

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087218.D
 Acq On : 27 Jun 2025 13:51
 Operator : JC\MD
 Sample : Q2416-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-G/H

Quant Time: Jun 27 23:44:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

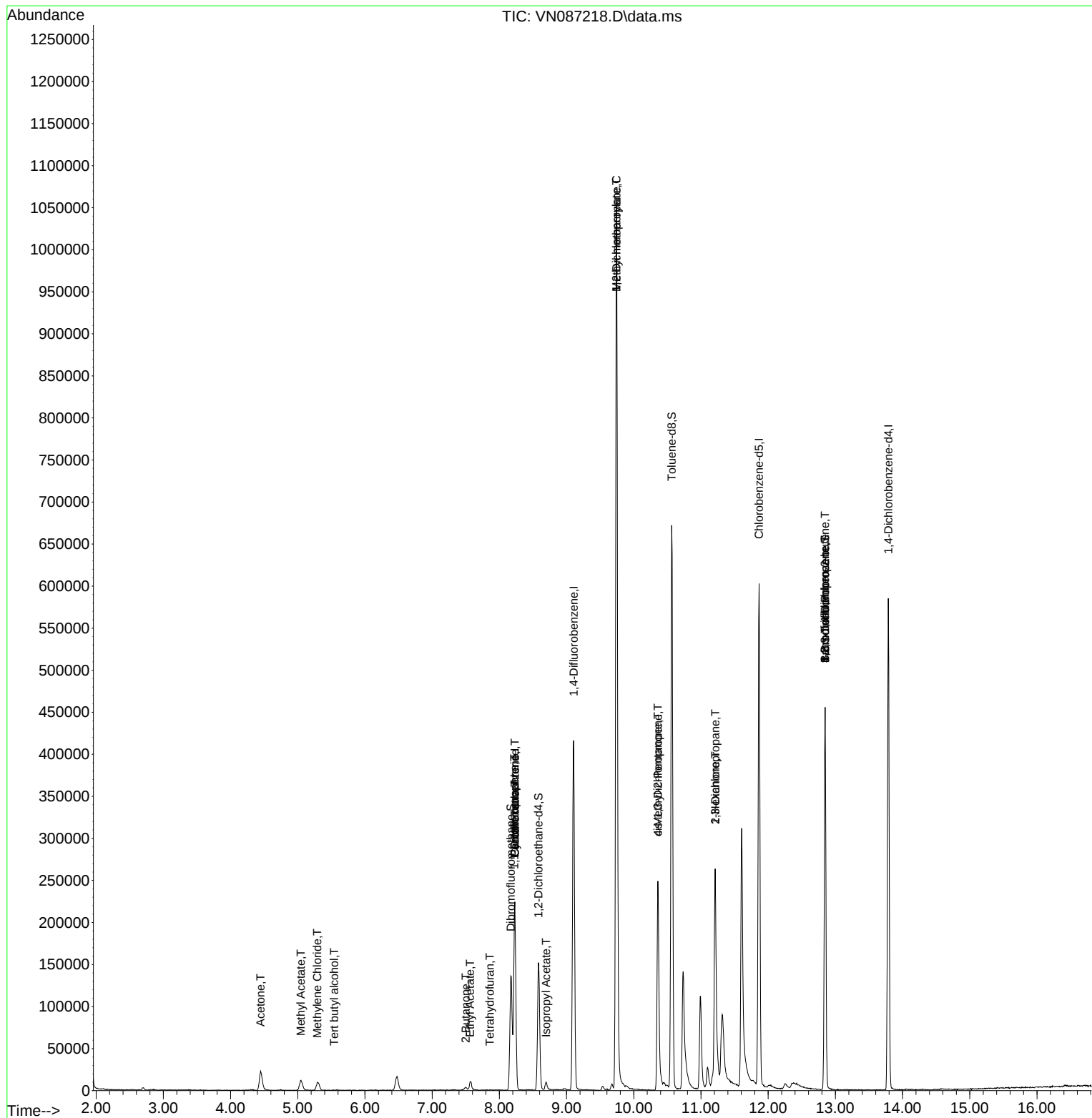
Internal Standards						
1) Pentafluorobenzene	8.230	168	167099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	372339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126021	52.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.820%			
35) Dibromofluoromethane	8.171	113	103318	42.920	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 85.840%			
50) Toluene-d8	10.565	98	481095	48.322	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.640%			
62) 4-Bromofluorobenzene	12.847	95	167961	48.619	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.240%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.542	59	265	0.500	ug/l #	73
14) Allyl chloride	5.300	41	69	Below Cal	#	23
16) Acetone	4.448	43	45831	27.724	ug/l	93
17) Carbon Disulfide	4.742	76	343	Below Cal	#	76
18) Methyl Acetate	5.047	43	26071	8.150	ug/l	99
20) Methylene Chloride	5.289	84	8448	2.179	ug/l	94
25) 2-Butanone	7.500	43	6086	3.338	ug/l #	78
29) Tetrahydrofuran	7.859	42	352	0.294	ug/l #	31
31) Cyclohexane	8.230	56	3622	0.973	ug/l #	5
36) 1,1-Dichloropropene	8.224	75	14042	3.982	ug/l #	49
37) Ethyl Acetate	7.565	43	16643	1.434	ug/l	97
38) Carbon Tetrachloride	8.230	117	17271	5.029	ug/l #	14
43) Isopropyl Acetate	8.694	43	11275	1.739	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1383	0.492	ug/l #	44
48) Methyl methacrylate	9.741	41	94338	30.102	ug/l #	40
51) 4-Methyl-2-Pentanone	10.359	43	106156	20.217	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	56776	12.521	ug/l #	59
56) Ethyl methacrylate	10.835	69	62	Below Cal	#	28
57) 1,3-Dichloropropane	11.212	76	3644	0.783	ug/l #	43
59) 2-Hexanone	11.212	43	54873	19.028	ug/l #	43
71) Bromoform	12.847	173	814	0.430	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	84696	23.191	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84696	52.050	ug/l #	13

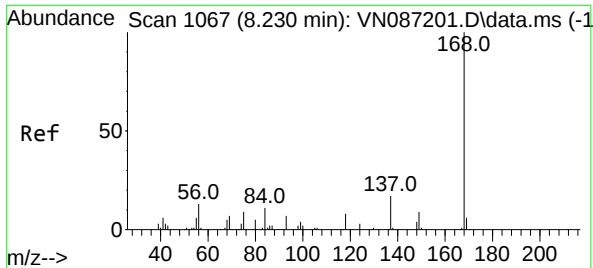
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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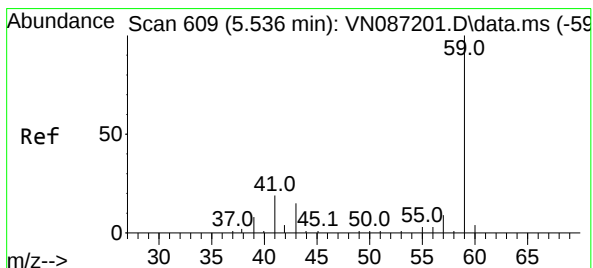
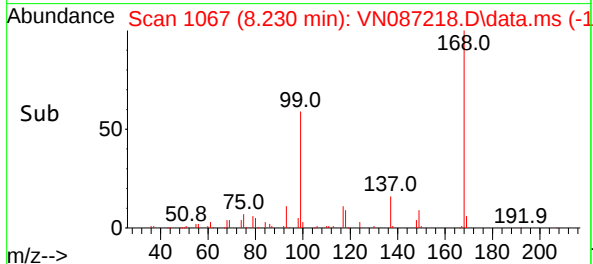
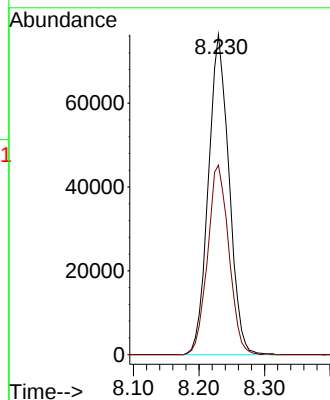
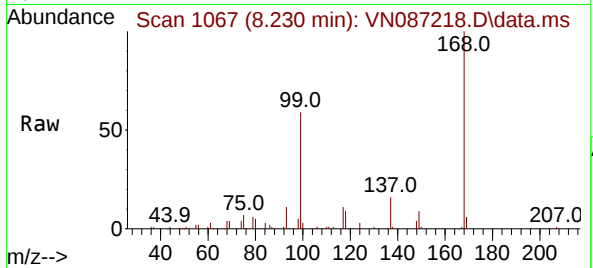




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

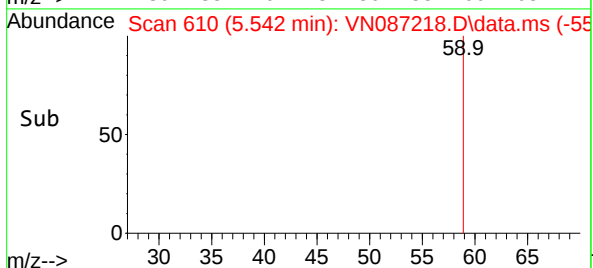
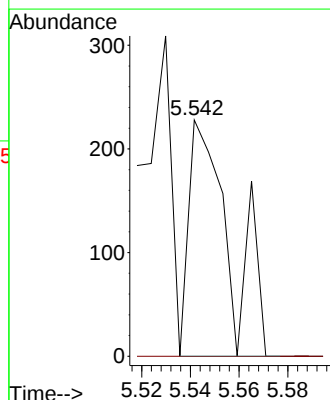
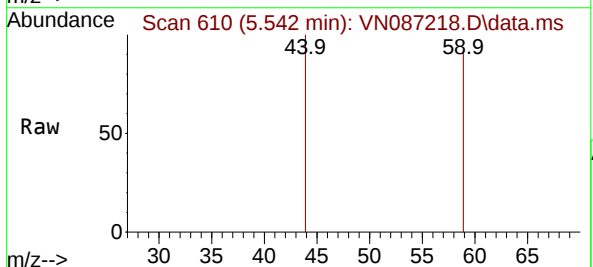
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

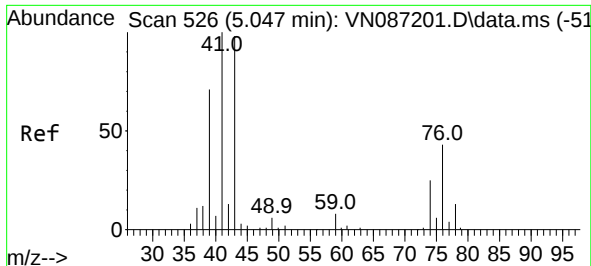
Tgt Ion:168 Resp: 167099
Ion Ratio Lower Upper
168 100
99 59.3 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.500 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

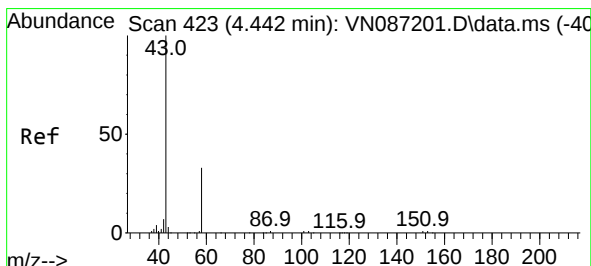
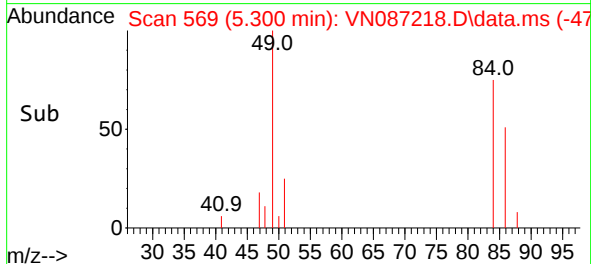
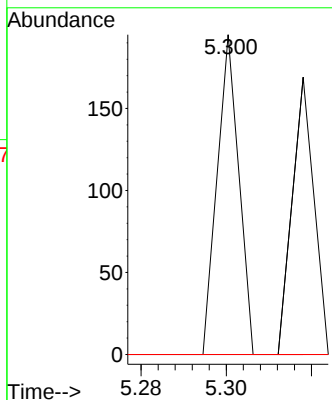
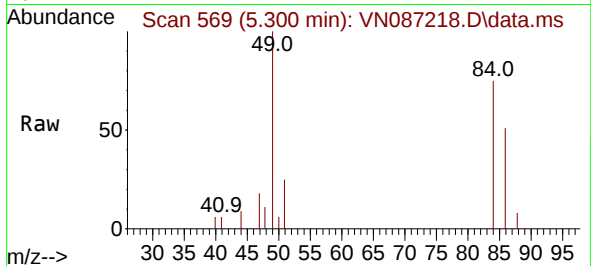




#14
Allyl chloride
Concen: Below Cal
RT: 5.300 min Scan# 50
Delta R.T. 0.253 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

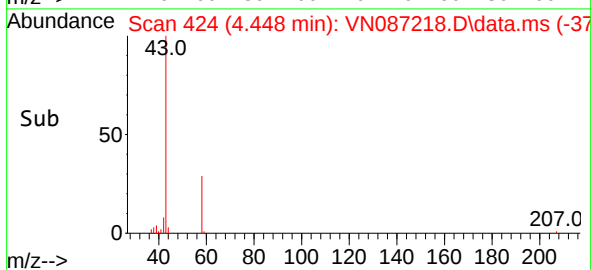
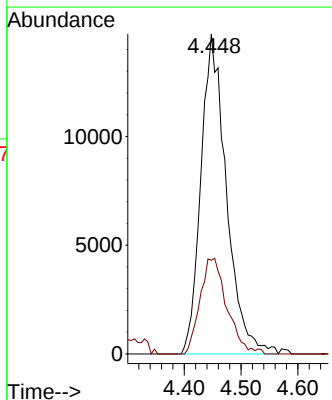
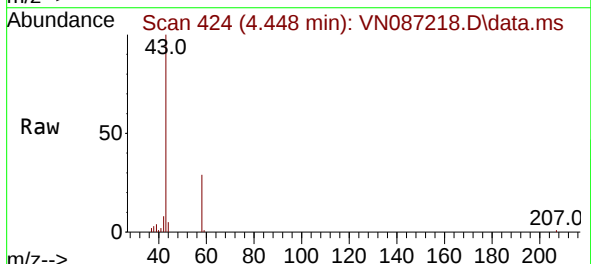
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

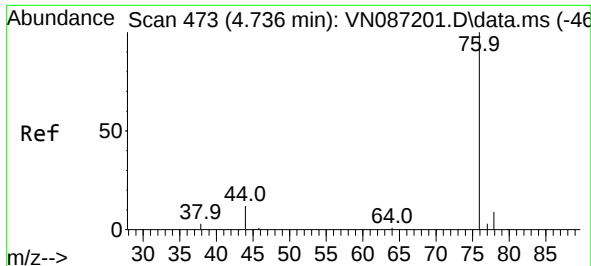
Tgt Ion: 41 Resp: 69
Ion Ratio Lower Upper
41 100
39 0.0 55.0 82.6#
76 0.0 31.3 46.9#



#16
Acetone
Concen: 27.724 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion: 43 Resp: 45831
Ion Ratio Lower Upper
43 100
58 29.3 26.5 39.7

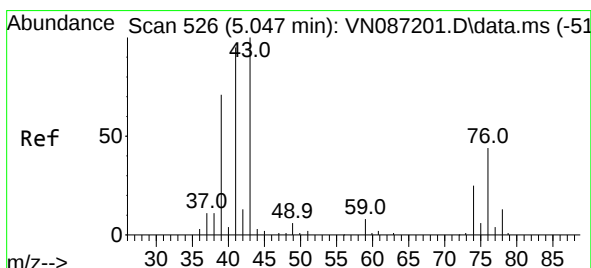
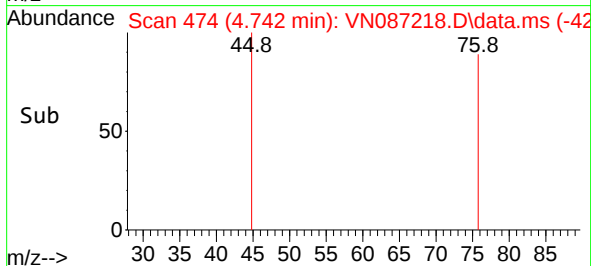
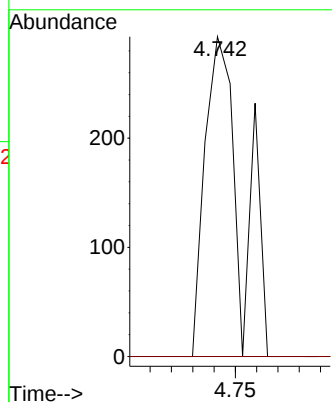
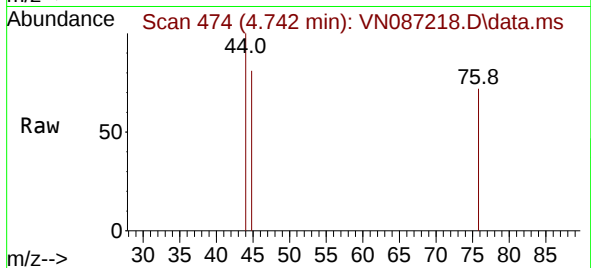




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.742 min Scan# 473
Delta R.T. 0.006 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

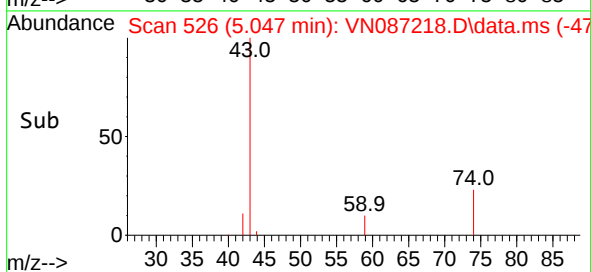
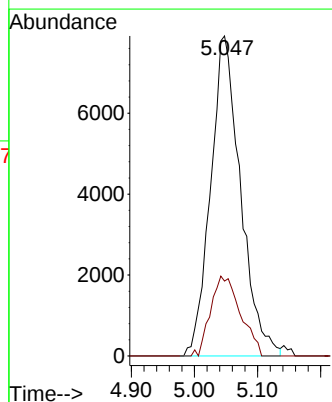
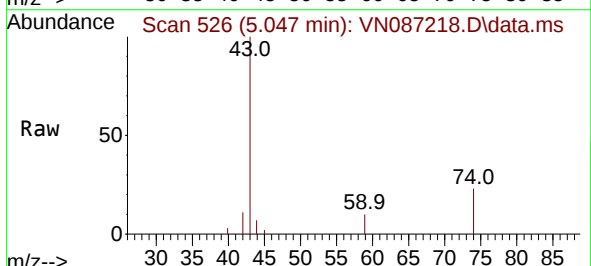
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

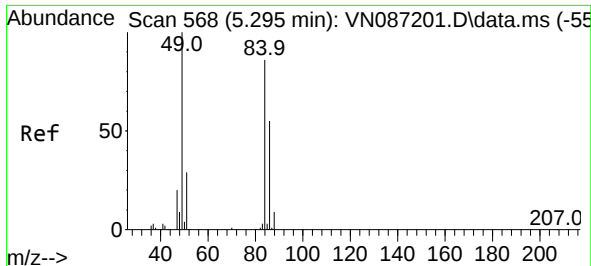
Tgt Ion: 76 Resp: 343
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 8.150 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.000 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion: 43 Resp: 26071
Ion Ratio Lower Upper
43 100
74 24.9 19.4 29.2

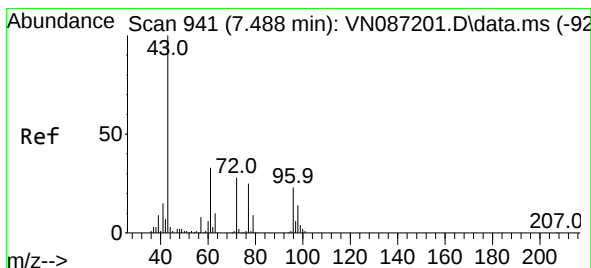
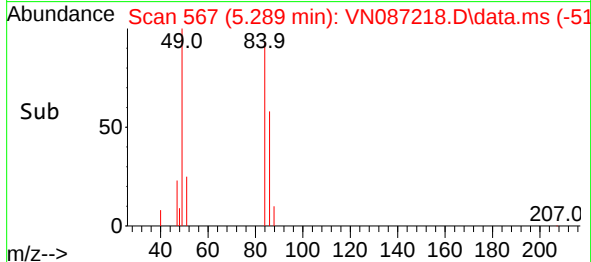
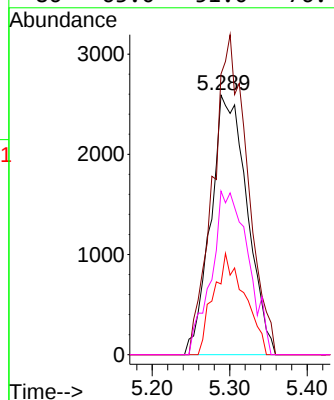
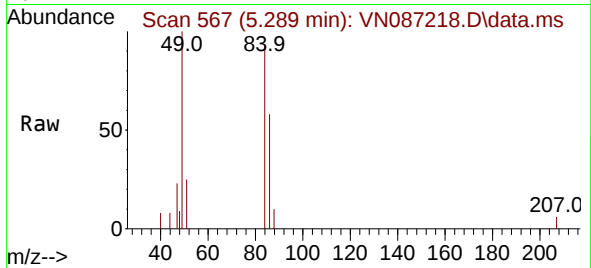




#20
Methylene Chloride
Concen: 2.179 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

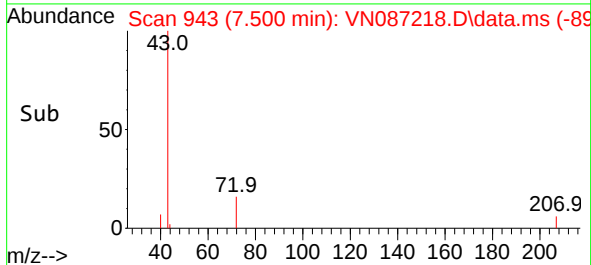
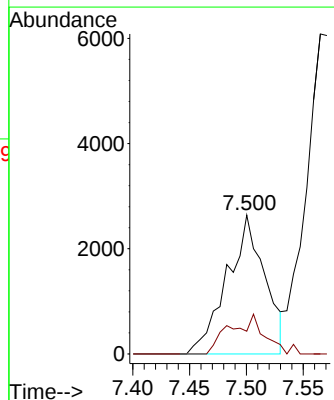
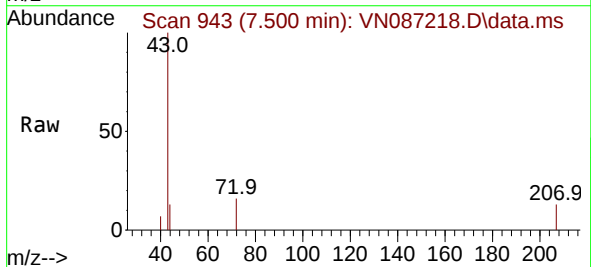
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

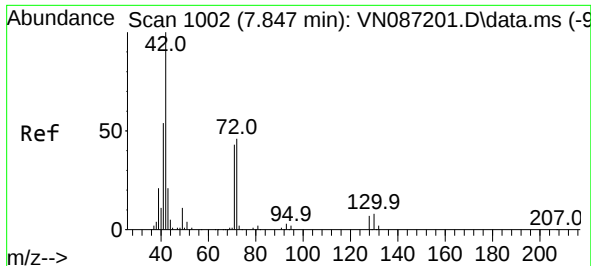
Tgt Ion:	84	Resp:	8448
Ion	Ratio	Lower	Upper
84	100		
49	108.1	93.0	139.6
51	27.2	27.2	40.8
86	63.0	51.0	76.4



#25
2-Butanone
Concen: 3.338 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion:	43	Resp:	6086
Ion	Ratio	Lower	Upper
43	100		
72	16.4	22.2	33.2





#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 7.859 min Scan# 1067

Delta R.T. 0.012 min

Lab File: VN087218.D

Acq: 27 Jun 2025 13:51

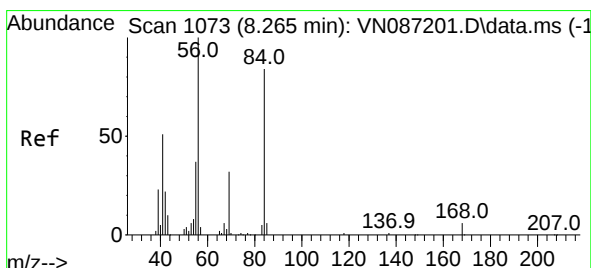
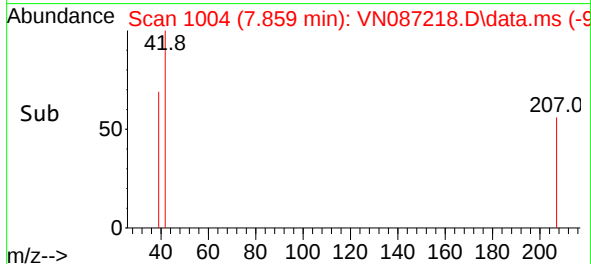
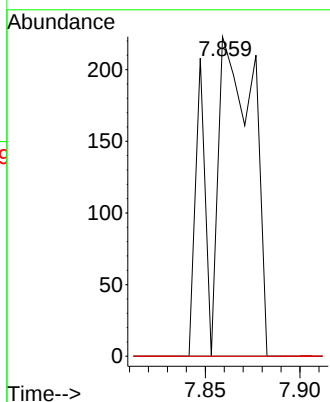
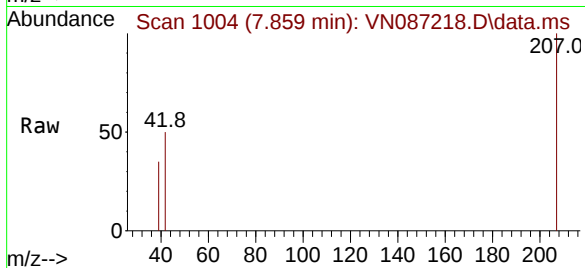
Instrument :

MSVOA_N

ClientSampleId :

MH-G/H

Tgt Ion:	42	Resp:	352
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.9	55.3#
71	0.0	35.0	52.4#



#31

Cyclohexane

Concen: 0.973 ug/l

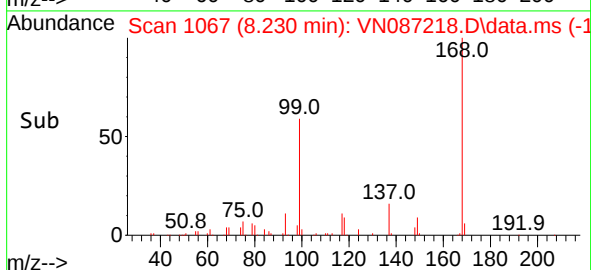
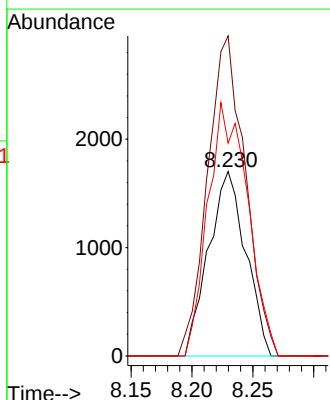
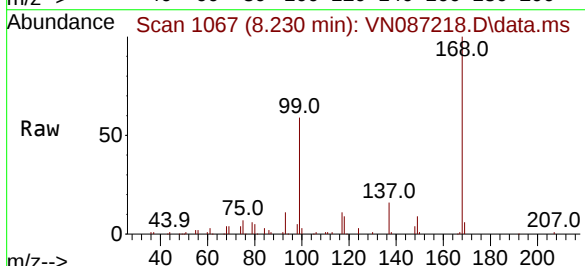
RT: 8.230 min Scan# 1067

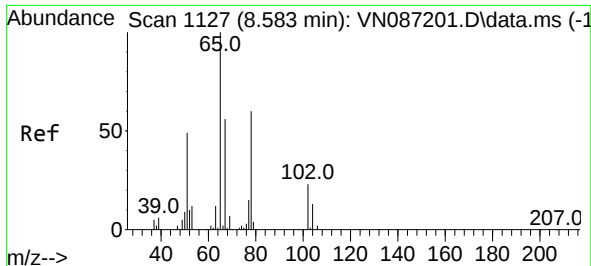
Delta R.T. -0.035 min

Lab File: VN087218.D

Acq: 27 Jun 2025 13:51

Tgt Ion:	56	Resp:	3622
Ion	Ratio	Lower	Upper
56	100		
69	173.4	25.3	37.9#
84	115.3	67.4	101.0#





#33

1,2-Dichloroethane-d4

Concen: 52.406 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087218.D

Acq: 27 Jun 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

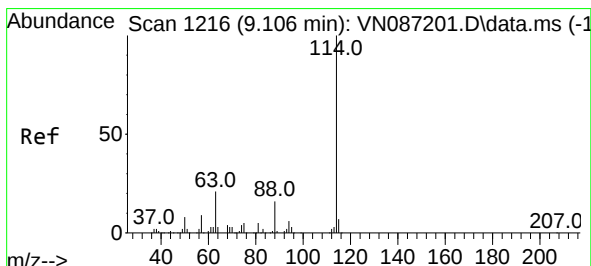
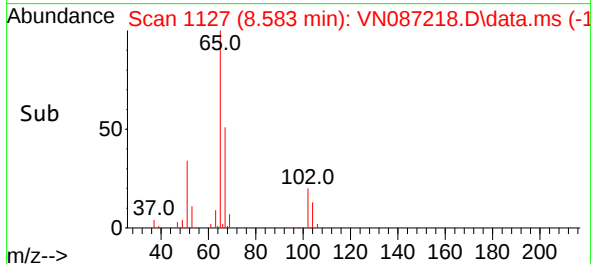
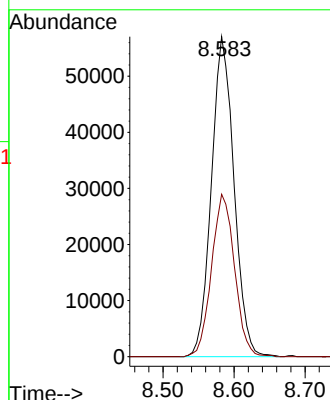
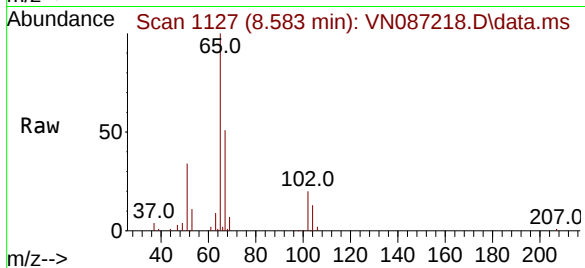
MH-G/H

Tgt Ion: 65 Resp: 126021

Ion Ratio Lower Upper

65 100

67 51.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087218.D

Acq: 27 Jun 2025 13:51

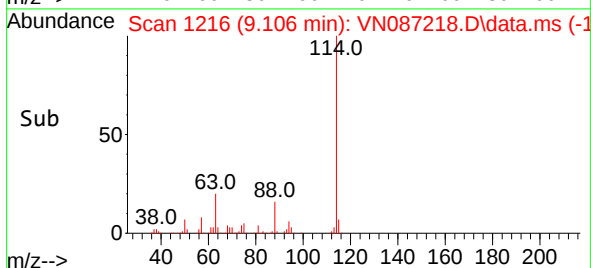
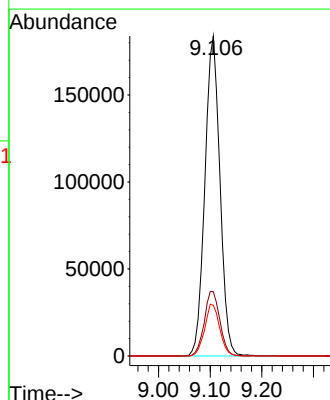
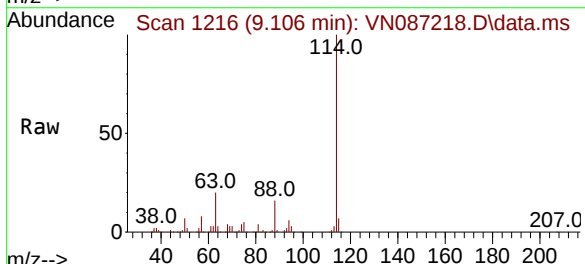
Tgt Ion: 114 Resp: 372339

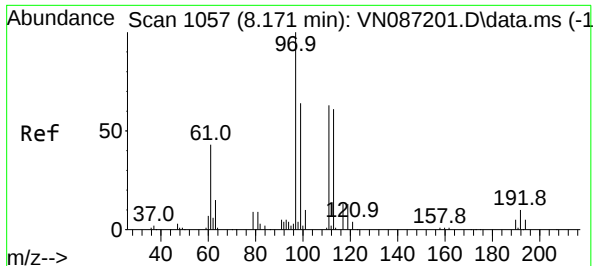
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.0

88 15.9 0.0 32.0

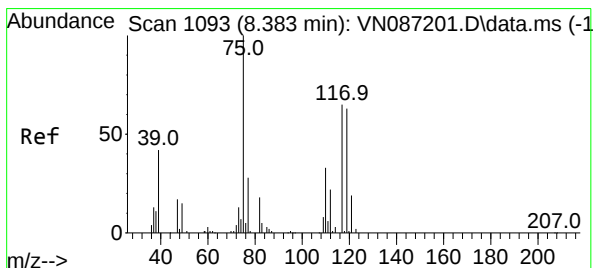
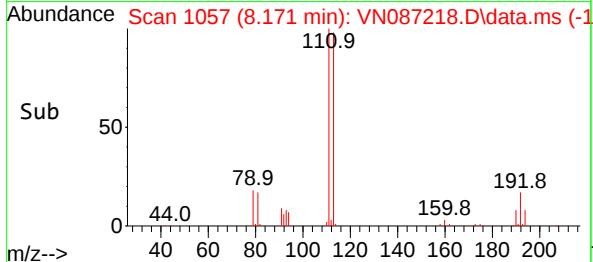
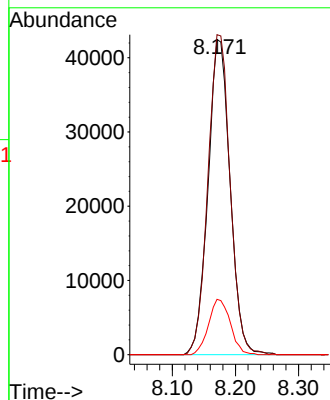
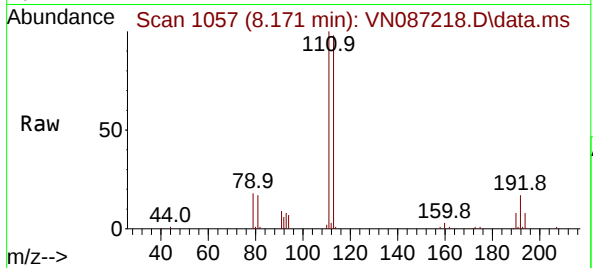




#35
 Dibromofluoromethane
 Concen: 42.920 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VN087218.D
 Acq: 27 Jun 2025 13:51

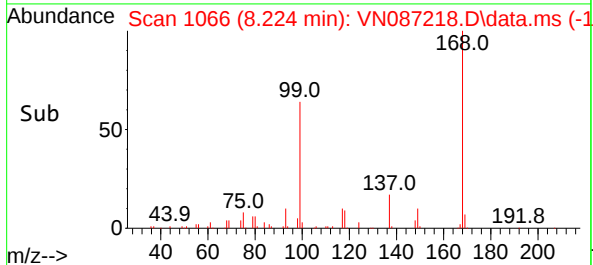
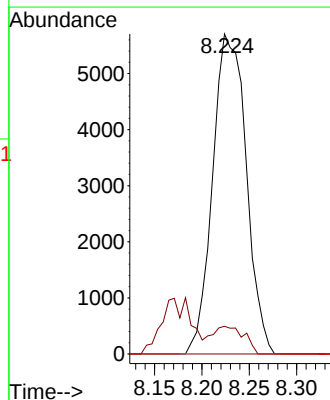
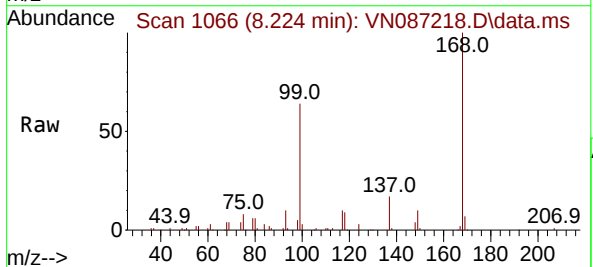
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-G/H

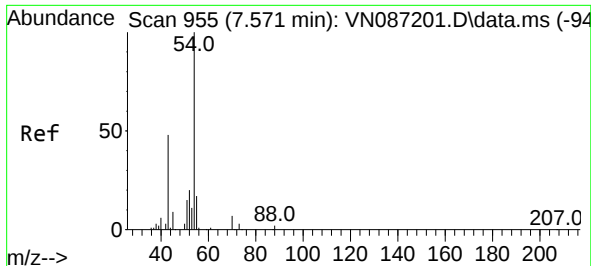
Tgt Ion:113 Resp: 103318
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 124.0
 192 17.3 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 3.982 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.159 min
 Lab File: VN087218.D
 Acq: 27 Jun 2025 13:51

Tgt Ion: 75 Resp: 14042
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.9 50.6#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.434 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN087218.D

Acq: 27 Jun 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

MH-G/H

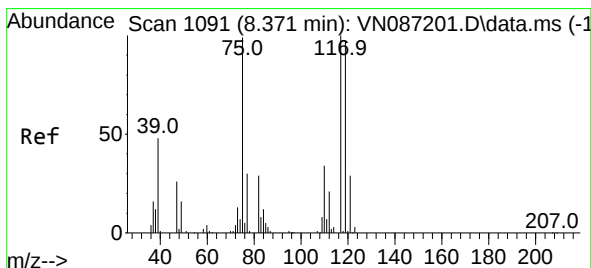
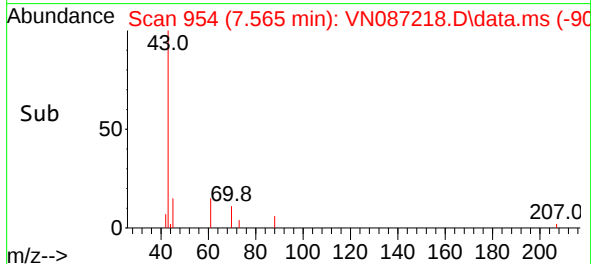
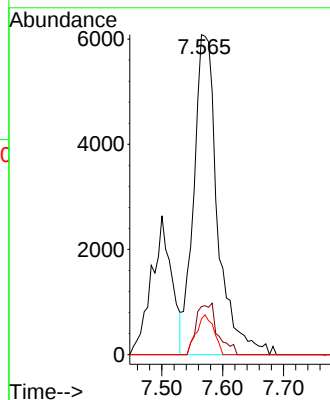
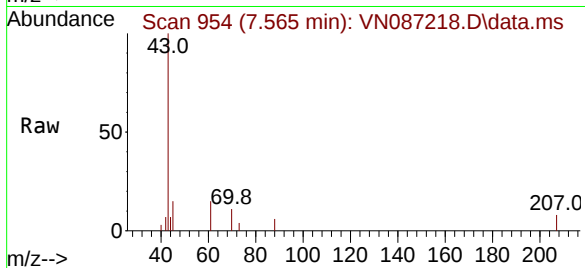
Tgt Ion: 43 Resp: 16643

Ion Ratio Lower Upper

43 100

61 14.2 10.8 16.2

70 9.1 8.9 13.3



#38

Carbon Tetrachloride

Concen: 5.029 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087218.D

Acq: 27 Jun 2025 13:51

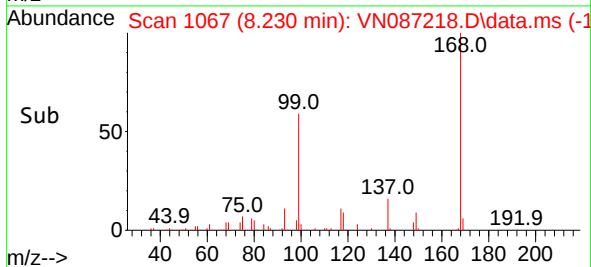
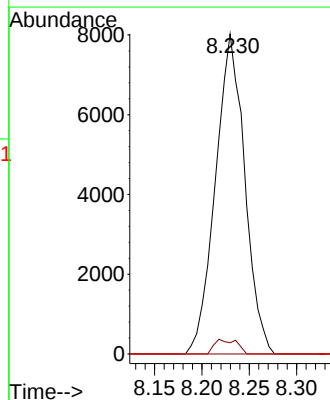
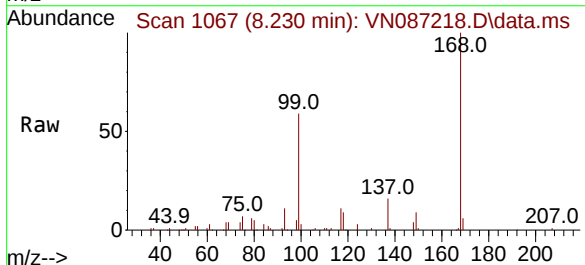
Tgt Ion: 117 Resp: 17271

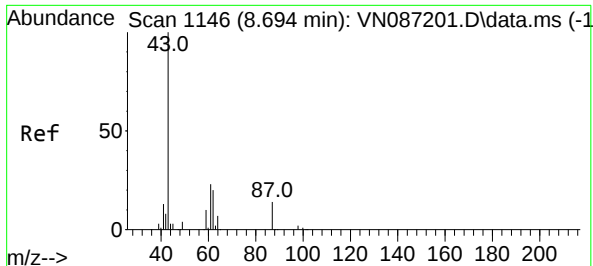
Ion Ratio Lower Upper

117 100

119 3.5 77.4 116.0#

121 0.0 23.2 34.8#

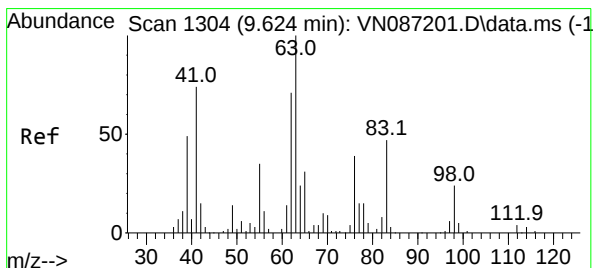
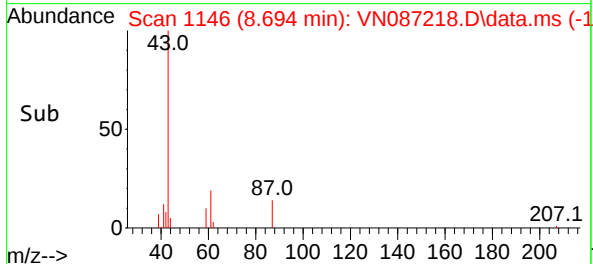
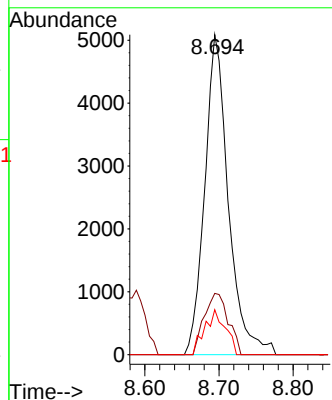
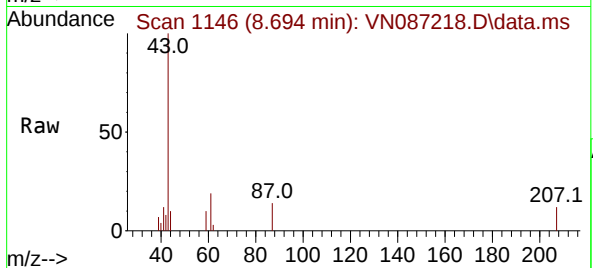




#43
Isopropyl Acetate
Concen: 1.739 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

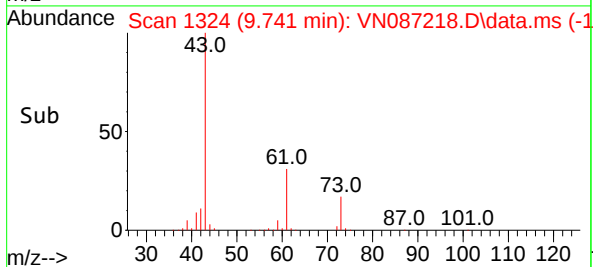
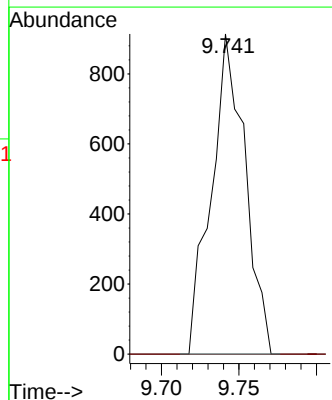
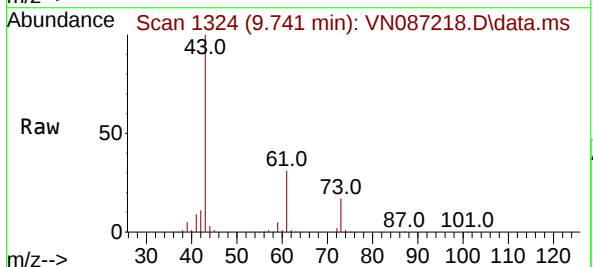
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

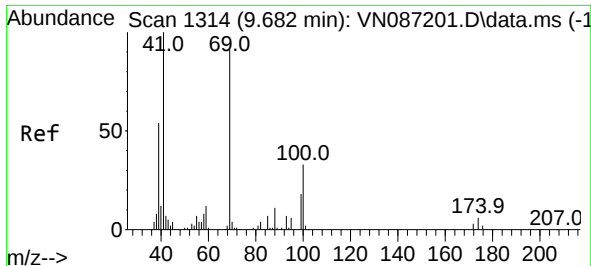
Tgt Ion:	43	Resp:	11275
Ion	Ratio	Lower	Upper
43	100		
61	19.5	21.0	31.6#
87	12.2	11.0	16.6



#45
1,2-Dichloropropane
Concen: 0.492 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion:	63	Resp:	1383
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.7	37.1#

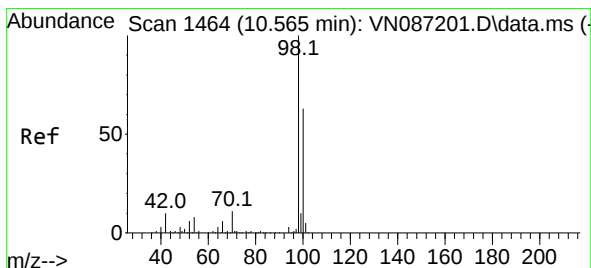
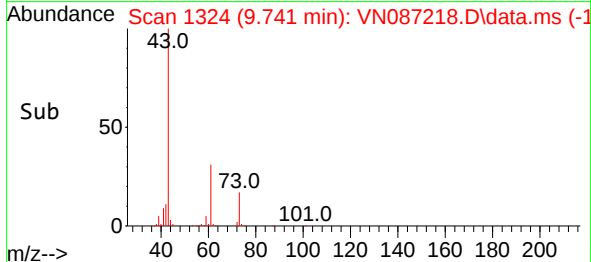
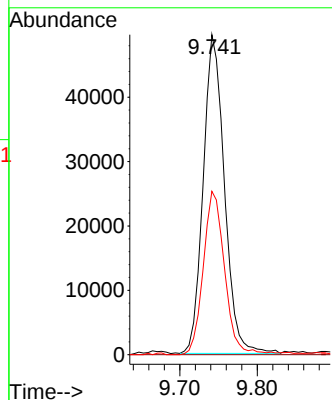
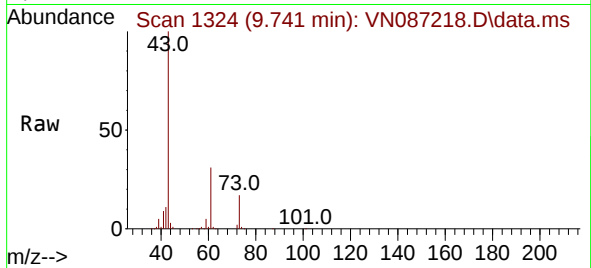




#48
Methyl methacrylate
Concen: 30.102 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

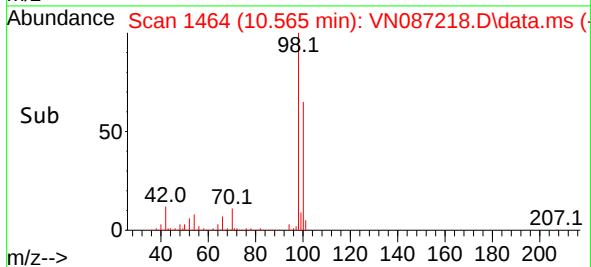
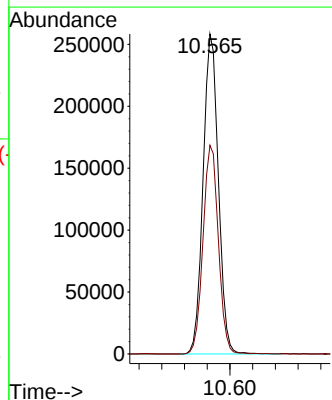
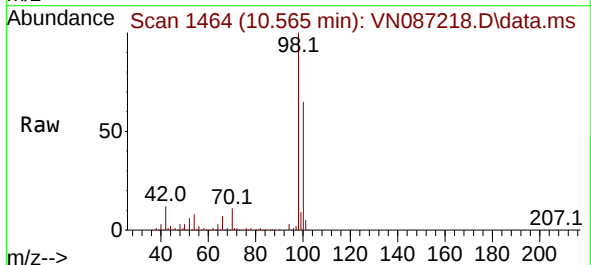
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

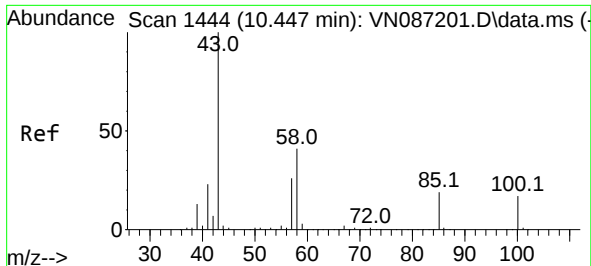
Tgt Ion: 41 Resp: 94338
Ion Ratio Lower Upper
41 100
69 0.0 69.9 104.9#
39 51.6 43.8 65.6



#50
Toluene-d8
Concen: 48.322 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion: 98 Resp: 481095
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

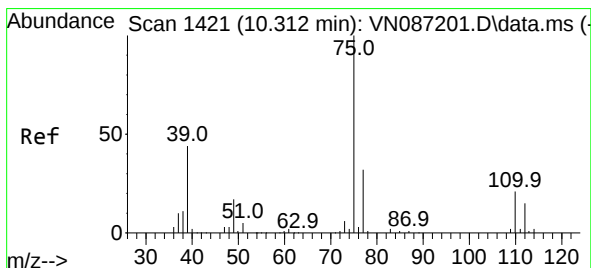
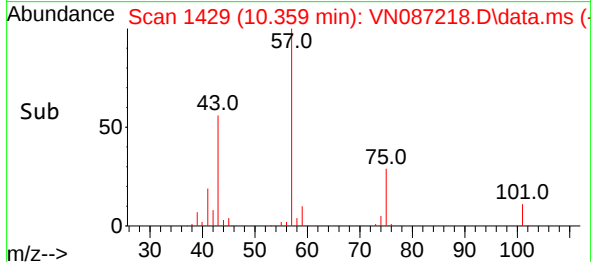
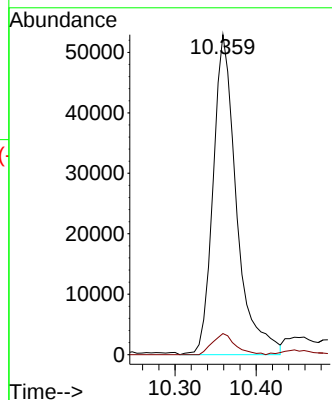
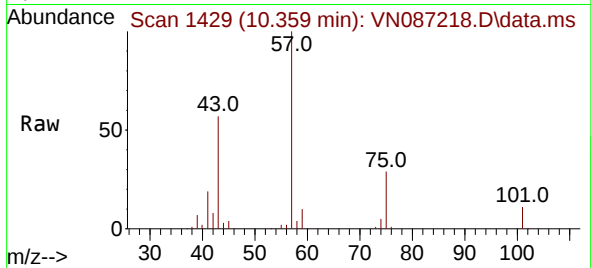




#51
4-Methyl-2-Pentanone
Concen: 20.217 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

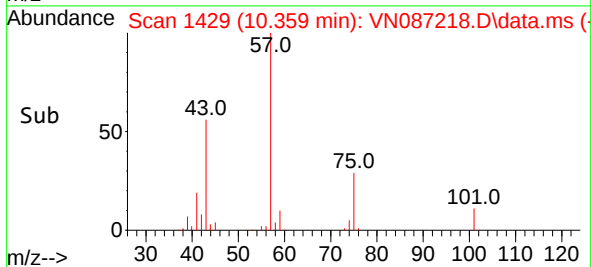
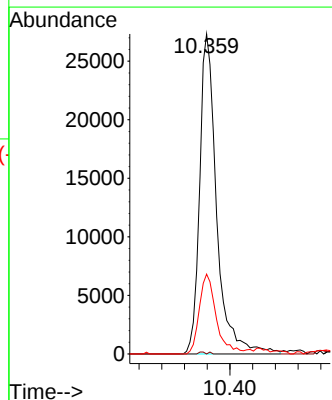
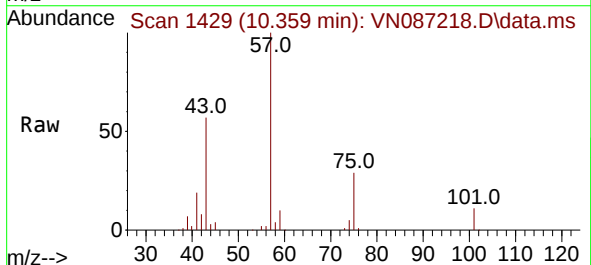
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

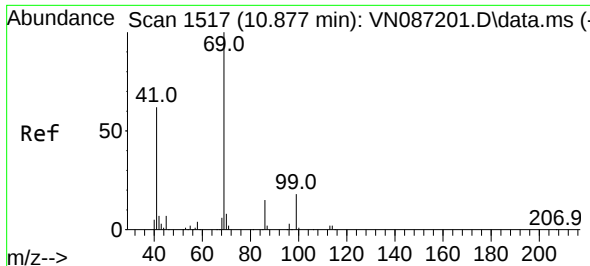
Tgt Ion: 43 Resp: 106156
Ion Ratio Lower Upper
43 100
58 6.4 32.6 48.8#



#54
cis-1,3-Dichloropropene
Concen: 12.521 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion: 75 Resp: 56776
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 25.0 34.9 52.3#

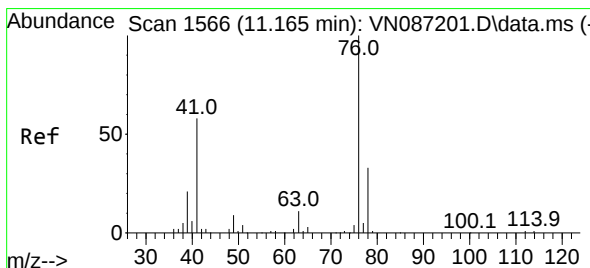
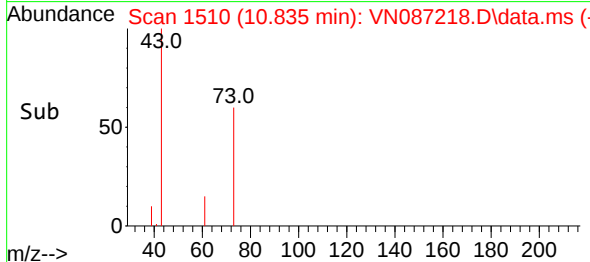
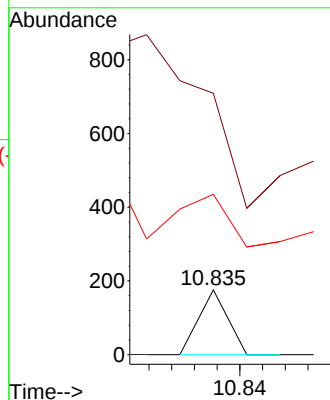
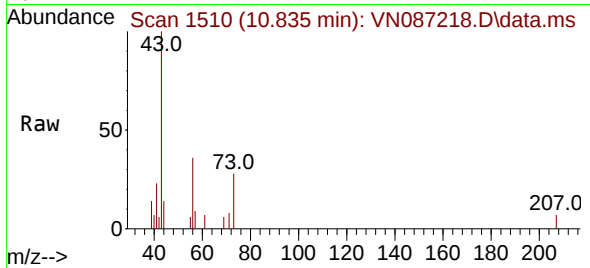




#56
Ethyl methacrylate
Concen: Below Cal
RT: 10.835 min Scan# 11
Delta R.T. -0.042 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

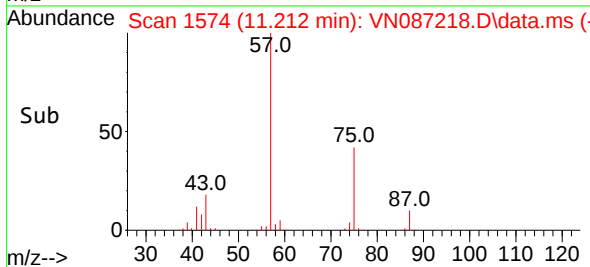
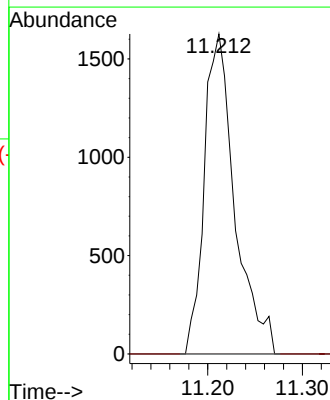
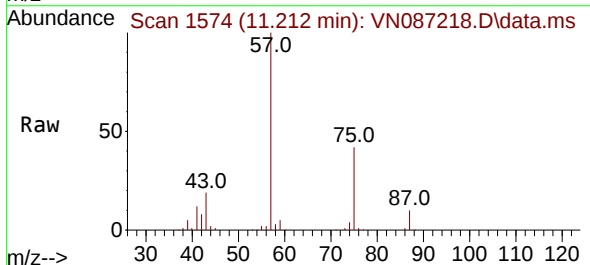
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

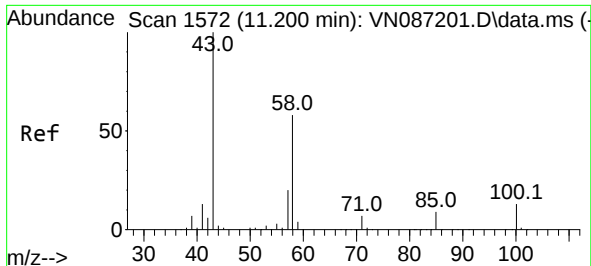
Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 0.0 48.4 72.6#
39 0.0 24.1 36.1#



#57
1,3-Dichloropropane
Concen: 0.783 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion: 76 Resp: 3644
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

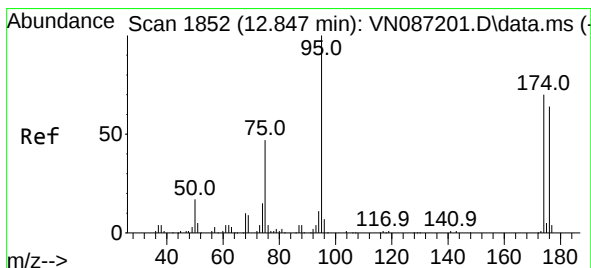
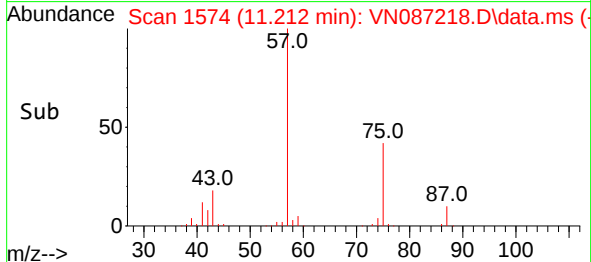
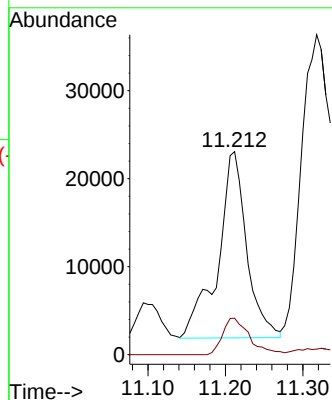
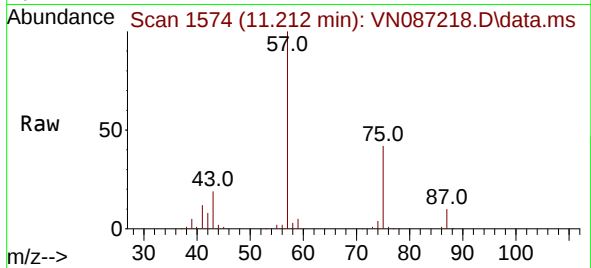




#59
2-Hexanone
Concen: 19.028 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

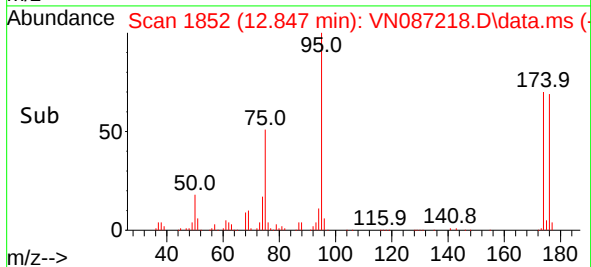
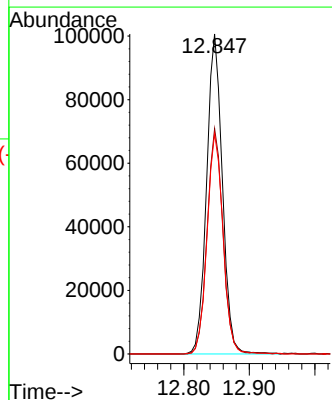
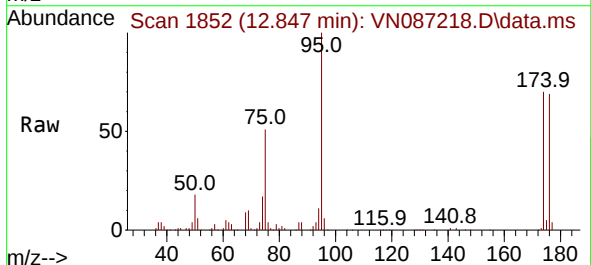
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

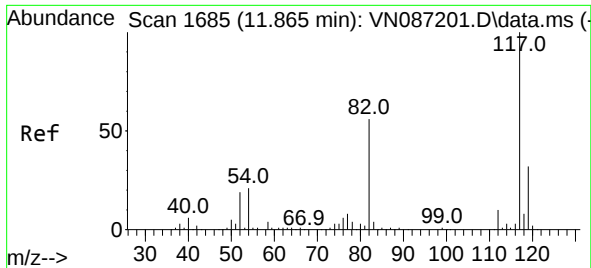
Tgt Ion: 43 Resp: 54873
Ion Ratio Lower Upper
43 100
58 18.3 31.1 93.3#



#62
4-Bromofluorobenzene
Concen: 48.619 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion: 95 Resp: 167961
Ion Ratio Lower Upper
95 100
174 70.4 0.0 142.2
176 69.8 0.0 134.8

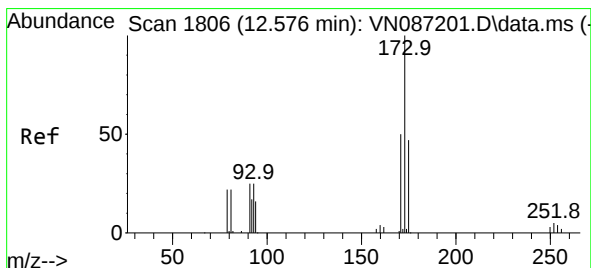
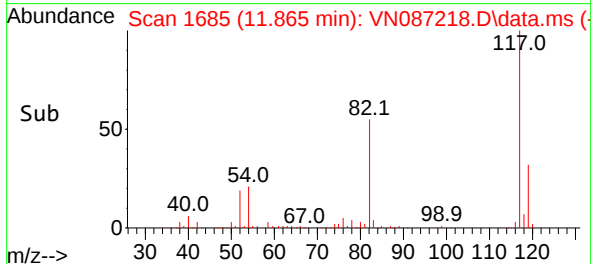
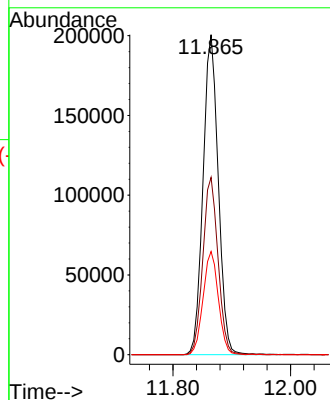
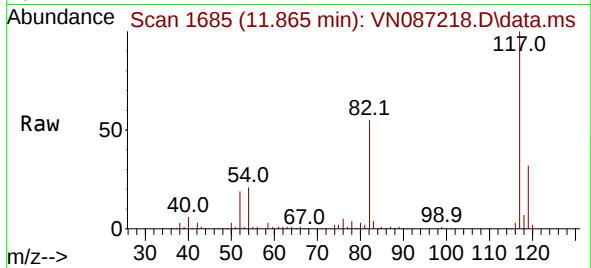




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

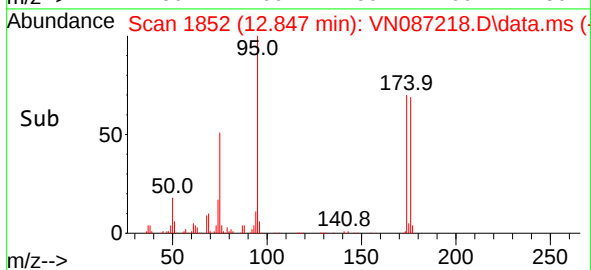
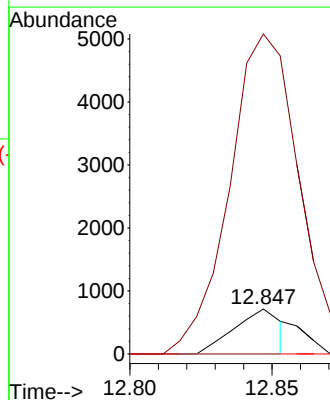
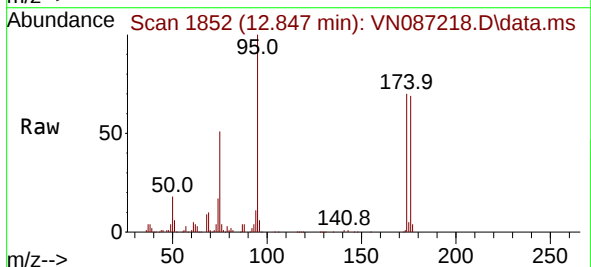
Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

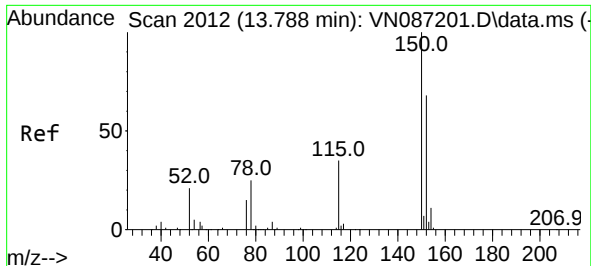
Tgt Ion:117 Resp: 359869
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 32.3 25.9 38.9



#71
Bromoform
Concen: 0.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Tgt Ion:173 Resp: 814
Ion Ratio Lower Upper
173 100
175 831.2 23.8 71.2#
254 0.0 0.0 0.0

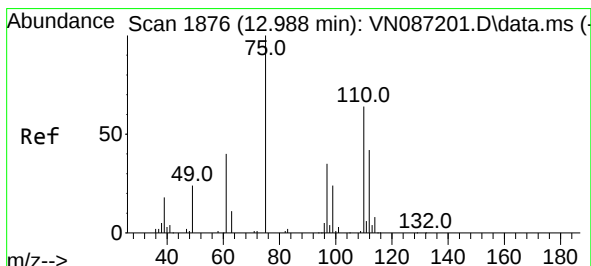
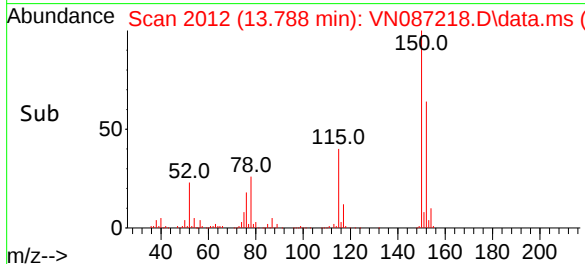
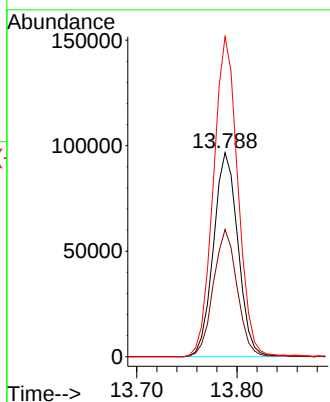
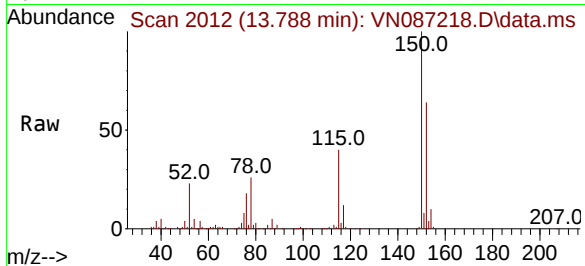




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN087218.D
 Acq: 27 Jun 2025 13:51

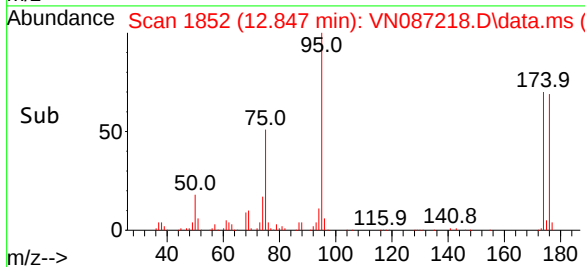
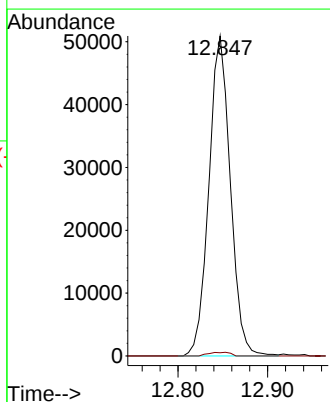
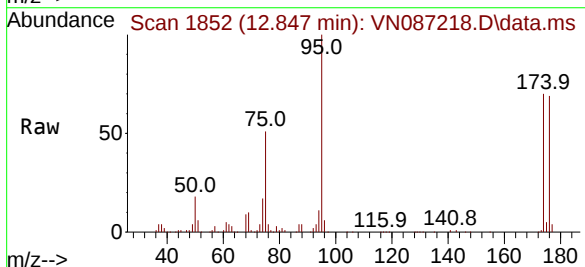
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-G/H

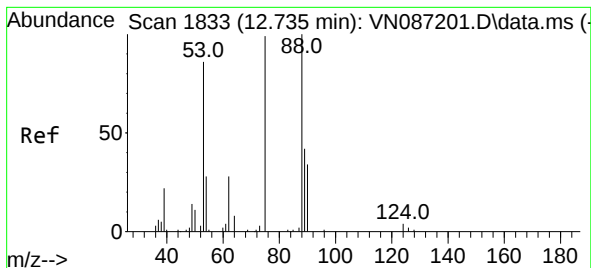
Tgt Ion:152 Resp: 163687
 Ion Ratio Lower Upper
 152 100
 115 61.1 30.6 91.8
 150 157.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 23.191 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN087218.D
 Acq: 27 Jun 2025 13:51

Tgt Ion: 75 Resp: 84696
 Ion Ratio Lower Upper
 75 100
 77 1.1 85.5 256.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 52.050 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087218.D
Acq: 27 Jun 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
MH-G/H

Tgt Ion: 75 Resp: 84696
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.1 37.9 56.9#

