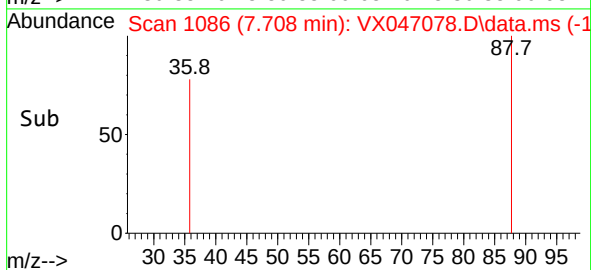
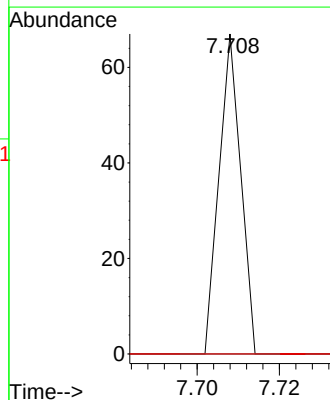
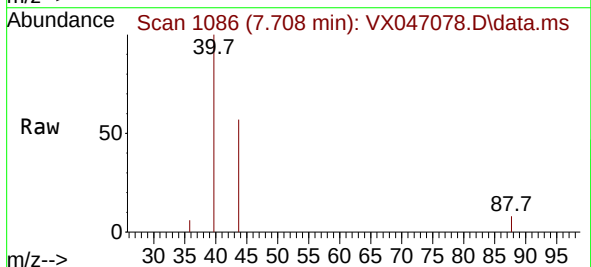
Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

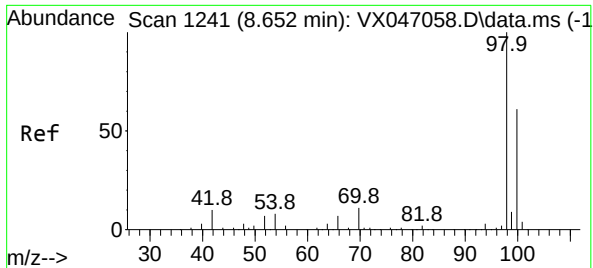
Tgt Ion:117 Resp: 28359
Ion Ratio Lower Upper
117 100
119 5.4 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.557 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.049 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 33.6 50.4#
58 0.0 58.8 88.2#

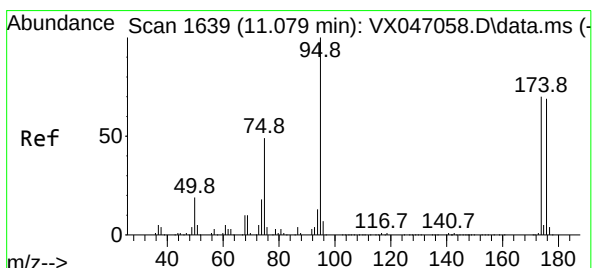
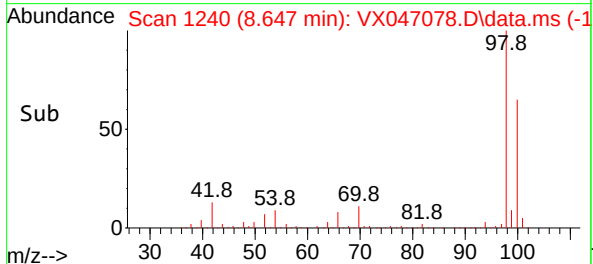
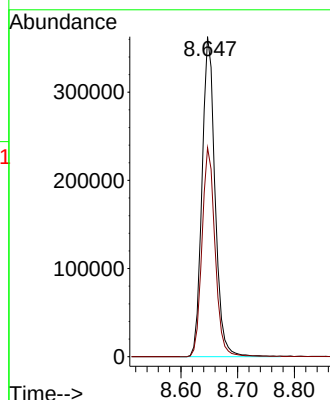
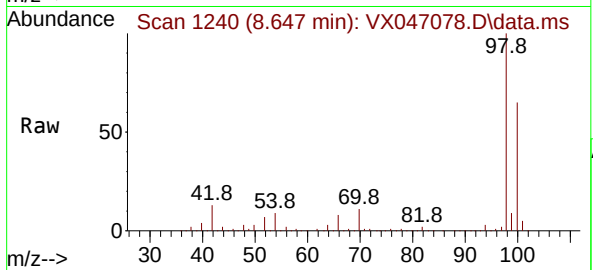




#50
Toluene-d8
Concen: 60.523 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

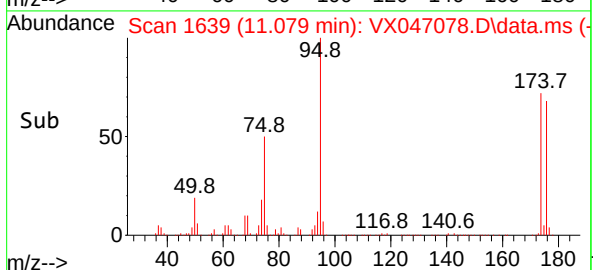
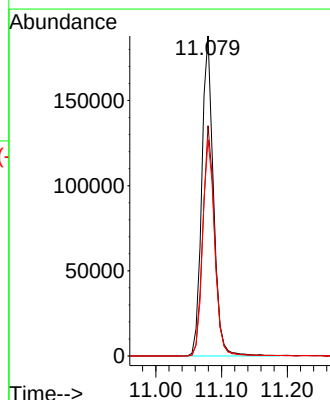
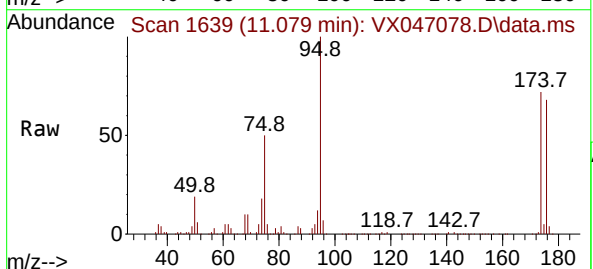
Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

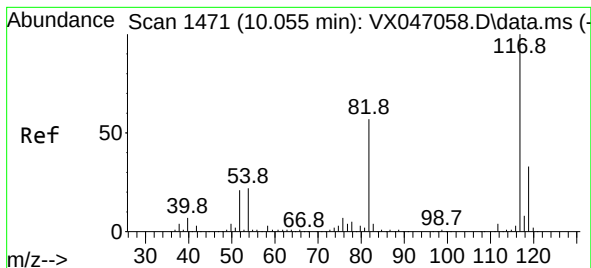
Tgt Ion: 98 Resp: 579378
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.329 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 95 Resp: 232378
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.6
176 69.6 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX047078.D

Acq: 23 Jul 2025 09:58

Instrument :

MSVOA_X

ClientSampleId :

VX0723MBL01

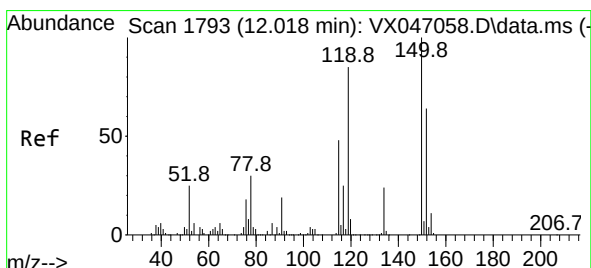
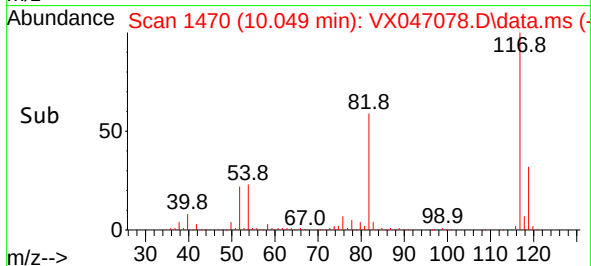
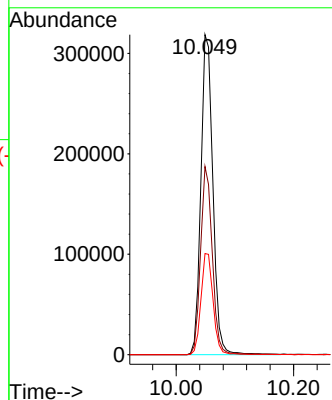
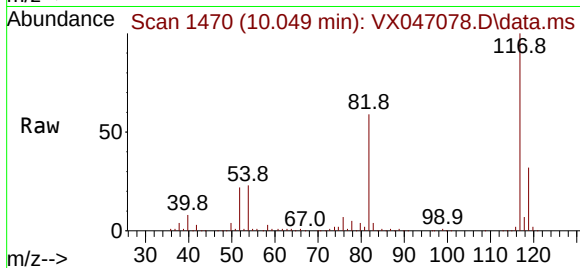
Tgt Ion:117 Resp: 452406

Ion Ratio Lower Upper

117 100

82 58.8 45.4 68.2

119 31.6 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047078.D

Acq: 23 Jul 2025 09:58

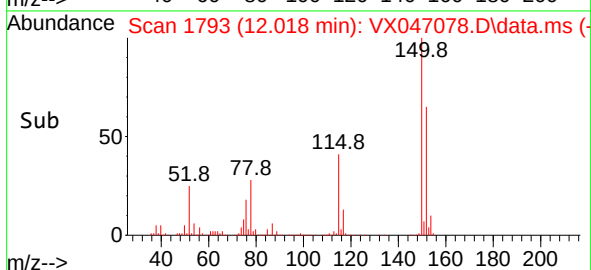
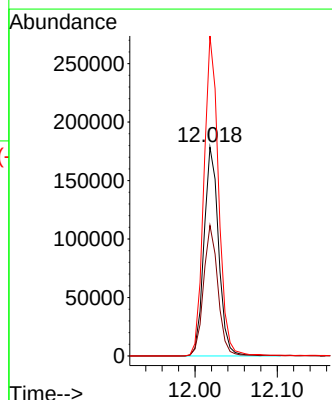
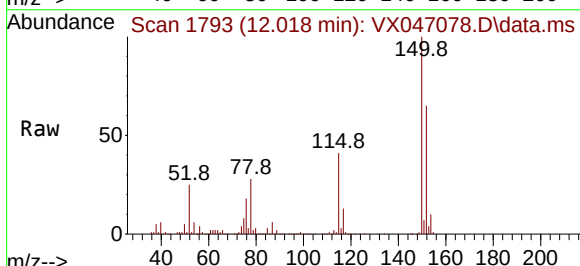
Tgt Ion:152 Resp: 220696

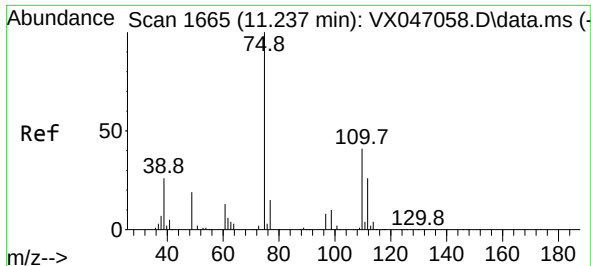
Ion Ratio Lower Upper

152 100

115 61.5 45.6 136.7

150 154.1 0.0 354.6

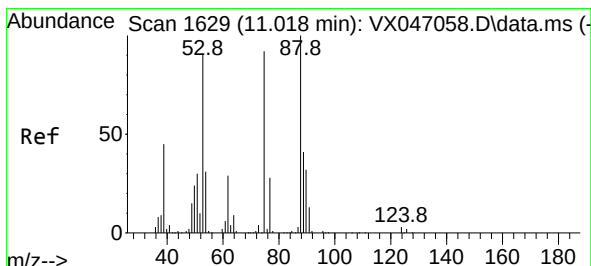
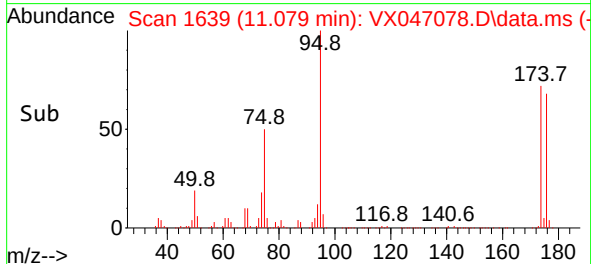
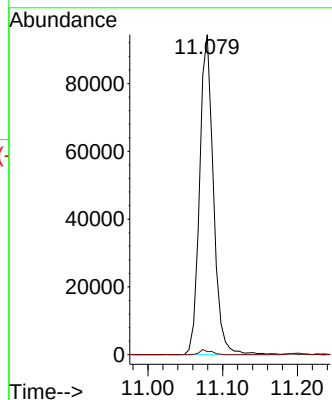
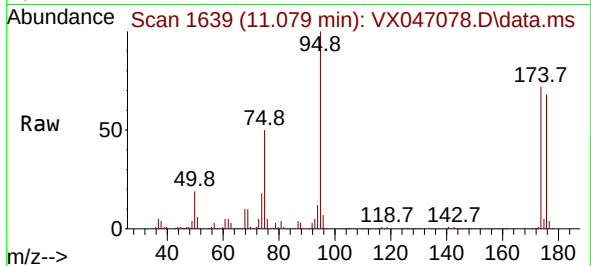




#76
1,2,3-Trichloropropane
Concen: 29.691 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

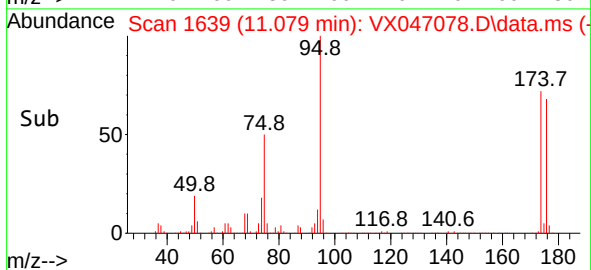
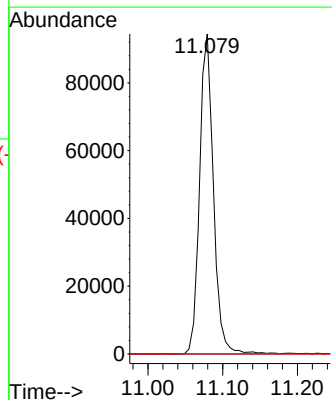
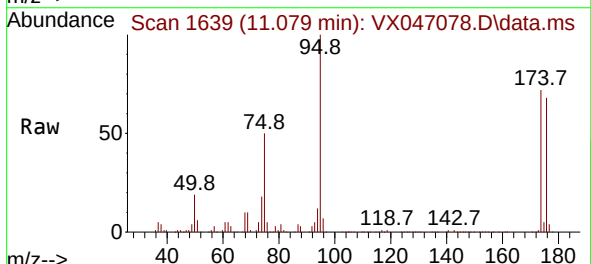
Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

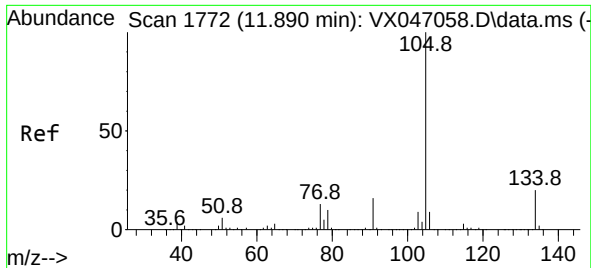
Tgt Ion: 75 Resp: 121286
Ion Ratio Lower Upper
75 100
77 1.3 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.495 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 75 Resp: 121286
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

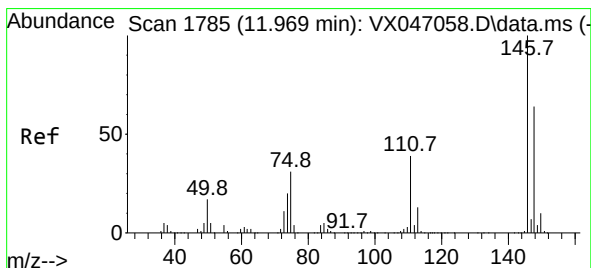
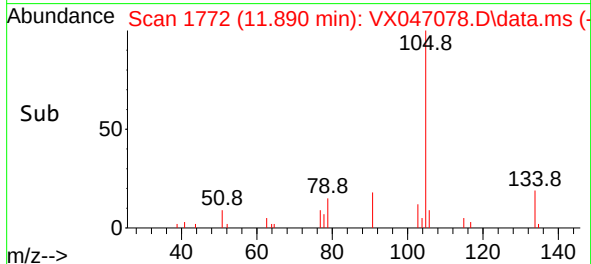
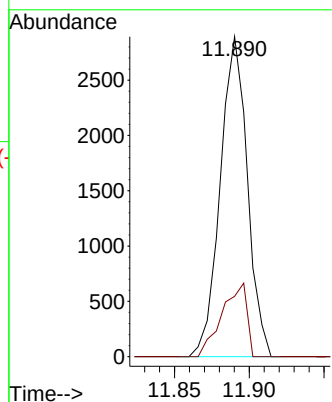
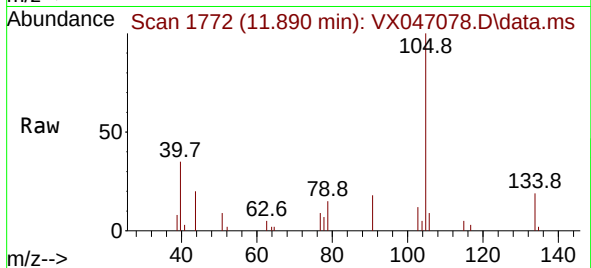




#85
 sec-Butylbenzene
 Concen: 0.202 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX047078.D
 Acq: 23 Jul 2025 09:58

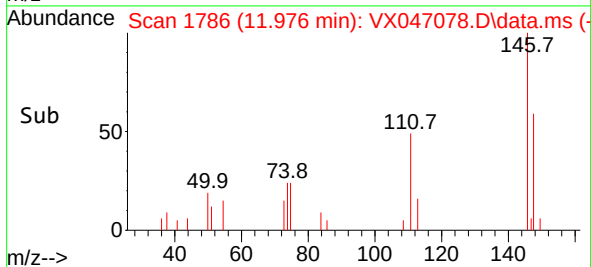
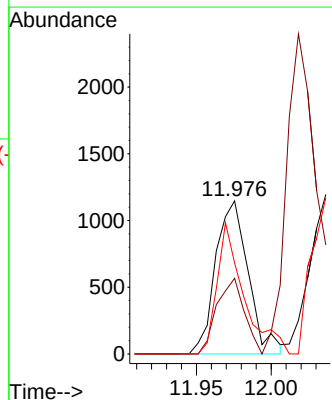
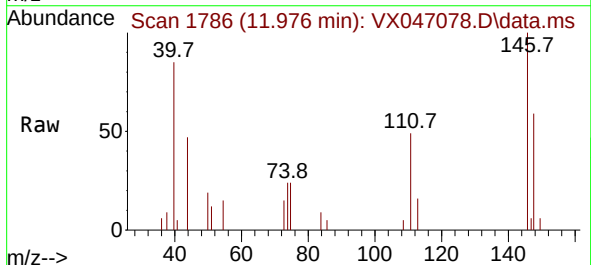
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723MBL01

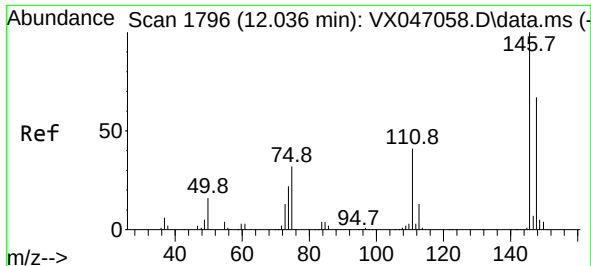
Tgt Ion:105 Resp: 3647
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.9 29.7



#87
 1,3-Dichlorobenzene
 Concen: 0.220 ug/l
 RT: 11.976 min Scan# 1786
 Delta R.T. 0.007 min
 Lab File: VX047078.D
 Acq: 23 Jul 2025 09:58

Tgt Ion:146 Resp: 1746
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.0 63.0
 148 70.3 32.0 96.0

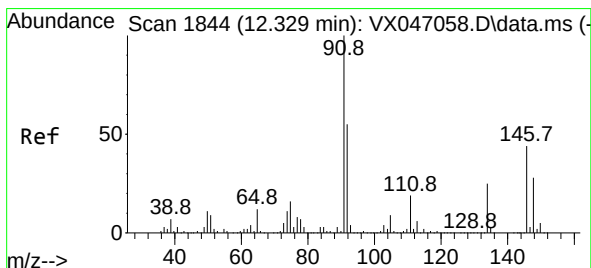
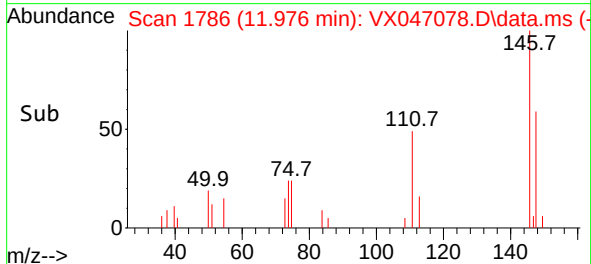
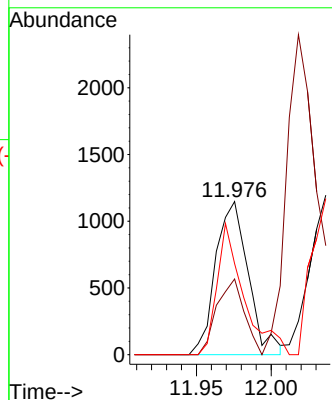
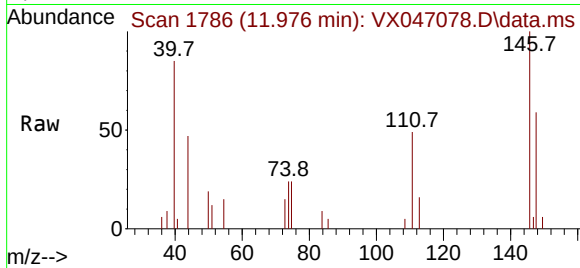




#88
1,4-Dichlorobenzene
Concen: 0.217 ug/l
RT: 11.976 min Scan# 1796
Delta R.T. -0.061 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

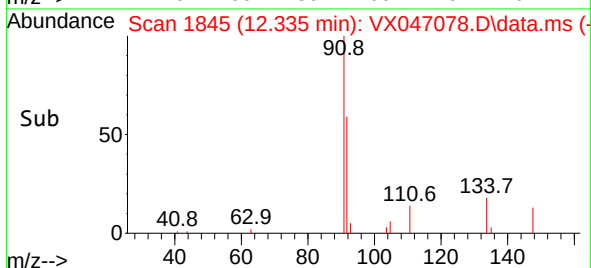
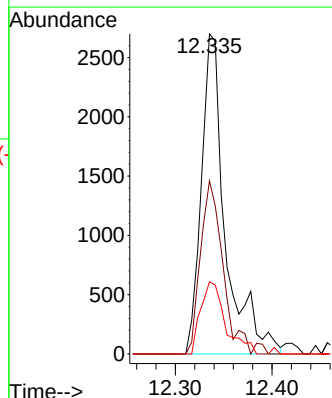
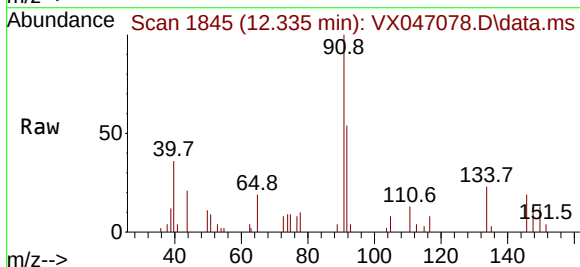
Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

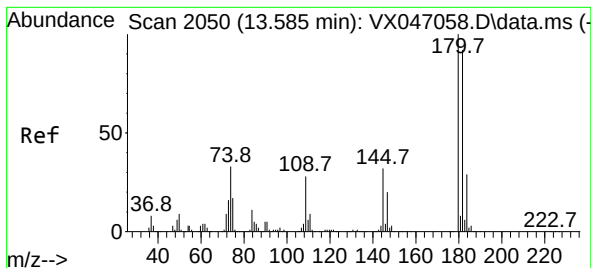
Tgt Ion:146 Resp: 1746
Ion Ratio Lower Upper
146 100
111 41.4 20.6 61.9
148 70.3 33.0 98.9



#89
n-Butylbenzene
Concen: 0.333 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.007 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion: 91 Resp: 4670
Ion Ratio Lower Upper
91 100
92 51.2 27.5 82.5
134 23.2 12.8 38.3





#93

1,2,4-Trichlorobenzene

Concen: 0.586 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.007 min

Lab File: VX047078.D

Acq: 23 Jul 2025 09:58

Instrument :

MSVOA_X

ClientSampleId :

VX0723MBL01

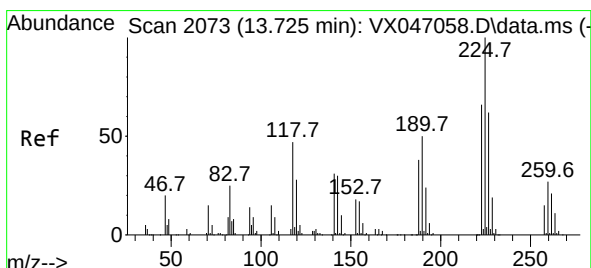
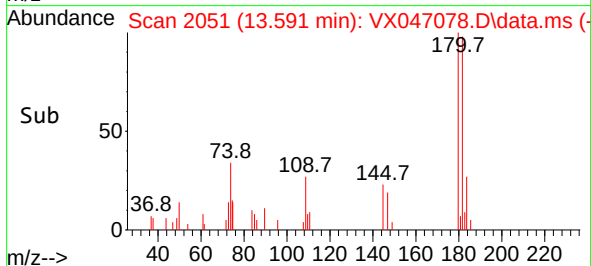
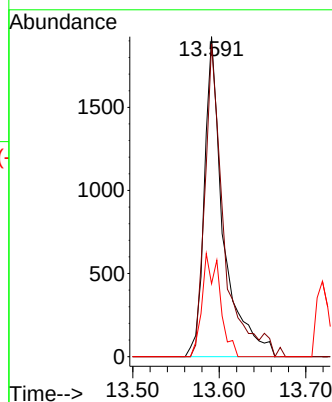
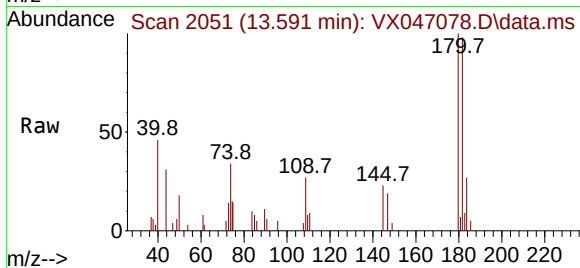
Tgt Ion:180 Resp: 2937

Ion Ratio Lower Upper

180 100

182 97.5 47.3 141.8

145 30.0 16.4 49.1



#94

Hexachlorobutadiene

Concen: 2.381 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX047078.D

Acq: 23 Jul 2025 09:58

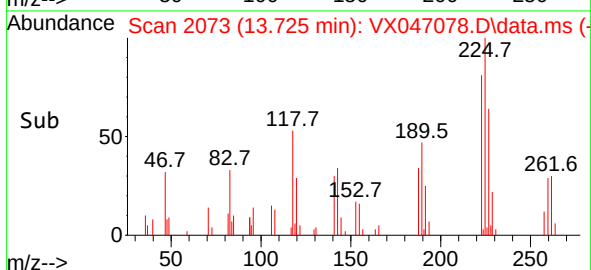
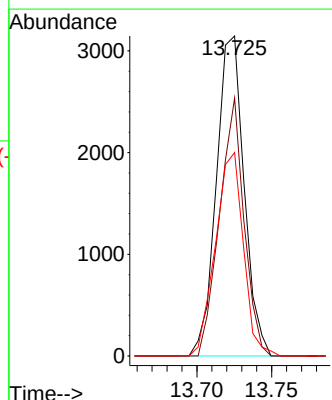
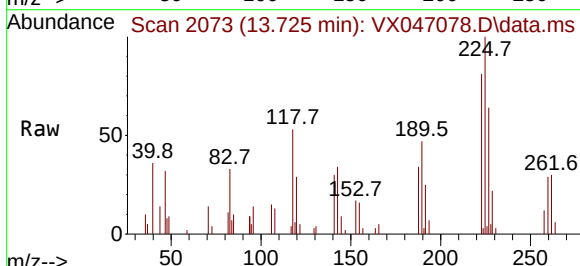
Tgt Ion:225 Resp: 4058

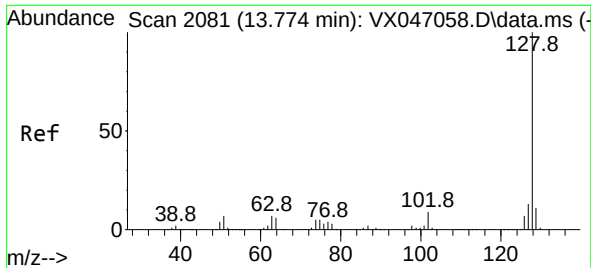
Ion Ratio Lower Upper

225 100

223 71.3 31.6 95.0

227 64.0 32.9 98.6

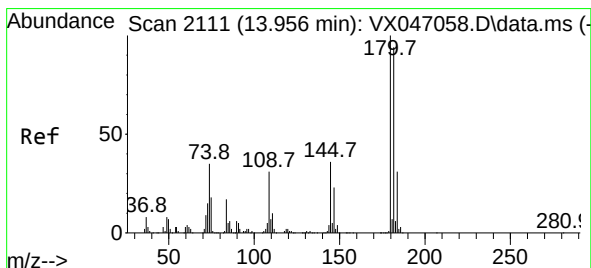
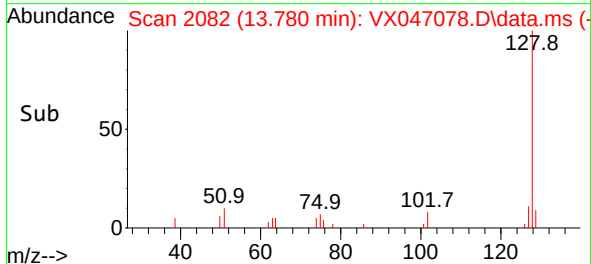
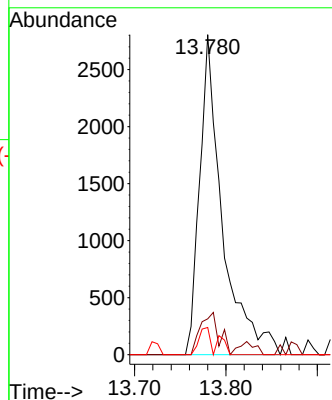
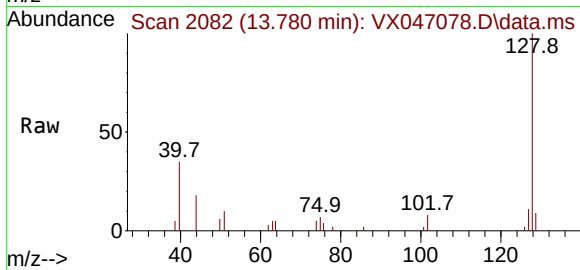




#95
Naphthalene
Concen: 0.330 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.007 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Instrument :
MSVOA_X
ClientSampleId :
VX0723MBL01

Tgt Ion:128 Resp: 4848
Ion Ratio Lower Upper
128 100
127 11.2 10.1 15.1
129 4.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.471 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.007 min
Lab File: VX047078.D
Acq: 23 Jul 2025 09:58

Tgt Ion:180 Resp: 2276
Ion Ratio Lower Upper
180 100
182 108.7 46.9 140.6
145 39.5 17.3 52.0

