

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080525\
 Data File : VX047230.D
 Acq On : 05 Aug 2025 11:25
 Operator : JC/MD
 Sample : VX0805MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805MBL01

Quant Time: Aug 06 05:39:19 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)

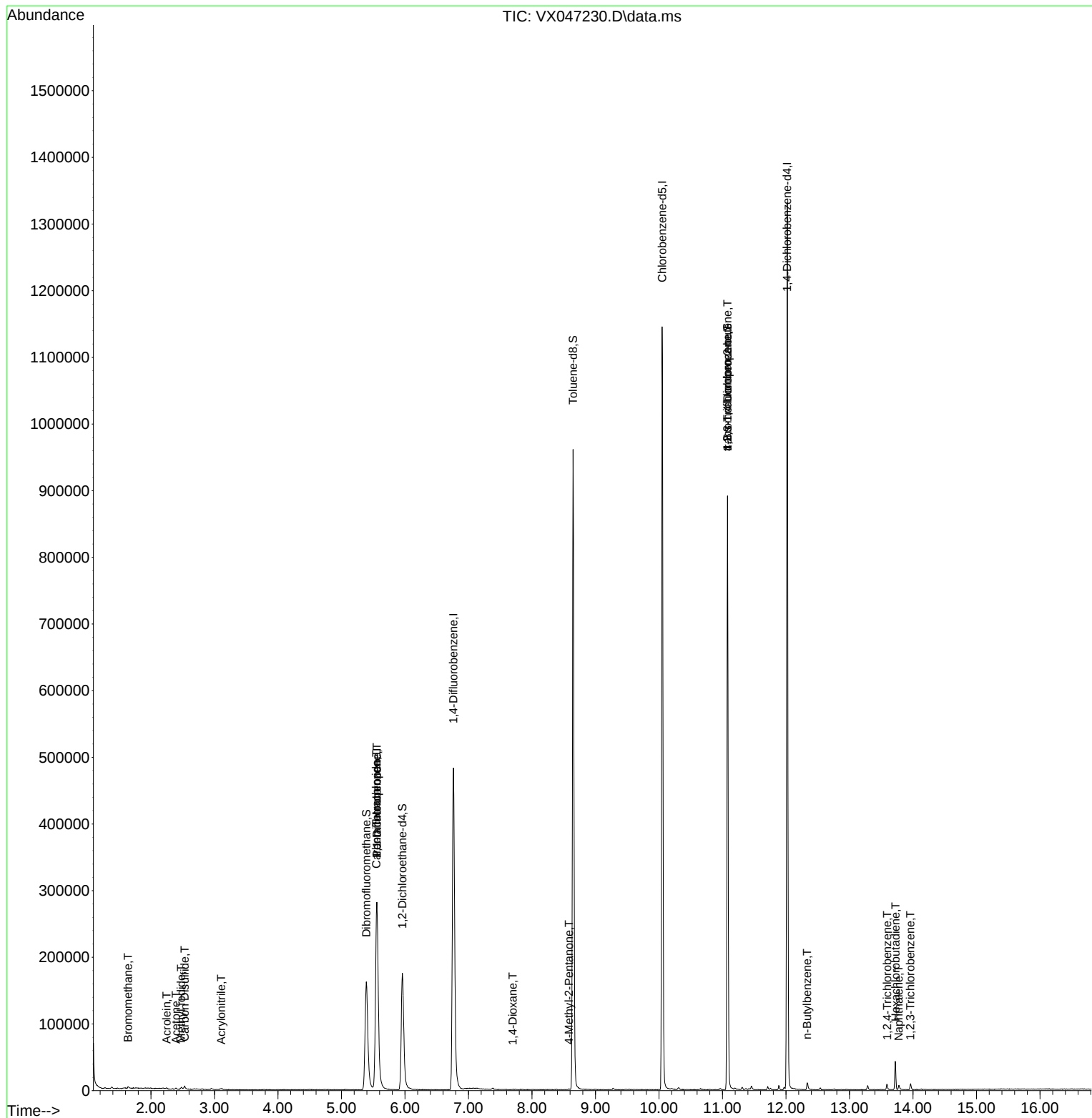
Internal Standards						
1) Pentafluorobenzene	5.556	168	281491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	525600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	505849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	256242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	186014	53.049	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.100%			
35) Dibromofluoromethane	5.391	113	154418	47.583	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.160%			
50) Toluene-d8	8.647	98	570424	54.276	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.560%			
62) 4-Bromofluorobenzene	11.079	95	236668	52.256	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.520%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	1158	0.536	ug/l #	73
10) Methyl Iodide	2.477	142	4397	1.208	ug/l #	73
11) Tert butyl alcohol	2.953	59	689	Below Cal	#	72
13) Acrolein	2.246	56	341	0.452	ug/l #	4
15) Acrylonitrile	3.105	53	621	0.371	ug/l #	82
16) Acetone	2.392	43	2321	1.652	ug/l	93
17) Carbon Disulfide	2.532	76	4977	0.486	ug/l	96
36) 1,1-Dichloropropene	5.556	75	23135	4.182	ug/l #	51
38) Carbon Tetrachloride	5.550	117	30035	5.087	ug/l #	16
49) 1,4-Dioxane	7.696	88	292	5.931	ug/l #	54
51) 4-Methyl-2-Pentanone	8.580	43	1030	0.218	ug/l #	79
76) 1,2,3-Trichloropropane	11.079	75	122853	25.902	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	122853	66.735	ug/l #	8
89) n-Butylbenzene	12.329	91	4436	0.272	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	2502	0.430	ug/l	95
94) Hexachlorobutadiene	13.725	225	5289	2.673	ug/l	100
95) Naphthalene	13.774	128	5673	0.333	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.957	180	2438	0.435	ug/l	99

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

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ALS Vial : 3 Sample Multiplier: 1

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VX0805MBL01

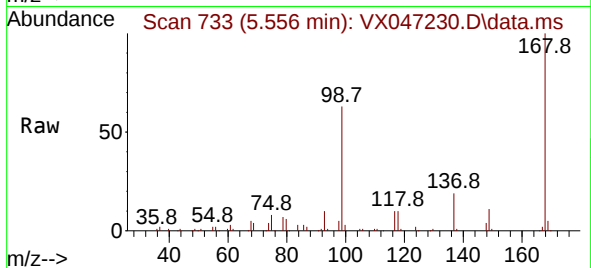
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



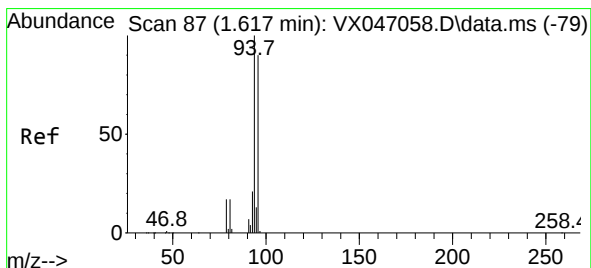
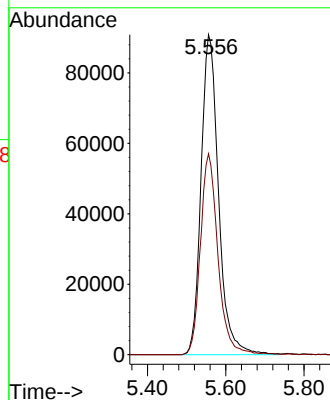
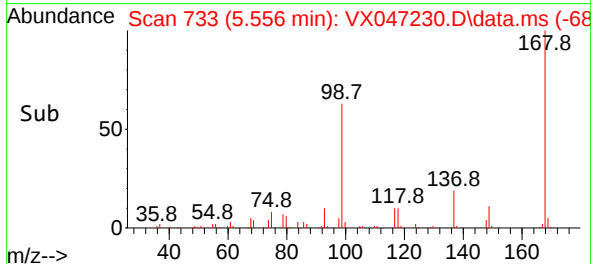


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01

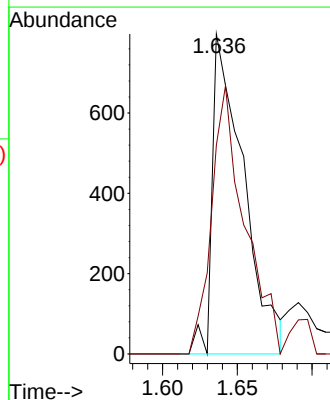
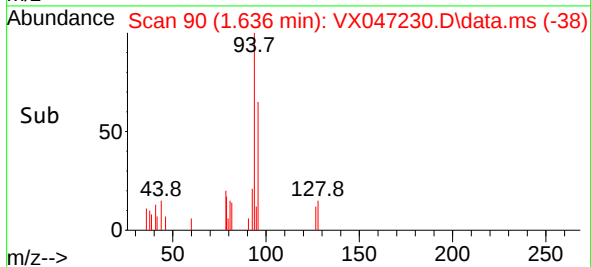
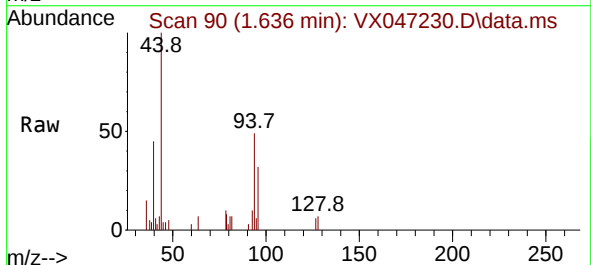


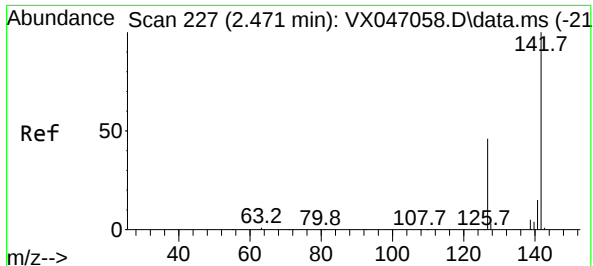
Tgt Ion:168 Resp: 281491
Ion Ratio Lower Upper
168 100
99 62.8 48.0 72.0



#5
Bromomethane
Concen: 0.536 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Tgt Ion: 94 Resp: 1158
Ion Ratio Lower Upper
94 100
96 65.2 72.3 108.5#

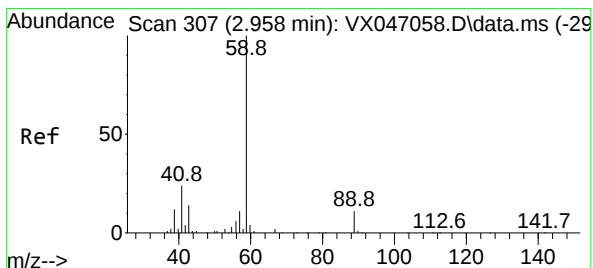
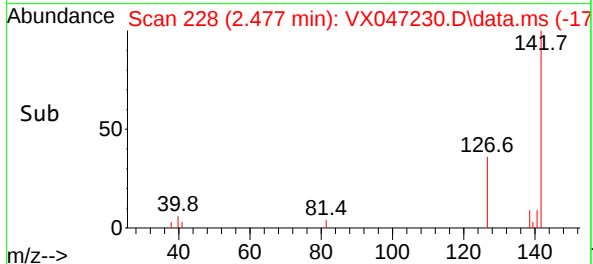
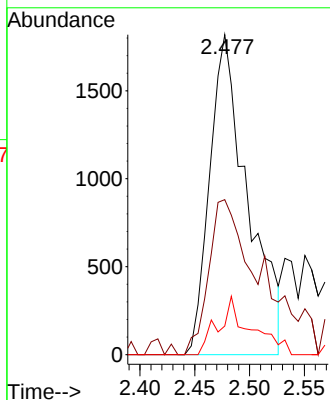
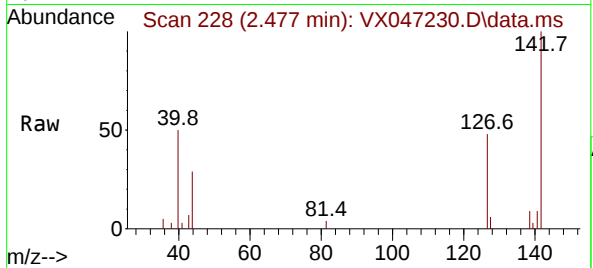




#10
Methyl Iodide
Concen: 1.208 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

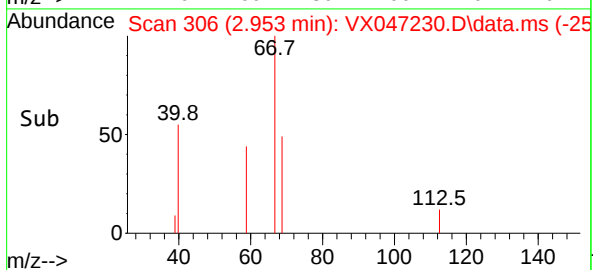
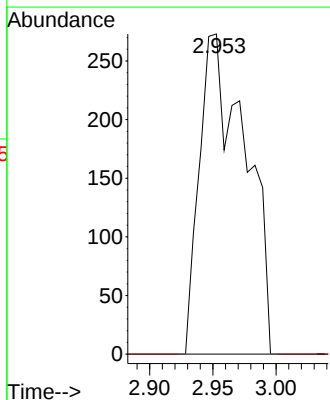
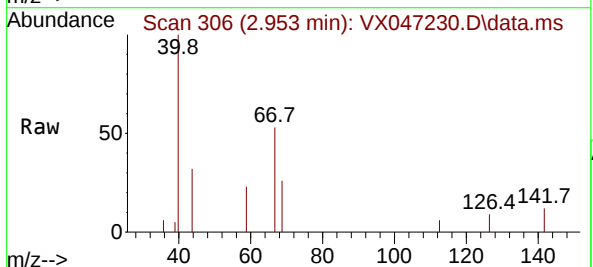
Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01

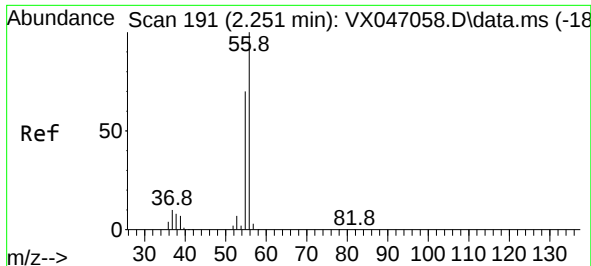
Tgt Ion:142 Resp: 4397
Ion Ratio Lower Upper
142 100
127 67.5 36.6 54.8#
141 15.4 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Tgt Ion: 59 Resp: 689
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

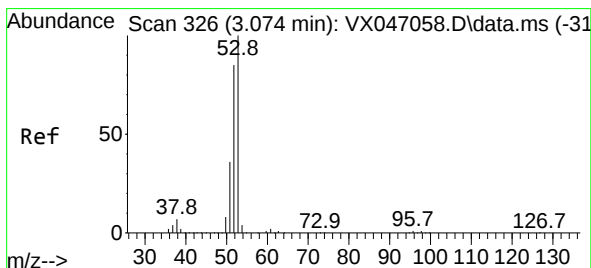
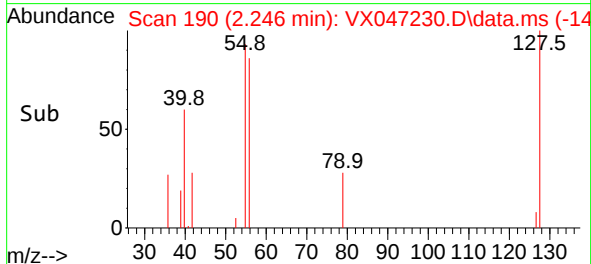
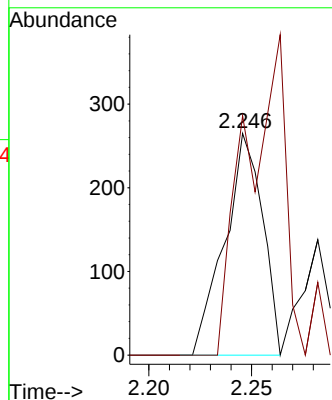
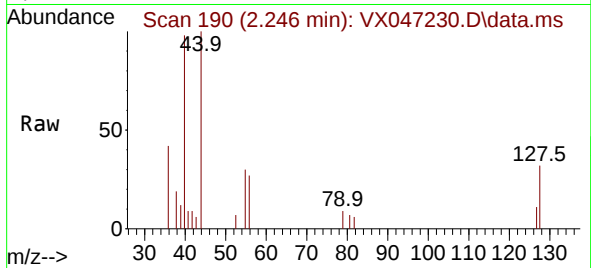




#13
Acrolein
Concen: 0.452 ug/l
RT: 2.246 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

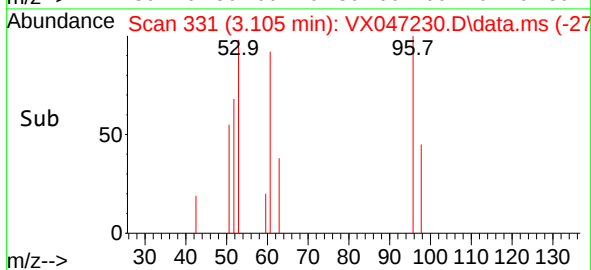
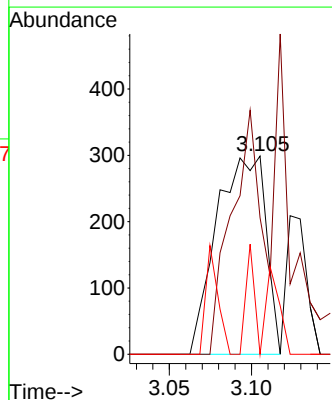
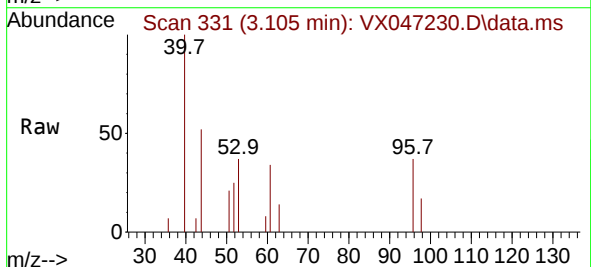
Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01

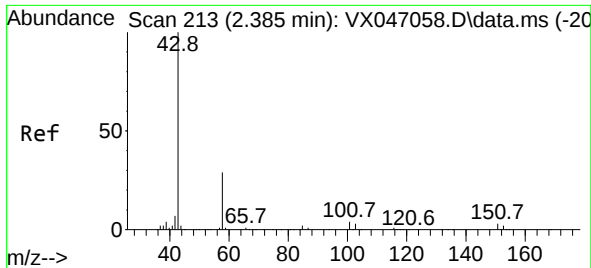
Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
55 148.4 55.7 83.5#



#15
Acrylonitrile
Concen: 0.371 ug/l
RT: 3.105 min Scan# 331
Delta R.T. 0.031 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Tgt Ion: 53 Resp: 621
Ion Ratio Lower Upper
53 100
52 76.2 65.7 98.5
51 9.8 28.8 43.2#

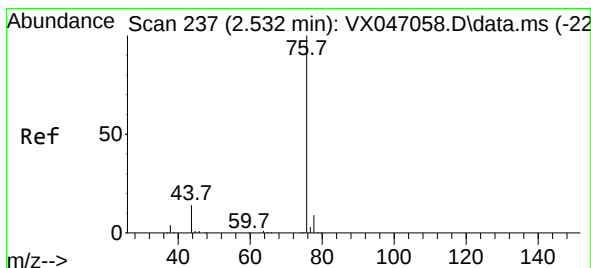
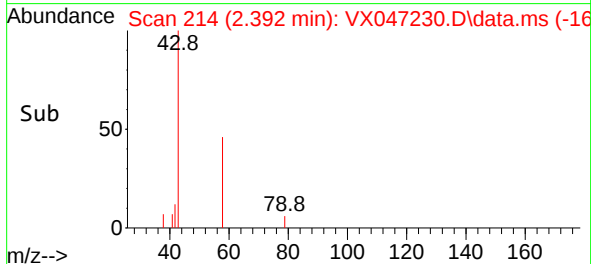
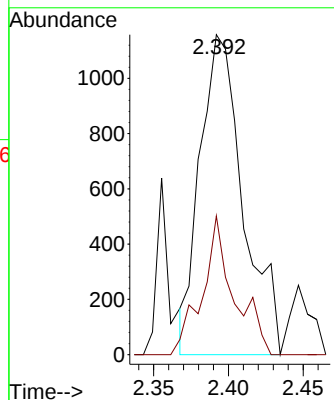
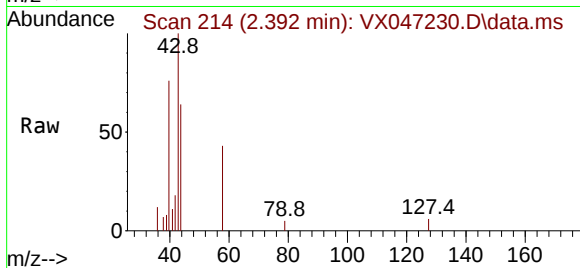




#16
Acetone
Concen: 1.652 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

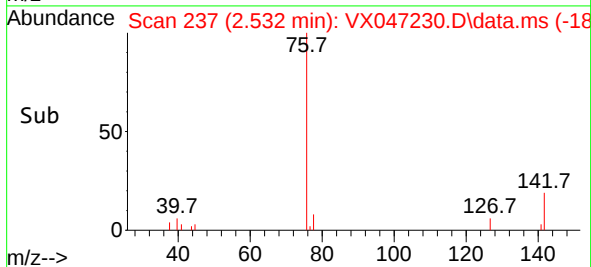
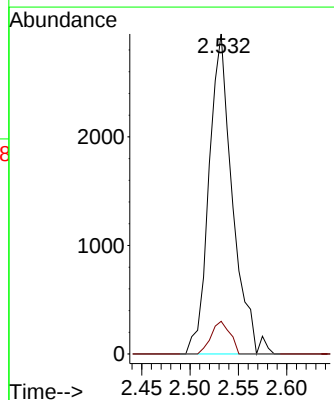
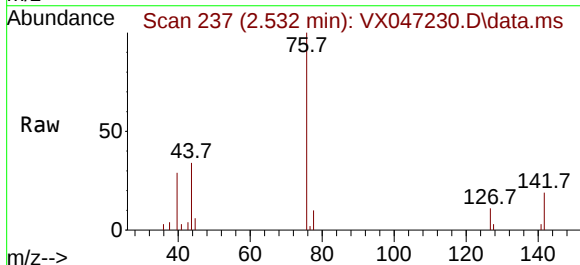
Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01

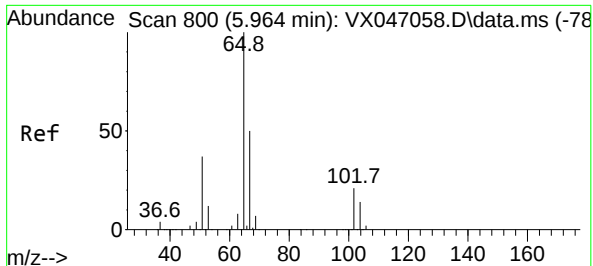
Tgt Ion: 43 Resp: 2321
Ion Ratio Lower Upper
43 100
58 26.4 24.0 36.0



#17
Carbon Disulfide
Concen: 0.486 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Tgt Ion: 76 Resp: 4977
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4





#33

1,2-Dichloroethane-d4

Concen: 53.049 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047230.D

Acq: 05 Aug 2025 11:25

Instrument :

MSVOA_X

ClientSampleId :

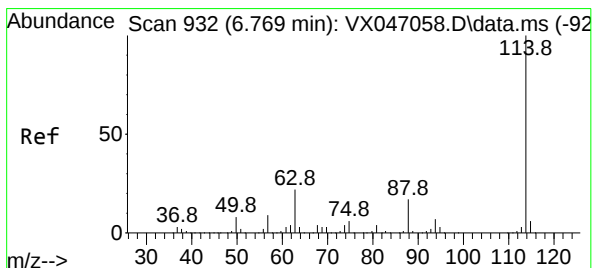
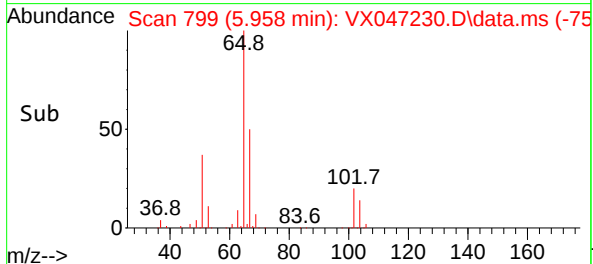
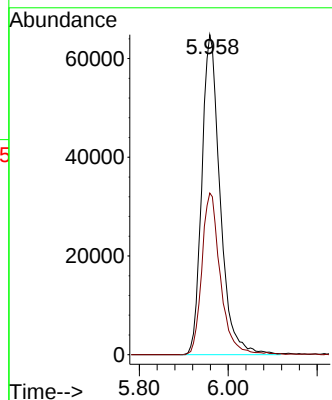
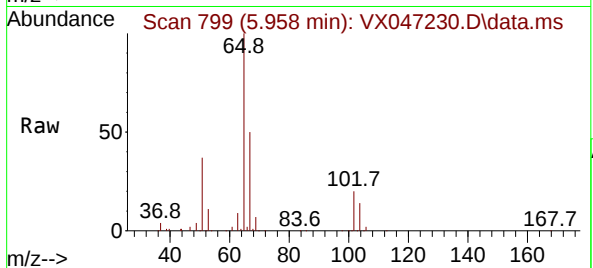
VX0805MBL01

Tgt Ion: 65 Resp: 186014

Ion Ratio Lower Upper

65 100

67 51.1 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: VX047230.D

Acq: 05 Aug 2025 11:25

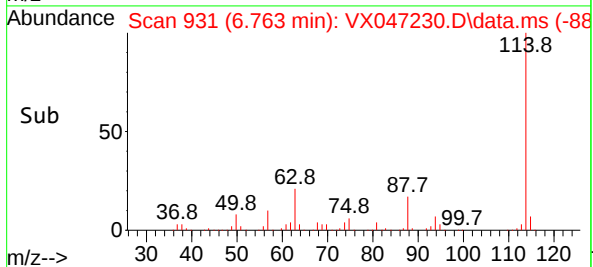
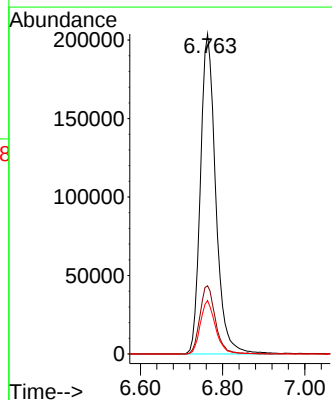
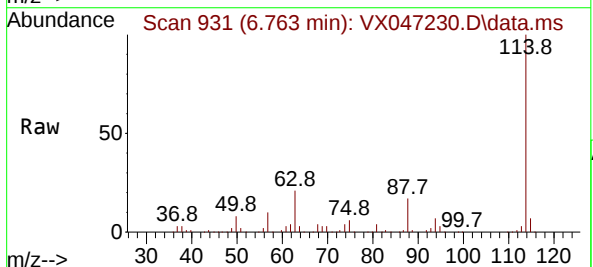
Tgt Ion: 114 Resp: 525600

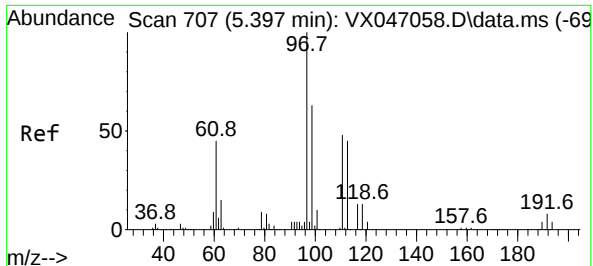
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.583 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047230.D

Acq: 05 Aug 2025 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBL01

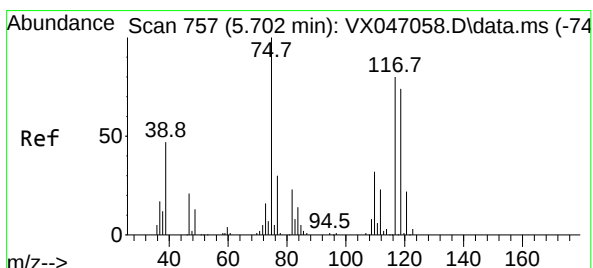
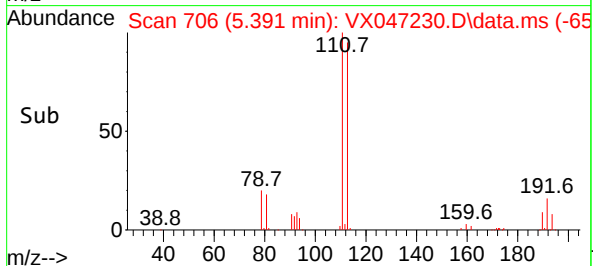
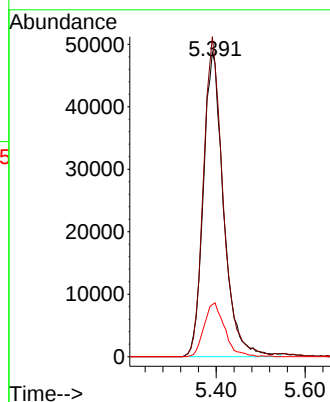
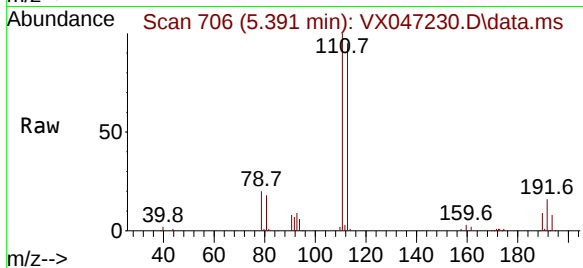
Tgt Ion:113 Resp: 154418

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 18.0 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.182 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX047230.D

Acq: 05 Aug 2025 11:25

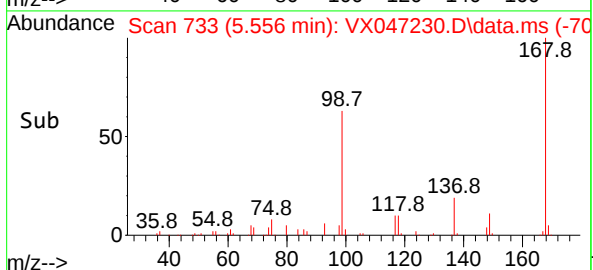
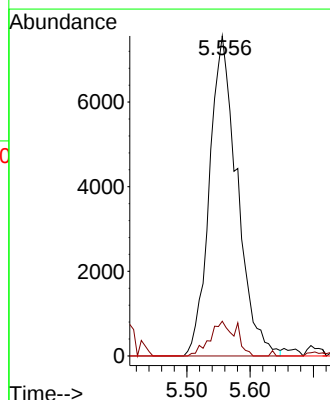
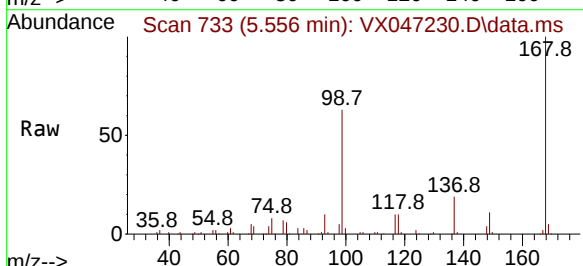
Tgt Ion: 75 Resp: 23135

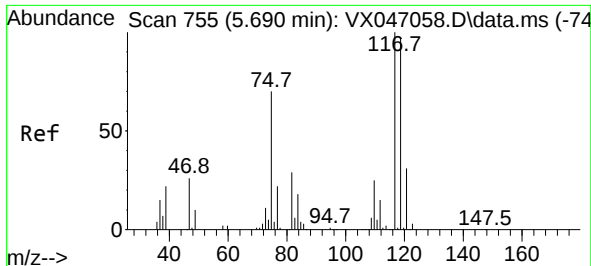
Ion Ratio Lower Upper

75 100

110 10.2 17.2 51.5#

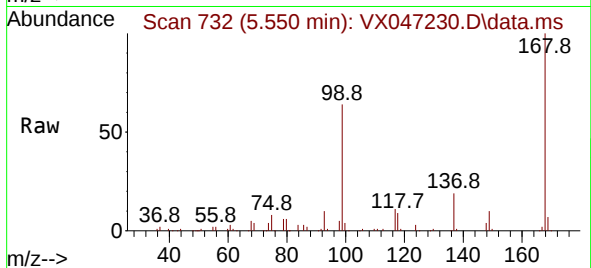
77 0.0 25.1 37.7#



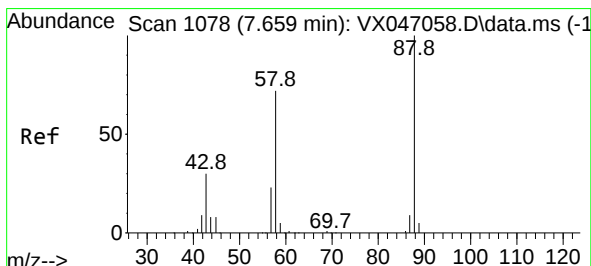
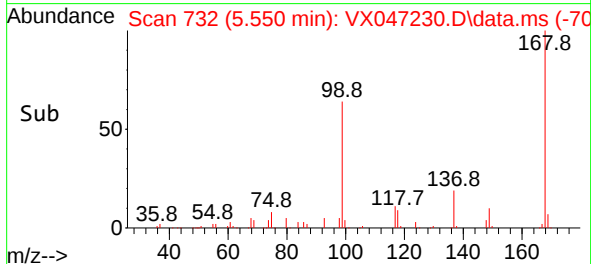
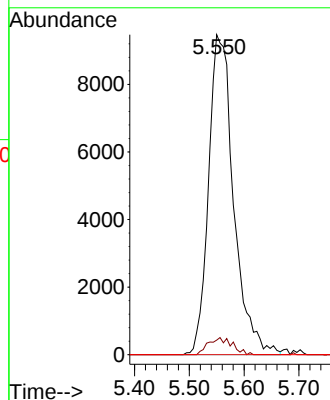


#38
Carbon Tetrachloride
Concen: 5.087 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01

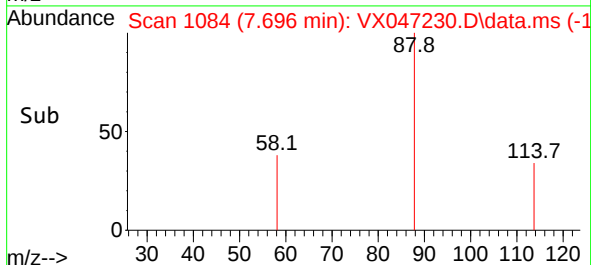
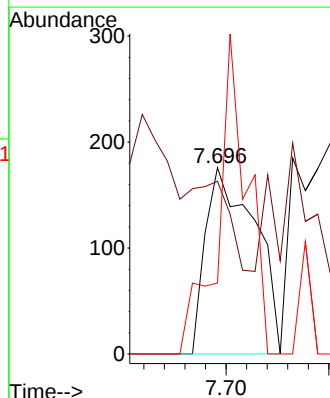
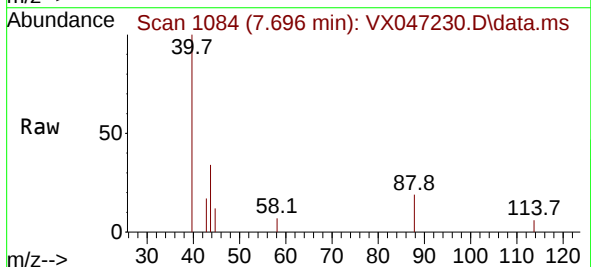


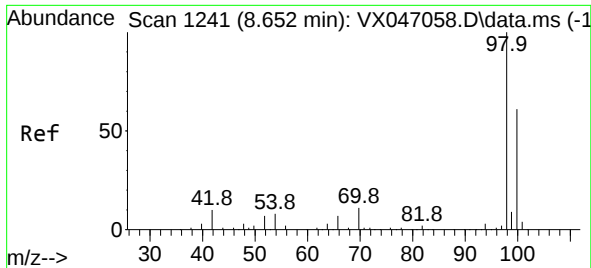
Tgt Ion:117 Resp: 30035
Ion Ratio Lower Upper
117 100
119 4.6 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 5.931 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Tgt Ion: 88 Resp: 292
Ion Ratio Lower Upper
88 100
43 0.0 33.6 50.4#
58 102.1 58.8 88.2#

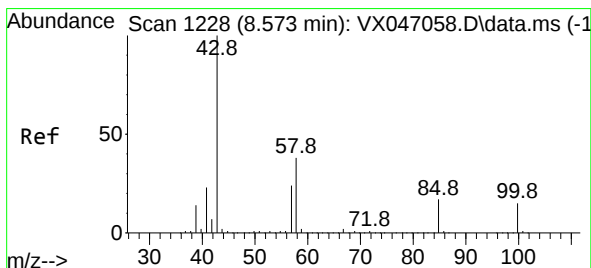
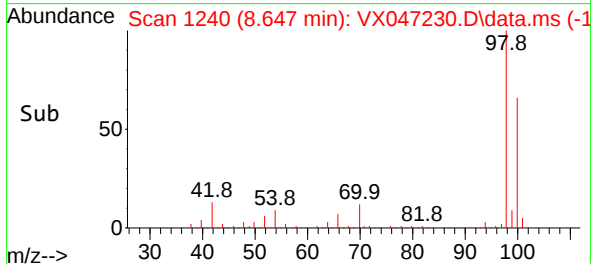
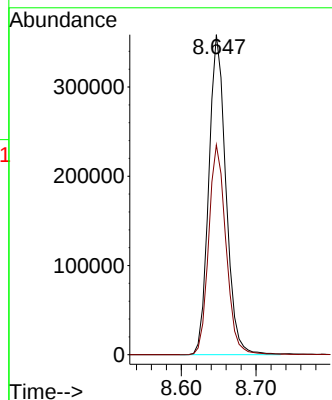
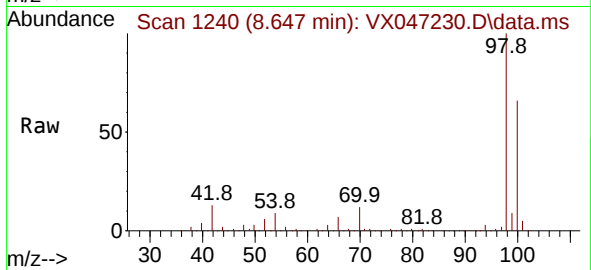




#50
Toluene-d8
Concen: 54.276 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

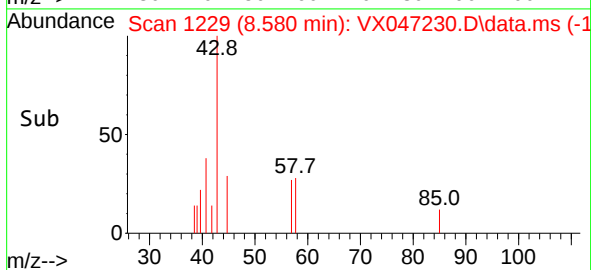
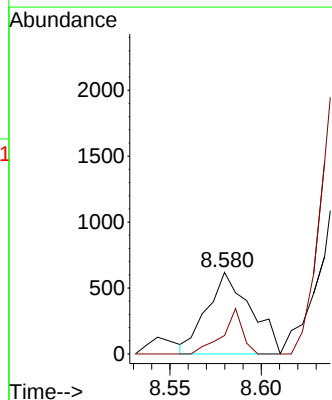
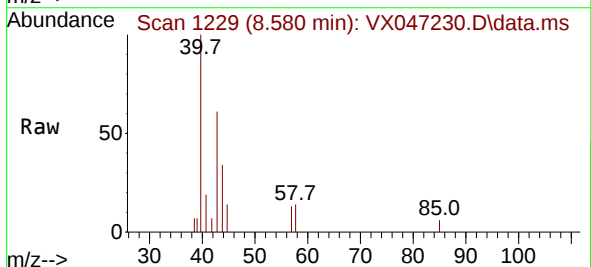
Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01

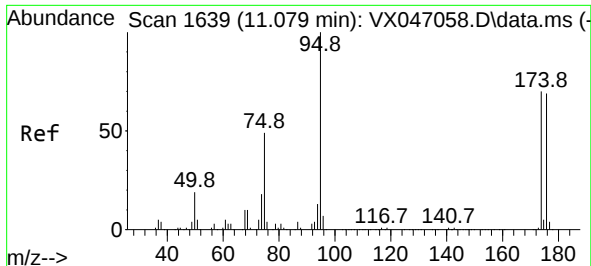
Tgt Ion: 98 Resp: 570424
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 0.218 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 25.3 30.6 45.8#

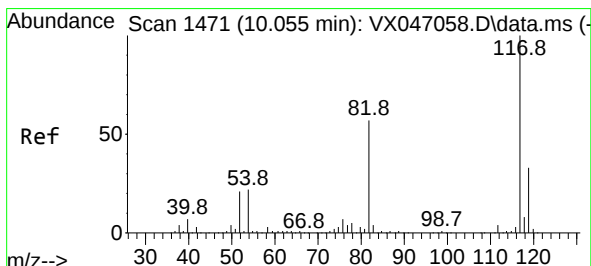
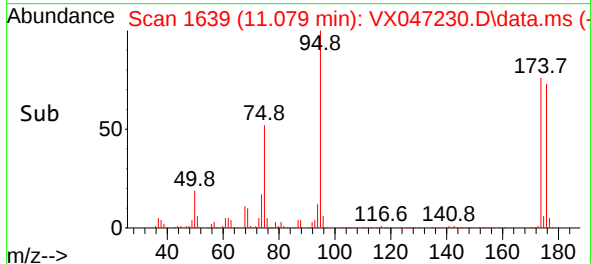
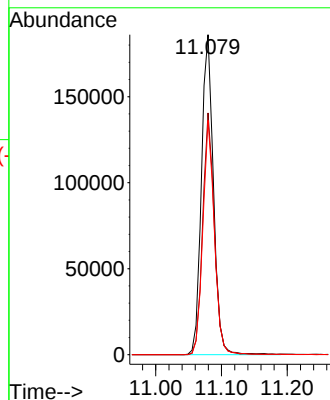
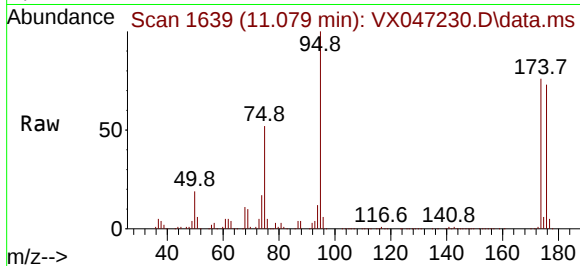




#62
4-Bromofluorobenzene
Concen: 52.256 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

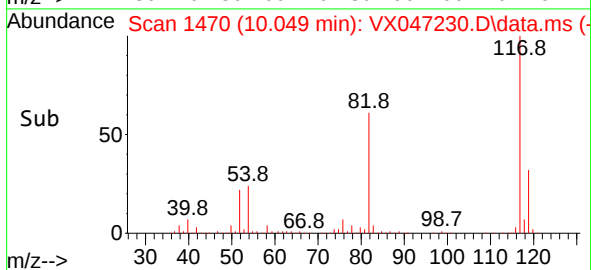
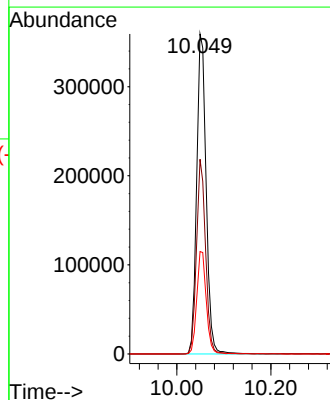
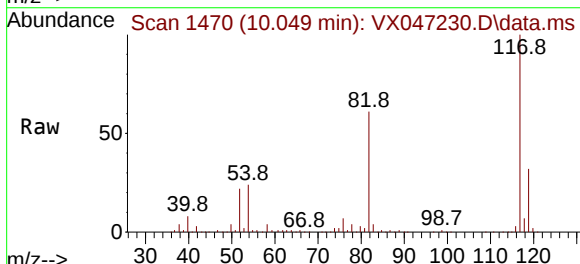
Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01

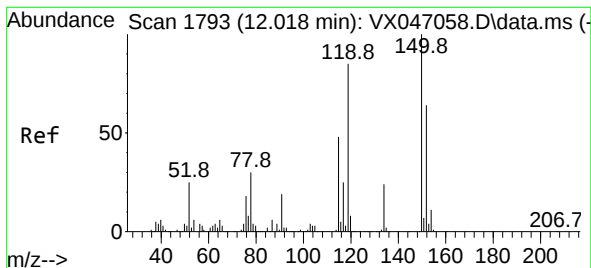
Tgt Ion: 95 Resp: 236668
Ion Ratio Lower Upper
95 100
174 73.2 0.0 144.6
176 70.1 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Tgt Ion: 117 Resp: 505849
Ion Ratio Lower Upper
117 100
82 60.9 45.4 68.2
119 32.0 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: VX047230.D

Acq: 05 Aug 2025 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBL01

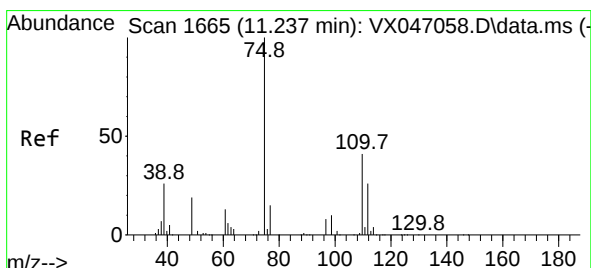
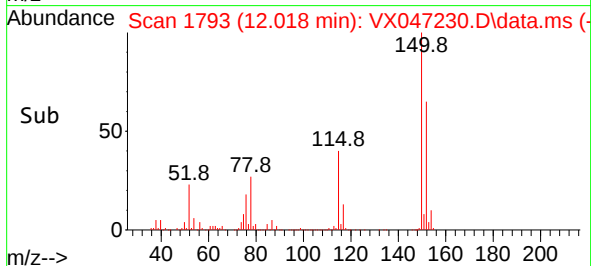
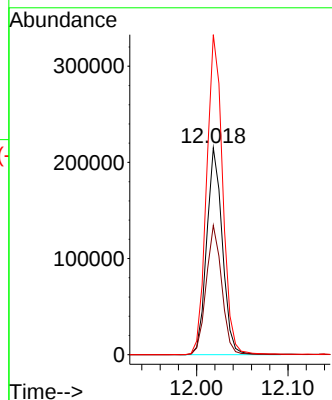
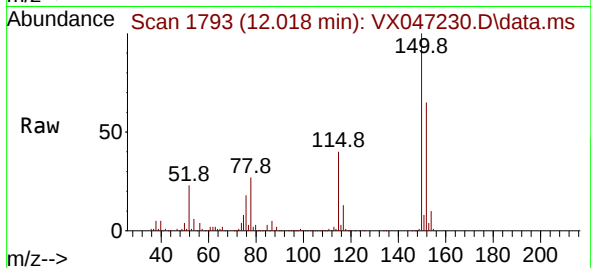
Tgt Ion:152 Resp: 256242

Ion Ratio Lower Upper

152 100

115 62.3 45.6 136.7

150 158.4 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 25.902 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047230.D

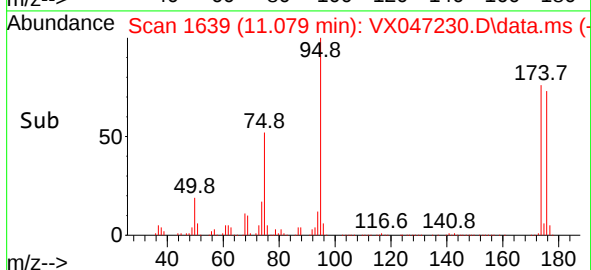
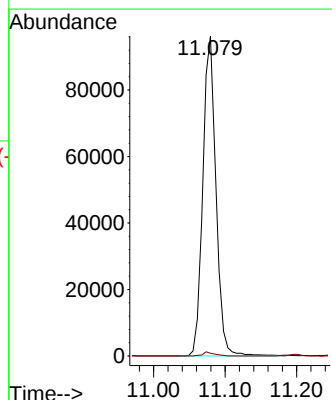
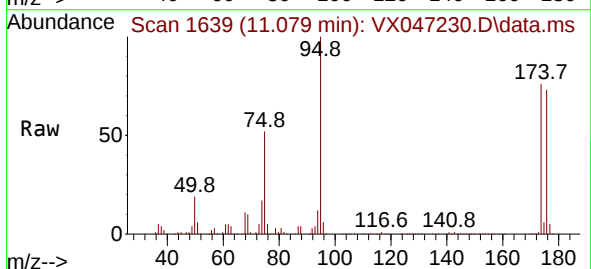
Acq: 05 Aug 2025 11:25

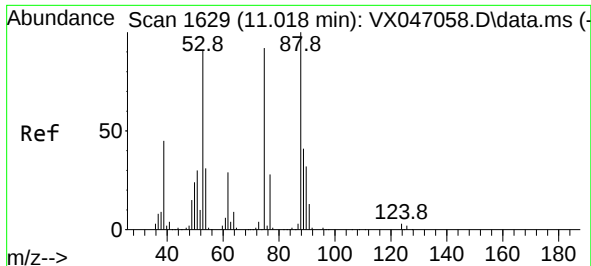
Tgt Ion: 75 Resp: 122853

Ion Ratio Lower Upper

75 100

77 1.1 21.6 65.0#

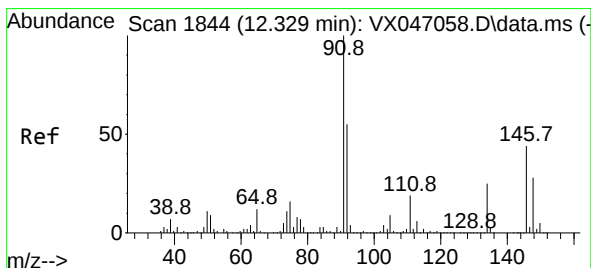
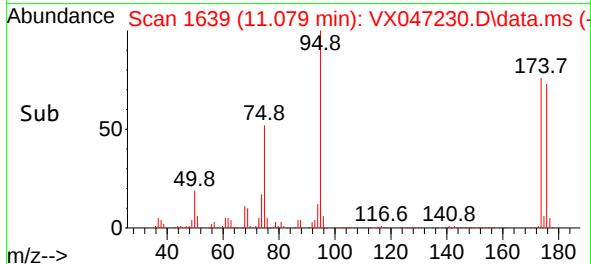
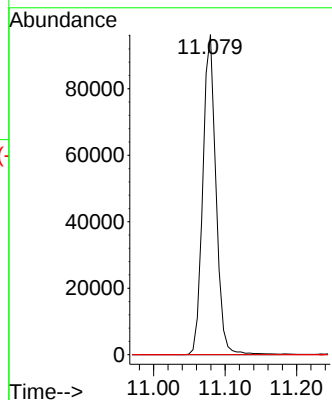
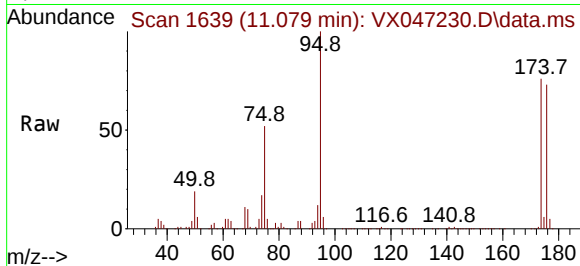




#81
trans-1,4-Dichloro-2-butene
Concen: 66.735 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

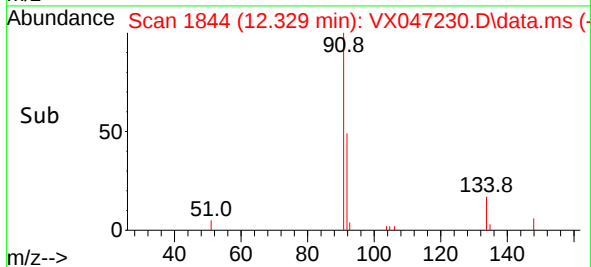
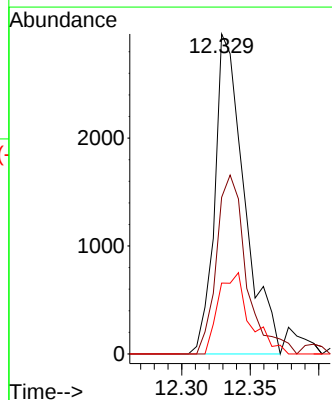
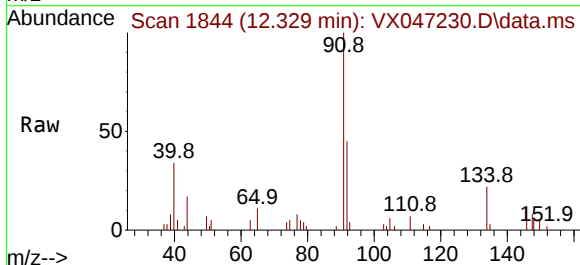
Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01

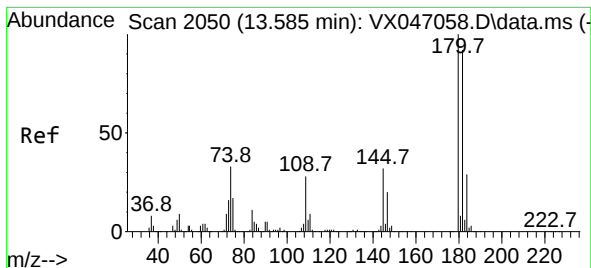
Tgt Ion: 75 Resp: 122853
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#89
n-Butylbenzene
Concen: 0.272 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

Tgt Ion: 91 Resp: 4436
Ion Ratio Lower Upper
91 100
92 56.6 27.5 82.5
134 26.9 12.8 38.3





#93

1,2,4-Trichlorobenzene

Concen: 0.430 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.007 min

Lab File: VX047230.D

Acq: 05 Aug 2025 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBL01

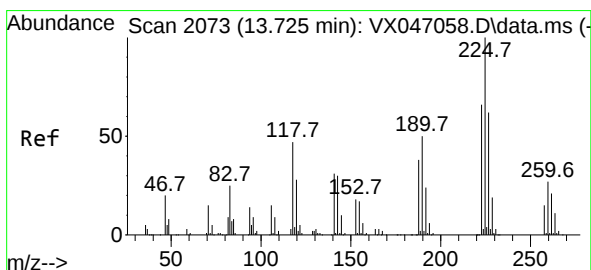
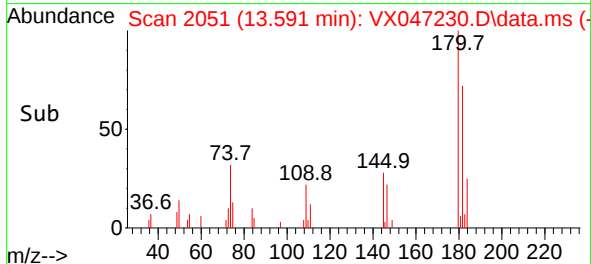
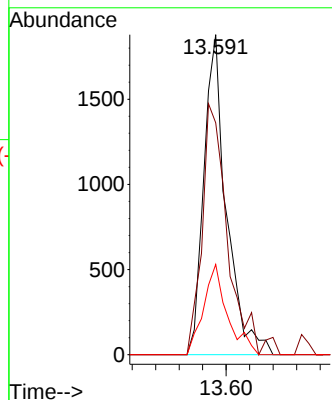
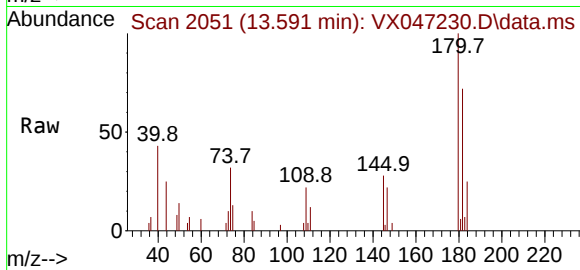
Tgt Ion:180 Resp: 2502

Ion Ratio Lower Upper

180 100

182 89.4 47.3 141.8

145 29.9 16.4 49.1



#94

Hexachlorobutadiene

Concen: 2.673 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX047230.D

Acq: 05 Aug 2025 11:25

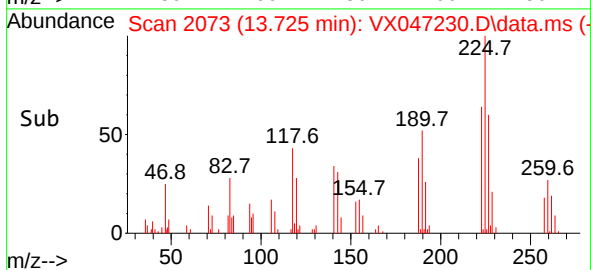
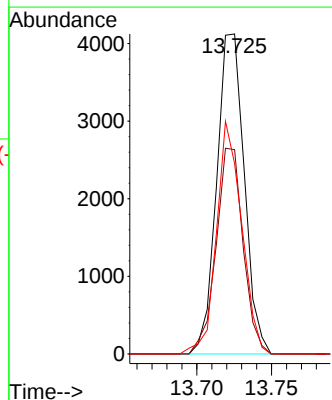
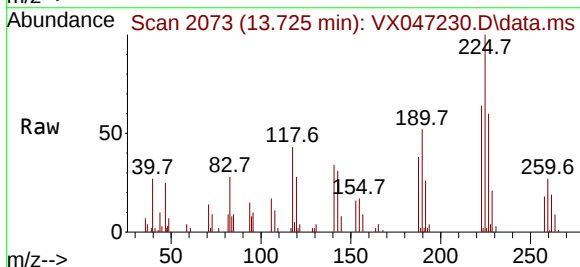
Tgt Ion:225 Resp: 5289

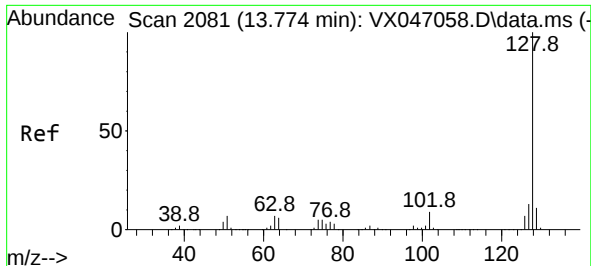
Ion Ratio Lower Upper

225 100

223 63.1 31.6 95.0

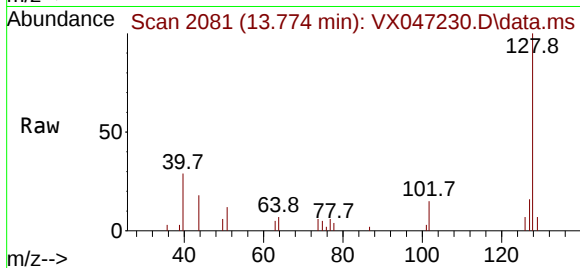
227 66.1 32.9 98.6



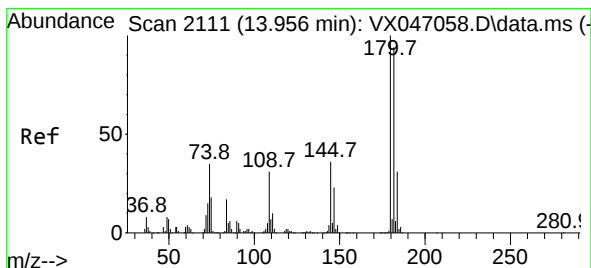
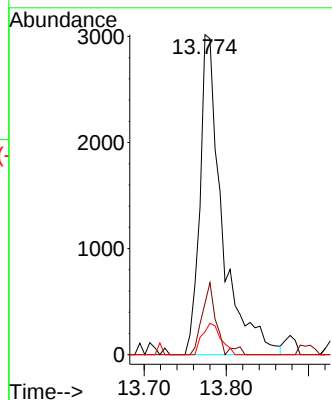
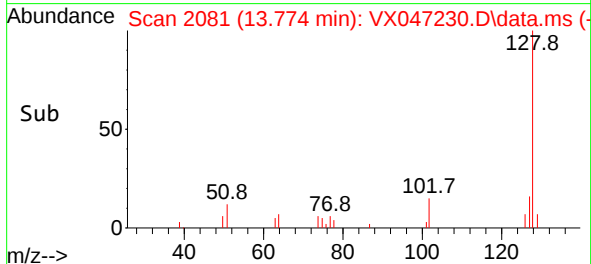


#95
Naphthalene
Concen: 0.333 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25

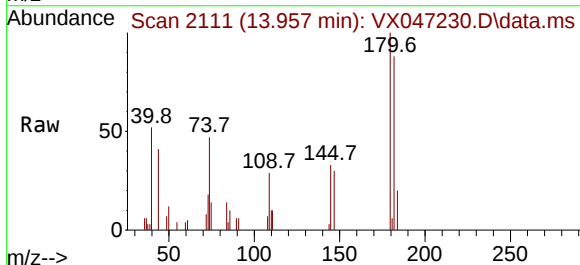
Instrument :
MSVOA_X
ClientSampleId :
VX0805MBL01



Tgt Ion:128 Resp: 5673
Ion Ratio Lower Upper
128 100
127 14.0 10.1 15.1
129 8.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.435 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047230.D
Acq: 05 Aug 2025 11:25



Tgt Ion:180 Resp: 2438
Ion Ratio Lower Upper
180 100
182 94.5 46.9 140.6
145 34.8 17.3 52.0

