

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048057.D
 Acq On : 07 Oct 2025 18:45
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 08 03:00:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X100725W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 08 02:46:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.050	128	49	30.000	ug/l	0.16
28) 1,4-Difluorobenzene	6.751	114	153921	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.037	117	144792	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	70741	14502.103	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 48340.333%#	
60) 4-Bromofluorobenzene	11.067	95	68944	29.109	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 97.033%	
63) Toluene-d8	8.635	98	188565	29.225	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 97.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	523	135.155	ug/l #	41
3) Chloromethane	1.380	50	65	15.358	ug/l #	44
4) Vinyl Chloride	1.380	62	531	124.922	ug/l	88
5) Bromomethane	1.679	94	107	44.807	ug/l #	7
6) Chloroethane	1.611	64	204	75.729	ug/l	96
7) Trichlorofluoromethane	1.910	101	170	28.516	ug/l #	19
8) Diethyl Ether	2.142	74	162	69.853	ug/l #	6
9) 1,1,2-Trichlorotrifluo...	2.325	101	80	24.894	ug/l	85
10) 1,1-Dichloroethene	2.325	96	226	65.549	ug/l #	31
11) Methyl Iodide	2.465	142	824	183.007	ug/l	72
12) Methyl Acetate	2.709	43	518	124.480	ug/l	92
13) Acrolein	2.245	56	654	937.079	ug/l	89
14) Acrylonitrile	3.166	53	48	24.654	ug/l #	17
15) Acetone	2.386	58	422	916.231	ug/l #	16
16) Carbon Disulfide	2.520	76	8790	820.343	ug/l	99
17) Allyl chloride	2.697	41	61	9.584	ug/l #	1
18) Methylene Chloride	2.788	84	687	163.263	ug/l	87
20) Diisopropyl ether	3.782	45	71	5.359	ug/l #	3
21) 1,1-Dichloroethane	3.635	63	101	13.994	ug/l #	83
22) cis-1,2-Dichloroethene	4.513	96	32	7.206	ug/l #	1
23) tert-Butyl Alcohol	3.093	59	189	397.028	ug/l #	1
24) Methyl tert-Butyl Ether	3.105	73	910	75.227	ug/l #	76
25) Chloroform	5.105	83	302	41.441	ug/l #	19
26) Cyclohexane	5.641	56	83	14.632	ug/l #	8
37) Trichloroethene	7.123	130	810	0.450	ug/l	92
38) Methylcyclohexane	7.373	83	2302	0.868	ug/l	95
42) Vinyl Acetate	3.727	43	4418	0.817	ug/l #	81
45) 1,4-Dioxane	7.671	88	110	4.407	ug/l #	66
47) n-amyl Acetate	10.829	43	944	0.267	ug/l #	76
50) 1,1,2-Trichloroethane	9.141	97	373	0.207	ug/l #	42
54) 1,2-Dibromoethane	9.598	107	524	0.284	ug/l #	54
56) Bromoform	10.787	173	206	11.146	ug/l #	1
58) 4-Methyl-2-Pentanone	8.568	43	2171	0.867	ug/l #	90
59) 2-Hexanone	9.421	43	1682	0.973	ug/l	94
61) Tetrachloroethene	9.263	164	928	0.629	ug/l	87
62) Toluene	8.708	91	2068	0.257	ug/l	98
64) Chlorobenzene	10.061	112	1950	0.378	ug/l #	84
66) Ethyl Benzene	10.183	91	2806	0.321	ug/l	96
67) m/p-Xylenes	10.287	106	2062	0.624	ug/l	80

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

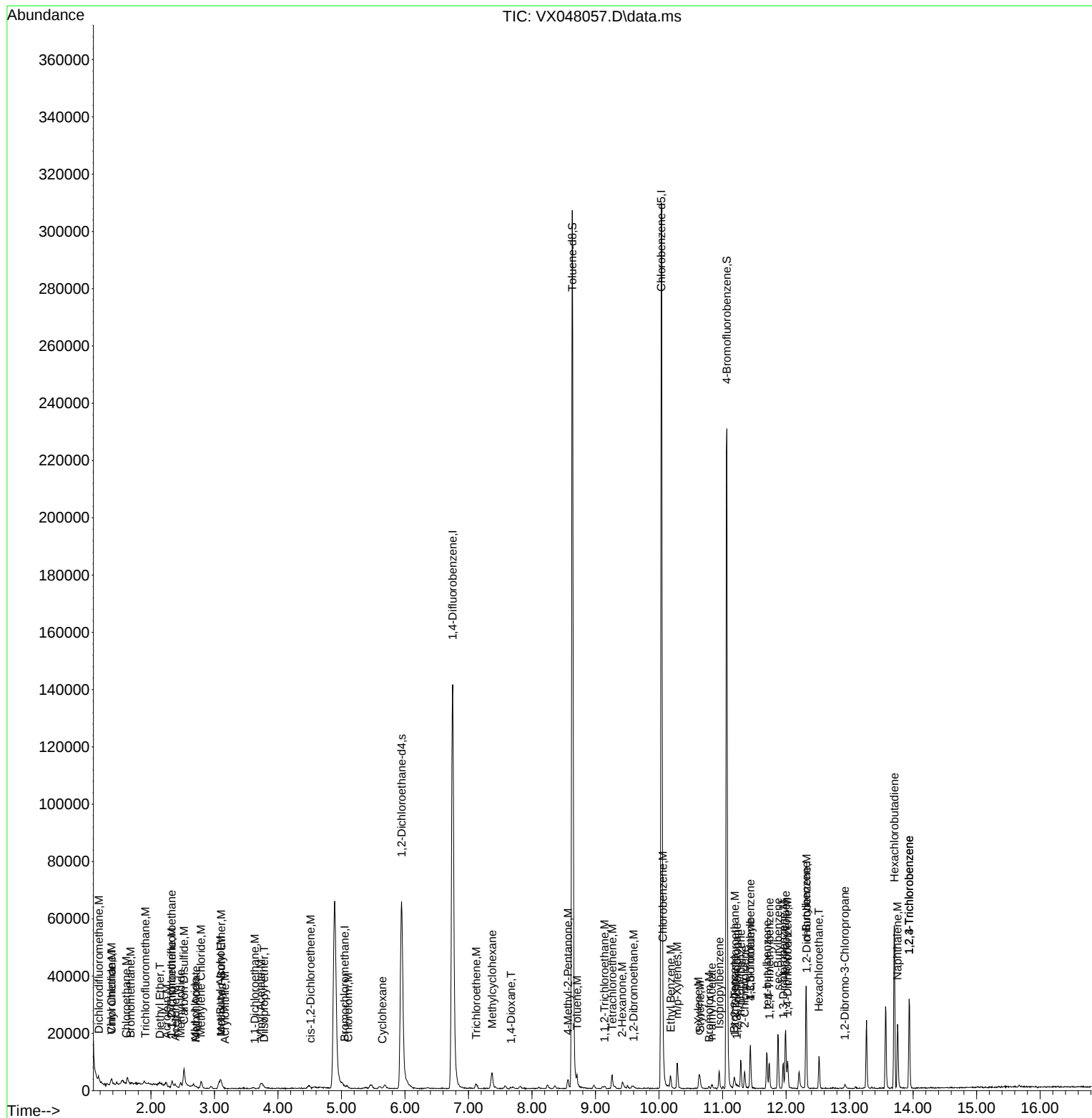
68) o-Xylene	10.622	106	834	0.265	ug/l	91
69) Styrene	10.646	104	1719	0.312	ug/l #	89
70) Isopropylbenzene	10.951	105	3301	0.411	ug/l	94
71) 1,1,2,2-Tetrachloroethane	11.195	83	520	0.206	ug/l #	75
72) 1,2,3-Trichloropropane	11.226	75	588	0.268	ug/l	53
73) Bromobenzene	11.183	156	766	0.374	ug/l	70
74) n-propylbenzene	11.287	91	6224	0.641	ug/l	99
75) 2-Chlorotoluene	11.348	91	2964	0.497	ug/l	96
76) 1,3,5-Trimethylbenzene	11.439	105	3993	0.598	ug/l	96
78) 4-Chlorotoluene	11.439	91	4328	0.620	ug/l	96
79) tert-butylbenzene	11.701	119	4856	0.747	ug/l	96
80) 1,2,4-Trimethylbenzene	11.738	105	4340	0.651	ug/l	95
81) sec-Butylbenzene	11.872	105	10338	1.301	ug/l	100
82) p-Isopropyltoluene	11.994	119	8931	1.355	ug/l	99
83) 1,3-Dichlorobenzene	11.957	146	3106	0.832	ug/l	99
84) 1,4-Dichlorobenzene	12.024	146	3393	0.902	ug/l	92
85) n-Butylbenzene	12.317	91	12915	2.115	ug/l	100
86) Hexachloroethane	12.518	117	1331	1.261	ug/l	87
87) 1,2-Dichlorobenzene	12.323	146	2371	0.663	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.927	75	326	0.659	ug/l #	46
89) 1,2,4-Trichlorobenzene	13.939	180	7062	3.265	ug/l	95
90) Hexachlorobutadiene	13.707	225	7552	15.908	ug/l #	77
91) Naphthalene	13.756	128	15223	2.253	ug/l	96
92) 1,2,3-Trichlorobenzene	13.939	180	7062	3.356	ug/l	92

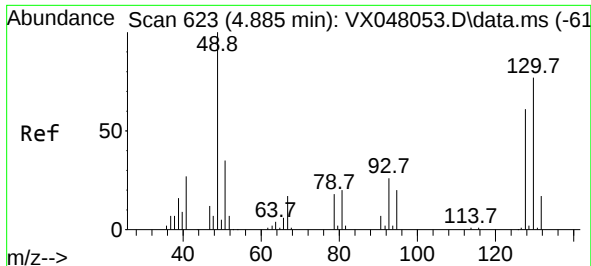
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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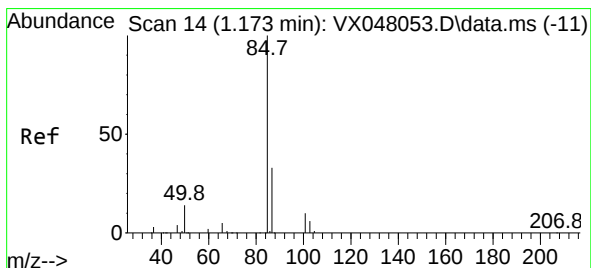
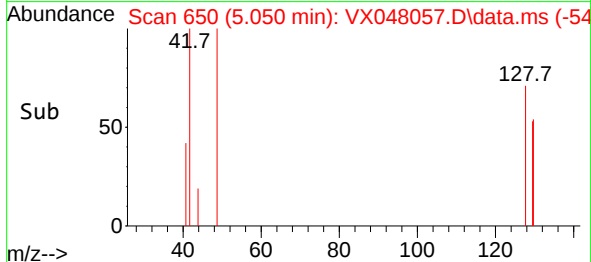
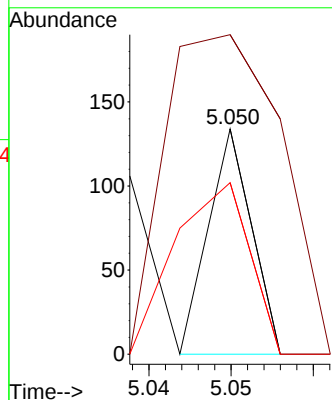
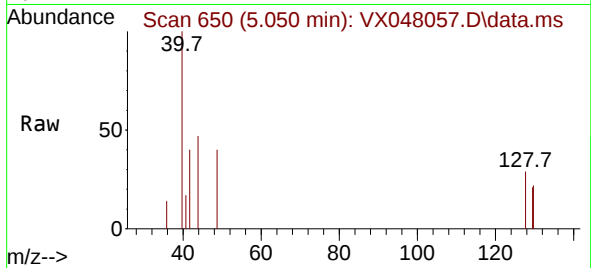




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.165 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

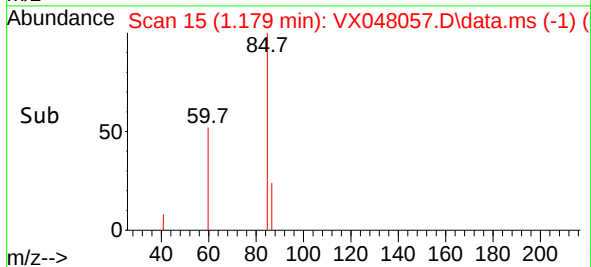
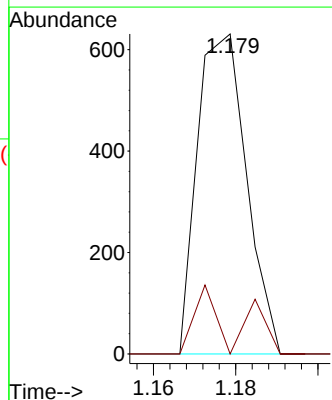
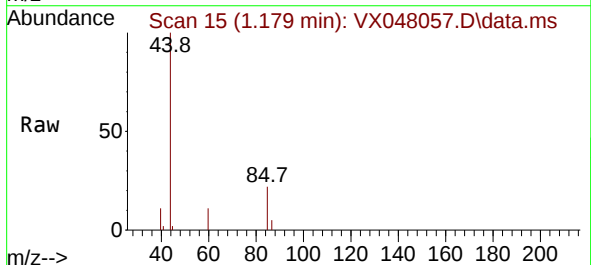
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ClientSampleId :
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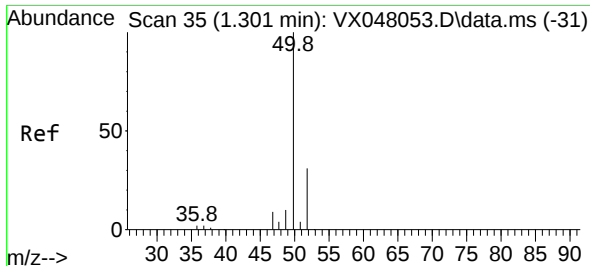
Tgt Ion:	128	Resp:	49
Ion	Ratio	Lower	Upper
128	100		
49	383.7	0.0	601.2
130	132.7	0.0	286.0



#2
Dichlorodifluoromethane
Concen: 135.155 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion:	85	Resp:	523
Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.6	49.8#

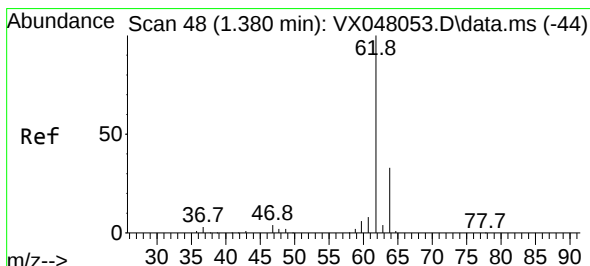
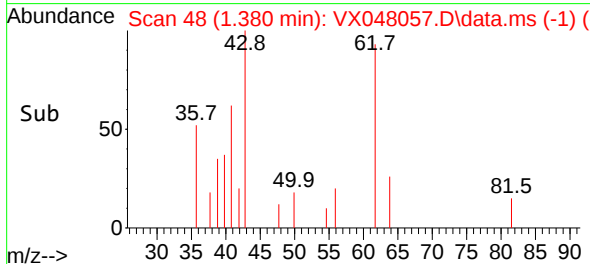
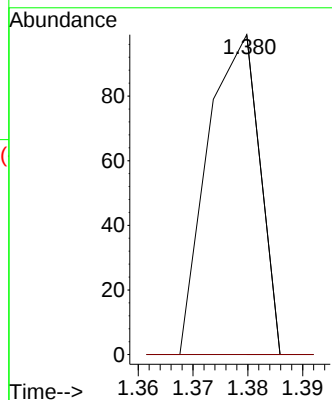
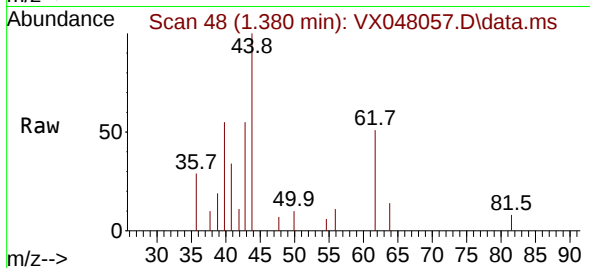




#3
Chloromethane
Concen: 15.358 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.079 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

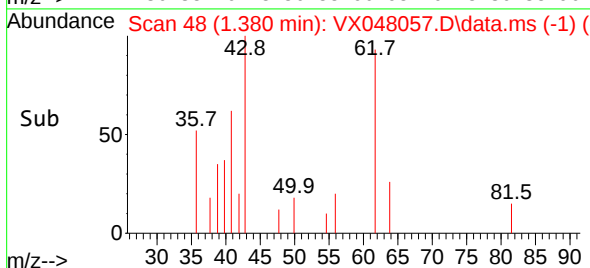
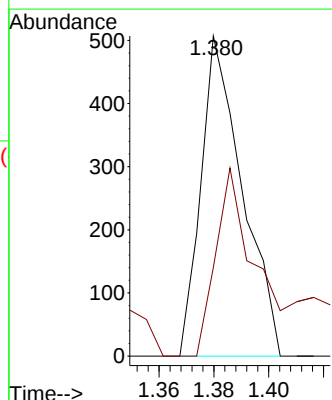
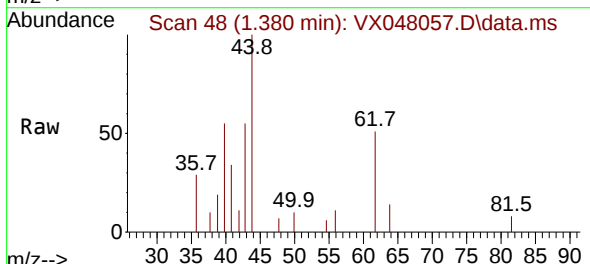
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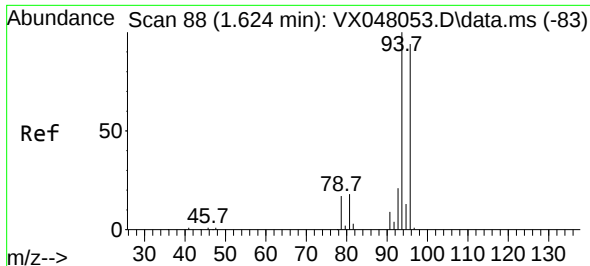
Tgt Ion: 50 Resp: 65
Ion Ratio Lower Upper
50 100
52 0.0 24.9 37.3#



#4
Vinyl Chloride
Concen: 124.922 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 62 Resp: 531
Ion Ratio Lower Upper
62 100
64 27.6 27.4 41.2

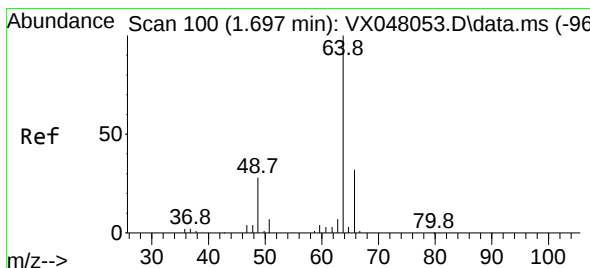
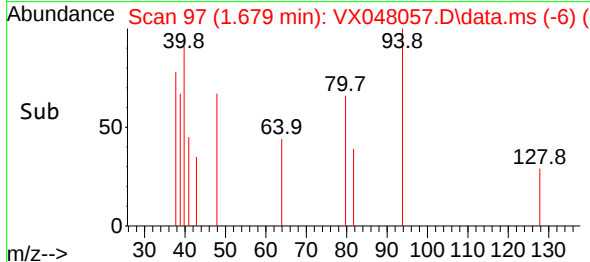
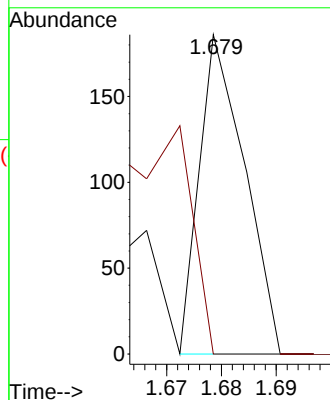
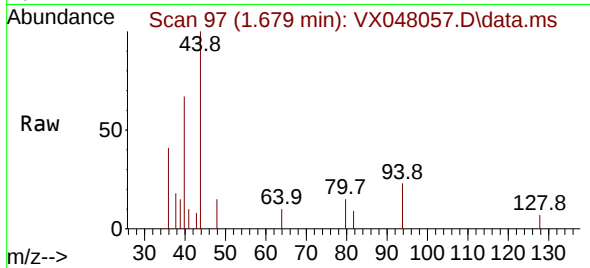




#5
Bromomethane
Concen: 44.807 ug/l
RT: 1.679 min Scan# 91
Delta R.T. 0.055 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

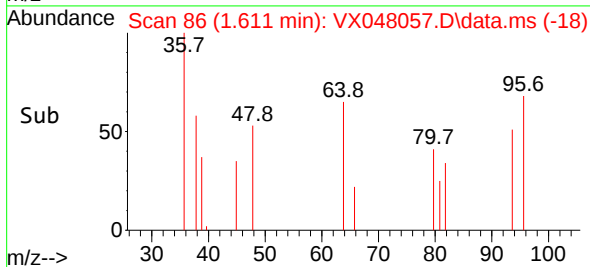
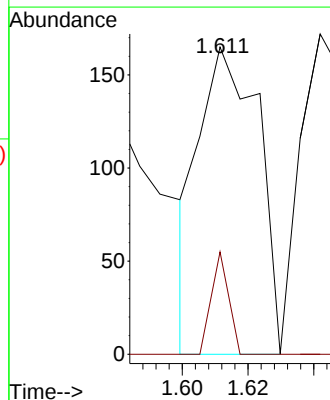
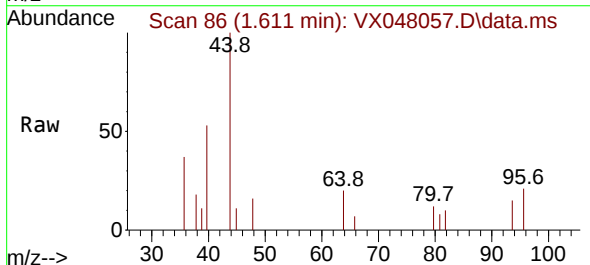
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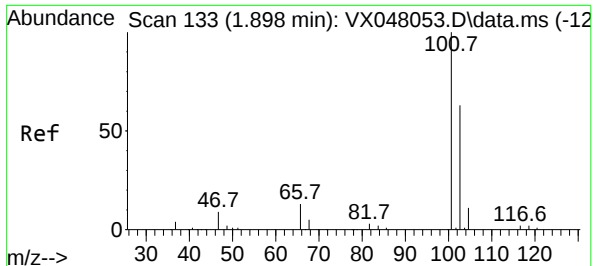
Tgt Ion: 94 Resp: 107
Ion Ratio Lower Upper
94 100
96 0.0 67.8 101.6#



#6
Chloroethane
Concen: 75.729 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.085 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 33.3 24.9 37.3

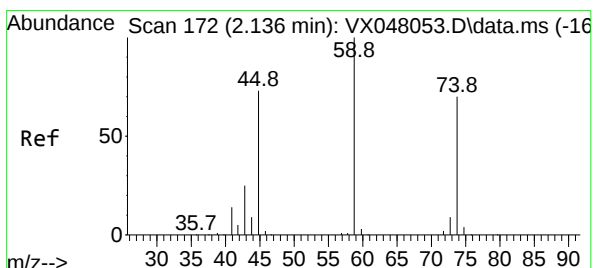
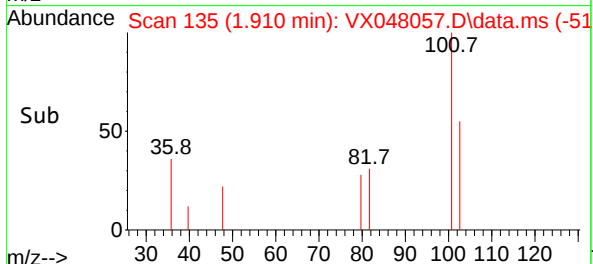
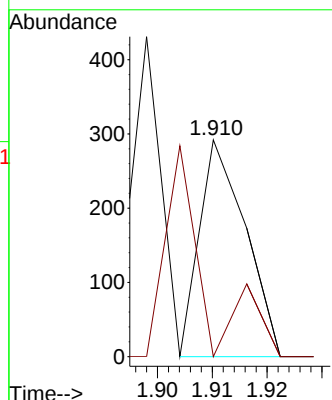
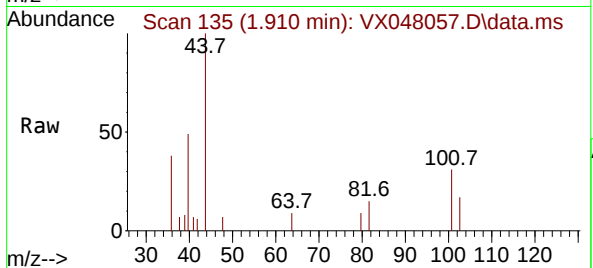




#7
 Trichlorofluoromethane
 Concen: 28.516 ug/l
 RT: 1.910 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX048057.D
 Acq: 07 Oct 2025 18:45

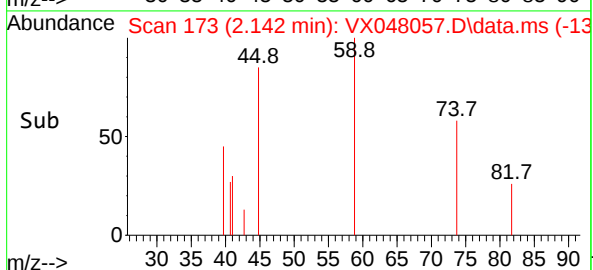
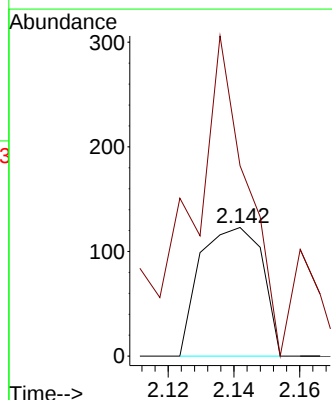
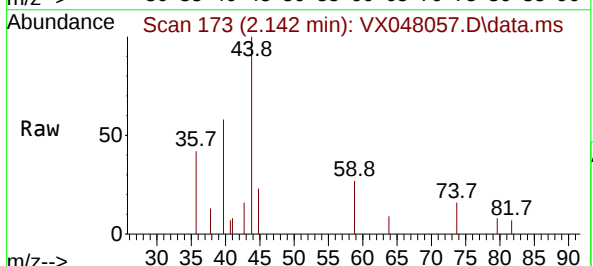
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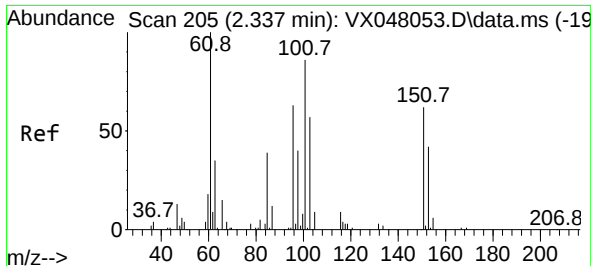
Tgt Ion:101 Resp: 170
 Ion Ratio Lower Upper
 101 100
 103 0.0 50.6 76.0#



#8
 Diethyl Ether
 Concen: 69.853 ug/l
 RT: 2.142 min Scan# 173
 Delta R.T. 0.006 min
 Lab File: VX048057.D
 Acq: 07 Oct 2025 18:45

Tgt Ion: 74 Resp: 162
 Ion Ratio Lower Upper
 74 100
 45 200.0 20.8 187.2#

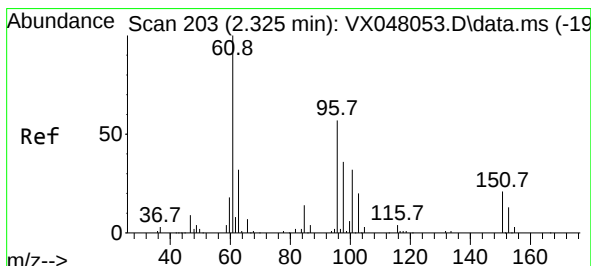
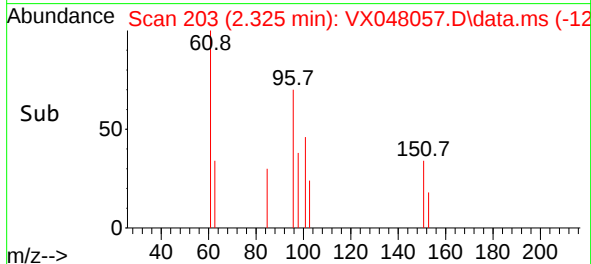
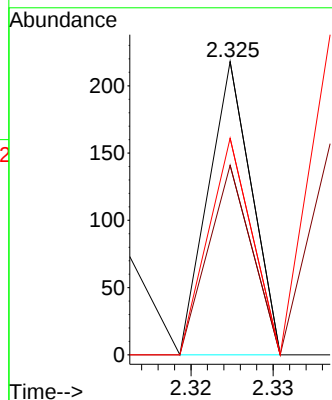
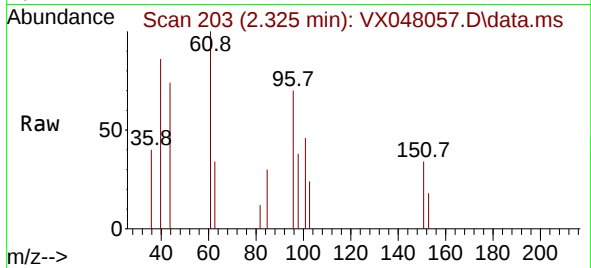




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 24.894 ug/l
 RT: 2.325 min Scan# 205
 Delta R.T. -0.012 min
 Lab File: VX048057.D
 Acq: 07 Oct 2025 18:45

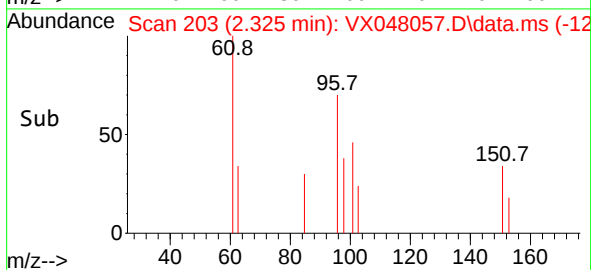
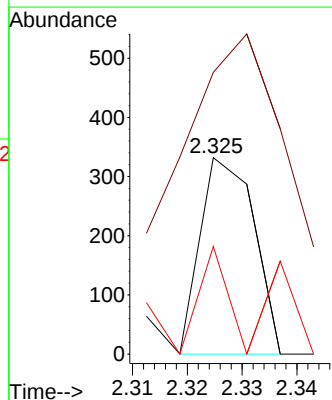
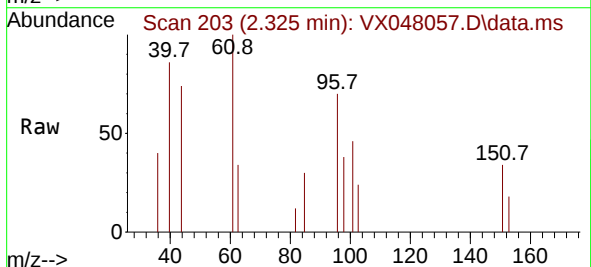
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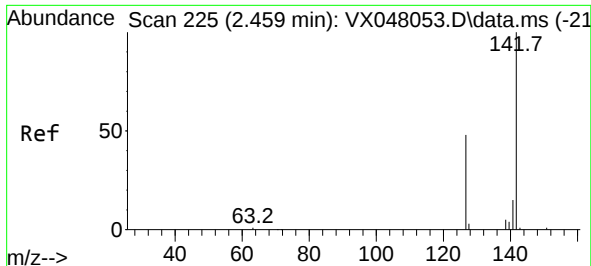
Tgt Ion:101 Resp: 80
 Ion Ratio Lower Upper
 101 100
 85 65.0 0.0 88.2
 151 73.8 0.0 141.0



#10
 1,1-Dichloroethene
 Concen: 65.549 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX048057.D
 Acq: 07 Oct 2025 18:45

Tgt Ion: 96 Resp: 226
 Ion Ratio Lower Upper
 96 100
 61 43.1 133.4 200.2#
 98 54.8 49.8 74.6





#11

Methyl Iodide

Concen: 183.007 ug/l

RT: 2.465 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

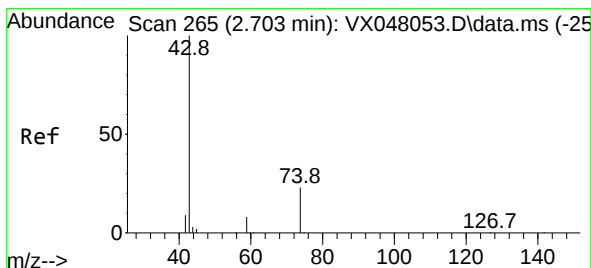
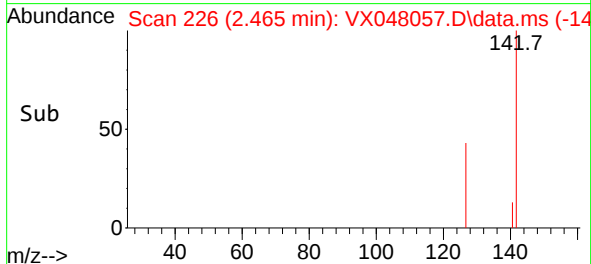
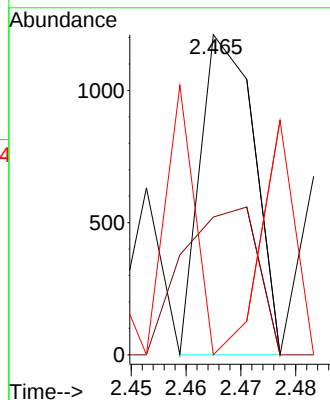
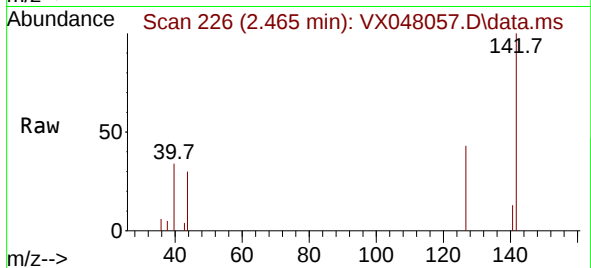
Tgt Ion:142 Resp: 824

Ion Ratio Lower Upper

142 100

127 27.4 24.1 72.4

141 21.3 7.2 21.7



#12

Methyl Acetate

Concen: 124.480 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX048057.D

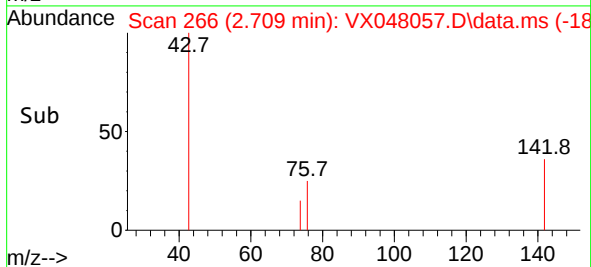
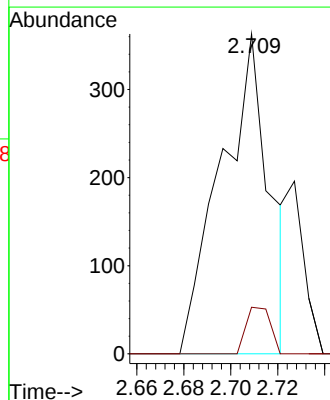
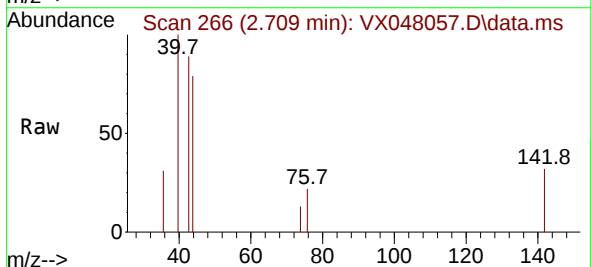
Acq: 07 Oct 2025 18:45

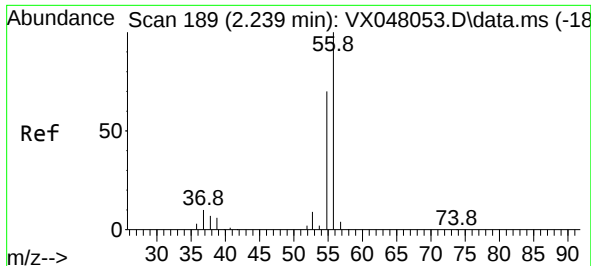
Tgt Ion: 43 Resp: 518

Ion Ratio Lower Upper

43 100

74 19.0 18.2 27.4

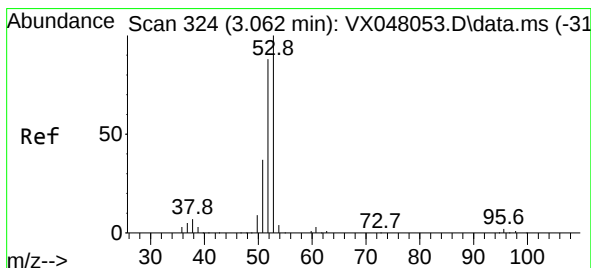
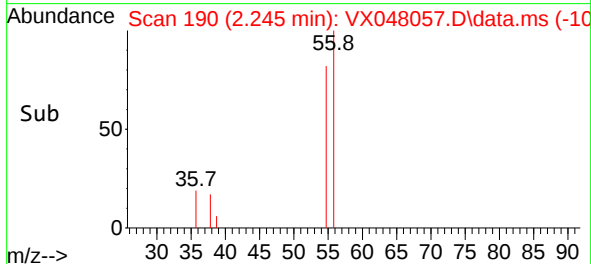
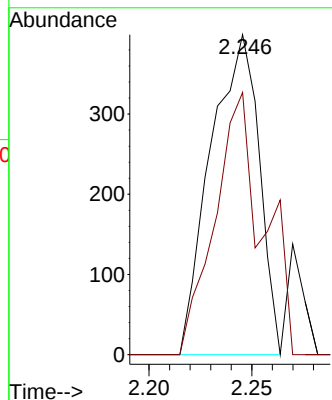
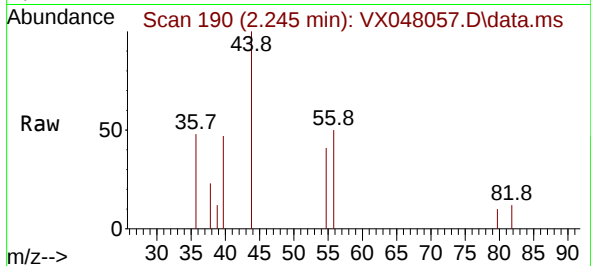




#13
Acrolein
Concen: 937.079 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

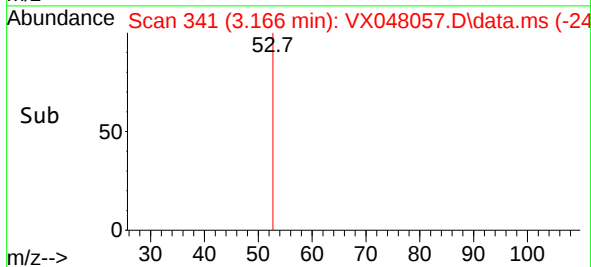
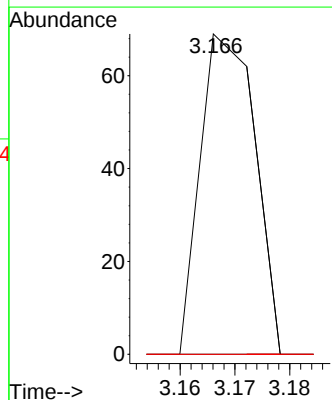
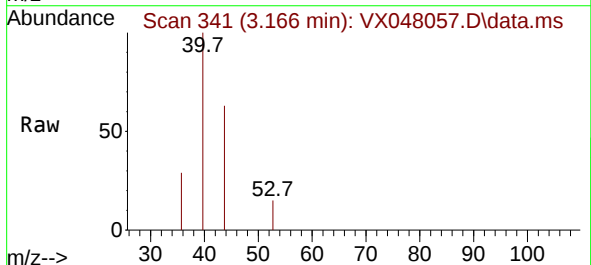
Instrument :
MSVOA_X
ClientSampleId :
IBLK

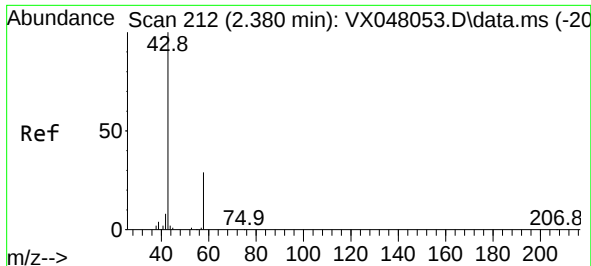
Tgt Ion: 56 Resp: 654
Ion Ratio Lower Upper
56 100
55 62.1 57.0 85.6



#14
Acrylonitrile
Concen: 24.654 ug/l
RT: 3.166 min Scan# 341
Delta R.T. 0.104 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 53 Resp: 48
Ion Ratio Lower Upper
53 100
52 0.0 41.8 125.3#
51 0.0 18.6 56.0#

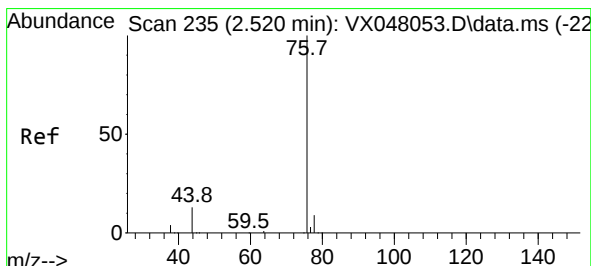
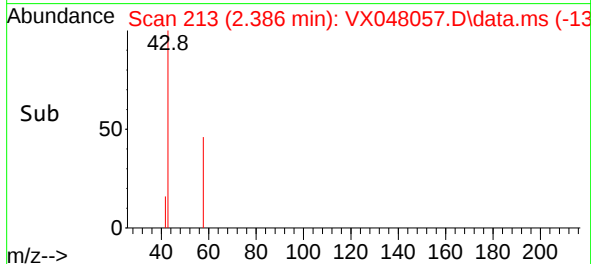
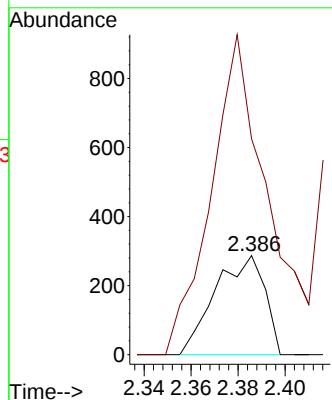
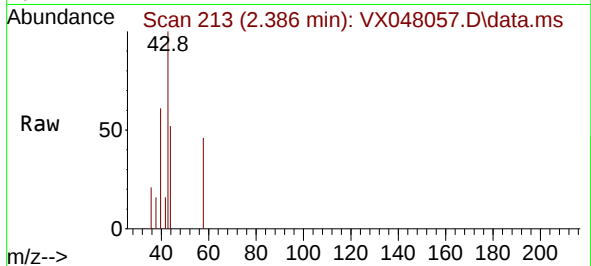




#15
Acetone
Concen: 916.231 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

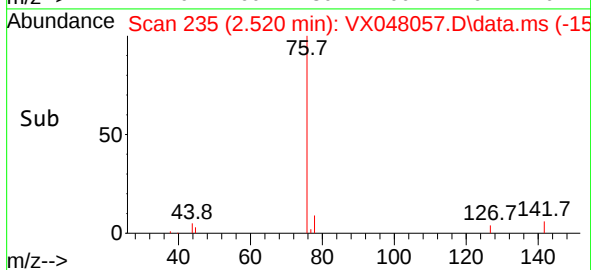
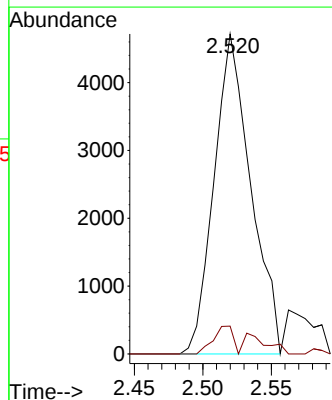
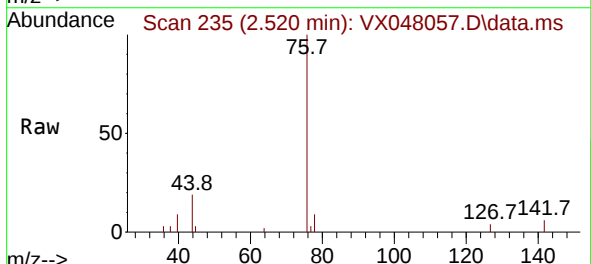
Instrument :
MSVOA_X
ClientSampleId :
IBLK

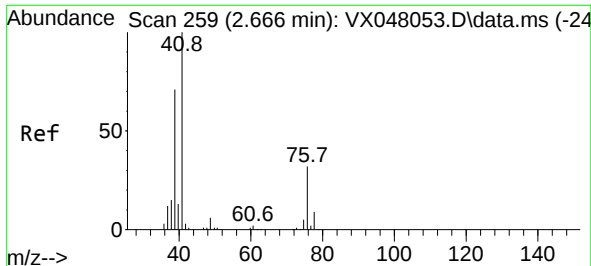
Tgt Ion: 58 Resp: 422
Ion Ratio Lower Upper
58 100
43 167.6 280.7 421.1#



#16
Carbon Disulfide
Concen: 820.343 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 76 Resp: 8790
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0

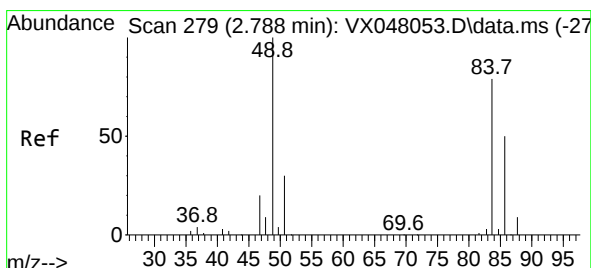
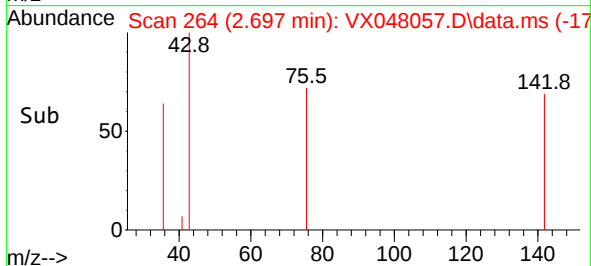
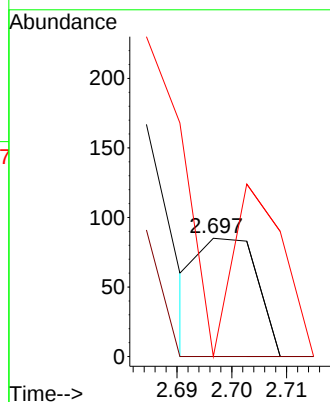
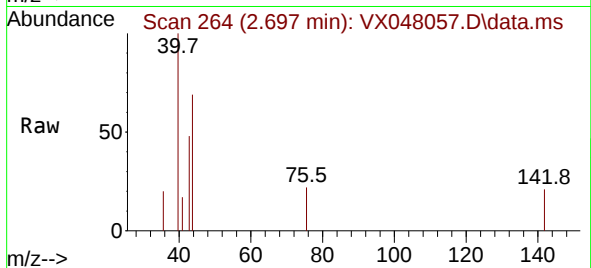




#17
 Allyl chloride
 Concen: 9.584 ug/l
 RT: 2.697 min Scan# 264
 Delta R.T. 0.030 min
 Lab File: VX048057.D
 Acq: 07 Oct 2025 18:45

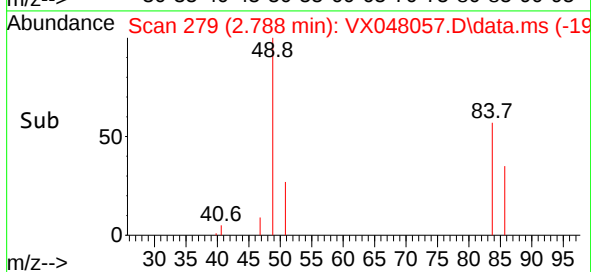
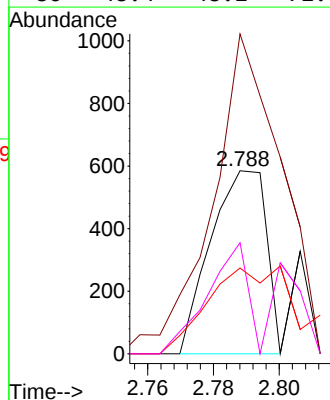
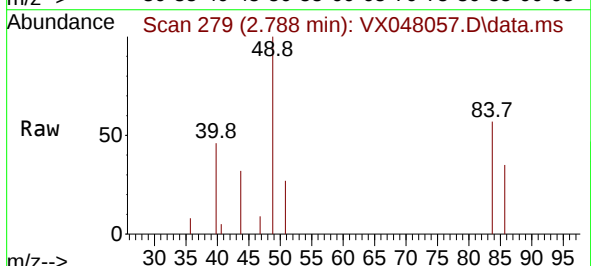
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

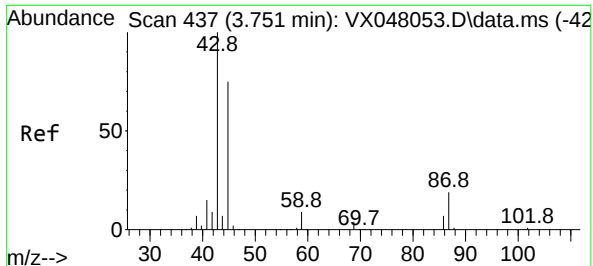
Tgt Ion: 41 Resp: 61
 Ion Ratio Lower Upper
 41 100
 39 572.9 35.0 105.1#
 76 0.0 17.8 53.5#



#18
 Methylene Chloride
 Concen: 163.263 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. -0.000 min
 Lab File: VX048057.D
 Acq: 07 Oct 2025 18:45

Tgt Ion: 84 Resp: 687
 Ion Ratio Lower Upper
 84 100
 49 142.4 100.9 151.3
 51 36.8 30.2 45.2
 86 48.4 48.2 72.4





#20

Diisopropyl ether

Concen: 5.359 ug/l

RT: 3.782 min Scan# 442

Delta R.T. 0.030 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 45 Resp: 71

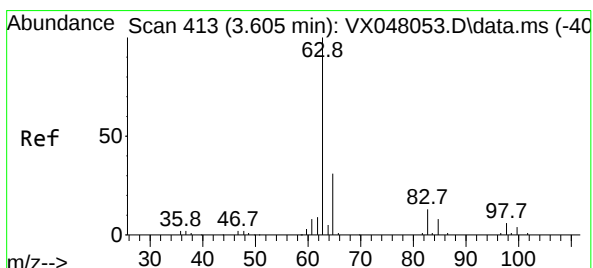
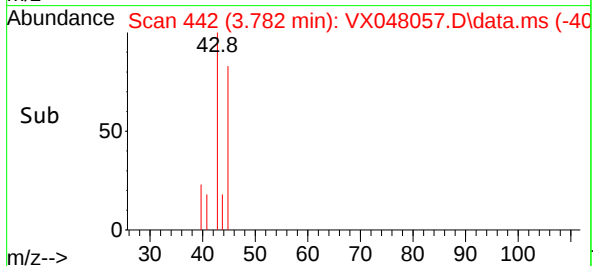
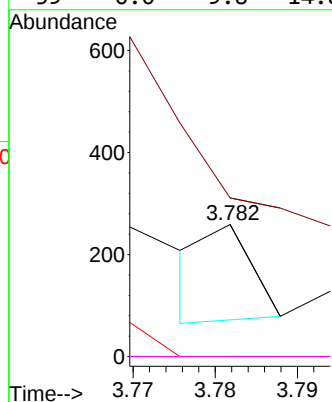
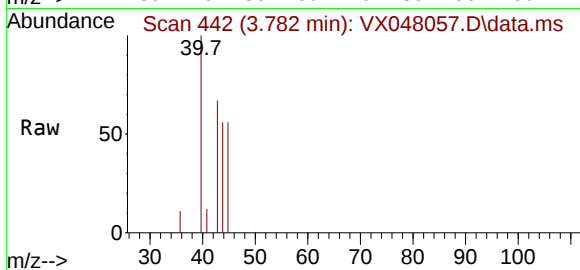
Ion Ratio Lower Upper

45 100

43 0.0 105.4 158.0#

87 0.0 19.7 29.5#

59 0.0 9.8 14.8#



#21

1,1-Dichloroethane

Concen: 13.994 ug/l

RT: 3.635 min Scan# 418

Delta R.T. 0.030 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

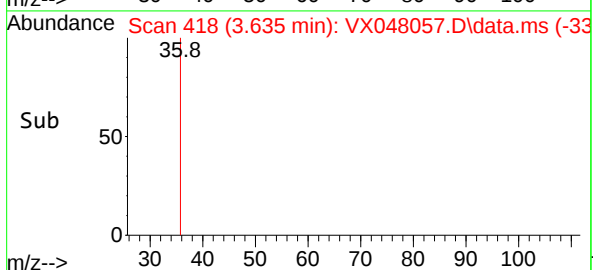
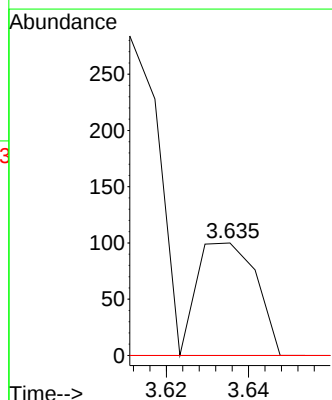
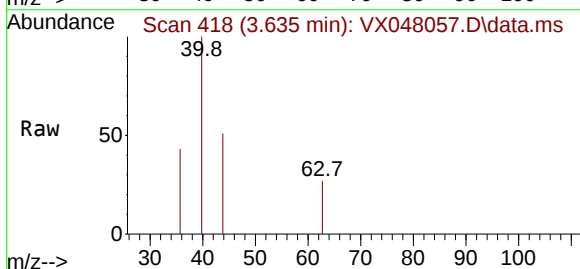
Tgt Ion: 63 Resp: 101

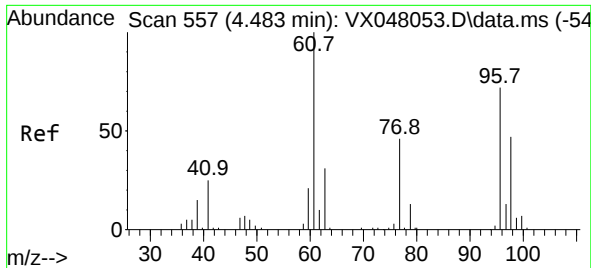
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.6#

100 0.0 2.0 5.8#

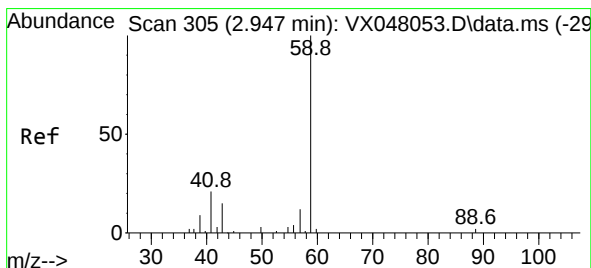
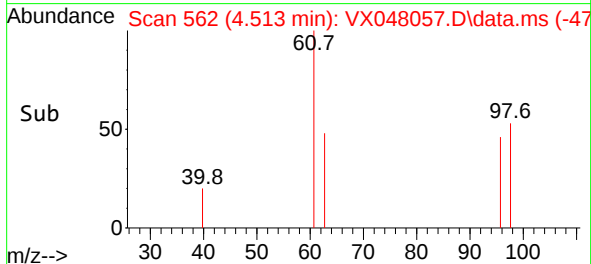
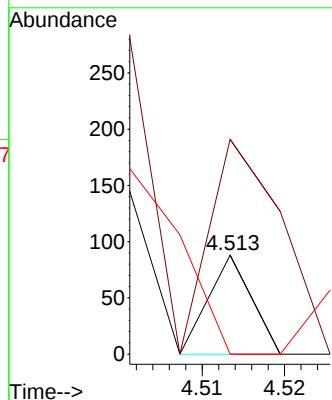
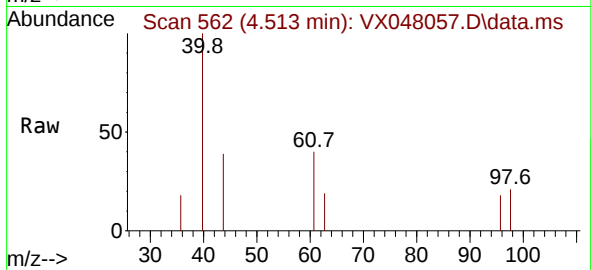




#22
cis-1,2-Dichloroethene
Concen: 7.206 ug/l
RT: 4.513 min Scan# 50
Delta R.T. 0.030 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

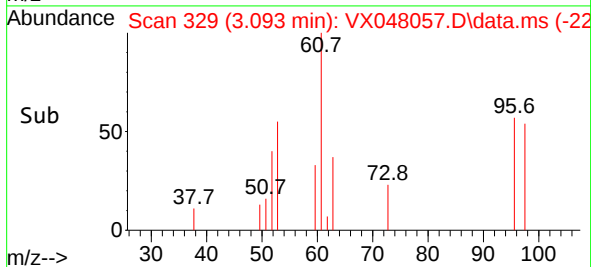
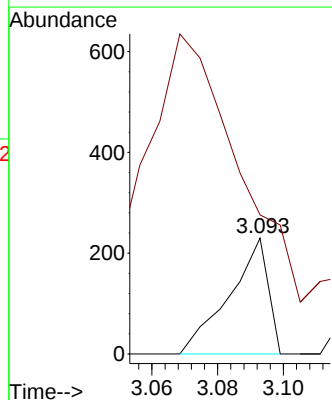
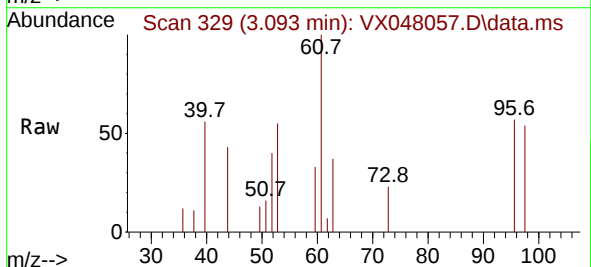
Instrument :
MSVOA_X
ClientSampleId :
IBLK

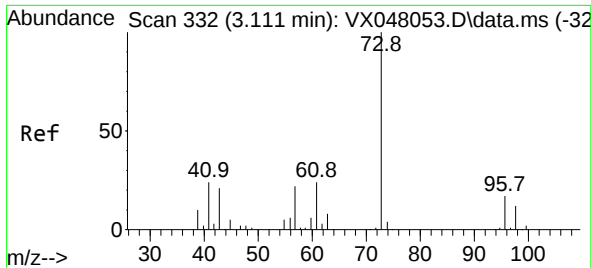
Tgt Ion: 96 Resp: 32
Ion Ratio Lower Upper
96 100
61 362.5 121.4 182.0#
98 0.0 19.6 29.4#



#23
tert-Butyl Alcohol
Concen: 397.028 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.146 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
52 738.6 0.1 0.1#

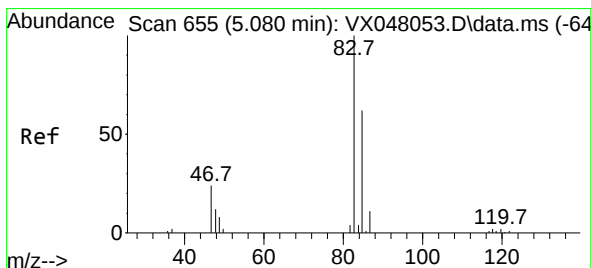
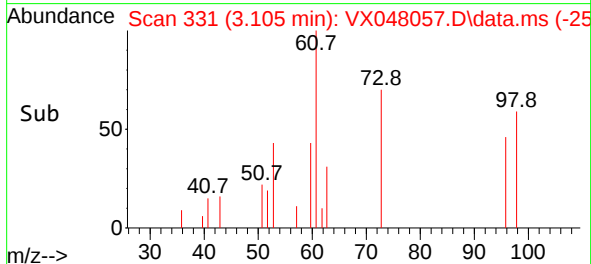
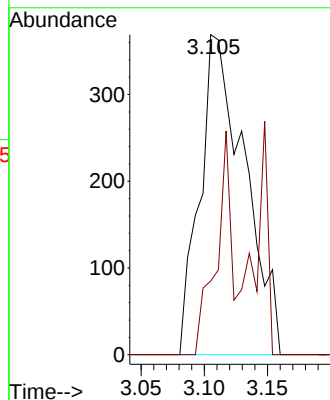
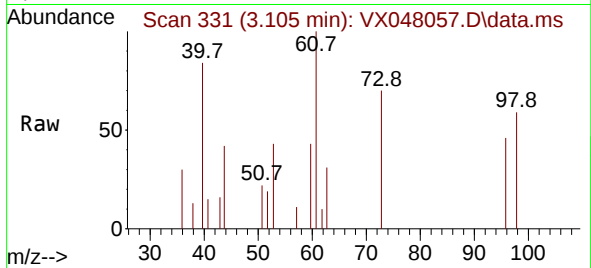




#24
Methyl tert-Butyl Ether
Concen: 75.227 ug/l
RT: 3.105 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

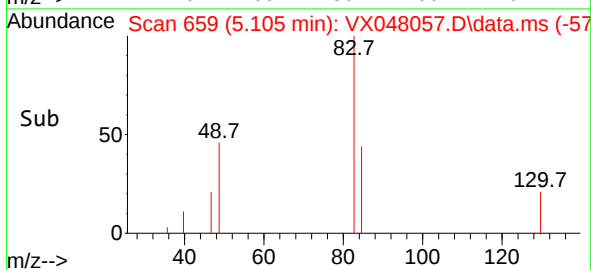
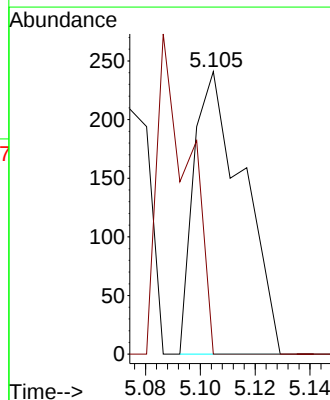
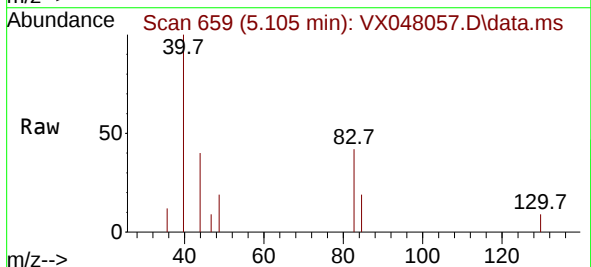
Instrument :
MSVOA_X
ClientSampleId :
IBLK

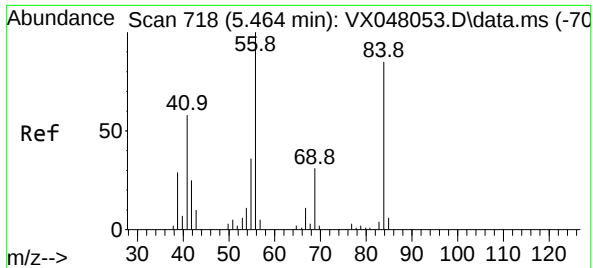
Tgt Ion: 73 Resp: 910
Ion Ratio Lower Upper
73 100
43 9.9 17.1 25.7#



#25
Chloroform
Concen: 41.441 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.024 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 83 Resp: 302
Ion Ratio Lower Upper
83 100
85 0.0 50.3 75.5#

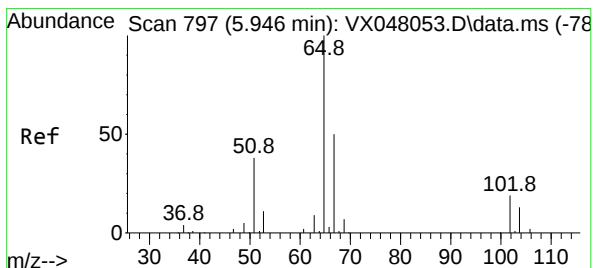
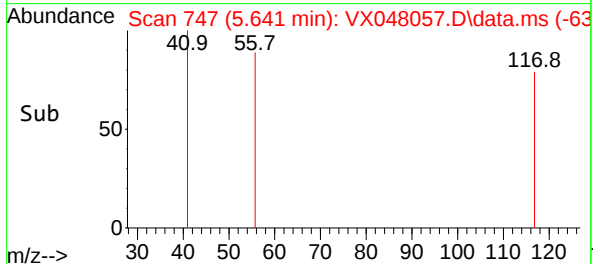
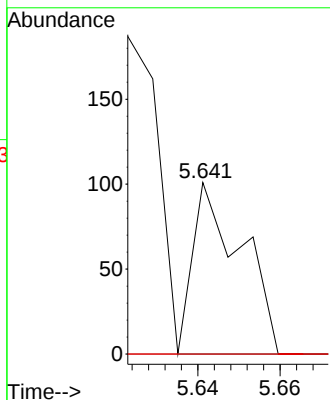
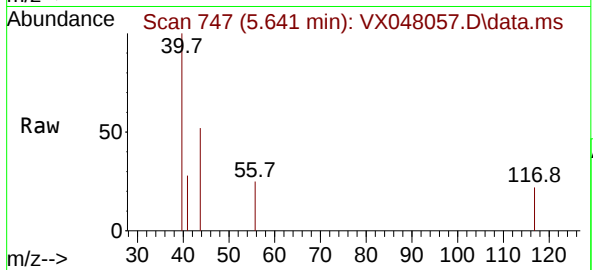




#26
Cyclohexane
Concen: 14.632 ug/l
RT: 5.641 min Scan# 718
Delta R.T. 0.177 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

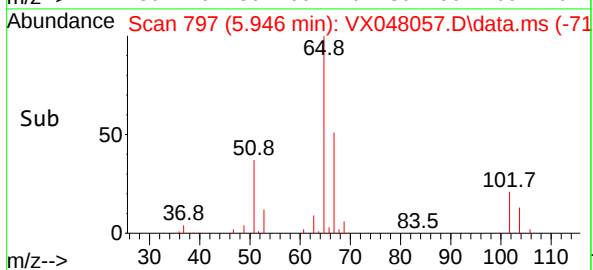
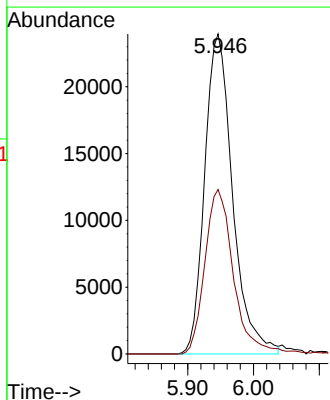
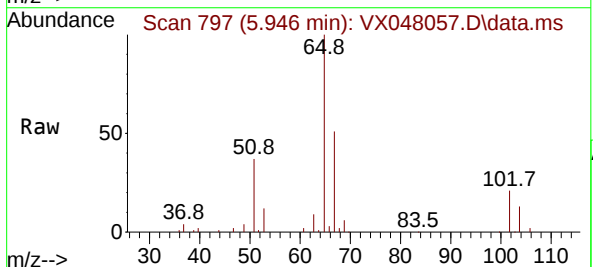
Instrument :
MSVOA_X
ClientSampleId :
IBLK

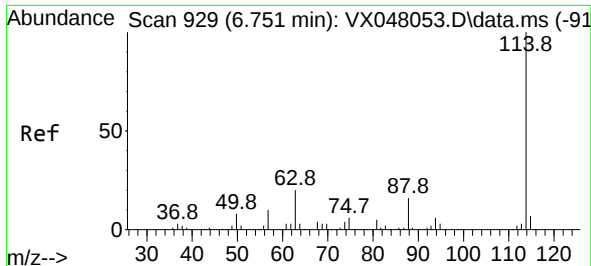
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 0.0 66.6 100.0#



#27
1,2-Dichloroethane-d4
Concen: 14502.103 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 65 Resp: 70741
Ion Ratio Lower Upper
65 100
67 52.3 41.0 61.4

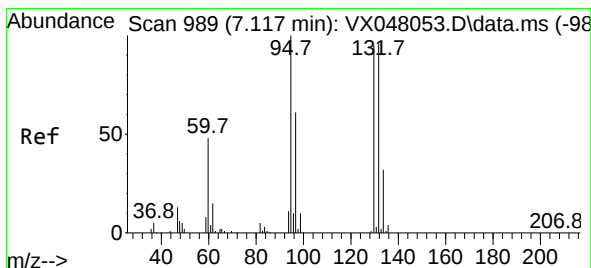
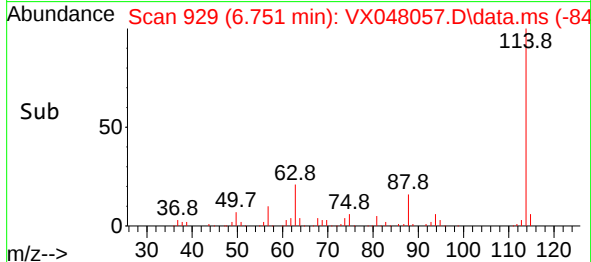
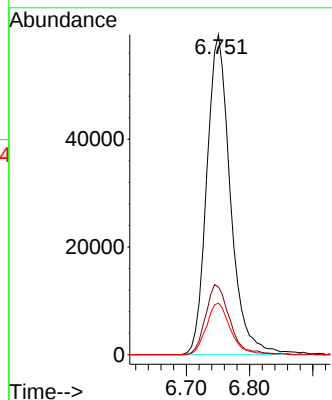
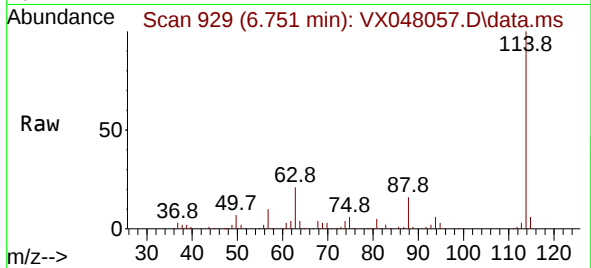




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.751 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

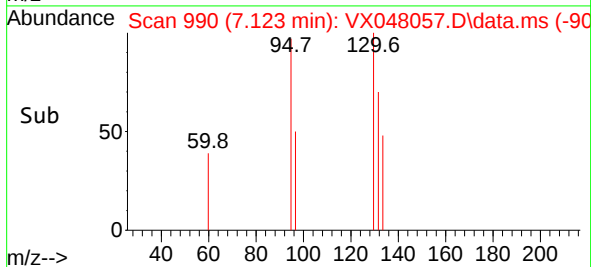
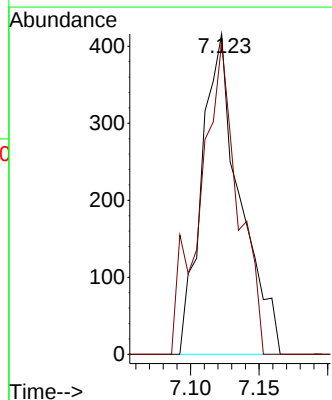
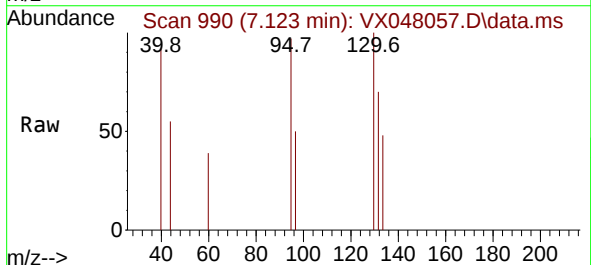
Instrument :
MSVOA_X
ClientSampleId :
IBLK

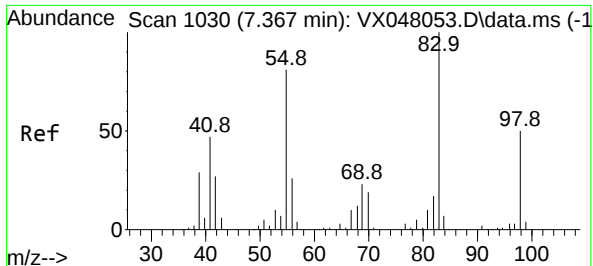
Tgt Ion:114 Resp: 153921
Ion Ratio Lower Upper
114 100
63 22.3 17.4 26.0
88 16.4 12.8 19.2



#37
Trichloroethene
Concen: 0.450 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion:130 Resp: 810
Ion Ratio Lower Upper
130 100
95 97.4 84.6 126.8





#38

Methylcyclohexane

Concen: 0.868 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

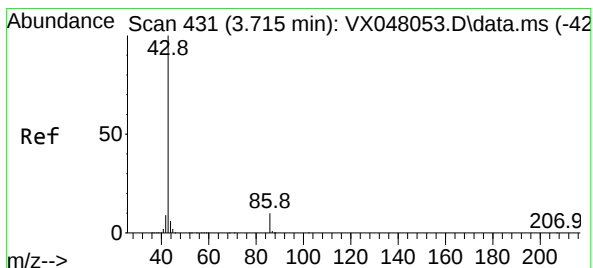
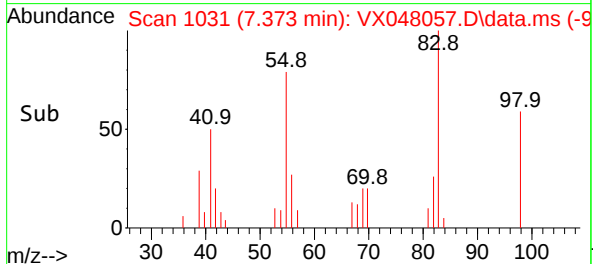
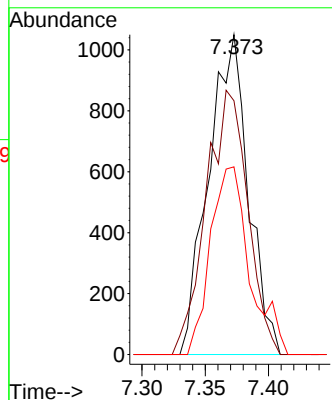
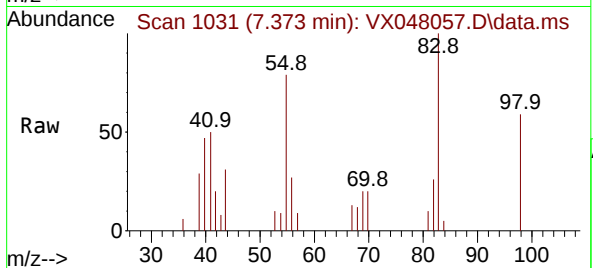
Tgt Ion: 83 Resp: 2302

Ion Ratio Lower Upper

83 100

55 86.3 41.3 123.9

98 53.7 24.9 74.7



#42

Vinyl Acetate

Concen: 0.817 ug/l

RT: 3.727 min Scan# 433

Delta R.T. 0.012 min

Lab File: VX048057.D

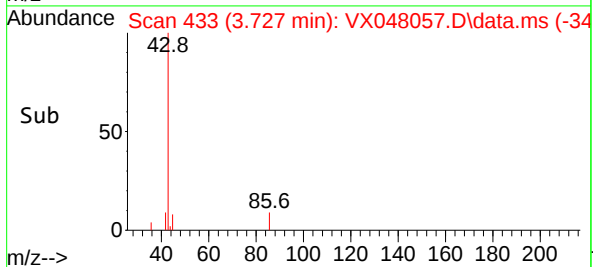
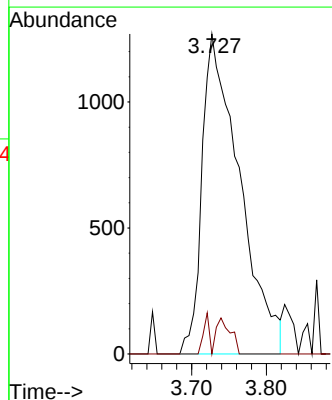
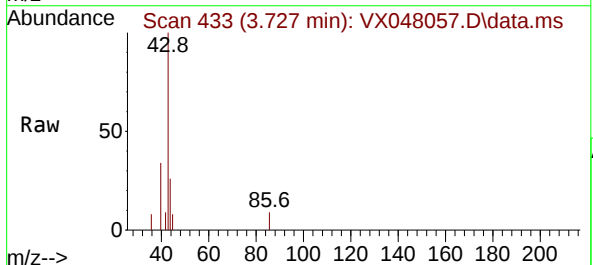
Acq: 07 Oct 2025 18:45

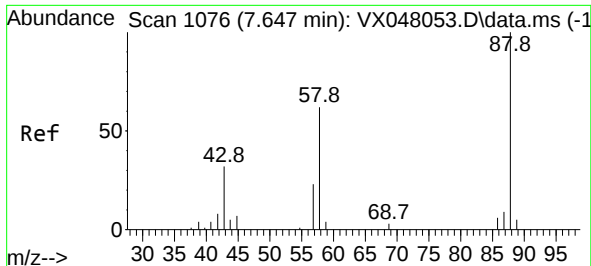
Tgt Ion: 43 Resp: 4418

Ion Ratio Lower Upper

43 100

86 1.9 7.1 10.7#

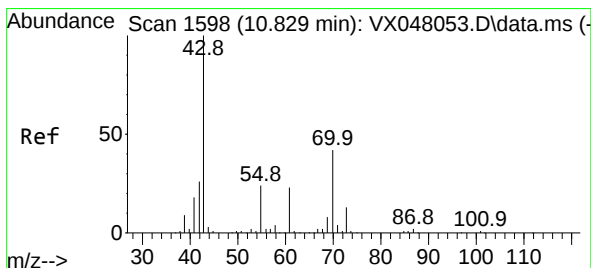
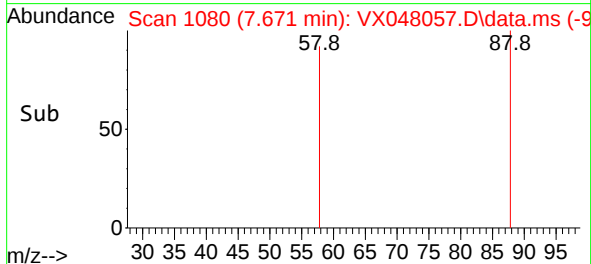
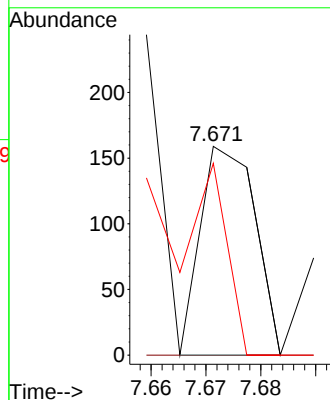
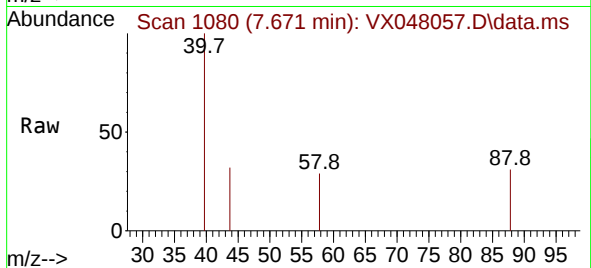




#45
1,4-Dioxane
Concen: 4.407 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.024 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

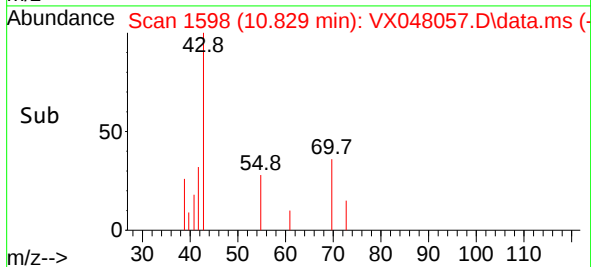
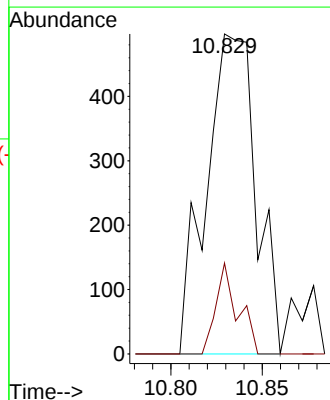
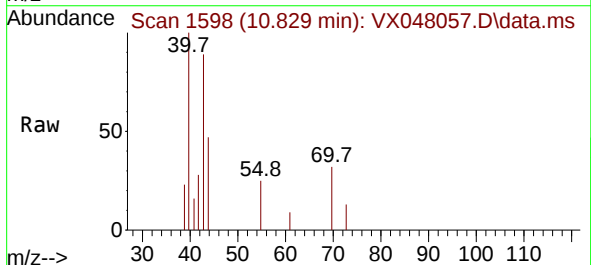
Instrument :
MSVOA_X
ClientSampleId :
IBLK

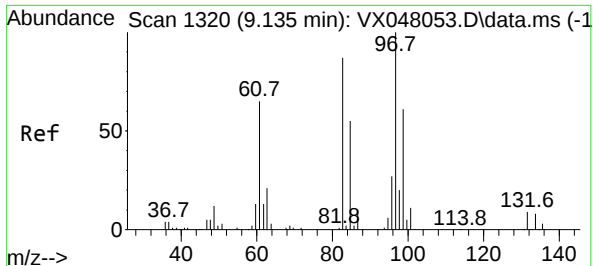
Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 0.0 20.3 30.5#
58 48.2 57.4 86.0#



#47
n-amy1 Acetate
Concen: 0.267 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
55 12.5 19.4 29.0#

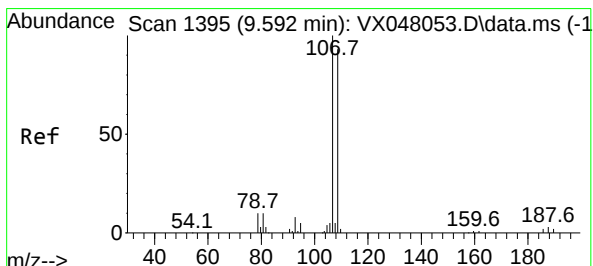
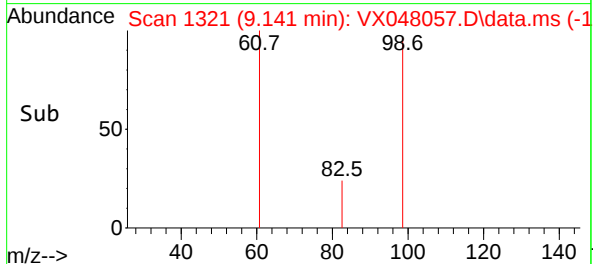
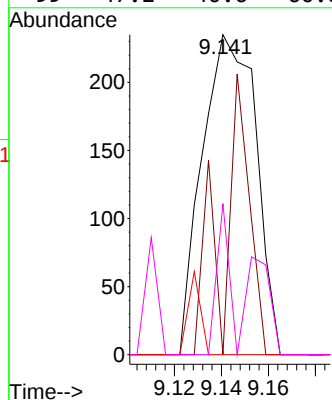
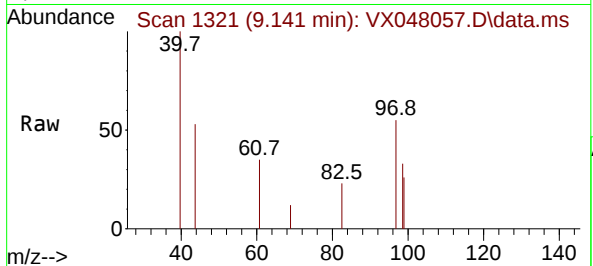




#50
1,1,2-Trichloroethane
Concen: 0.207 ug/l
RT: 9.141 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

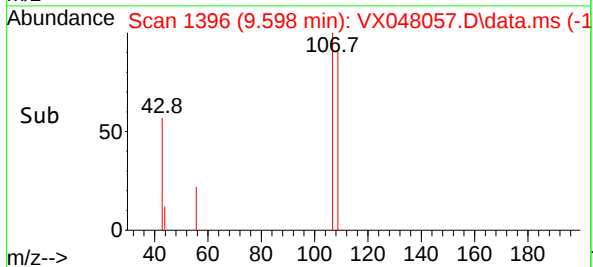
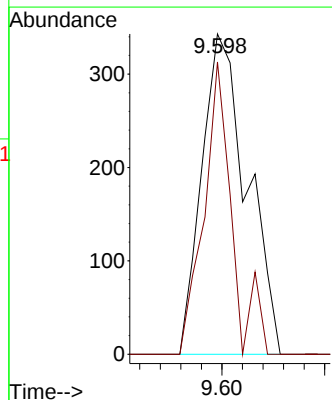
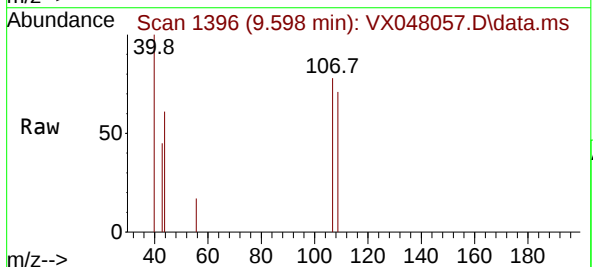
Instrument :
MSVOA_X
ClientSampleId :
IBLK

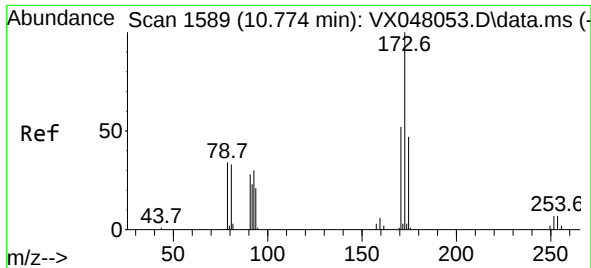
Tgt Ion: 97 Resp: 373
Ion Ratio Lower Upper
97 100
83 0.0 58.9 88.3#
85 0.0 36.8 55.2#
99 47.2 40.6 60.8



#54
1,2-Dibromoethane
Concen: 0.284 ug/l
RT: 9.598 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 107 Resp: 524
Ion Ratio Lower Upper
107 100
109 50.0 75.2 112.8#

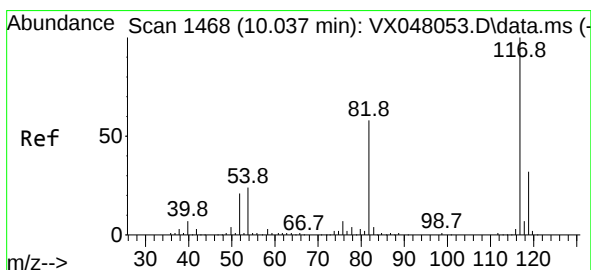
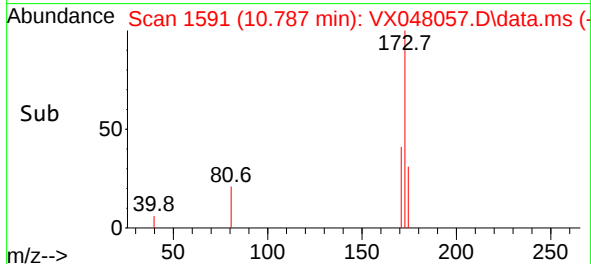
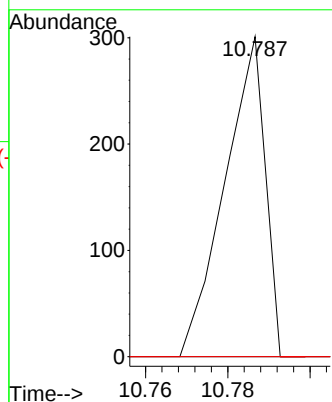
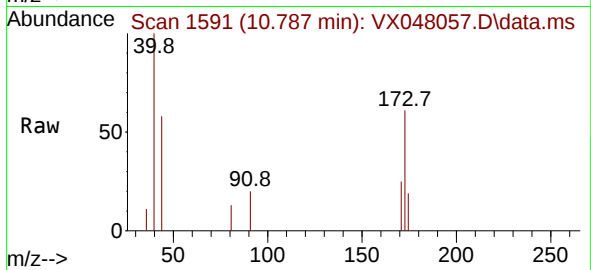




#56
Bromoform
Concen: 11.146 ug/l
RT: 10.787 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

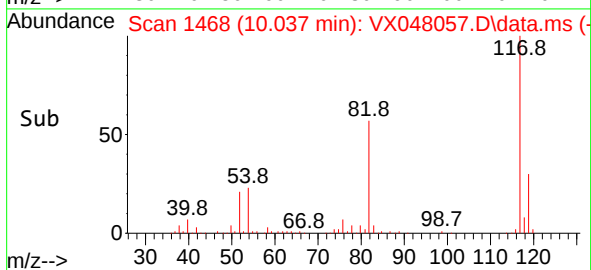
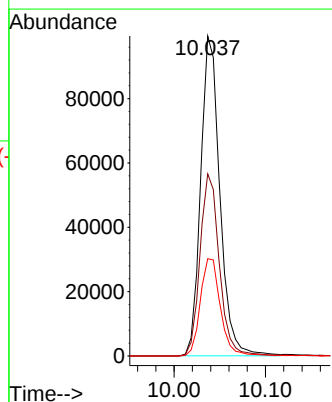
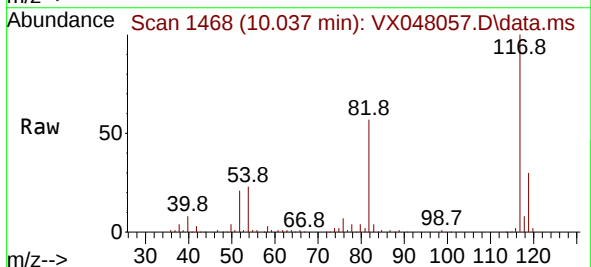
Instrument :
MSVOA_X
ClientSampleId :
IBLK

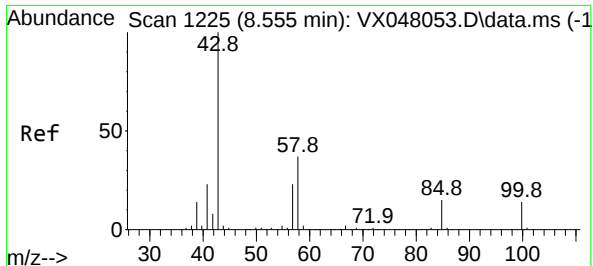
Tgt Ion:173 Resp: 206
Ion Ratio Lower Upper
173 100
175 0.0 281.0 421.6#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion:117 Resp: 144792
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 31.8 25.6 38.4





#58

4-Methyl-2-Pentanone

Concen: 0.867 ug/l

RT: 8.568 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

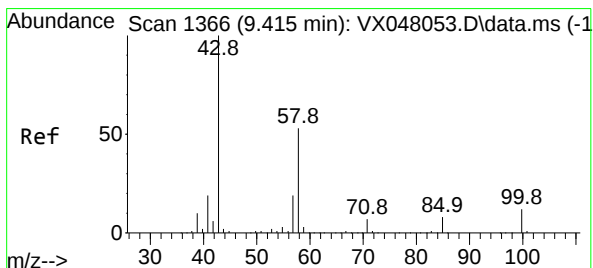
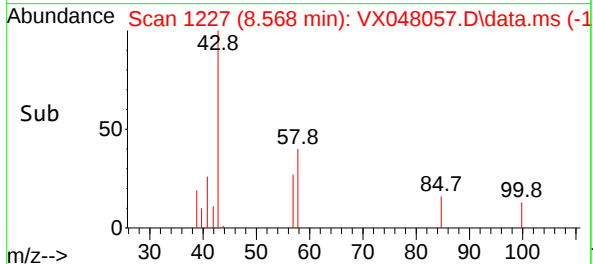
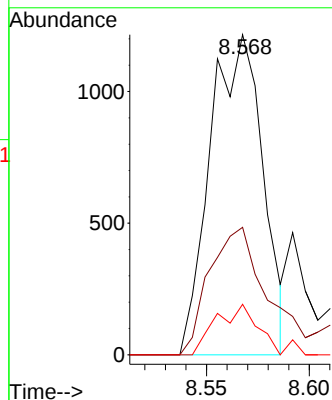
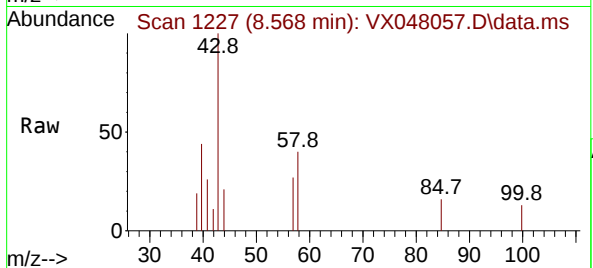
Tgt Ion: 43 Resp: 2171

Ion Ratio Lower Upper

43 100

58 43.3 29.5 44.3

85 12.4 12.8 19.2#



#59

2-Hexanone

Concen: 0.973 ug/l

RT: 9.421 min Scan# 1367

Delta R.T. 0.006 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

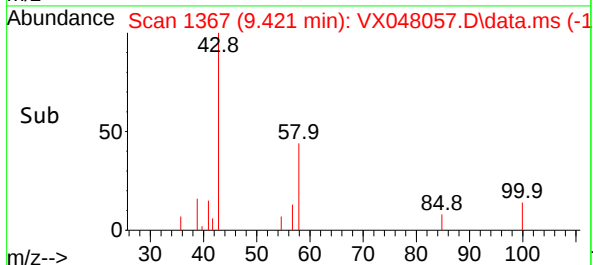
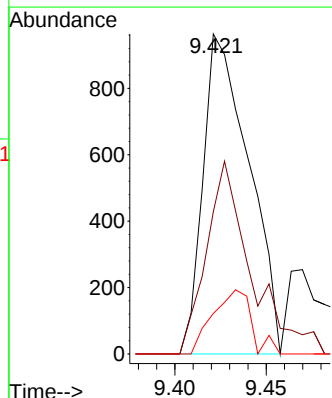
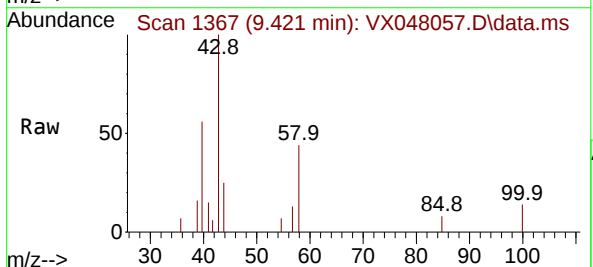
Tgt Ion: 43 Resp: 1682

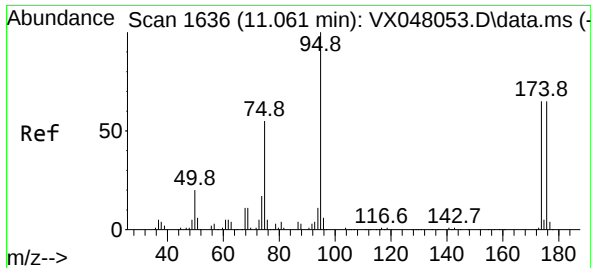
Ion Ratio Lower Upper

43 100

58 57.3 42.2 63.2

57 15.7 14.2 21.4

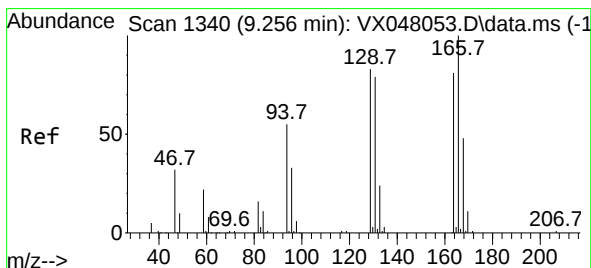
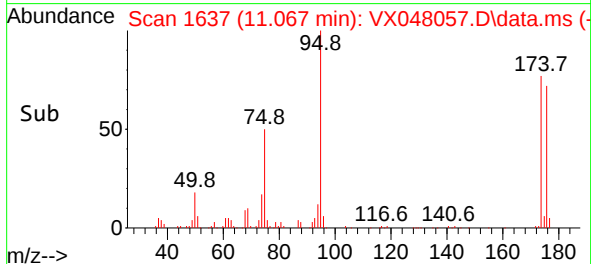
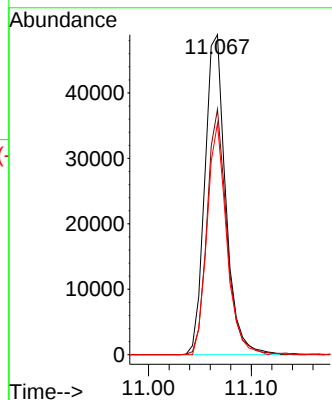
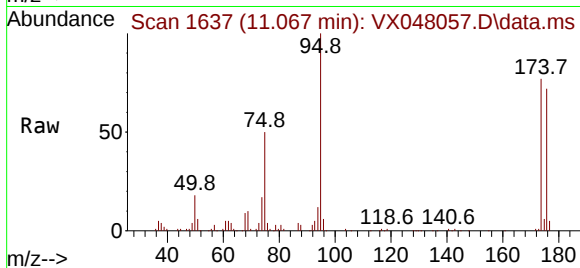




#60
4-Bromofluorobenzene
Concen: 29.109 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

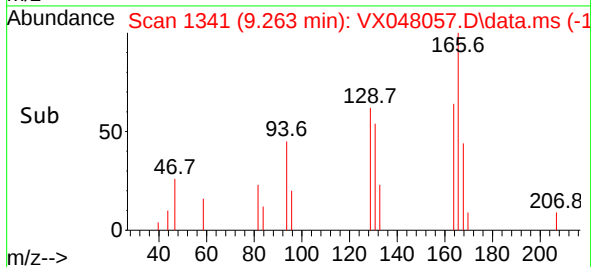
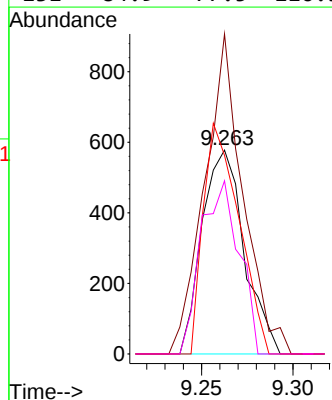
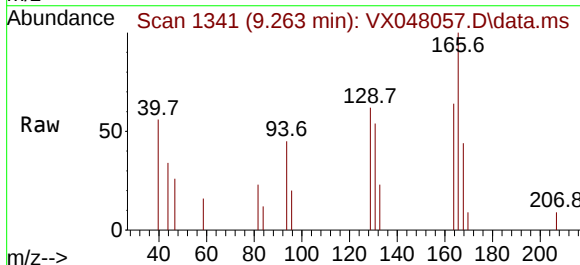
Instrument :
MSVOA_X
ClientSampleId :
IBLK

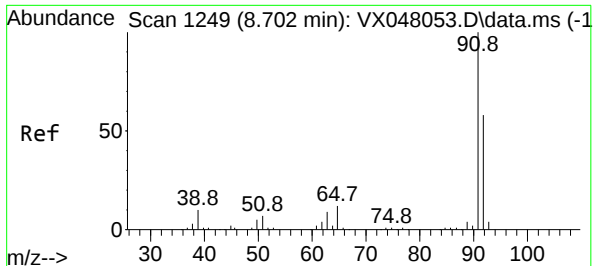
Tgt Ion: 95 Resp: 68944
Ion Ratio Lower Upper
95 100
174 72.7 55.8 83.8
176 68.2 55.0 82.4



#61
Tetrachloroethene
Concen: 0.629 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 164 Resp: 928
Ion Ratio Lower Upper
164 100
166 143.9 97.3 145.9
129 97.4 81.6 122.4
131 84.9 77.5 116.3





#62

Toluene

Concen: 0.257 ug/l

RT: 8.708 min Scan# 1249

Delta R.T. 0.006 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

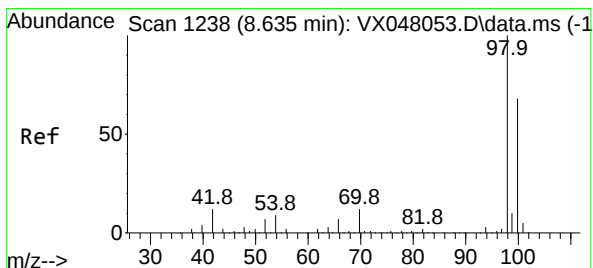
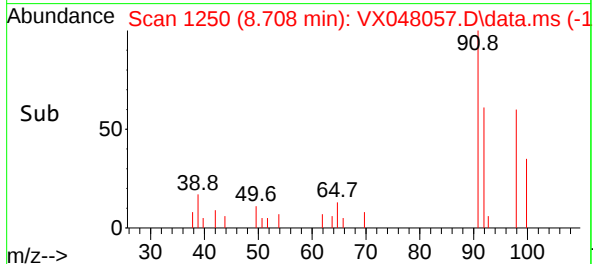
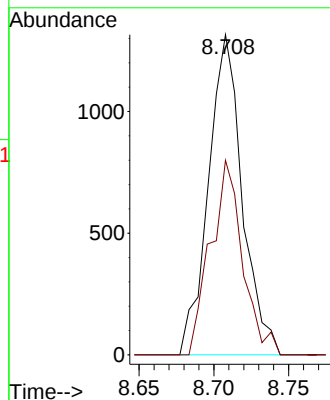
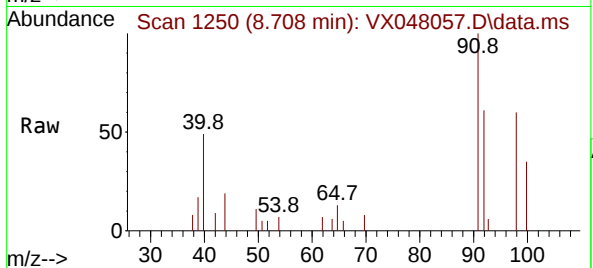
IBLK

Tgt Ion: 91 Resp: 2068

Ion Ratio Lower Upper

91 100

92 57.5 47.1 70.7



#63

Toluene-d8

Concen: 29.225 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048057.D

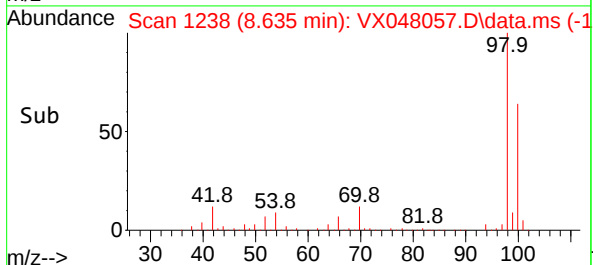
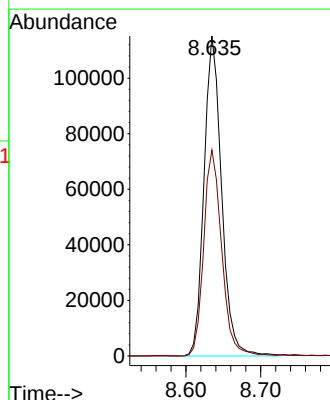
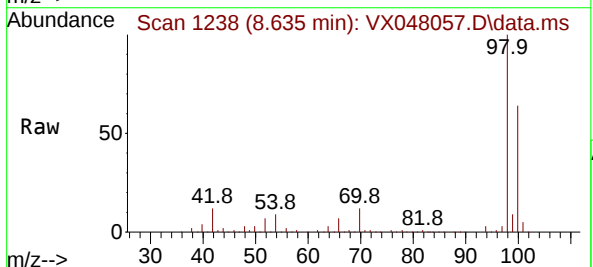
Acq: 07 Oct 2025 18:45

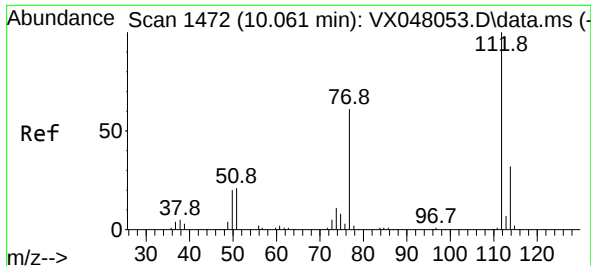
Tgt Ion: 98 Resp: 188565

Ion Ratio Lower Upper

98 100

100 65.5 54.1 81.1

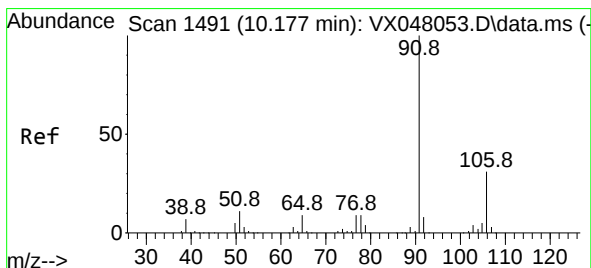
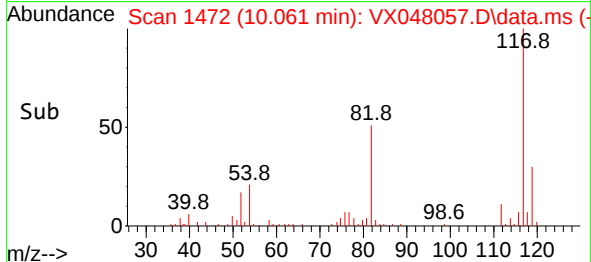
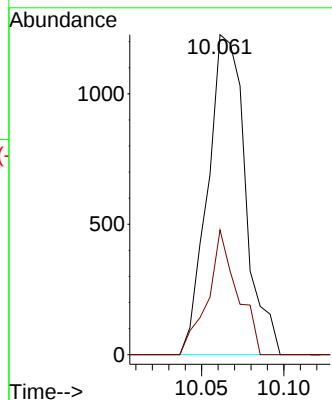
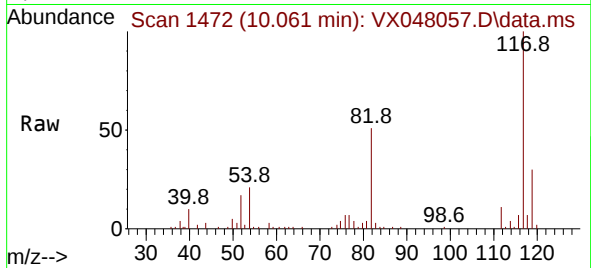




#64
Chlorobenzene
Concen: 0.378 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

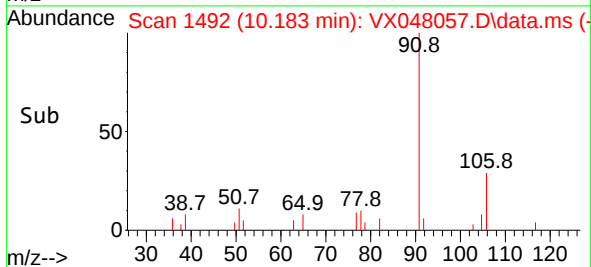
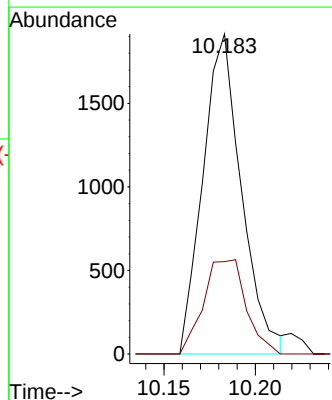
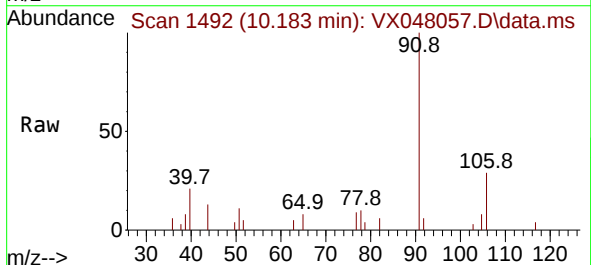
Instrument :
MSVOA_X
ClientSampleId :
IBLK

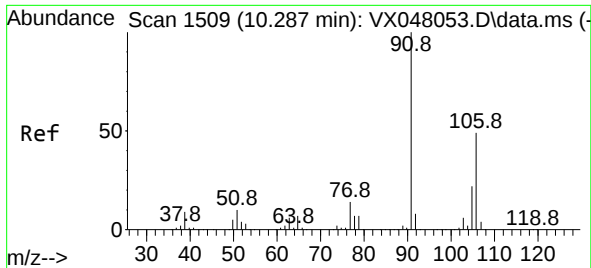
Tgt Ion:112 Resp: 1950
Ion Ratio Lower Upper
112 100
114 40.6 25.5 38.3#



#66
Ethyl Benzene
Concen: 0.321 ug/l
RT: 10.183 min Scan# 1492
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 91 Resp: 2806
Ion Ratio Lower Upper
91 100
106 28.9 25.0 37.6

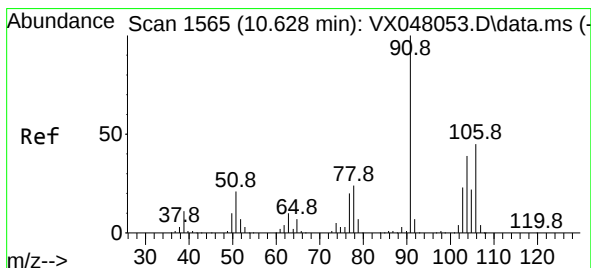
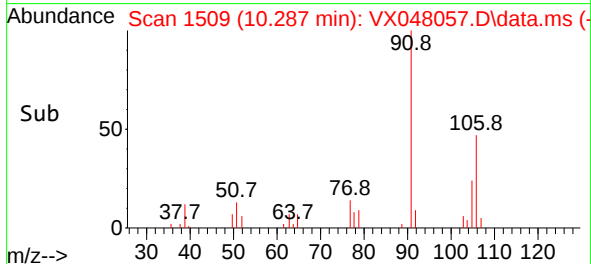
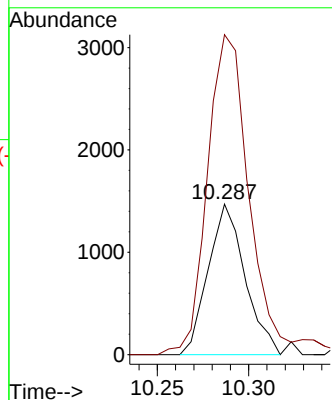
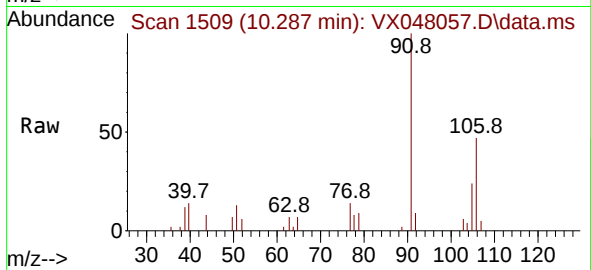




#67
m/p-Xylenes
Concen: 0.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

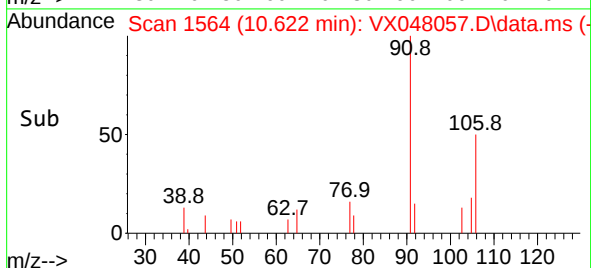
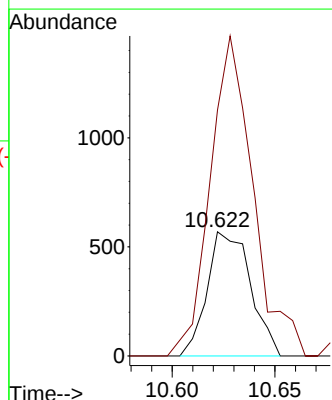
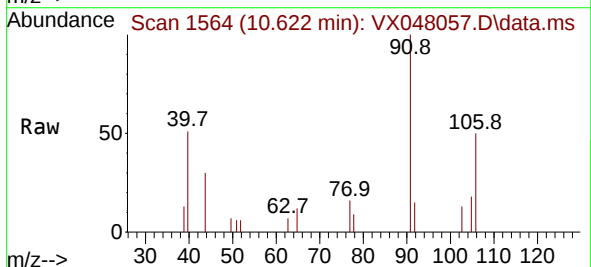
Instrument :
MSVOA_X
ClientSampleId :
IBLK

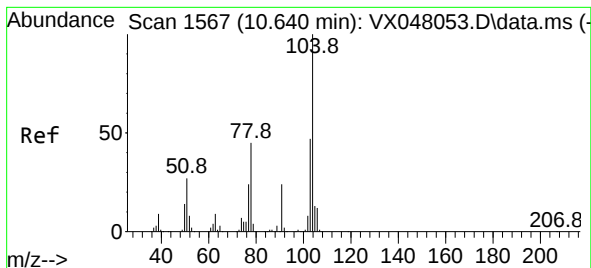
Tgt Ion:106 Resp: 2062
Ion Ratio Lower Upper
106 100
91 237.4 165.8 248.6



#68
o-Xylene
Concen: 0.265 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion:106 Resp: 834
Ion Ratio Lower Upper
106 100
91 239.7 112.6 337.6





#69

Styrene

Concen: 0.312 ug/l

RT: 10.646 min Scan# 1567

Delta R.T. 0.006 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

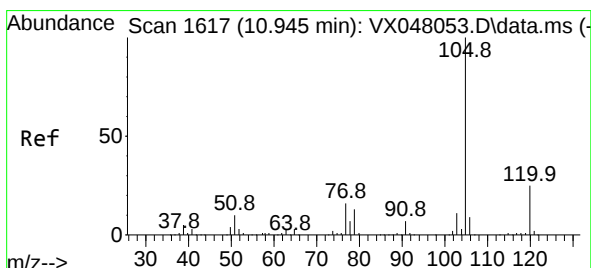
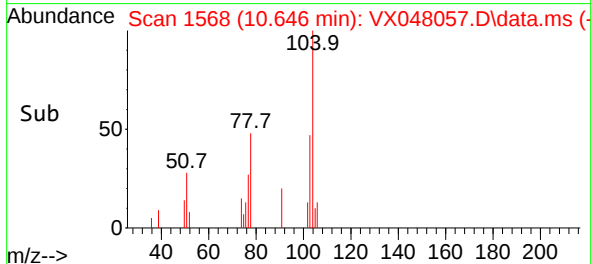
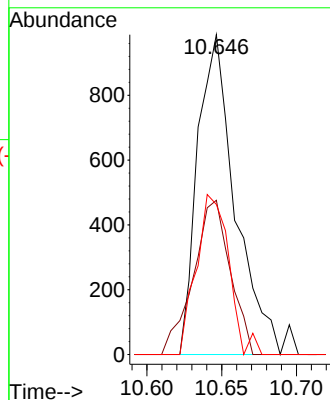
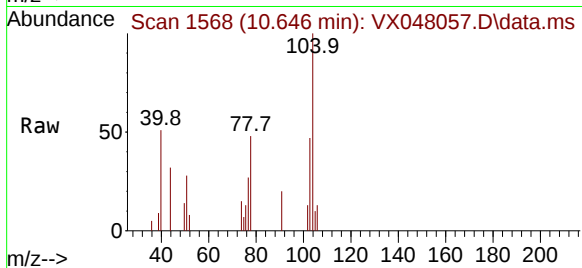
Tgt Ion:104 Resp: 1719

Ion Ratio Lower Upper

104 100

78 47.5 41.4 62.0

103 41.9 42.4 63.6#



#70

Isopropylbenzene

Concen: 0.411 ug/l

RT: 10.951 min Scan# 1618

Delta R.T. 0.006 min

Lab File: VX048057.D

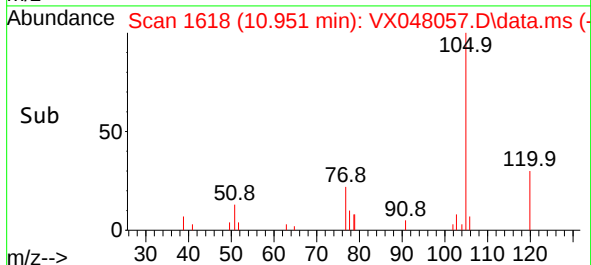
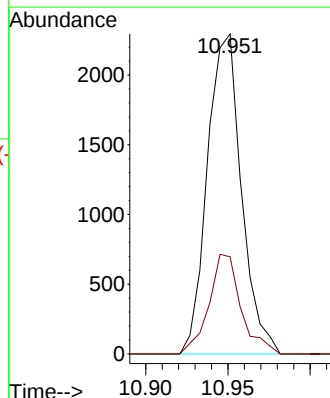
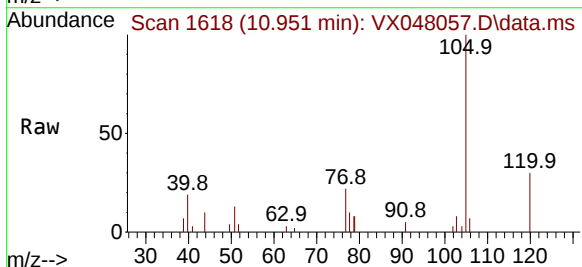
Acq: 07 Oct 2025 18:45

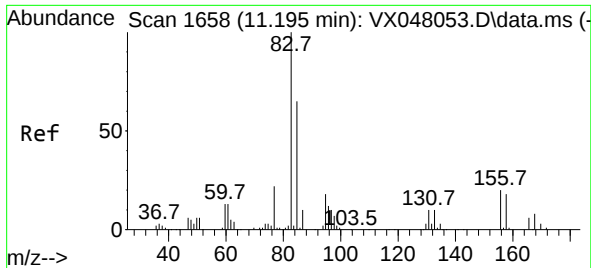
Tgt Ion:105 Resp: 3301

Ion Ratio Lower Upper

105 100

120 29.4 18.3 33.9

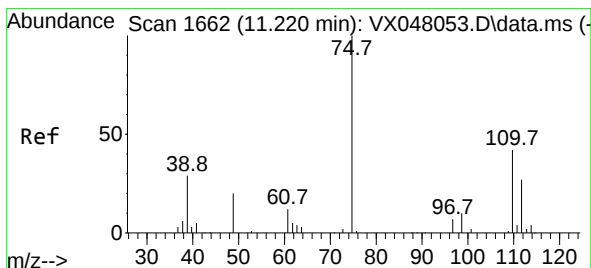
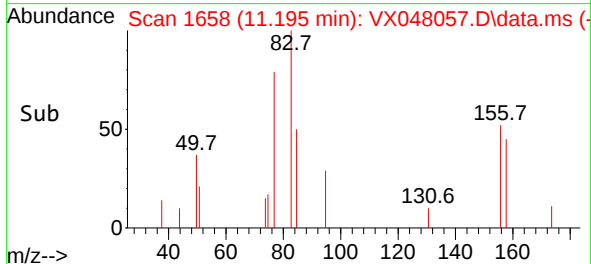
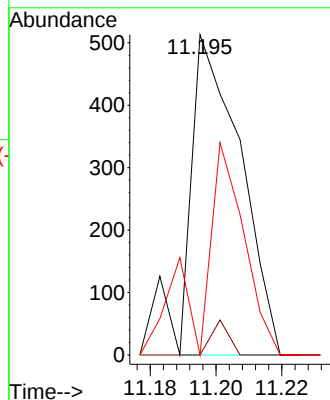
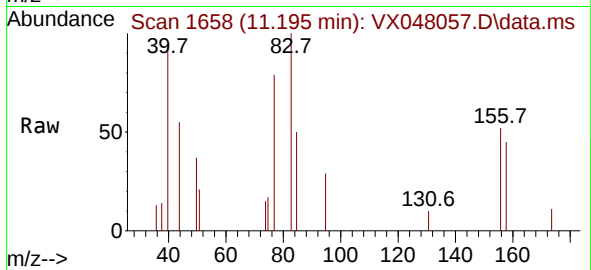




#71
1,1,2,2-Tetrachloroethane
Concen: 0.206 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

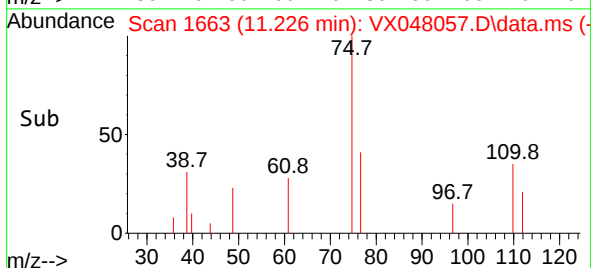
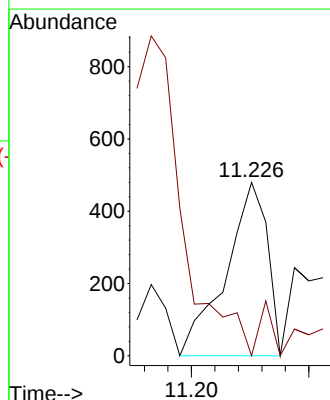
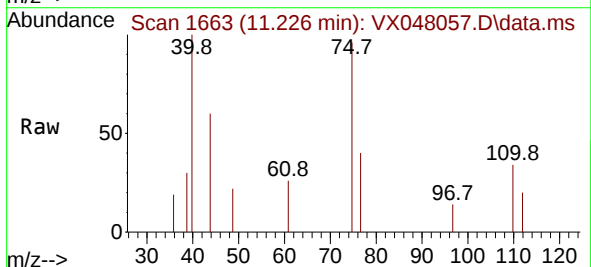
Instrument :
MSVOA_X
ClientSampleId :
IBLK

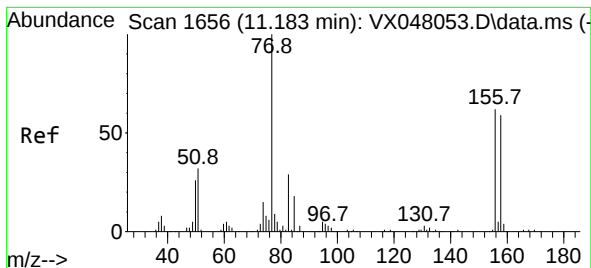
Tgt Ion: 83 Resp: 520
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 44.6 32.0 96.2



#72
1,2,3-Trichloropropane
Concen: 0.268 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 75 Resp: 588
Ion Ratio Lower Upper
75 100
77 9.5 0.0 76.4





#73

Bromobenzene

Concen: 0.374 ug/l

RT: 11.183 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

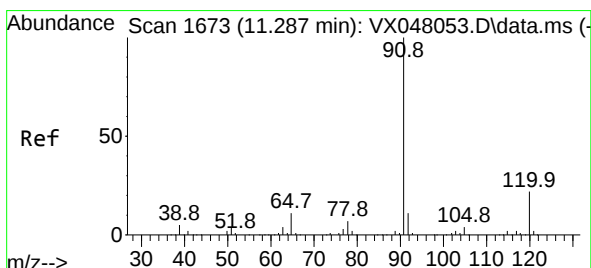
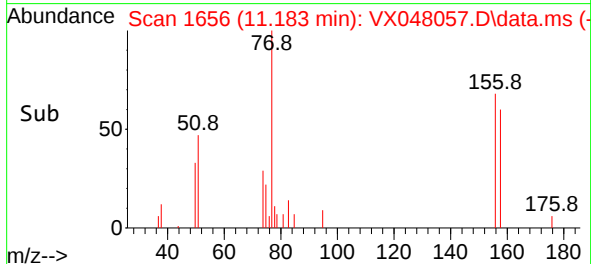
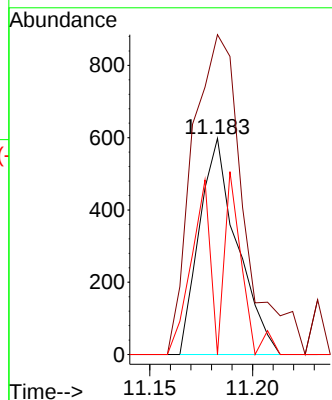
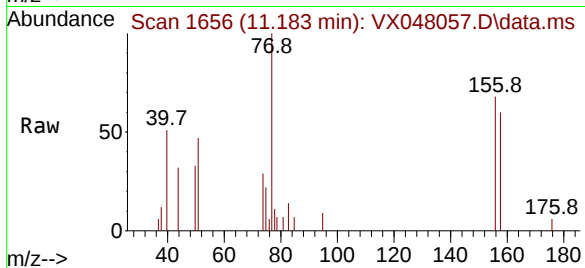
Tgt Ion:156 Resp: 766

Ion Ratio Lower Upper

156 100

77 200.4 0.0 366.2

158 35.2 0.0 196.8



#74

n-propylbenzene

Concen: 0.641 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX048057.D

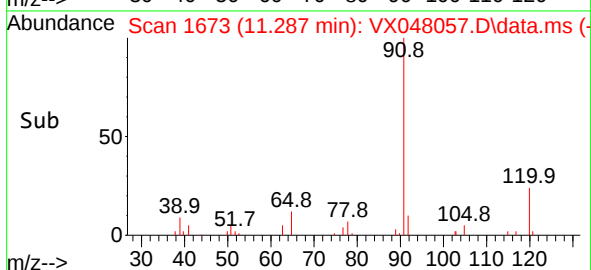
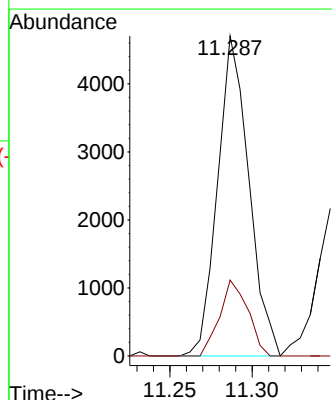
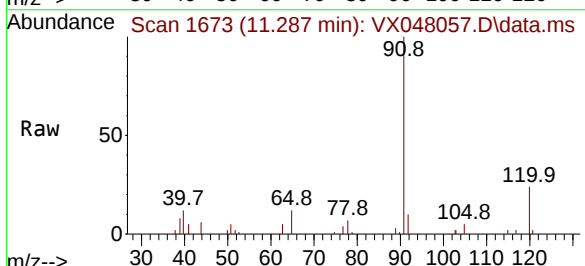
Acq: 07 Oct 2025 18:45

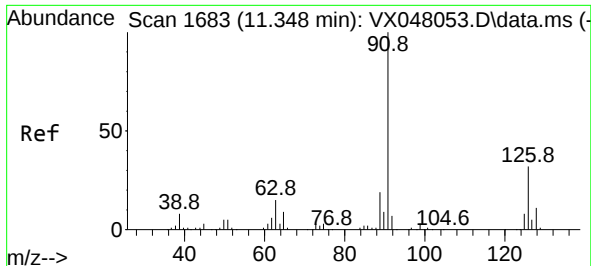
Tgt Ion: 91 Resp: 6224

Ion Ratio Lower Upper

91 100

120 21.4 0.0 44.2

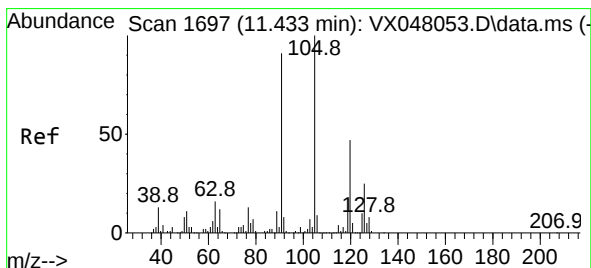
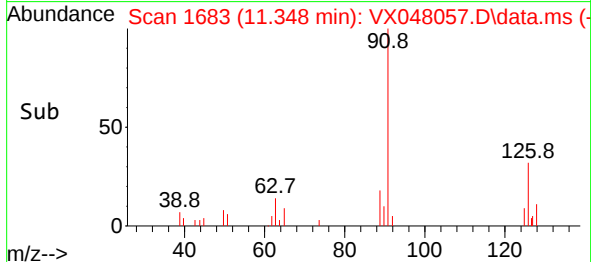
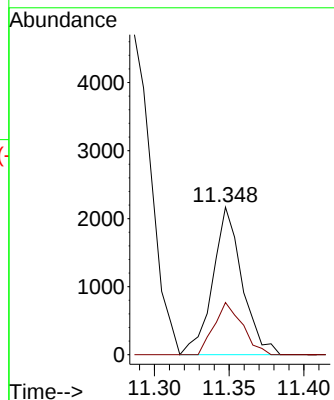
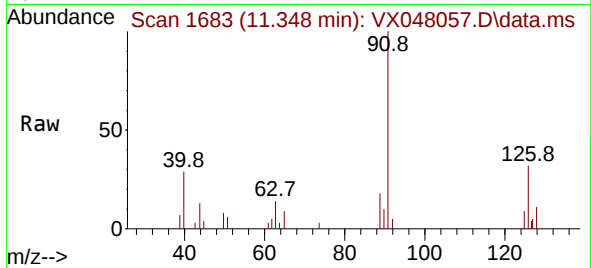




#75
2-Chlorotoluene
Concen: 0.497 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

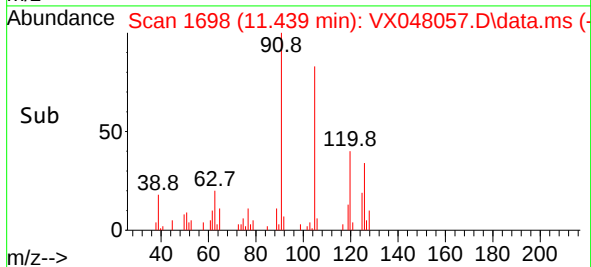
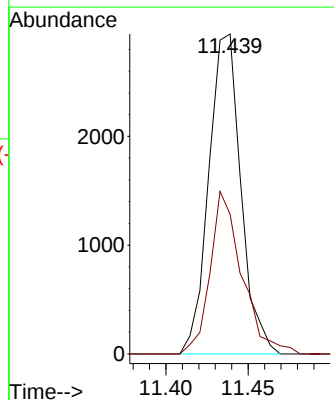
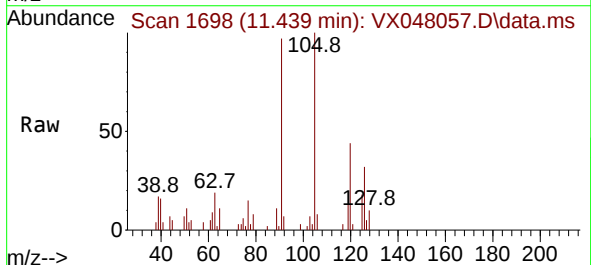
Instrument :
MSVOA_X
ClientSampleId :
IBLK

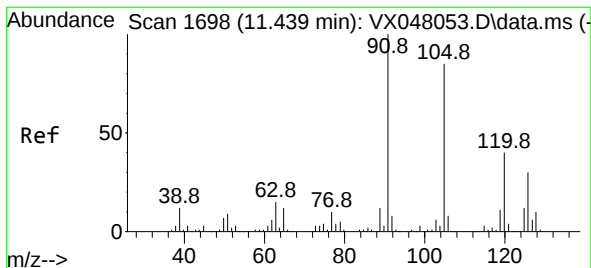
Tgt Ion: 91 Resp: 2964
Ion Ratio Lower Upper
91 100
126 34.0 0.0 63.2



#76
1,3,5-Trimethylbenzene
Concen: 0.598 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 105 Resp: 3993
Ion Ratio Lower Upper
105 100
120 50.5 0.0 95.4

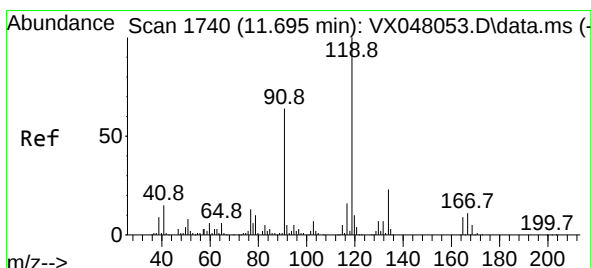
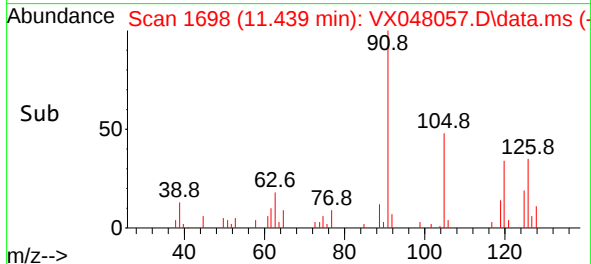
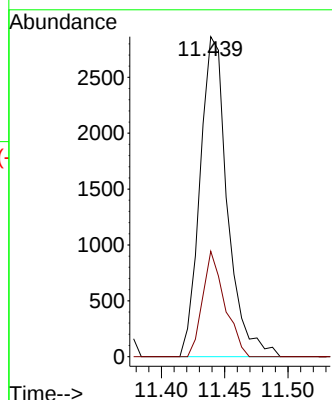
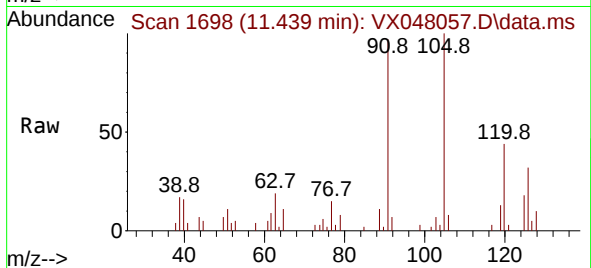




#78
4-Chlorotoluene
Concen: 0.620 ug/l
RT: 11.439 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

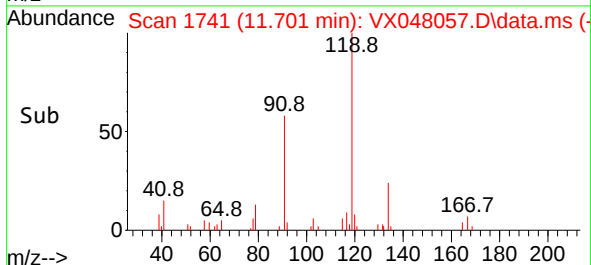
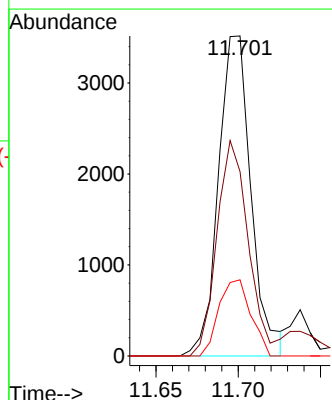
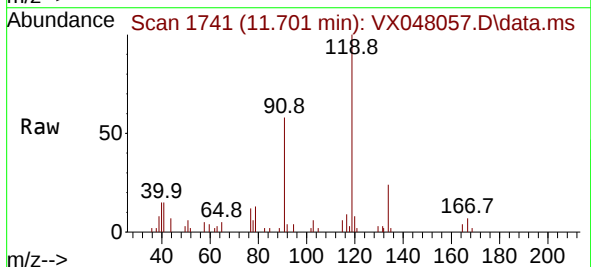
Instrument :
MSVOA_X
ClientSampleId :
IBLK

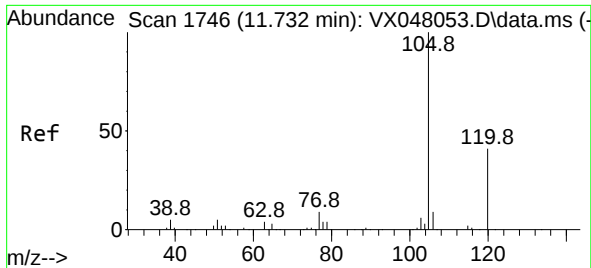
Tgt Ion: 91 Resp: 4328
Ion Ratio Lower Upper
91 100
126 26.7 0.0 57.2



#79
tert-butylbenzene
Concen: 0.747 ug/l
RT: 11.701 min Scan# 1741
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion: 119 Resp: 4856
Ion Ratio Lower Upper
119 100
91 64.0 0.0 119.0
134 23.4 0.0 46.4

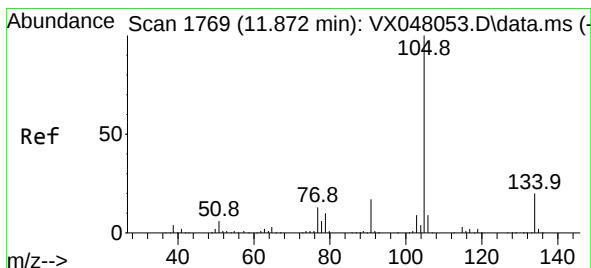
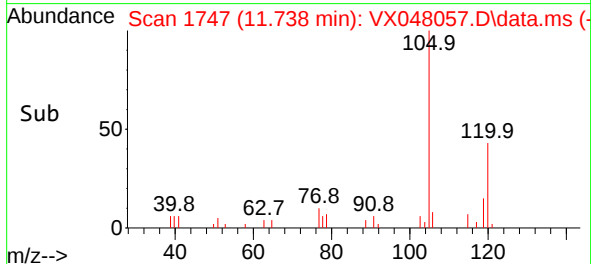
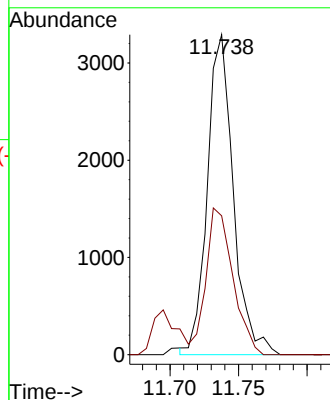
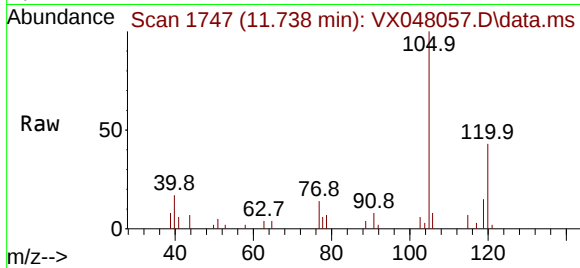




#80
1,2,4-Trimethylbenzene
Concen: 0.651 ug/l
RT: 11.738 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

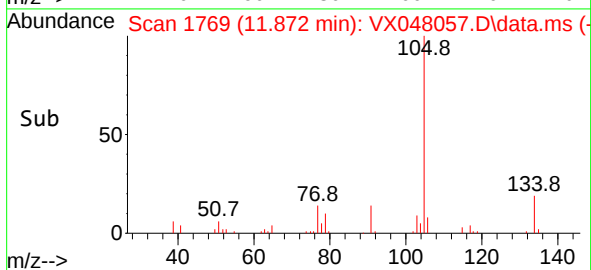
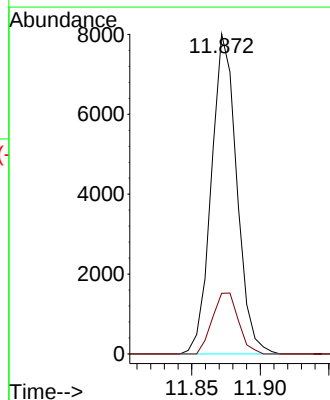
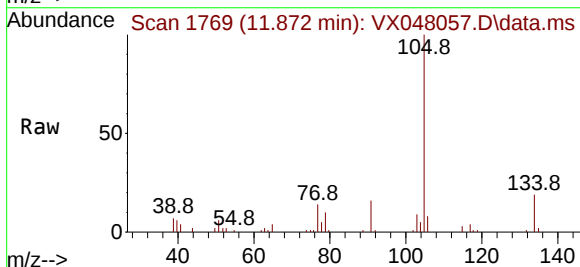
Instrument :
MSVOA_X
ClientSampleId :
IBLK

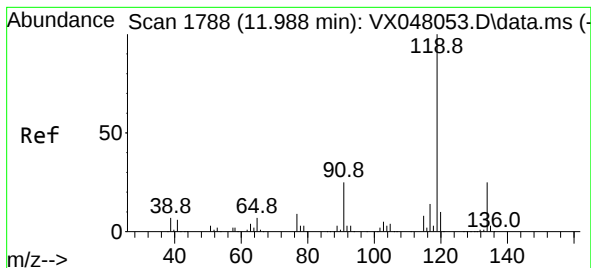
Tgt Ion:105 Resp: 4340
Ion Ratio Lower Upper
105 100
120 47.5 0.0 88.6



#81
sec-Butylbenzene
Concen: 1.301 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion:105 Resp: 10338
Ion Ratio Lower Upper
105 100
134 19.5 0.0 39.4





#82

p-Isopropyltoluene

Concen: 1.355 ug/l

RT: 11.994 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

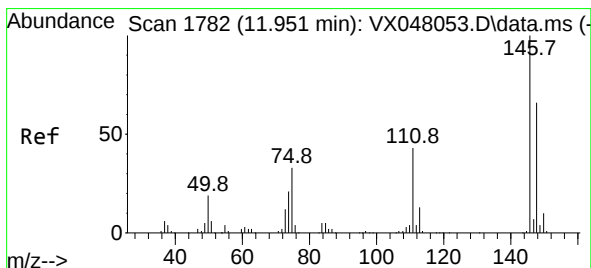
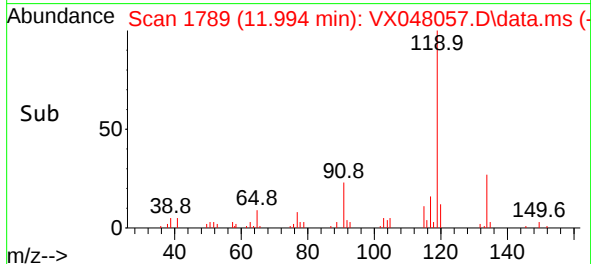
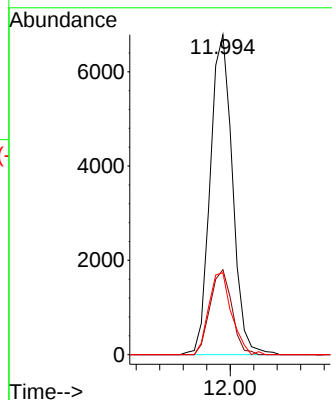
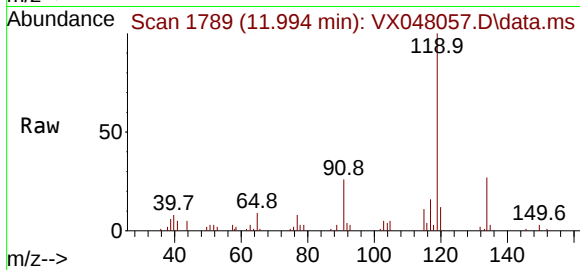
Tgt Ion:119 Resp: 8931

Ion Ratio Lower Upper

119 100

134 25.9 0.0 51.6

91 26.1 0.0 49.8



#83

1,3-Dichlorobenzene

Concen: 0.832 ug/l

RT: 11.957 min Scan# 1783

Delta R.T. 0.006 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

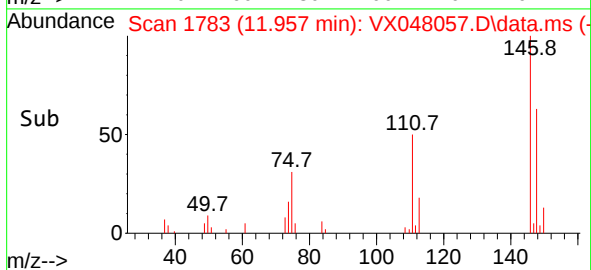
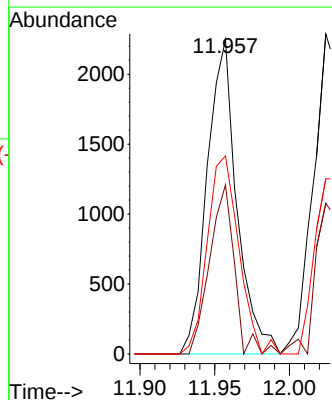
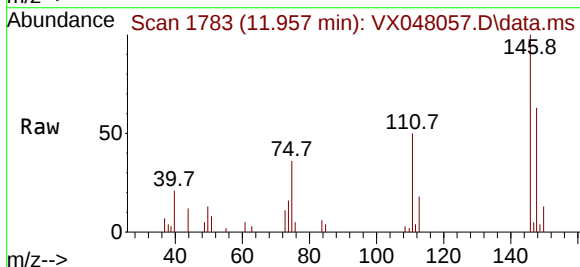
Tgt Ion:146 Resp: 3106

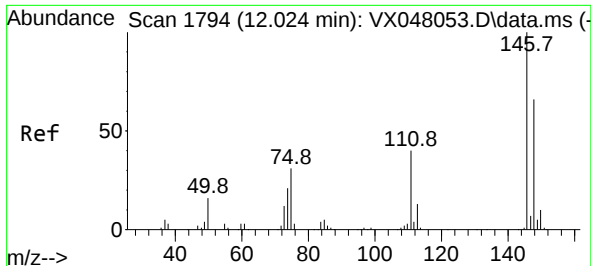
Ion Ratio Lower Upper

146 100

111 42.4 21.6 64.8

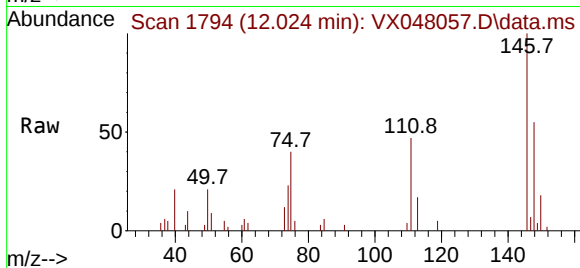
148 65.6 32.7 98.1



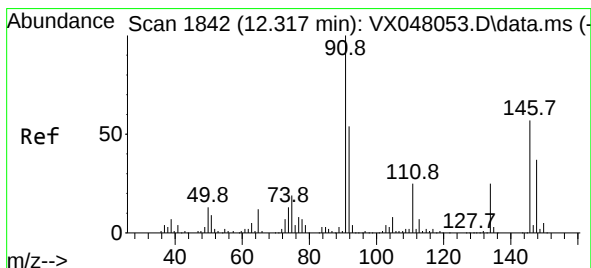
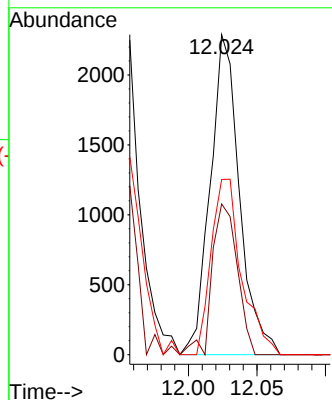
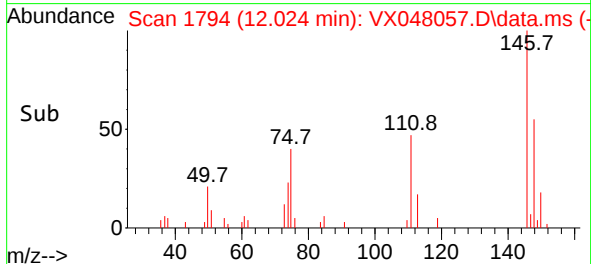


#84
1,4-Dichlorobenzene
Concen: 0.902 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

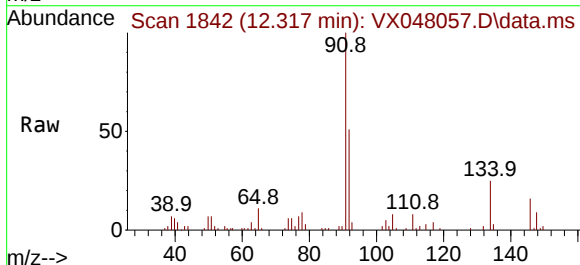
Instrument :
MSVOA_X
ClientSampleId :
IBLK



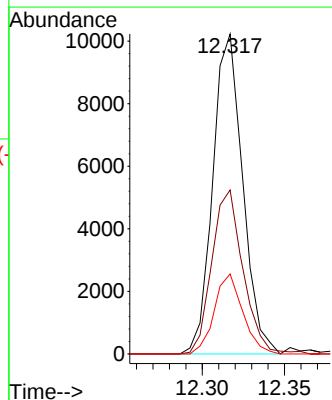
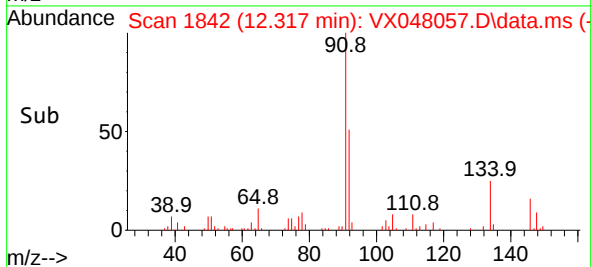
Tgt Ion:146 Resp: 3393
Ion Ratio Lower Upper
146 100
111 38.7 20.6 61.8
148 57.1 32.6 98.0

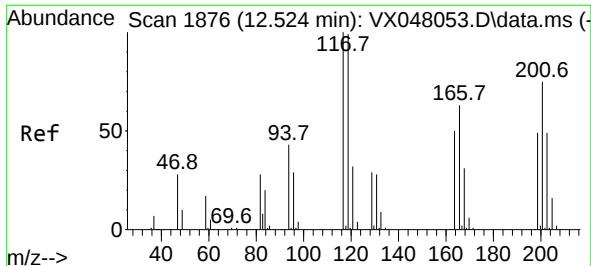


#85
n-Butylbenzene
Concen: 2.115 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45



Tgt Ion: 91 Resp: 12915
Ion Ratio Lower Upper
91 100
92 53.4 0.0 106.8
134 23.8 0.0 48.4

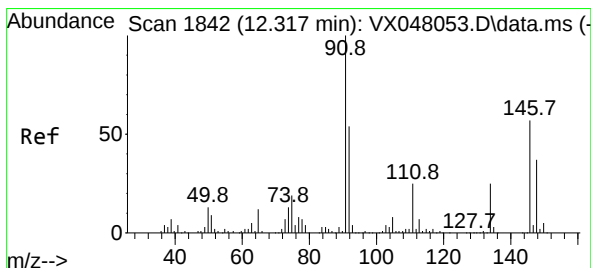
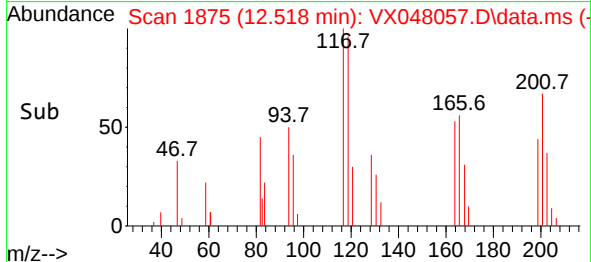
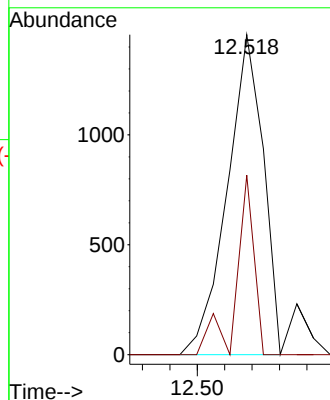
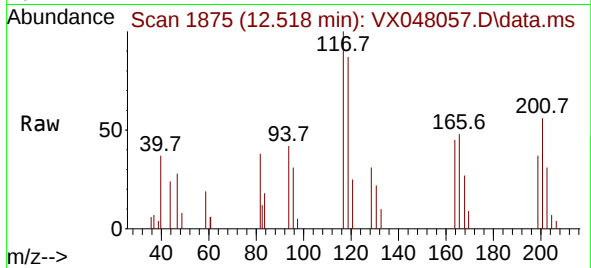




#86
Hexachloroethane
Concen: 1.261 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

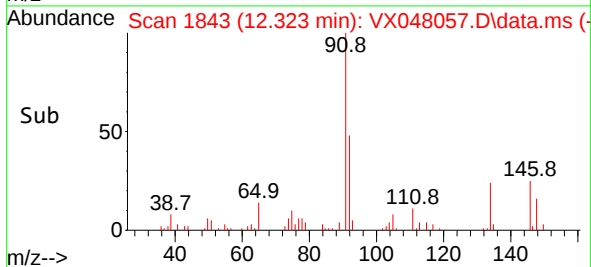
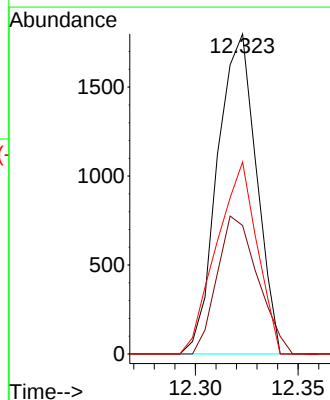
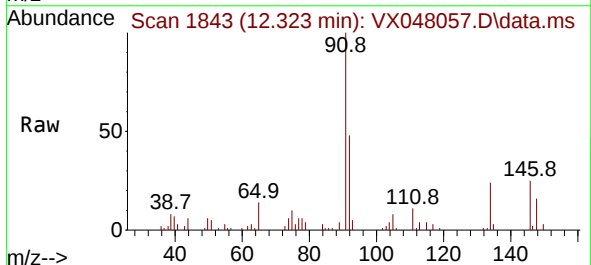
Instrument :
MSVOA_X
ClientSampleId :
IBLK

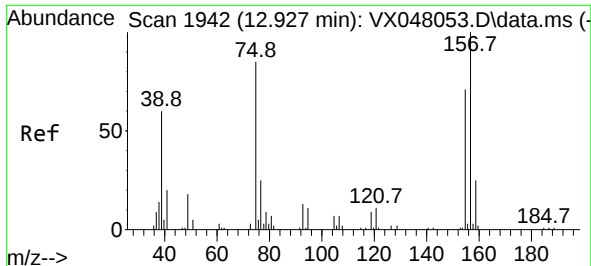
Tgt Ion:117 Resp: 1331
Ion Ratio Lower Upper
117 100
201 22.5 14.6 44.0



#87
1,2-Dichlorobenzene
Concen: 0.663 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. 0.006 min
Lab File: VX048057.D
Acq: 07 Oct 2025 18:45

Tgt Ion:146 Resp: 2371
Ion Ratio Lower Upper
146 100
111 45.1 21.7 65.1
148 62.4 31.9 95.9





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.659 ug/l

RT: 12.927 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

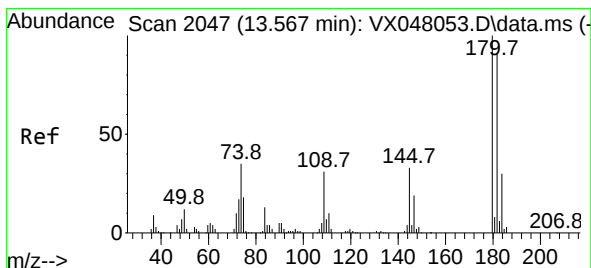
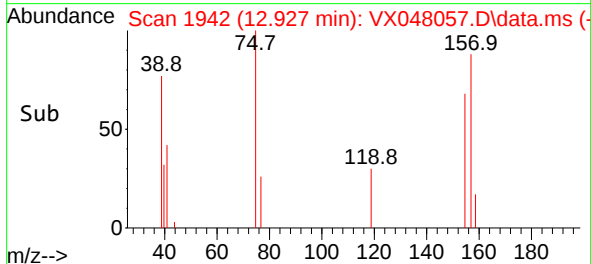
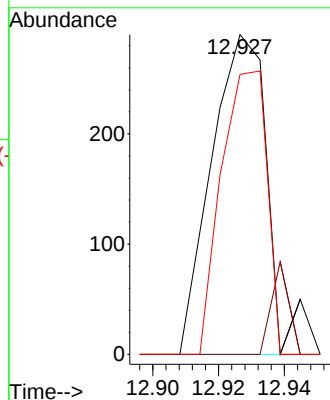
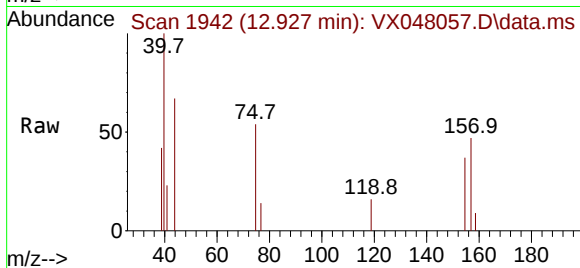
Tgt Ion: 75 Resp: 326

Ion Ratio Lower Upper

75 100

155 0.0 62.8 94.2#

157 75.8 81.1 121.7#



#89

1,2,4-Trichlorobenzene

Concen: 3.265 ug/l

RT: 13.939 min Scan# 2108

Delta R.T. 0.372 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

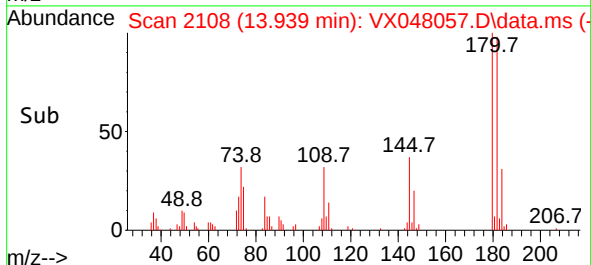
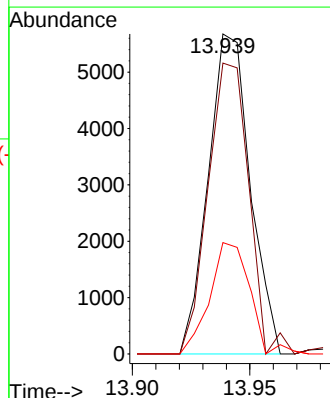
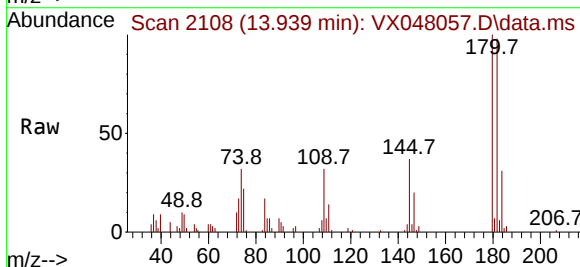
Tgt Ion:180 Resp: 7062

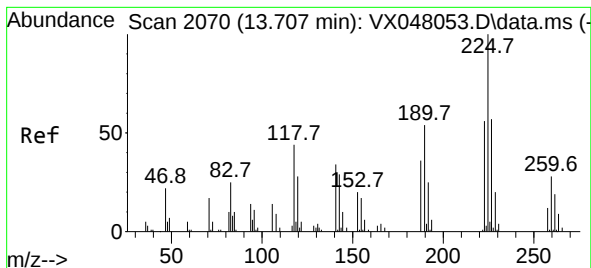
Ion Ratio Lower Upper

180 100

182 86.3 73.4 110.0

145 32.1 26.2 39.4





#90

Hexachlorobutadiene

Concen: 15.908 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

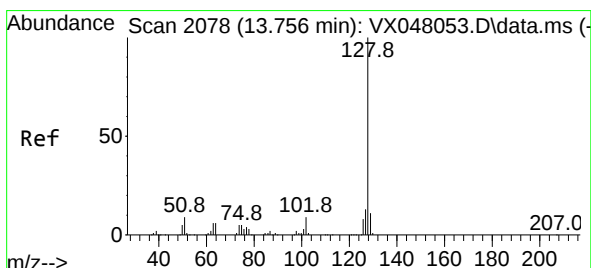
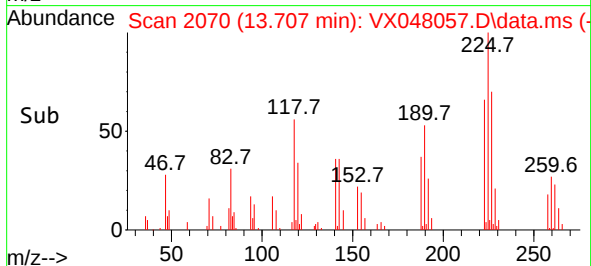
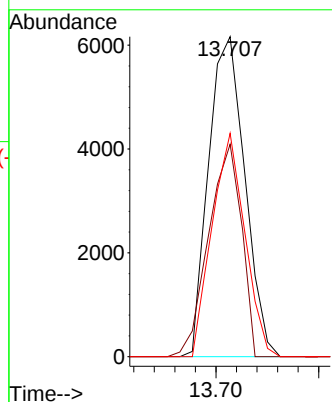
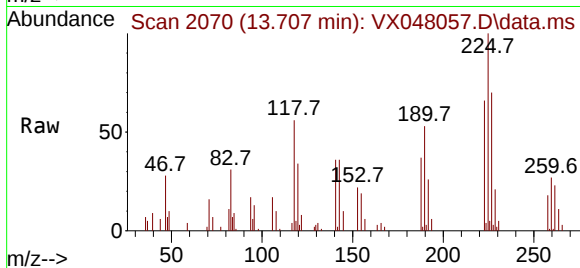
Tgt Ion:225 Resp: 7552

Ion Ratio Lower Upper

225 100

223 60.1 0.0 130.0

227 63.2 0.0 63.0#



#91

Naphthalene

Concen: 2.253 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX048057.D

Acq: 07 Oct 2025 18:45

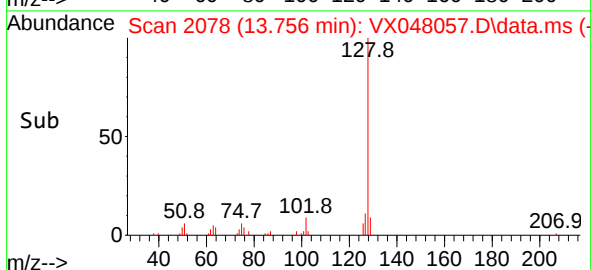
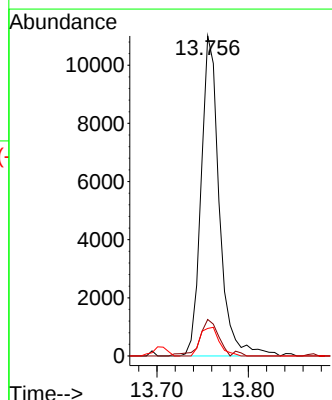
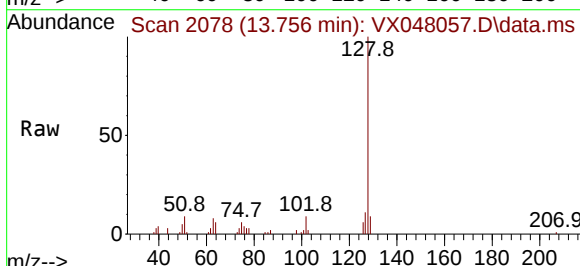
Tgt Ion:128 Resp: 15223

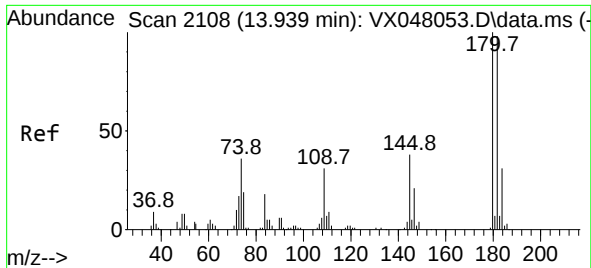
Ion Ratio Lower Upper

128 100

127 11.5 10.6 15.8

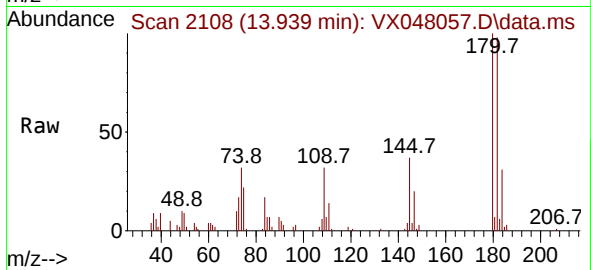
129 9.5 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 3.356 ug/l
 RT: 13.939 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX048057.D
 Acq: 07 Oct 2025 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	7062
Ion Ratio	Lower	Upper	
180	100		
182	86.3	0.0	190.0
145	32.1	0.0	72.2

