

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073125\
 Data File : VX047191.D
 Acq On : 31 Jul 2025 10:19
 Operator : JC/MD
 Sample : VX0731MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBL01

Quant Time: Aug 01 01:46:02 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)

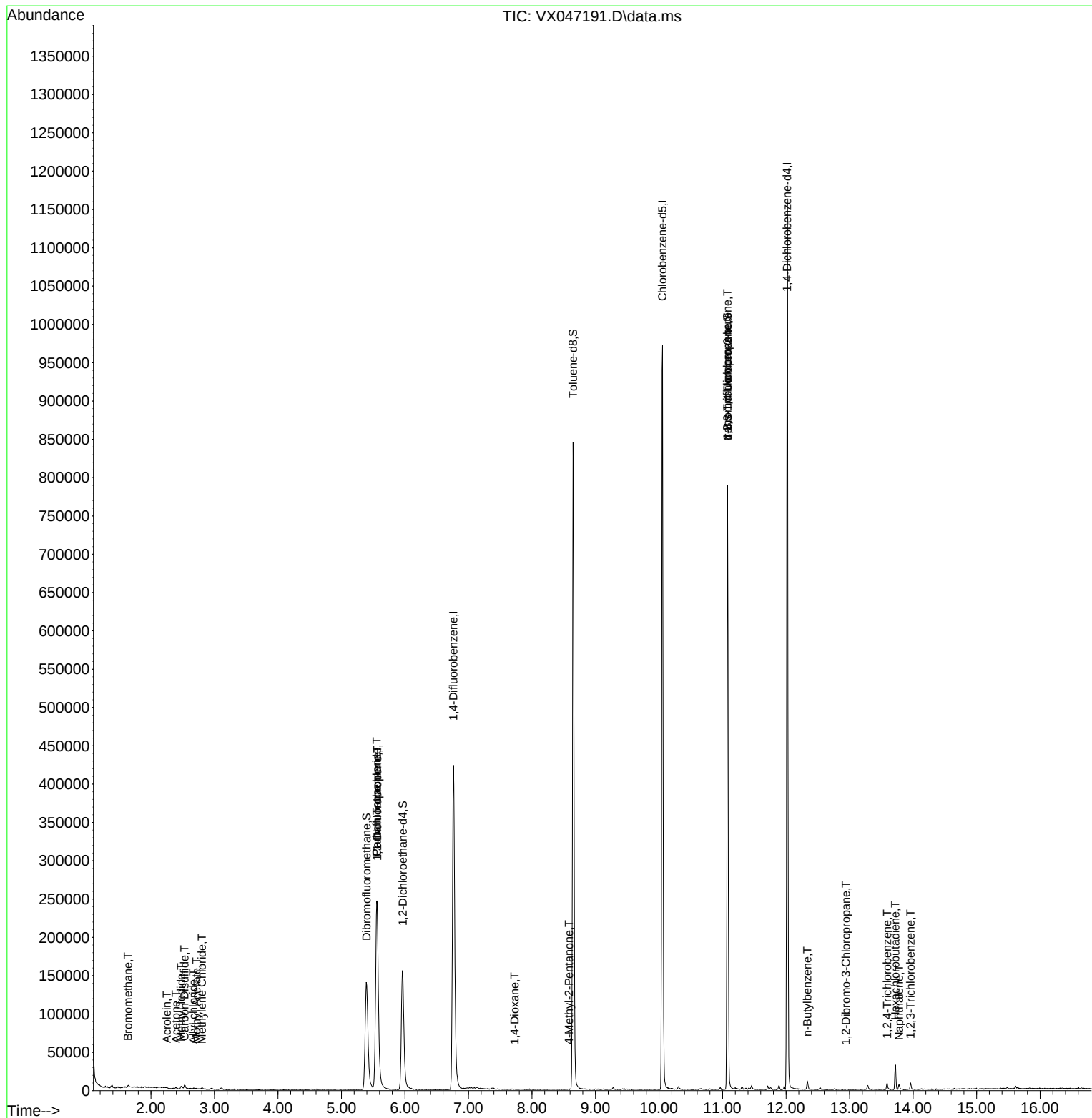
Internal Standards						
1) Pentafluorobenzene	5.556	168	243708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	454704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	438363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	233519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	165900	54.647	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.300%	
35) Dibromofluoromethane	5.397	113	136162	48.500	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.000%	
50) Toluene-d8	8.647	98	503680	55.398	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 110.800%	
62) 4-Bromofluorobenzene	11.079	95	212310	54.186	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.380%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	1358	0.726	ug/l	87
10) Methyl Iodide	2.477	142	5067	1.608	ug/l	96
11) Tert butyl alcohol	2.965	59	109	Below Cal	#	72
13) Acrolein	2.251	56	294	0.450	ug/l #	18
14) Allyl chloride	2.666	41	1305	0.236	ug/l #	57
16) Acetone	2.392	43	3051	2.509	ug/l #	79
17) Carbon Disulfide	2.526	76	5719	0.645	ug/l	97
18) Methyl Acetate	2.715	43	918	0.284	ug/l #	54
20) Methylene Chloride	2.800	84	857	0.256	ug/l	84
36) 1,1-Dichloropropene	5.562	75	20648	4.315	ug/l #	48
38) Carbon Tetrachloride	5.556	117	25259	4.945	ug/l #	16
49) 1,4-Dioxane	7.726	88	121	2.841	ug/l #	9
51) 4-Methyl-2-Pentanone	8.579	43	932	0.228	ug/l #	37
76) 1,2,3-Trichloropropane	11.079	75	111869	25.882	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	111869	66.682	ug/l #	8
89) n-Butylbenzene	12.335	91	4250	0.286	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	236	0.234	ug/l #	28
93) 1,2,4-Trichlorobenzene	13.591	180	2264	0.427	ug/l	91
94) Hexachlorobutadiene	13.719	225	4371	2.424	ug/l	98
95) Naphthalene	13.780	128	5079	0.327	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	2275	0.445	ug/l	100

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

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Quant Time: Aug 01 01:46:02 2025
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Quant Title : SW846 8260
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Response via : Initial Calibration

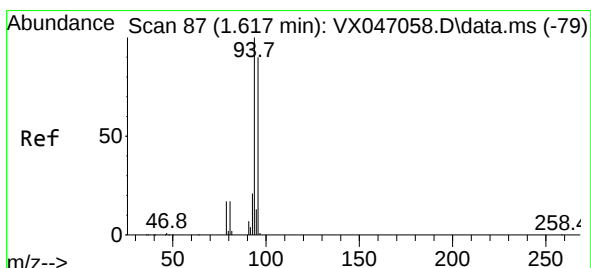
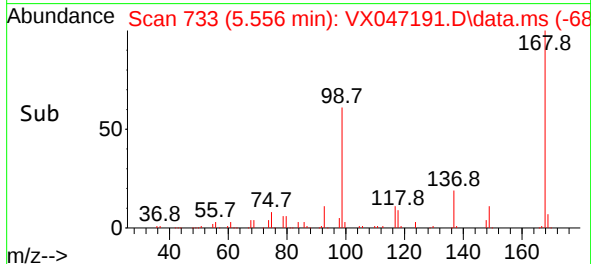
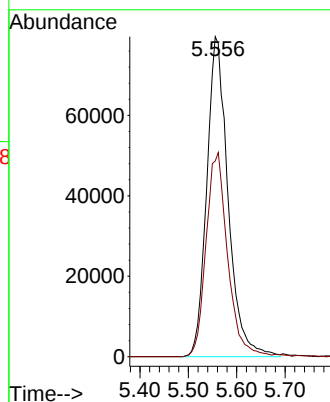
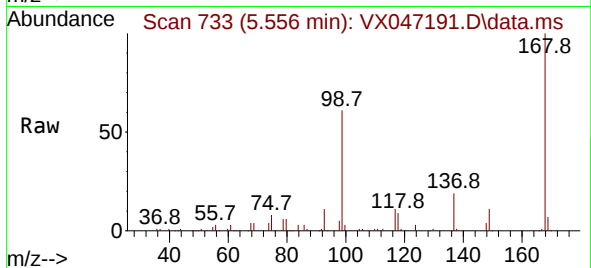




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

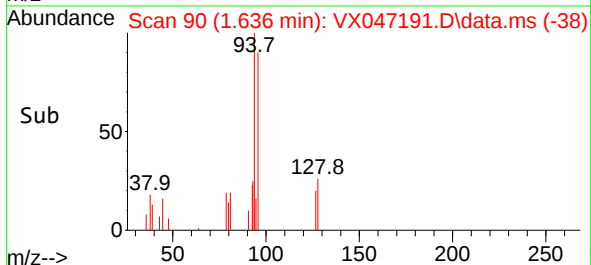
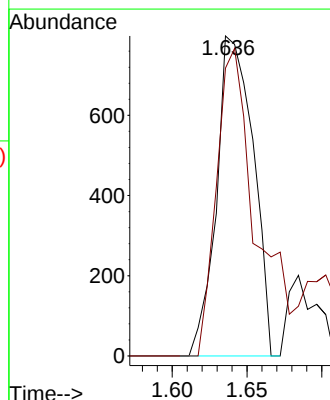
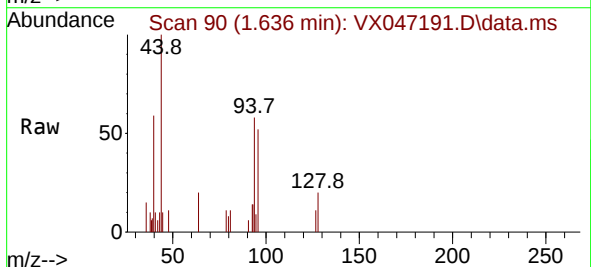
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

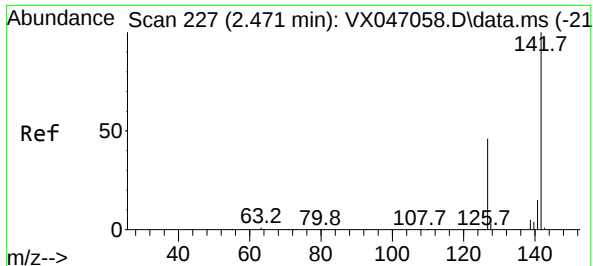
Tgt Ion:168 Resp: 243708
Ion Ratio Lower Upper
168 100
99 61.1 48.0 72.0



#5
Bromomethane
Concen: 0.726 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

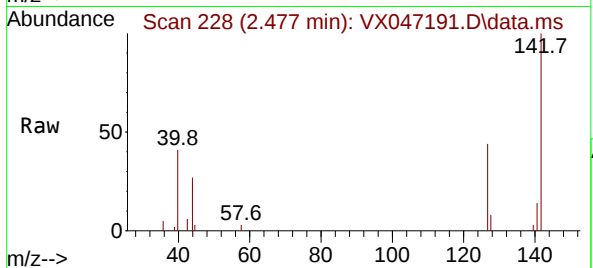
Tgt Ion: 94 Resp: 1358
Ion Ratio Lower Upper
94 100
96 77.8 72.3 108.5



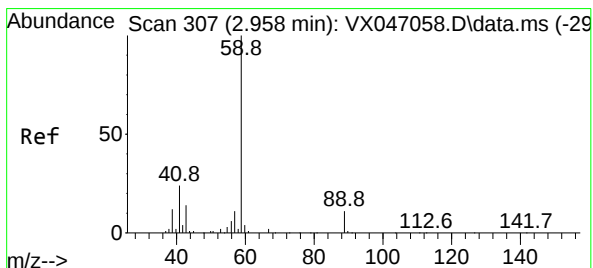
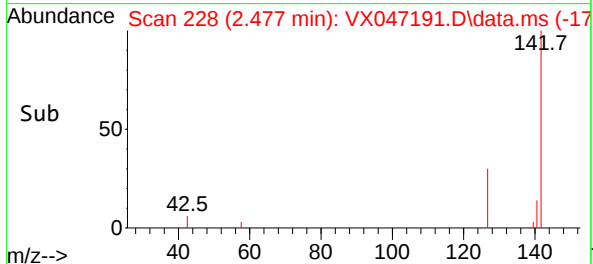
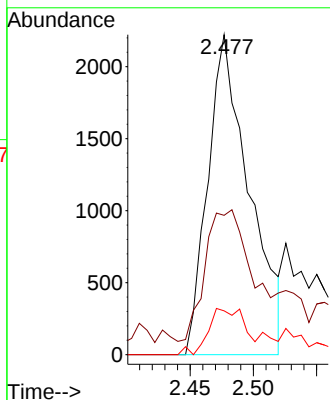


#10
Methyl Iodide
Concen: 1.608 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

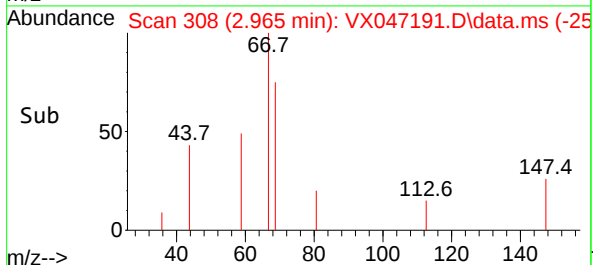
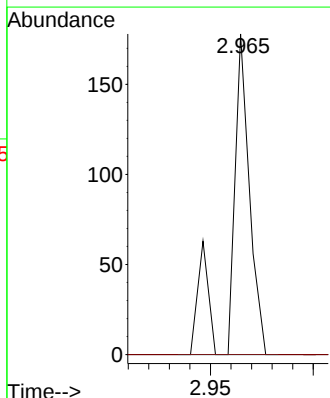
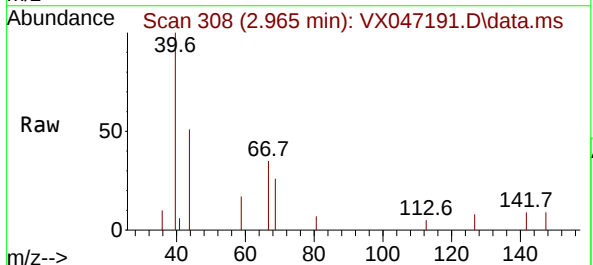


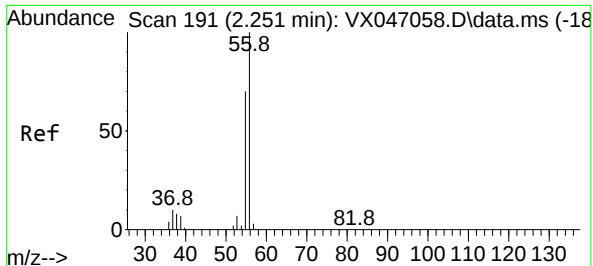
Tgt Ion:142 Resp: 5067
Ion Ratio Lower Upper
142 100
127 48.9 36.6 54.8
141 12.6 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.450 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.000 min

Lab File: VX047191.D

Acq: 31 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

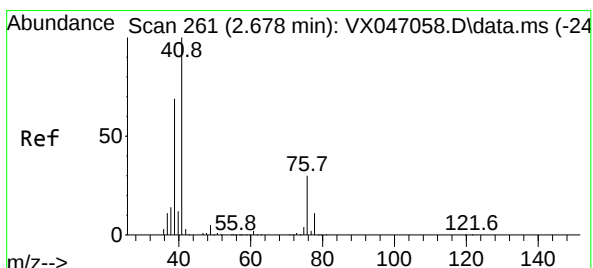
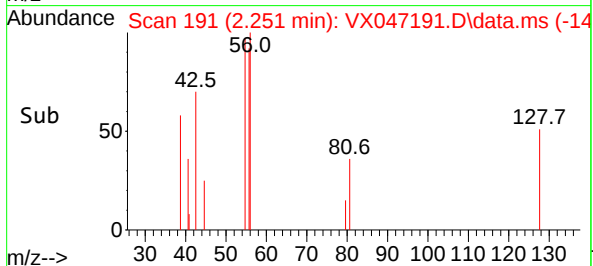
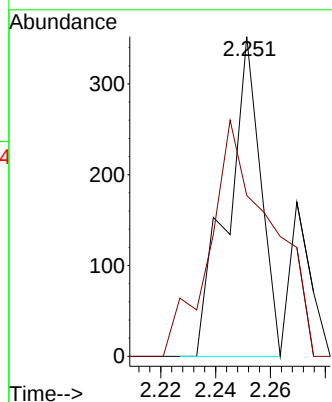
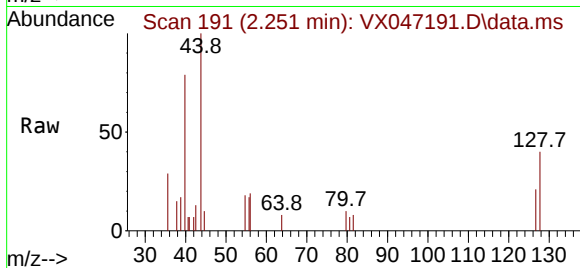
VX0731MBL01

Tgt Ion: 56 Resp: 294

Ion Ratio Lower Upper

56 100

55 136.4 55.7 83.5#



#14

Allyl chloride

Concen: 0.236 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.012 min

Lab File: VX047191.D

Acq: 31 Jul 2025 10:19

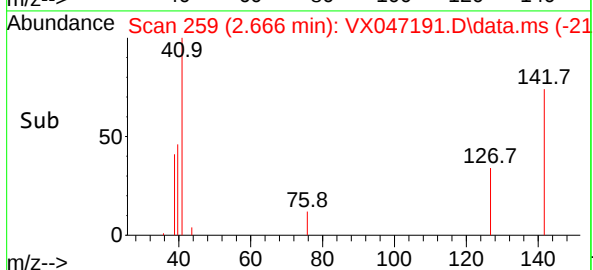
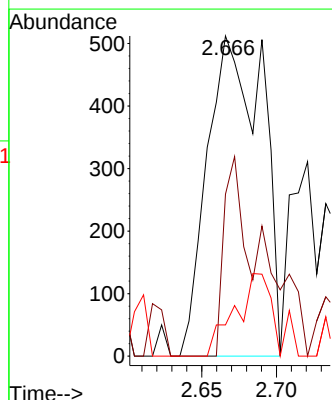
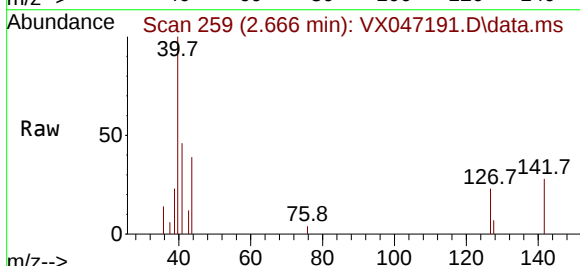
Tgt Ion: 41 Resp: 1305

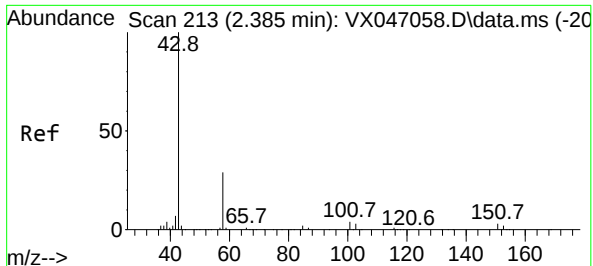
Ion Ratio Lower Upper

41 100

39 24.5 52.6 78.8#

76 18.6 25.7 38.5#

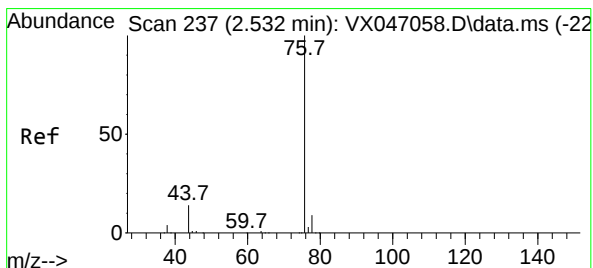
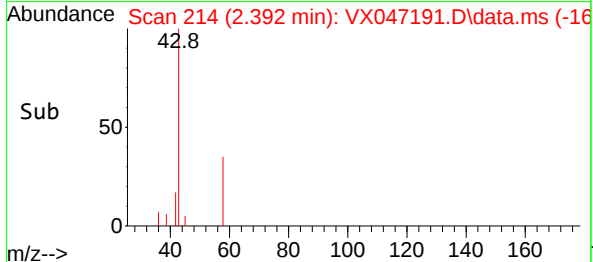
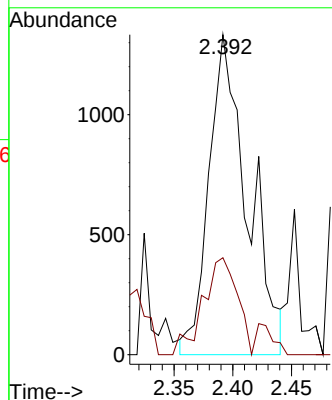
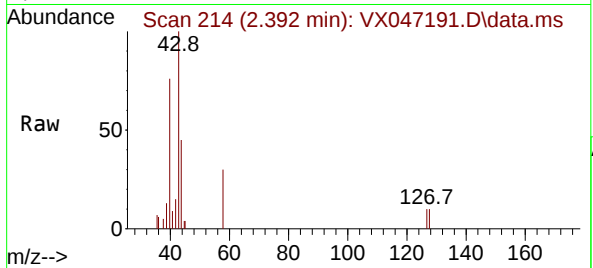




#16
Acetone
Concen: 2.509 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

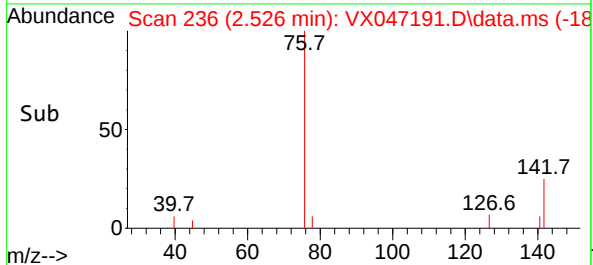
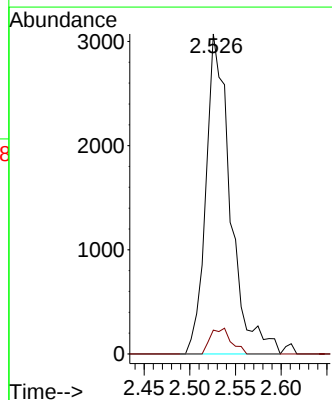
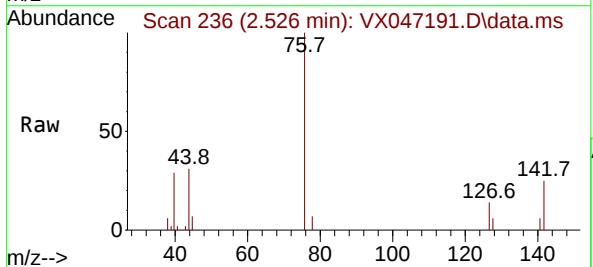
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

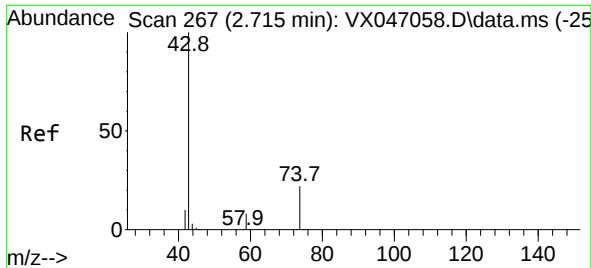
Tgt Ion: 43 Resp: 3051
Ion Ratio Lower Upper
43 100
58 18.9 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.645 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Tgt Ion: 76 Resp: 5719
Ion Ratio Lower Upper
76 100
78 7.5 7.0 10.4

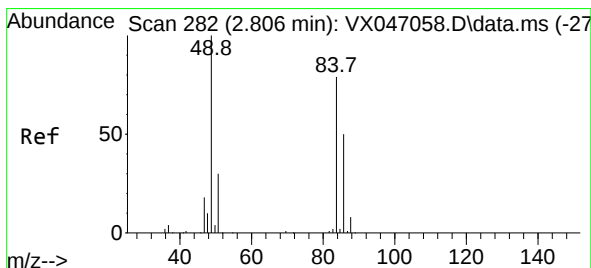
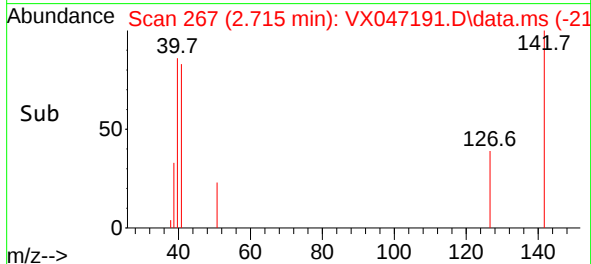
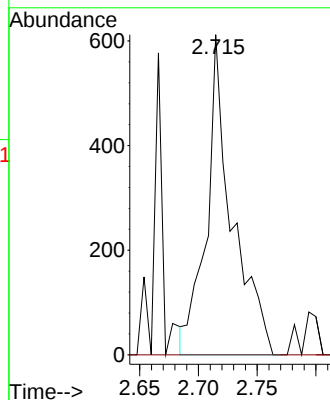
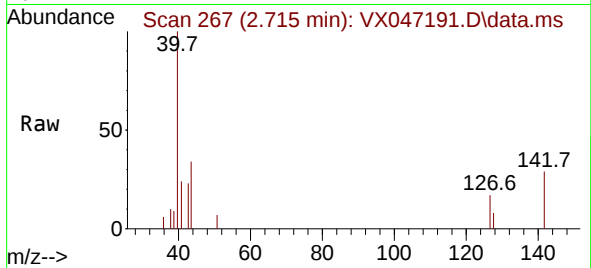




#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

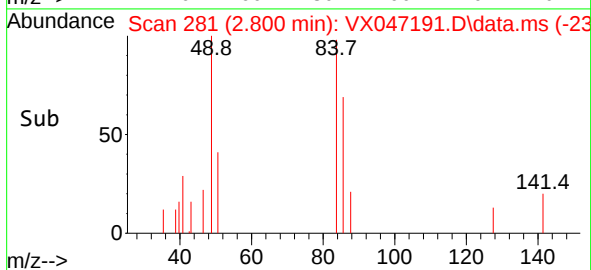
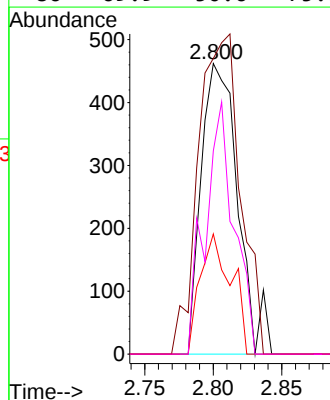
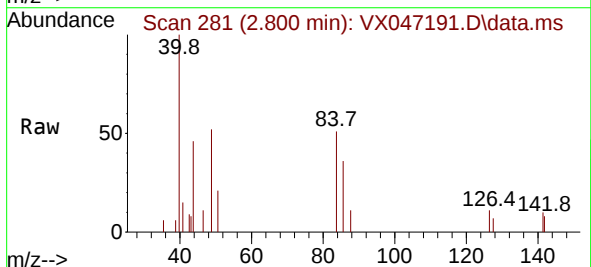
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MSVOA_X
ClientSampleId :
VX0731MBL01

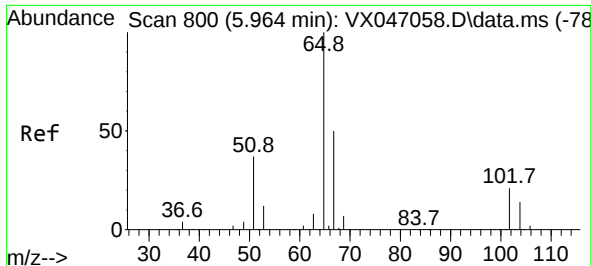
Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Tgt Ion: 84 Resp: 857
Ion Ratio Lower Upper
84 100
49 101.7 101.6 152.4
51 41.3 30.3 45.5
86 69.9 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 54.647 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047191.D

Acq: 31 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

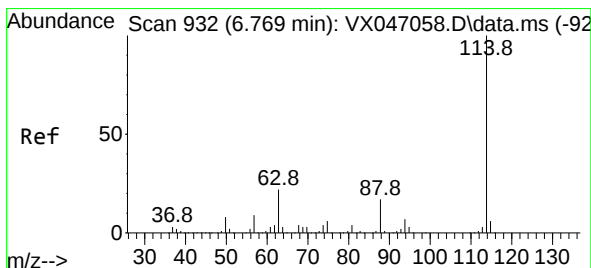
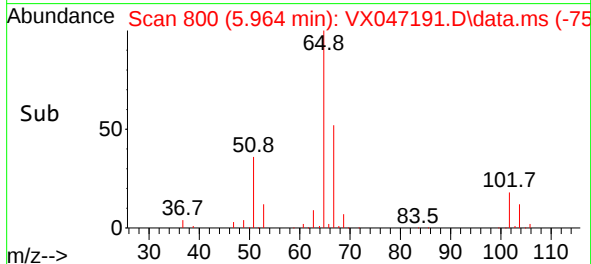
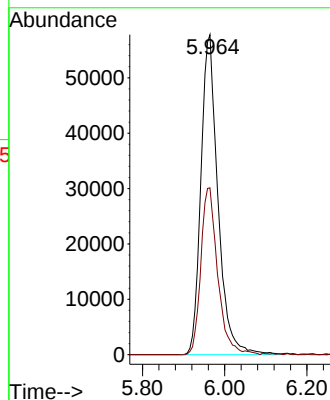
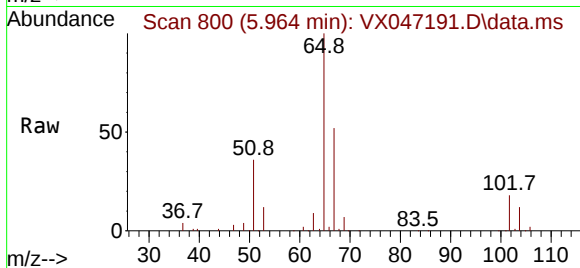
VX0731MBL01

Tgt Ion: 65 Resp: 165900

Ion Ratio Lower Upper

65 100

67 51.7 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: VX047191.D

Acq: 31 Jul 2025 10:19

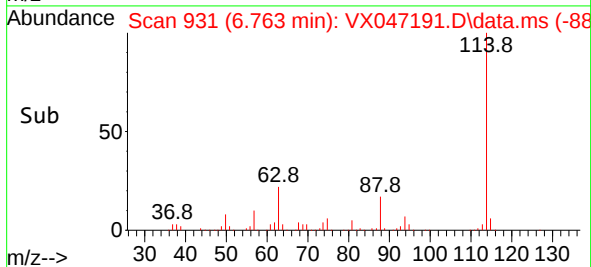
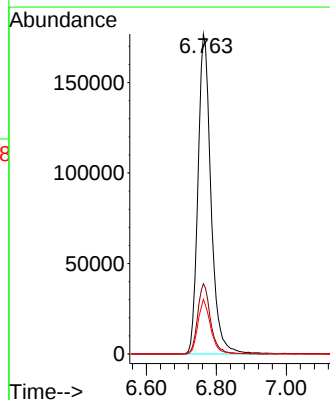
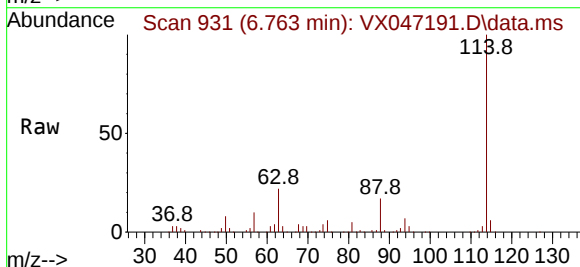
Tgt Ion: 114 Resp: 454704

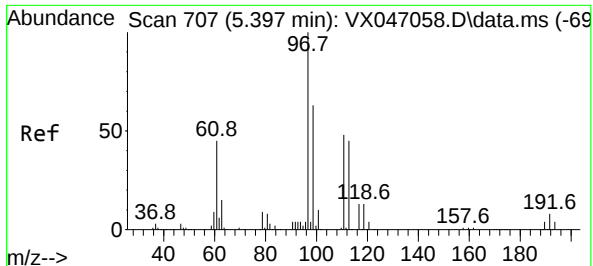
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.500 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047191.D

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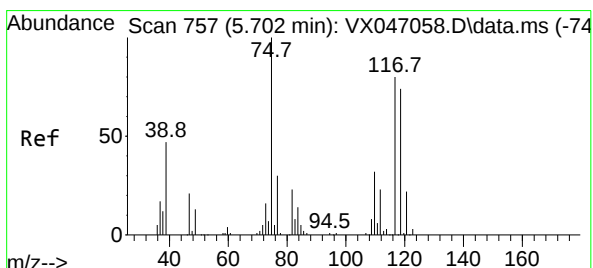
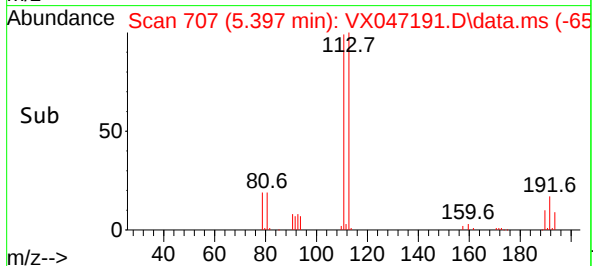
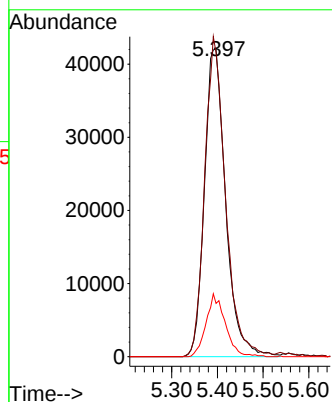
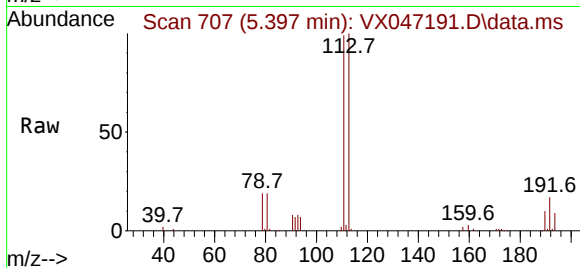
Tgt Ion:113 Resp: 136162

Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

192 18.5 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.315 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047191.D

Acq: 31 Jul 2025 10:19

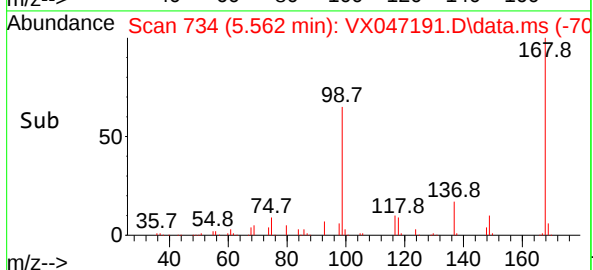
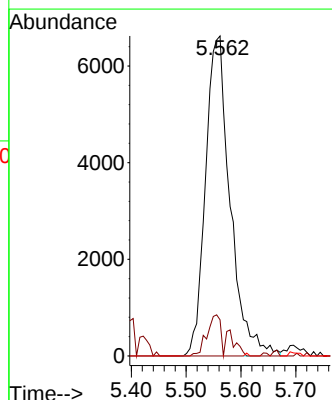
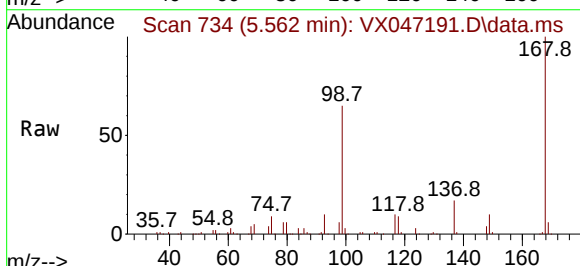
Tgt Ion: 75 Resp: 20648

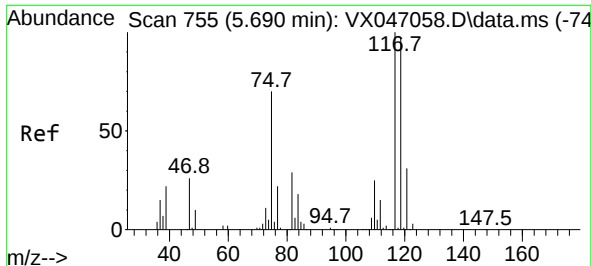
Ion Ratio Lower Upper

75 100

110 7.0 17.2 51.5#

77 0.0 25.1 37.7#

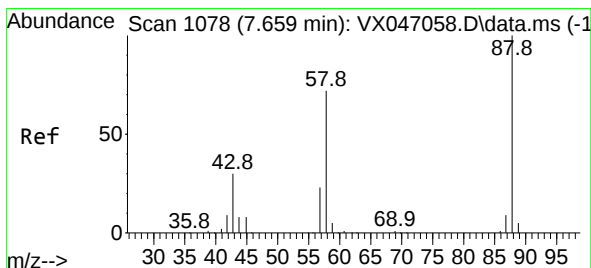
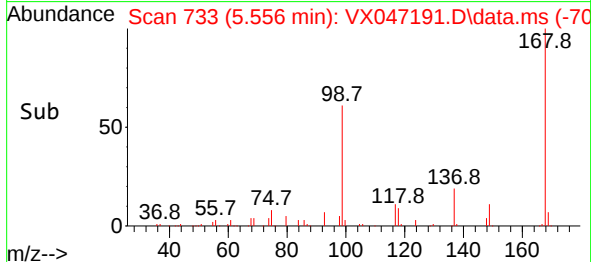
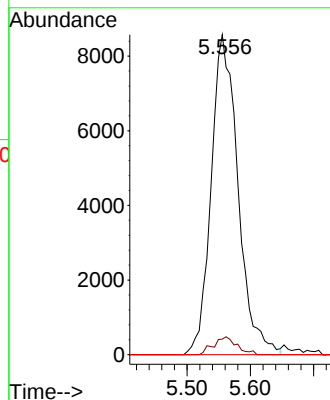
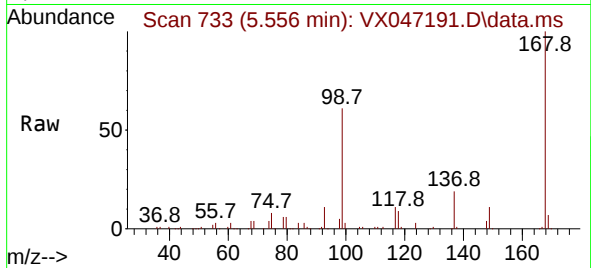




#38
Carbon Tetrachloride
Concen: 4.945 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

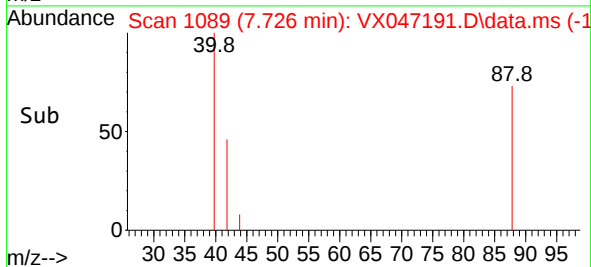
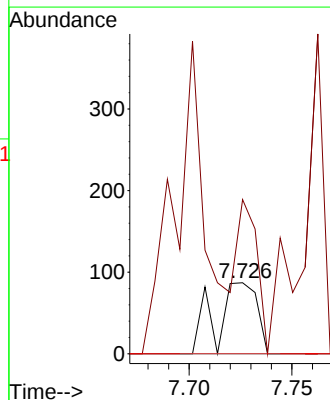
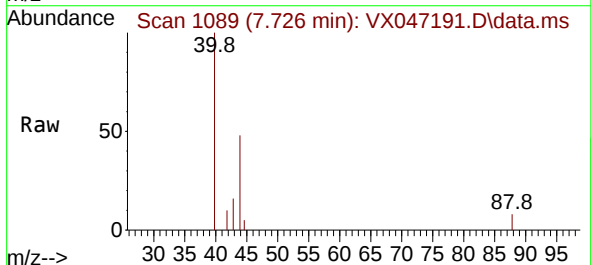
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

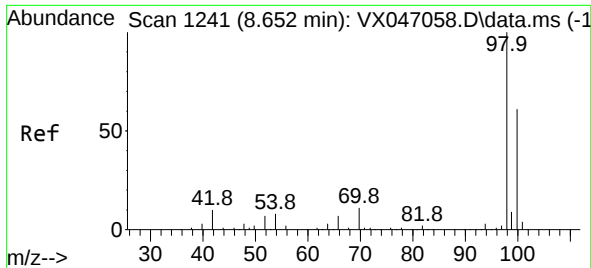
Tgt Ion:117 Resp: 25259
Ion Ratio Lower Upper
117 100
119 4.9 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 2.841 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.067 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 103.3 33.6 50.4#
58 0.0 58.8 88.2#

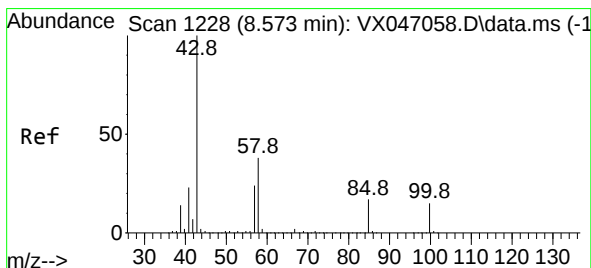
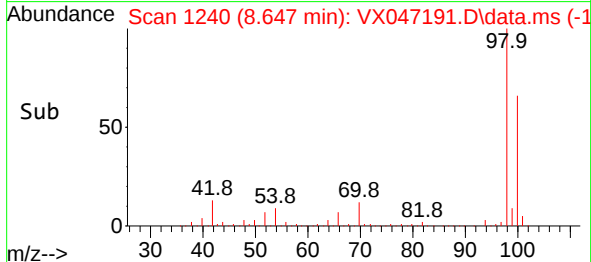
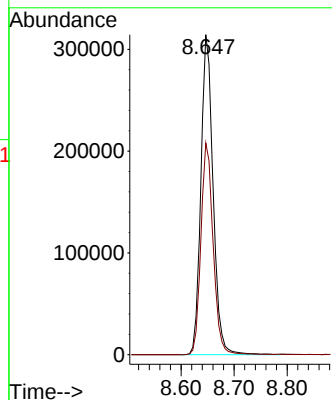
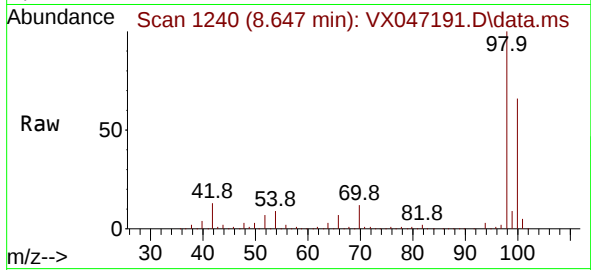




#50
Toluene-d8
Concen: 55.398 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

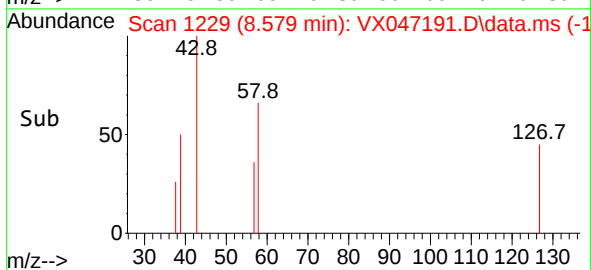
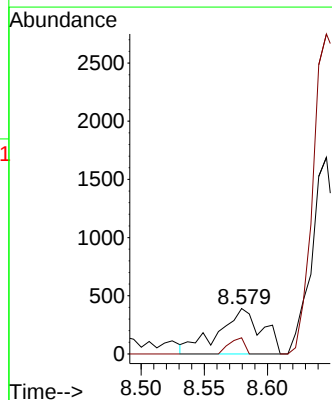
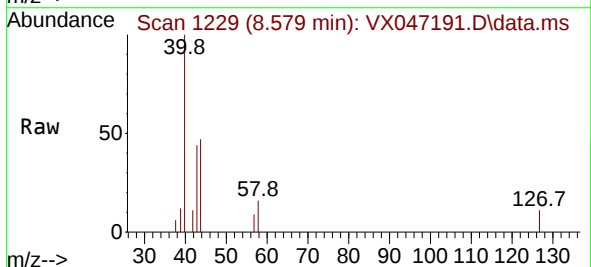
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

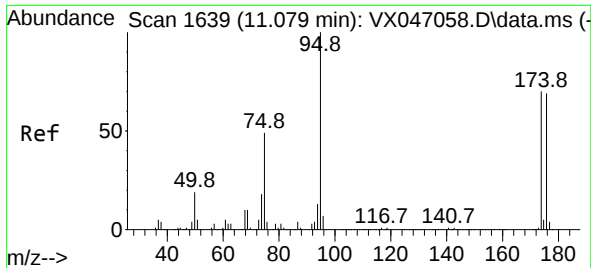
Tgt Ion: 98 Resp: 503680
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 0.228 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
58 0.0 30.6 45.8#

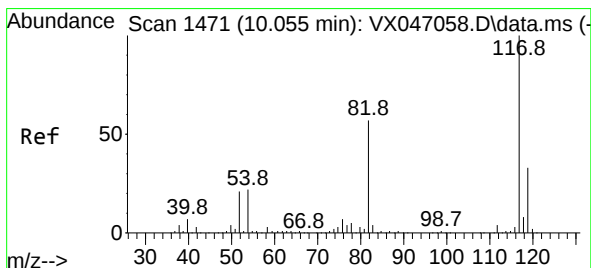
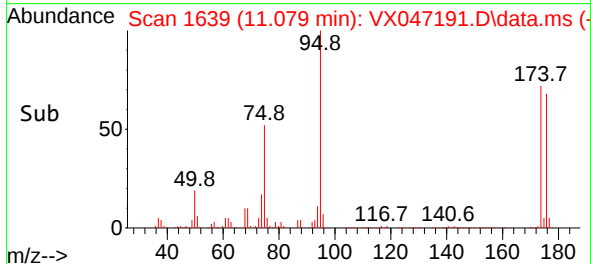
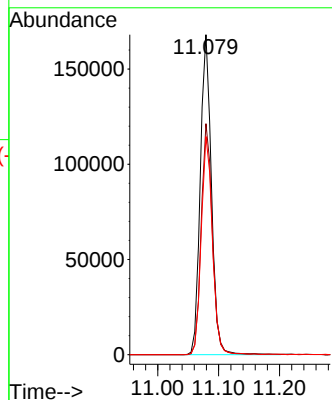
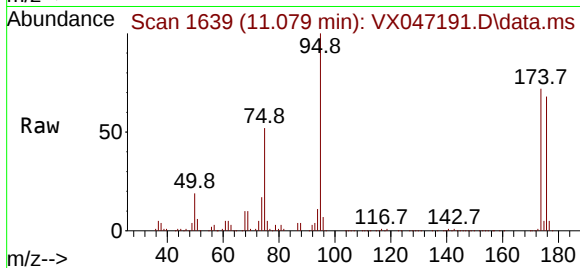




#62
4-Bromofluorobenzene
Concen: 54.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

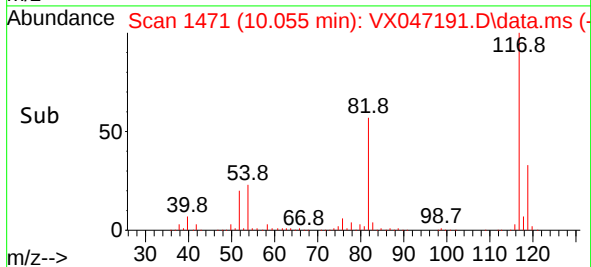
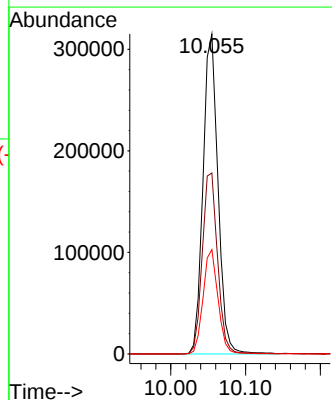
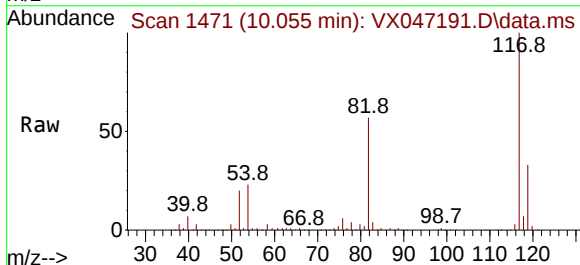
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

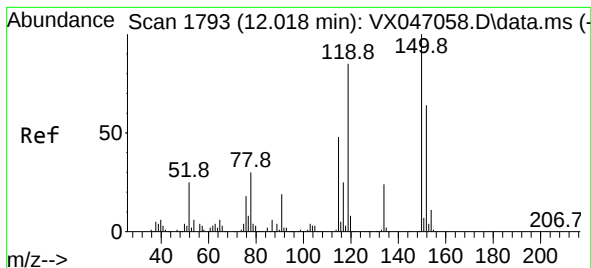
Tgt Ion: 95 Resp: 212310
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.6
176 68.8 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Tgt Ion: 117 Resp: 438363
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.2
119 32.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047191.D

Acq: 31 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBL01

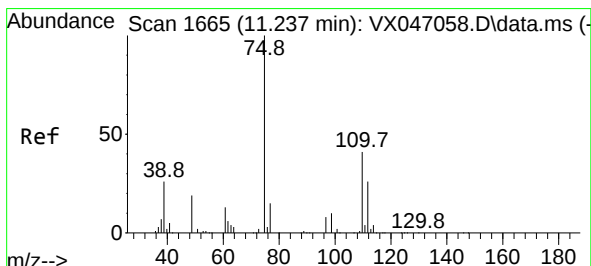
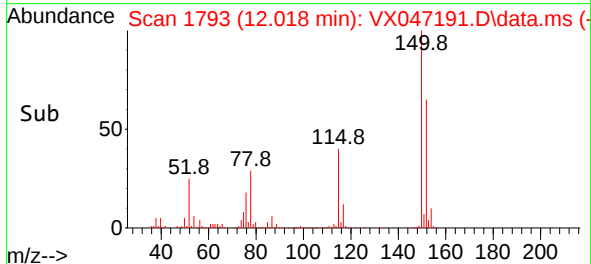
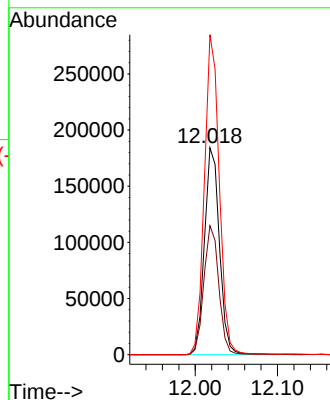
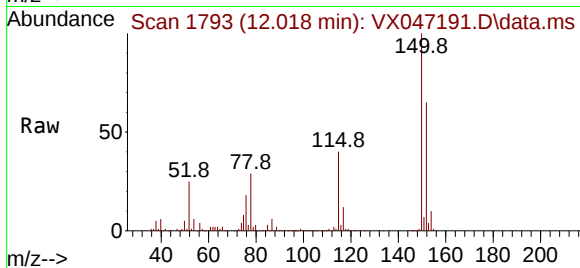
Tgt Ion:152 Resp: 233519

Ion Ratio Lower Upper

152 100

115 62.5 45.6 136.7

150 153.4 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 25.882 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047191.D

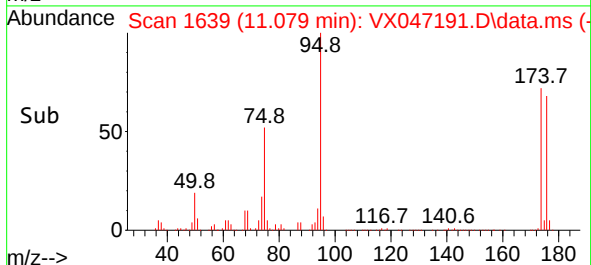
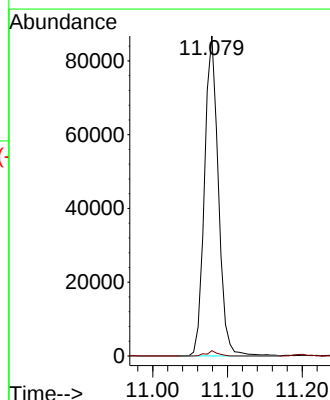
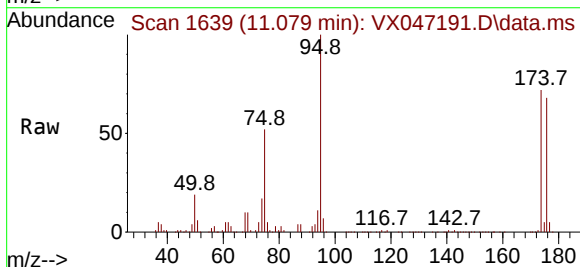
Acq: 31 Jul 2025 10:19

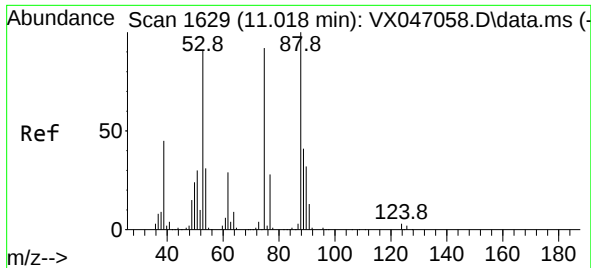
Tgt Ion: 75 Resp: 111869

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#

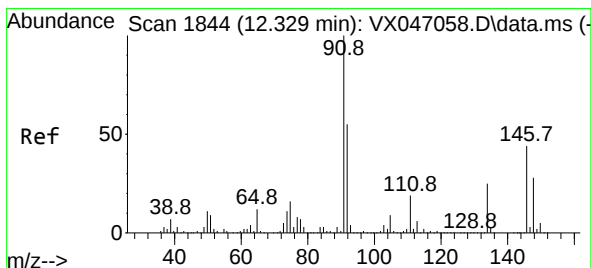
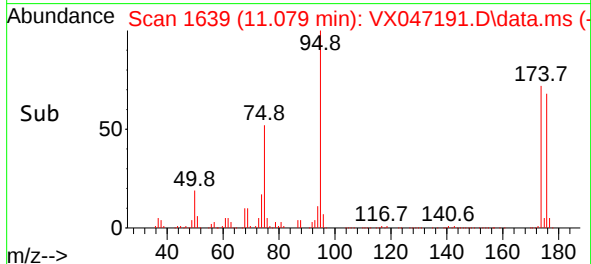
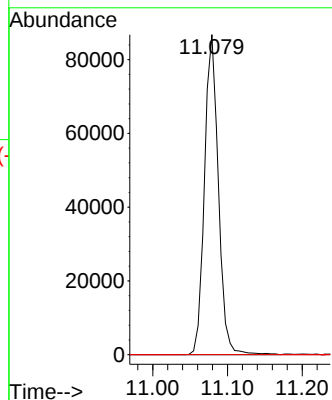
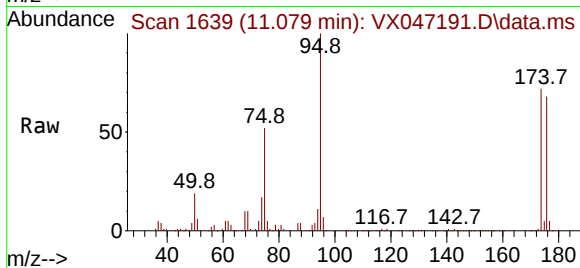




#81
trans-1,4-Dichloro-2-butene
Concen: 66.682 ug/l
RT: 11.079 min Scan# 111869
Delta R.T. 0.061 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

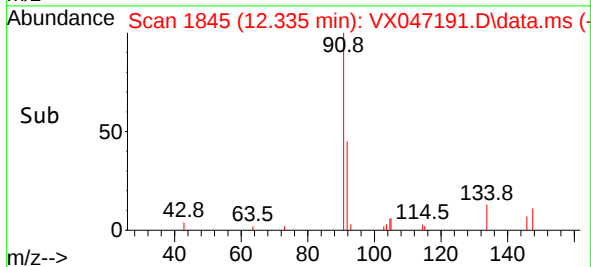
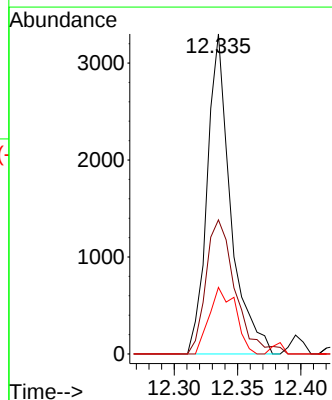
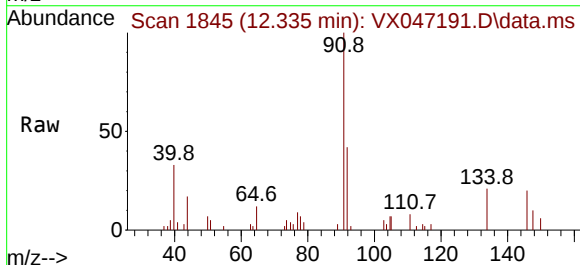
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

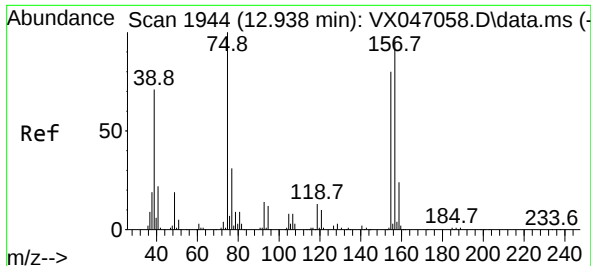
Tgt Ion: 75 Resp: 111869
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#89
n-Butylbenzene
Concen: 0.286 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Tgt Ion: 91 Resp: 4250
Ion Ratio Lower Upper
91 100
92 52.4 27.5 82.5
134 23.4 12.8 38.3

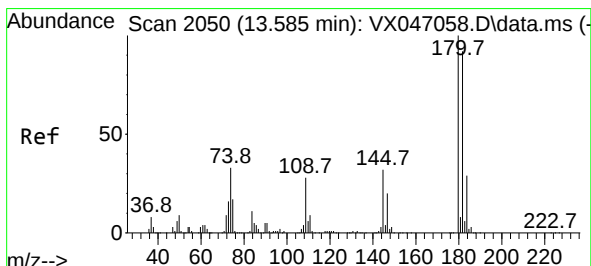
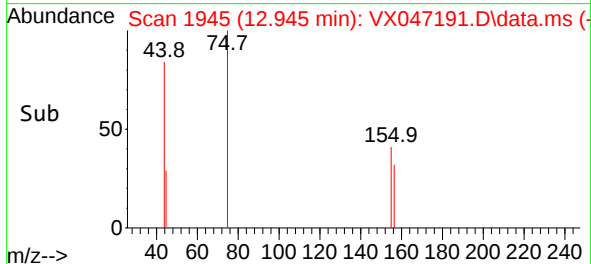
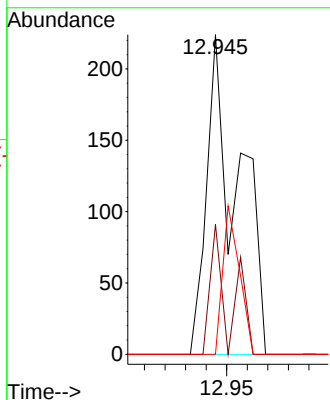
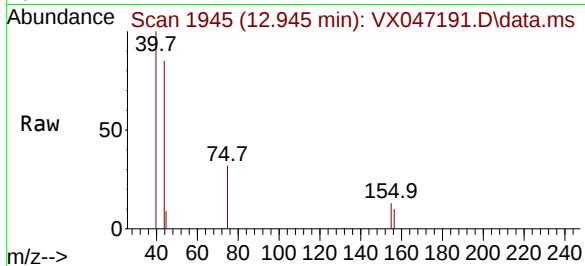




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.234 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

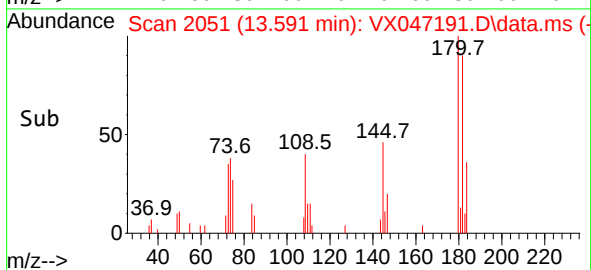
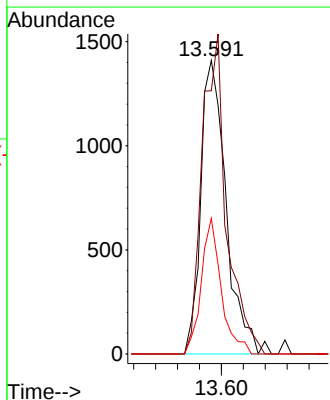
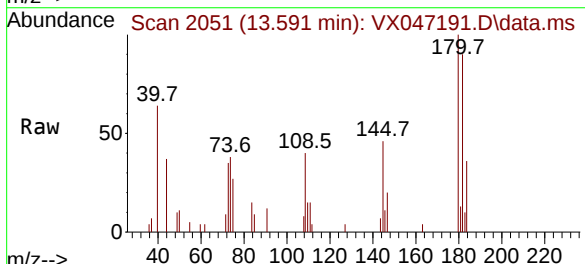
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

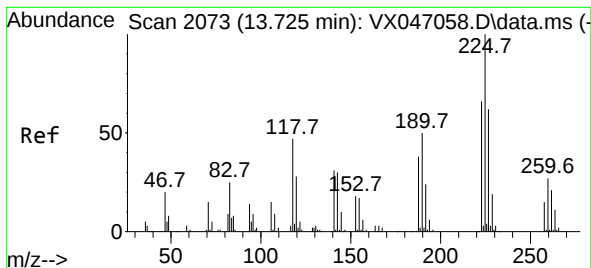
Tgt Ion: 75 Resp: 236
Ion Ratio Lower Upper
75 100
155 24.6 41.3 124.1#
157 24.6 52.8 158.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.427 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX047191.D
Acq: 31 Jul 2025 10:19

Tgt Ion: 180 Resp: 2264
Ion Ratio Lower Upper
180 100
182 104.1 47.3 141.8
145 36.4 16.4 49.1





#94

Hexachlorobutadiene

Concen: 2.424 ug/l

RT: 13.719 min Scan# 2073

Delta R.T. -0.006 min

Lab File: VX047191.D

Acq: 31 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBL01

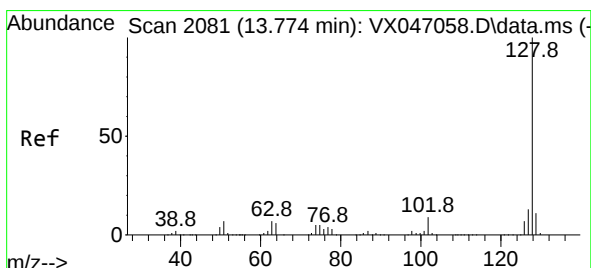
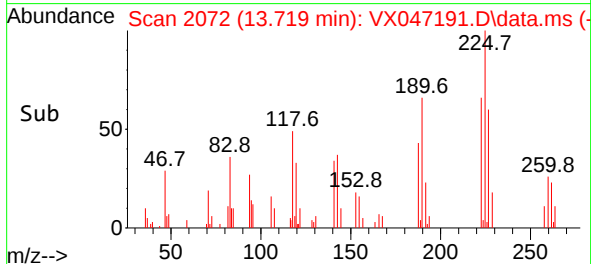
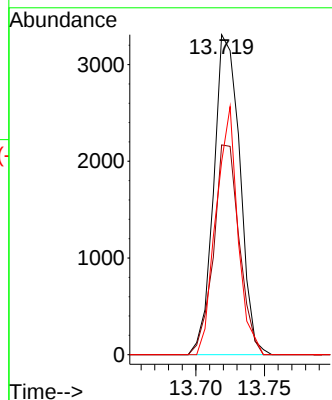
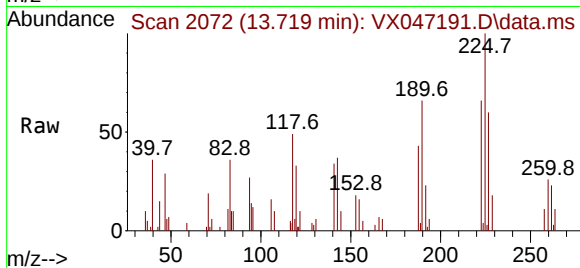
Tgt Ion:225 Resp: 4371

Ion Ratio Lower Upper

225 100

223 64.8 31.6 95.0

227 64.8 32.9 98.6



#95

Naphthalene

Concen: 0.327 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX047191.D

Acq: 31 Jul 2025 10:19

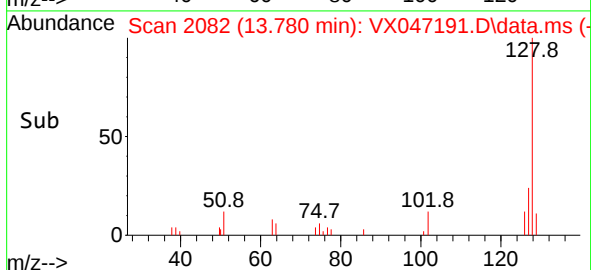
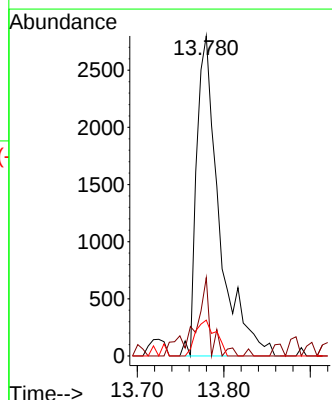
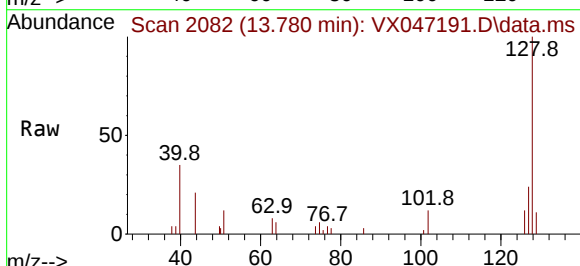
Tgt Ion:128 Resp: 5079

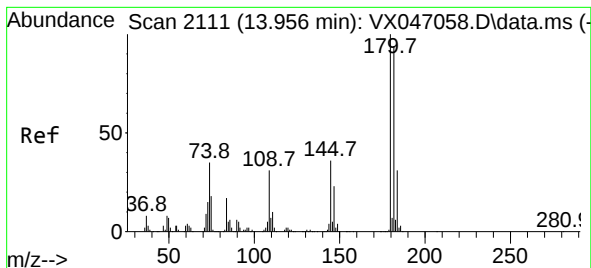
Ion Ratio Lower Upper

128 100

127 17.2 10.1 15.1#

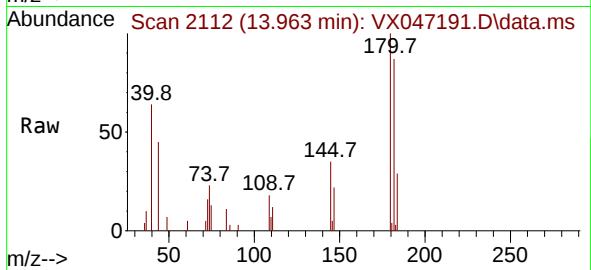
129 10.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.445 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX047191.D
 Acq: 31 Jul 2025 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBL01



Tgt Ion:	180	Resp:	2275
Ion Ratio	Lower	Upper	
180	100		
182	93.2	46.9	140.6
145	34.7	17.3	52.0

