

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
 Data File : VN087970.D
 Acq On : 26 Sep 2025 16:31
 Operator : JC\MD
 Sample : Q3183-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Sep 27 01:28:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

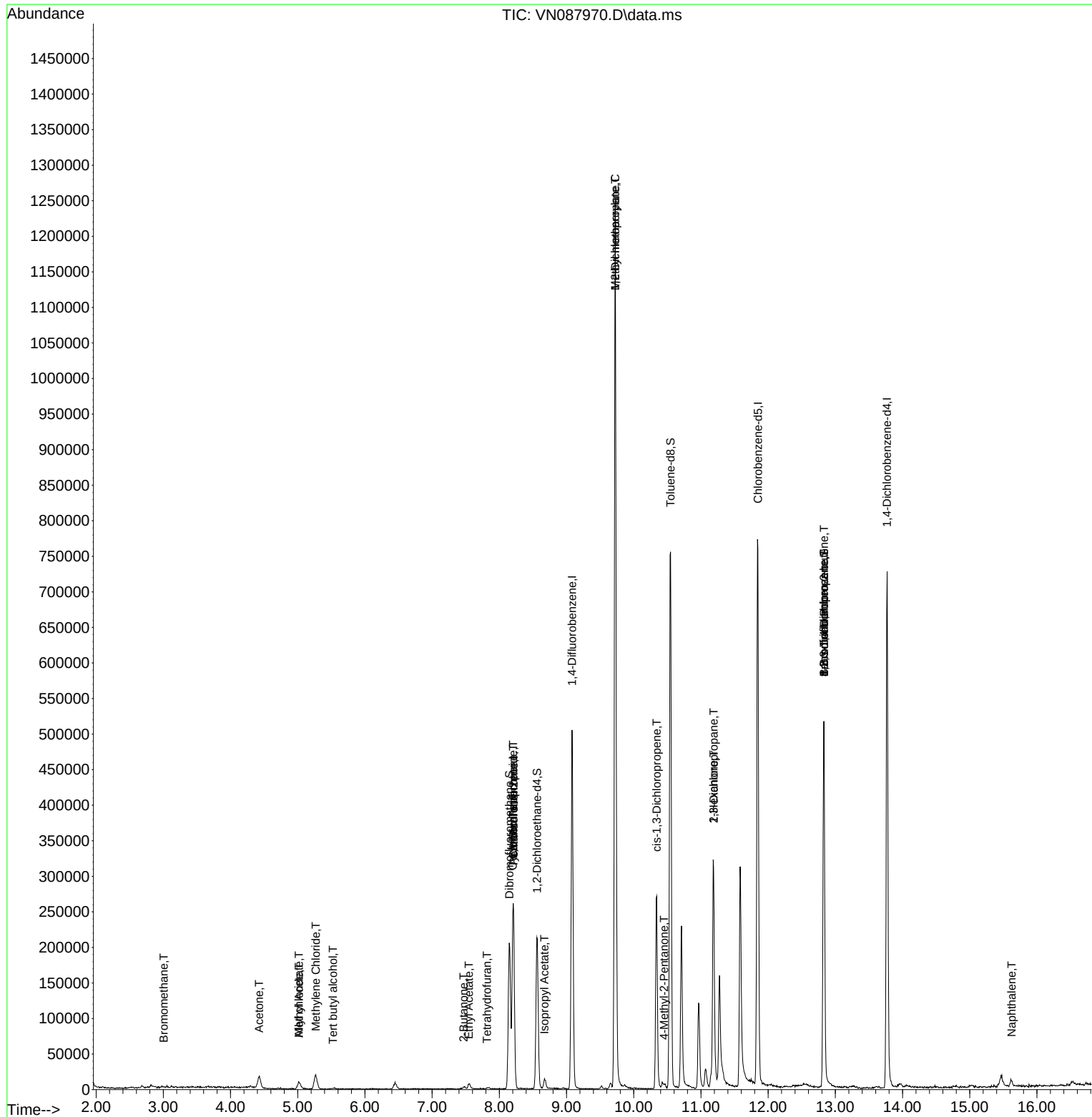
Internal Standards						
1) Pentafluorobenzene	8.212	168	186038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	417660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	434715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	197936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	177640	56.738	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.480%			
35) Dibromofluoromethane	8.147	113	150016	49.470	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.940%			
50) Toluene-d8	10.547	98	537207	50.376	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.829	95	181935	47.730	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.460%			
Target Compounds					Qvalue	
5) Bromomethane	3.007	94	366	0.262	ug/l #	2
11) Tert butyl alcohol	5.524	59	1473	3.266	ug/l #	71
14) Allyl chloride	5.018	41	706	0.222	ug/l #	33
16) Acetone	4.424	43	30966	24.039	ug/l	90
18) Methyl Acetate	5.018	43	20262	6.285	ug/l	97
20) Methylene Chloride	5.271	84	15845	6.077	ug/l #	82
25) 2-Butanone	7.471	43	5051	2.565	ug/l #	77
29) Tetrahydrofuran	7.818	42	498	0.395	ug/l #	32
31) Cyclohexane	8.200	56	4477	1.275	ug/l #	35
36) 1,1-Dichloropropene	8.206	75	16947	4.648	ug/l #	46
37) Ethyl Acetate	7.547	43	12913	2.697	ug/l #	96
38) Carbon Tetrachloride	8.206	117	21205	5.068	ug/l #	18
43) Isopropyl Acetate	8.671	43	15785	2.094	ug/l	93
45) 1,2-Dichloropropane	9.724	63	1583	0.523	ug/l #	43
48) Methyl methacrylate	9.724	41	116852	33.479	ug/l #	42
51) 4-Methyl-2-Pentanone	10.453	43	4402	0.936	ug/l #	36
54) cis-1,3-Dichloropropene	10.341	75	48459	9.730	ug/l #	73
57) 1,3-Dichloropropane	11.188	76	3706	0.731	ug/l #	42
59) 2-Hexanone	11.188	43	62277	20.026	ug/l #	51
71) Bromoform	12.829	173	1787	0.660	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	100322	25.712	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	100322	71.398	ug/l #	9
95) Naphthalene	15.623	128	10805	0.929	ug/l #	86

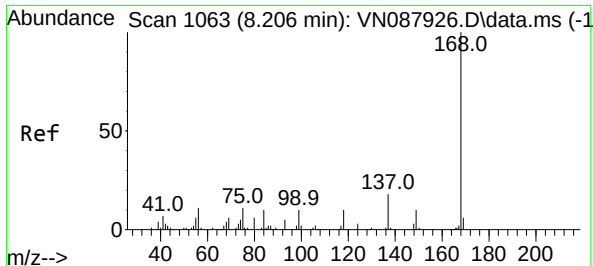
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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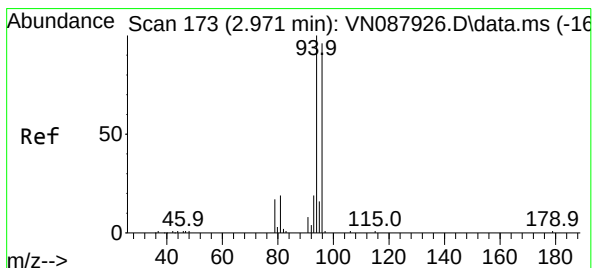
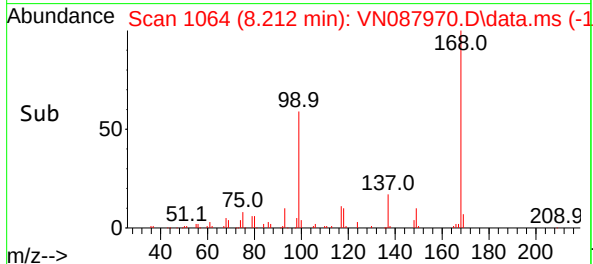
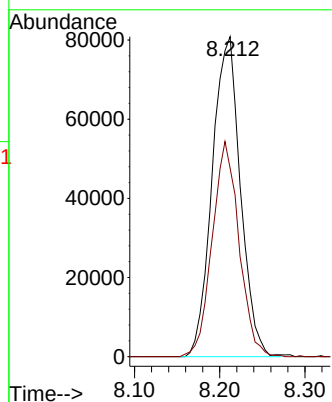
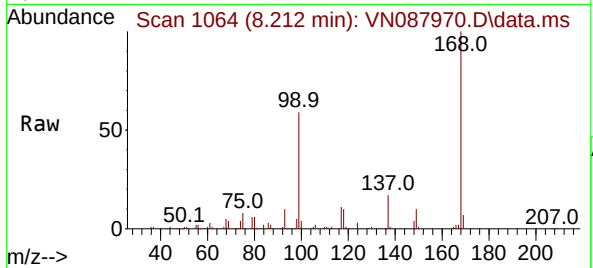




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

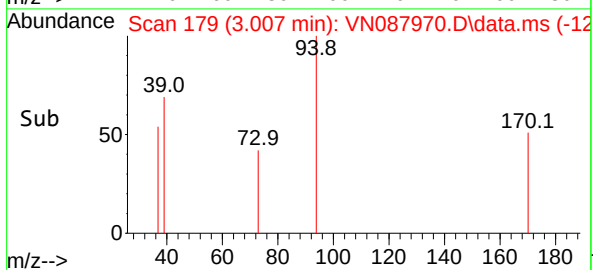
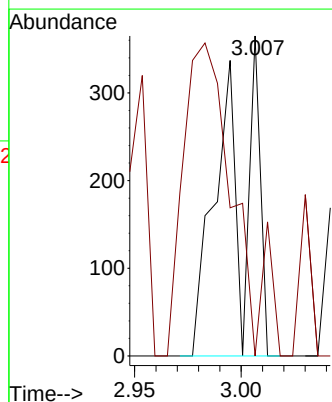
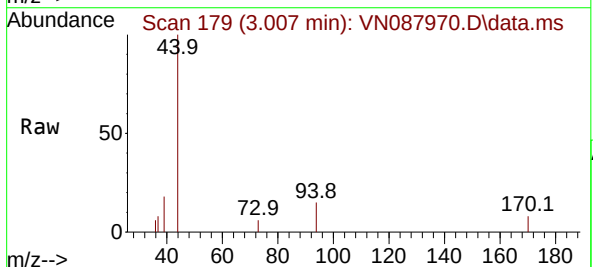
Instrument :
MSVOA_N
ClientSampleId :
WC-1

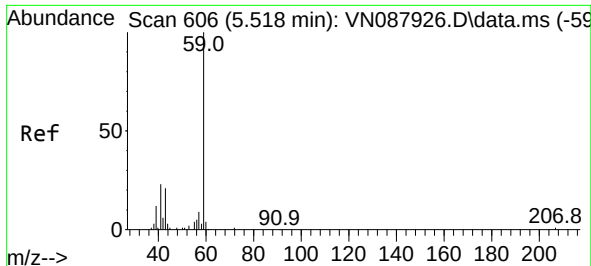
Tgt Ion:168 Resp: 186038
Ion Ratio Lower Upper
168 100
99 58.9 52.2 78.2



#5
Bromomethane
Concen: 0.262 ug/l
RT: 3.007 min Scan# 179
Delta R.T. 0.035 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 0.0 76.8 115.2#

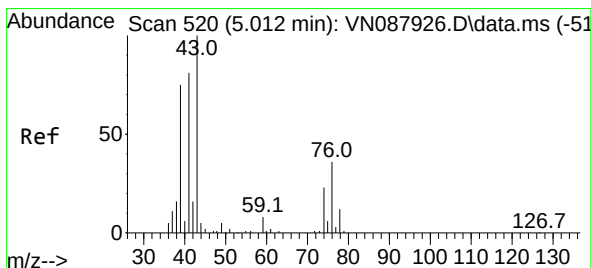
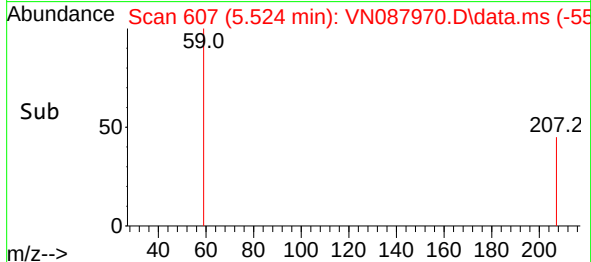
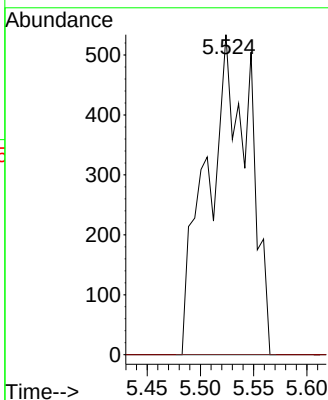
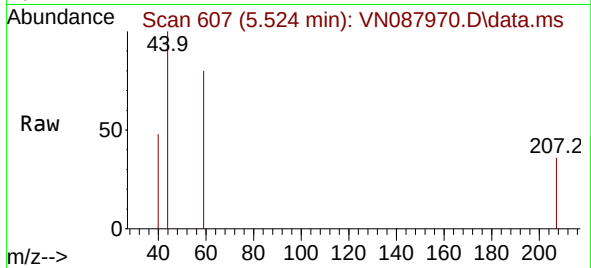




#11
Tert butyl alcohol
Concen: 3.266 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

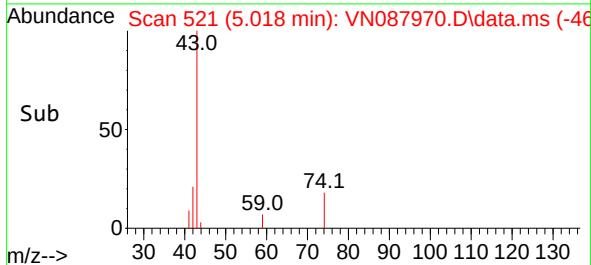
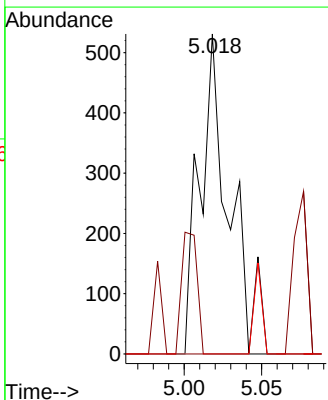
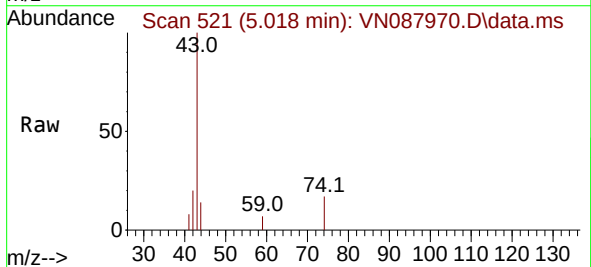
Instrument :
MSVOA_N
ClientSampleId :
WC-1

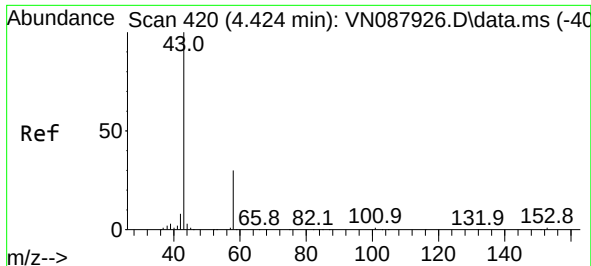
Tgt Ion: 59 Resp: 1473
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#14
Allyl chloride
Concen: 0.222 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 41 Resp: 706
Ion Ratio Lower Upper
41 100
39 20.0 63.8 95.8#
76 0.0 33.0 49.6#

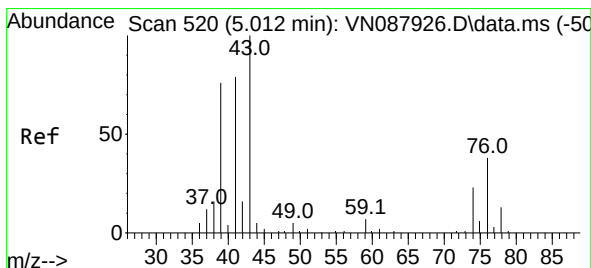
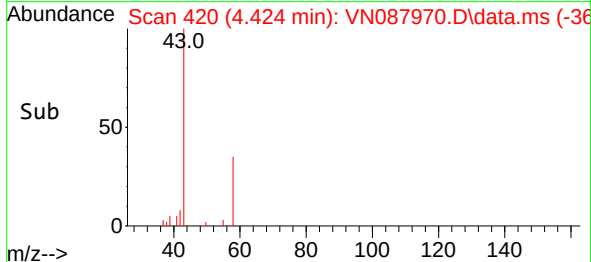
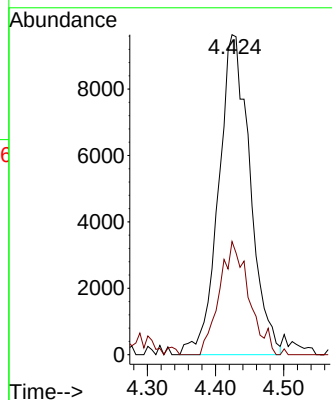
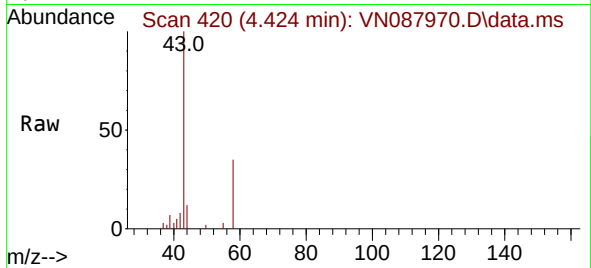




#16
Acetone
Concen: 24.039 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

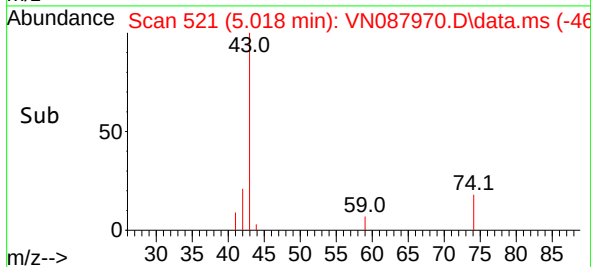
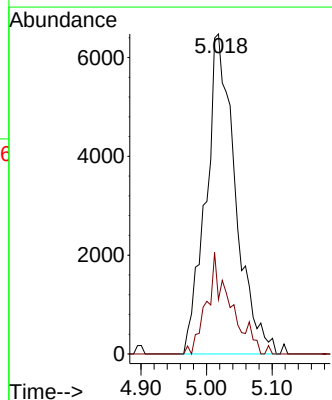
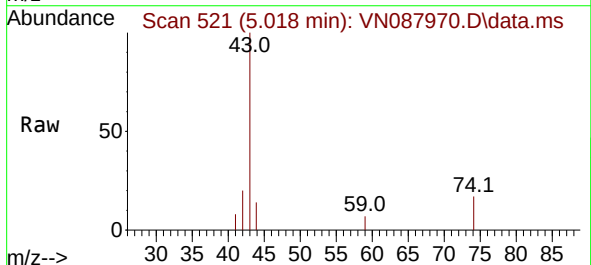
Instrument :
MSVOA_N
ClientSampleId :
WC-1

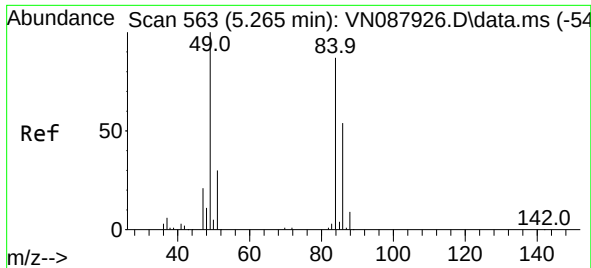
Tgt Ion: 43 Resp: 30966
Ion Ratio Lower Upper
43 100
58 35.3 24.1 36.1



#18
Methyl Acetate
Concen: 6.285 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 43 Resp: 20262
Ion Ratio Lower Upper
43 100
74 23.1 19.7 29.5

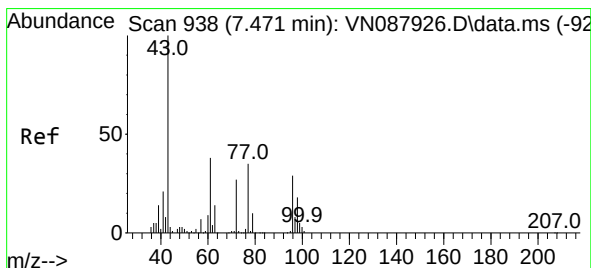
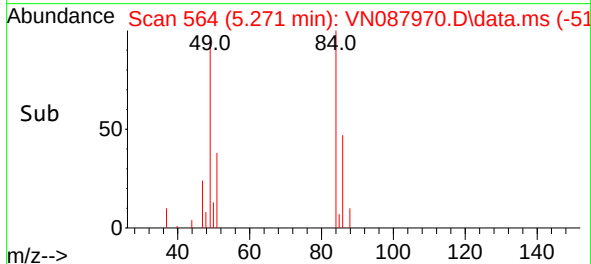
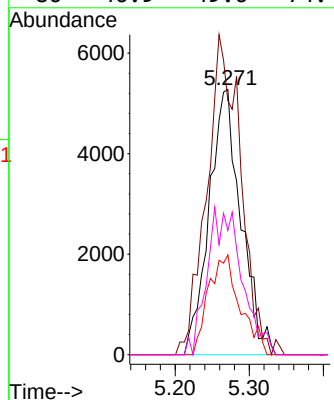
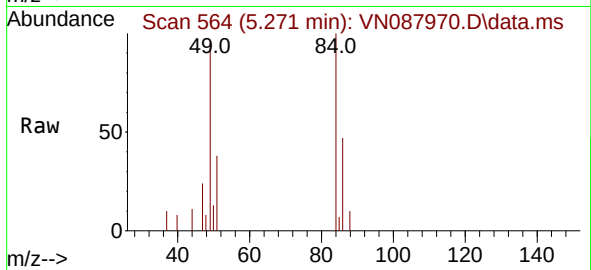




#20
Methylene Chloride
Concen: 6.077 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

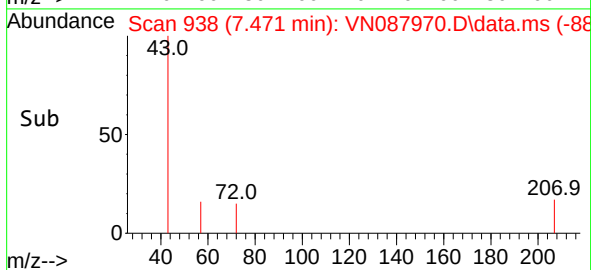
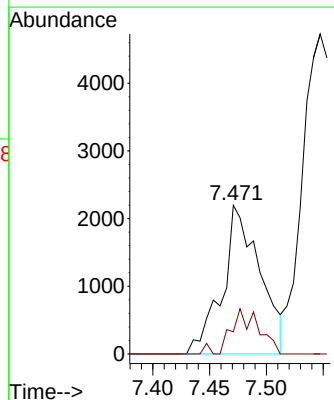
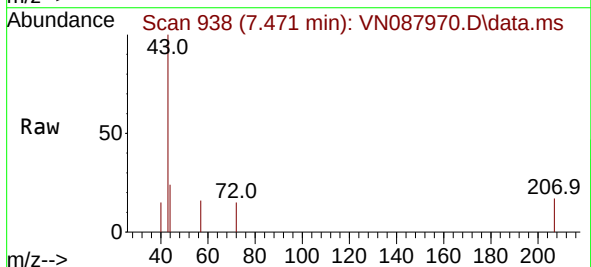
Instrument :
MSVOA_N
ClientSampleId :
WC-1

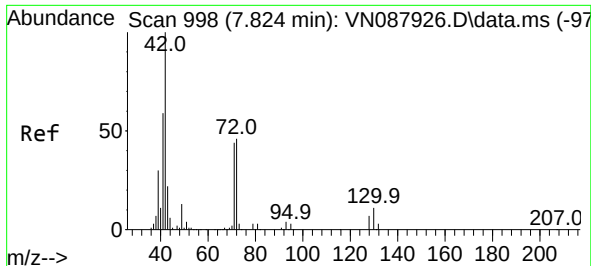
Tgt Ion:	84	Resp:	15845
Ion	Ratio	Lower	Upper
84	100		
49	92.8	92.1	138.1
51	37.6	27.7	41.5
86	46.9	49.6	74.4#



#25
2-Butanone
Concen: 2.565 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion:	43	Resp:	5051
Ion	Ratio	Lower	Upper
43	100		
72	15.0	21.5	32.3#





#29

Tetrahydrofuran

Concen: 0.395 ug/l

RT: 7.818 min Scan# 998

Delta R.T. -0.006 min

Lab File: VN087970.D

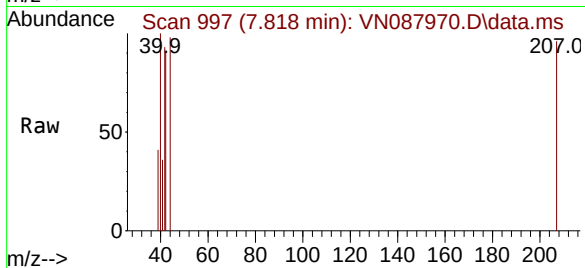
Acq: 26 Sep 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

WC-1



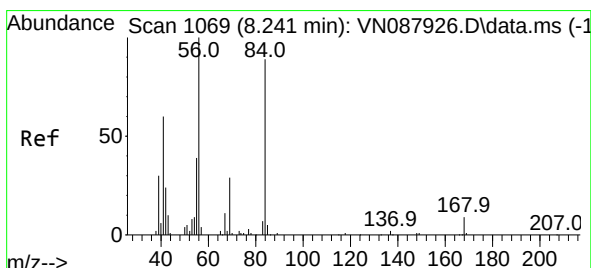
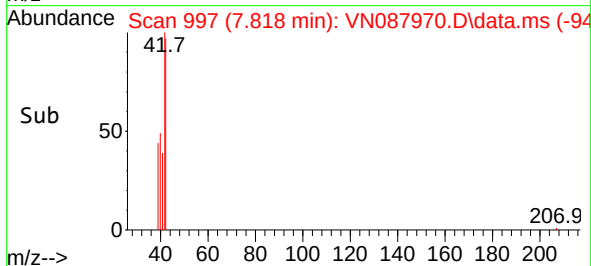
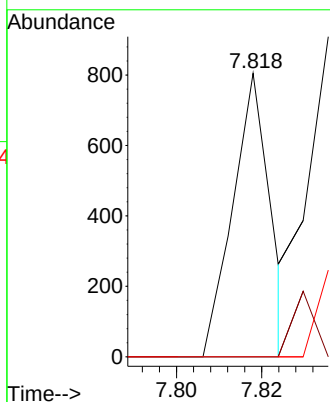
Tgt Ion: 42 Resp: 498

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 0.0 33.8 50.8#



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.041 min

Lab File: VN087970.D

Acq: 26 Sep 2025 16:31

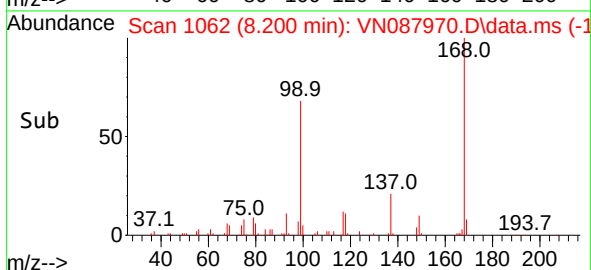
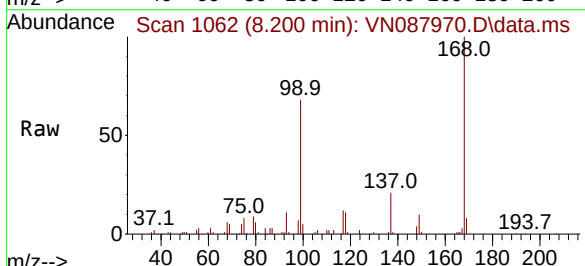
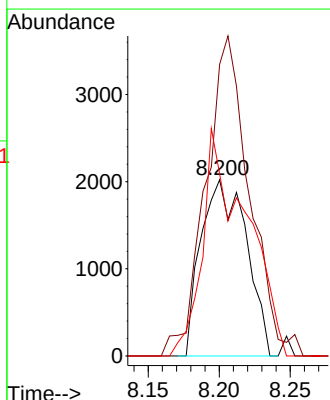
Tgt Ion: 56 Resp: 4477

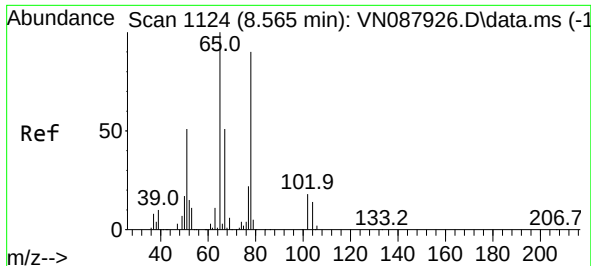
Ion Ratio Lower Upper

56 100

69 156.2 23.4 35.0#

84 95.6 70.8 106.2

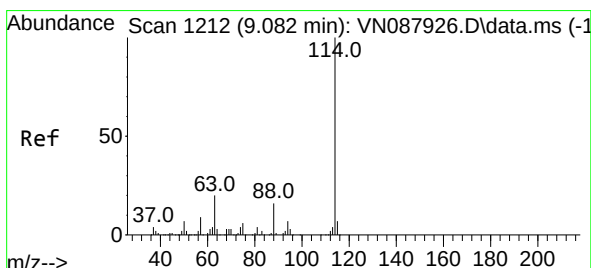
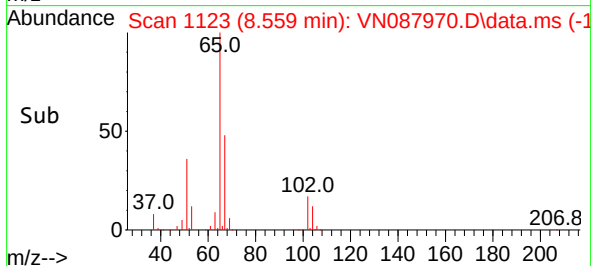
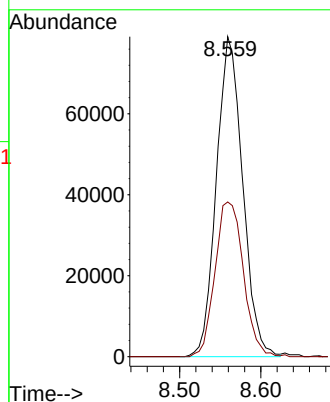
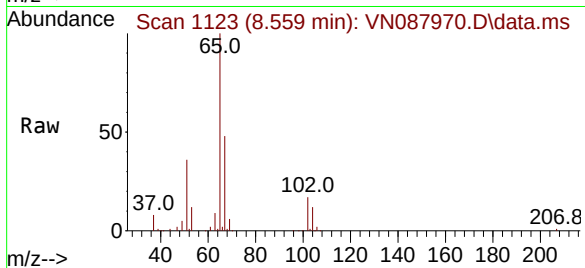




#33
 1,2-Dichloroethane-d4
 Concen: 56.738 ug/l
 RT: 8.559 min Scan# 1123
 Delta R.T. -0.006 min
 Lab File: VN087970.D
 Acq: 26 Sep 2025 16:31

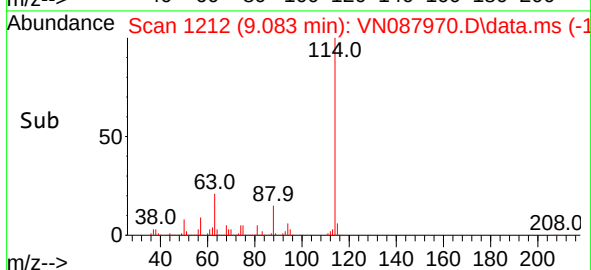
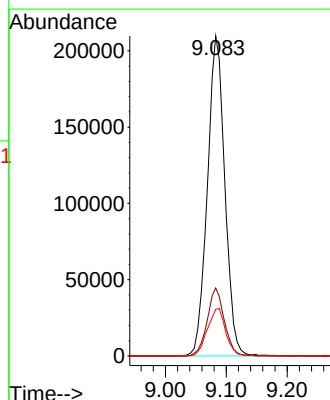
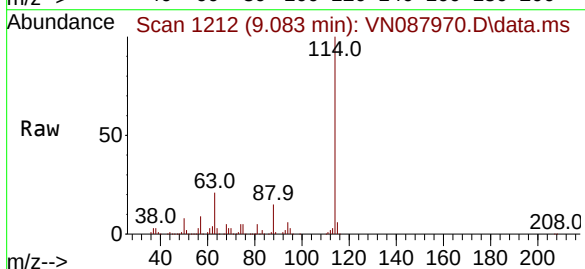
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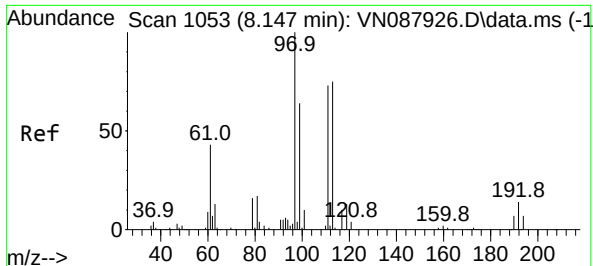
Tgt Ion: 65 Resp: 177640
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.083 min Scan# 1212
 Delta R.T. 0.000 min
 Lab File: VN087970.D
 Acq: 26 Sep 2025 16:31

Tgt Ion:114 Resp: 417660
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.0
 88 14.6 0.0 31.8

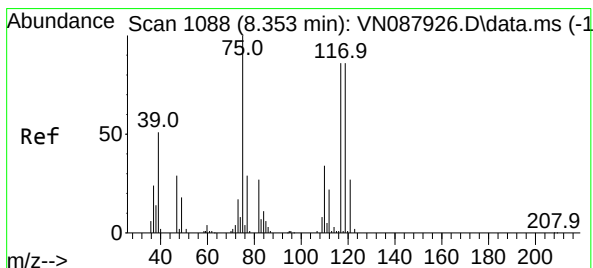
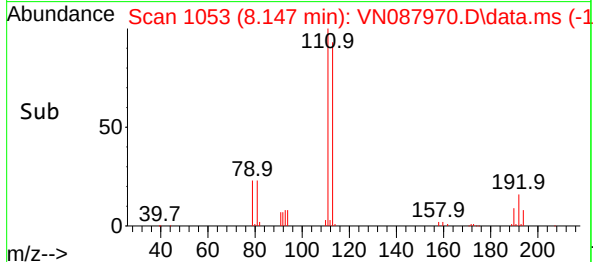
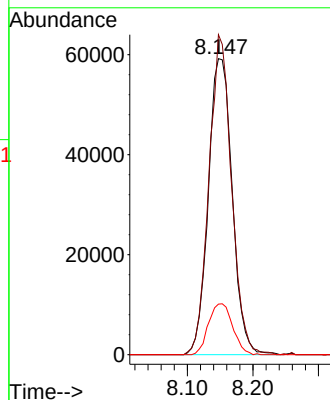
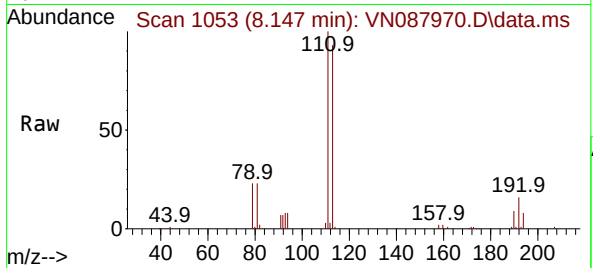




#35
Dibromofluoromethane
Concen: 49.470 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

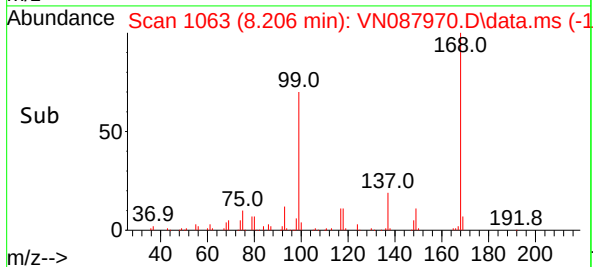
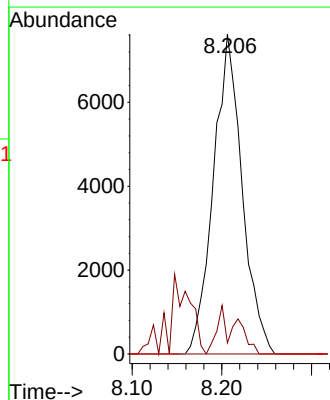
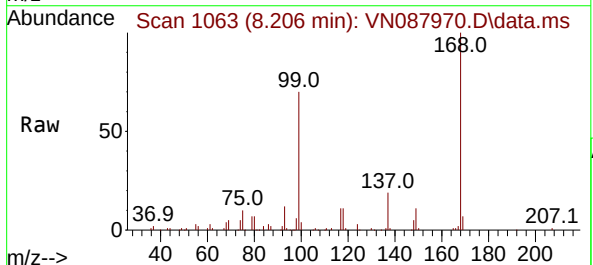
Instrument :
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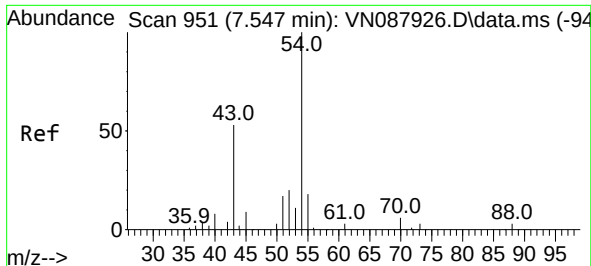
Tgt Ion:113 Resp: 150016
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 17.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 75 Resp: 16947
Ion Ratio Lower Upper
75 100
110 4.6 17.1 51.3#
77 0.0 24.8 37.2#

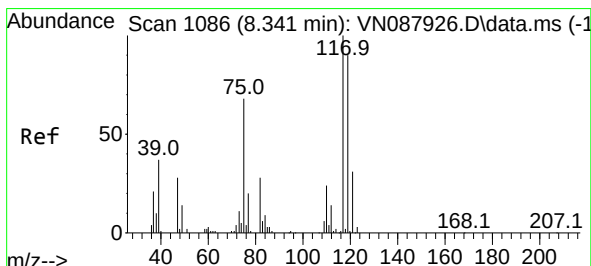
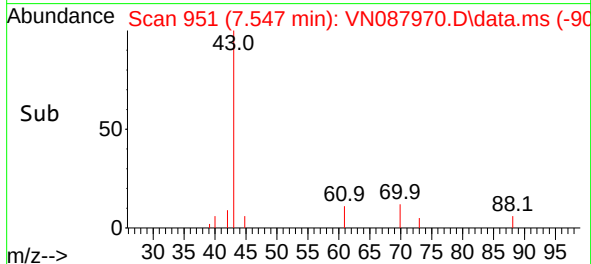
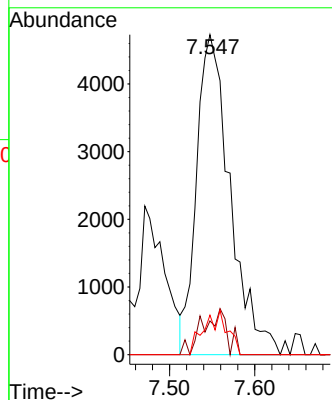
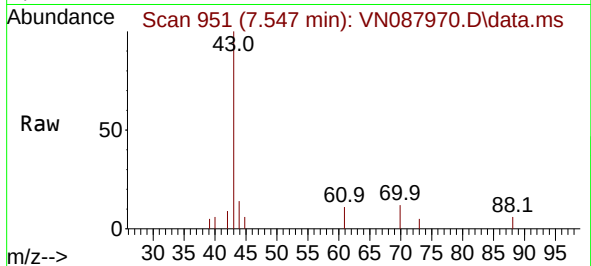




#37
Ethyl Acetate
Concen: 2.697 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

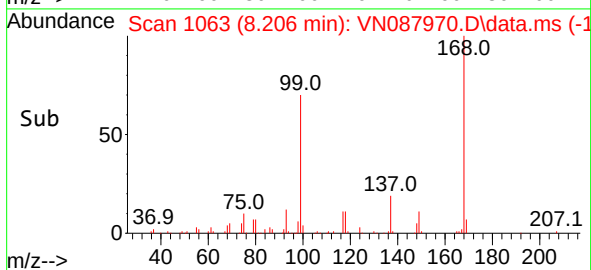
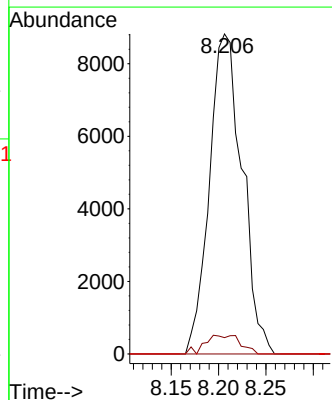
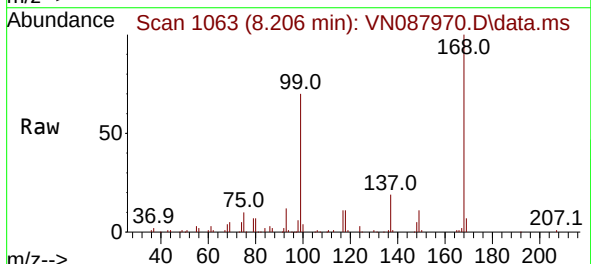
Instrument :
MSVOA_N
ClientSampleId :
WC-1

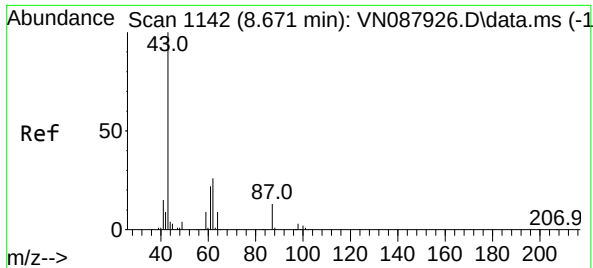
Tgt Ion: 43 Resp: 12913
Ion Ratio Lower Upper
43 100
61 10.6 10.7 16.1#
70 9.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 5.068 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 117 Resp: 21205
Ion Ratio Lower Upper
117 100
119 5.1 72.1 108.1#
121 0.0 24.6 36.8#

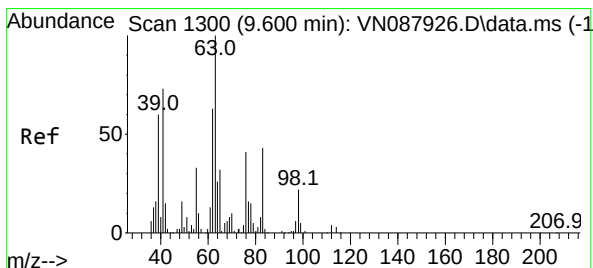
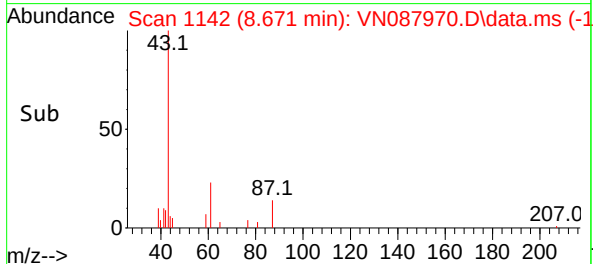
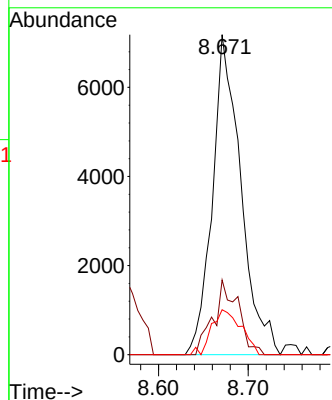
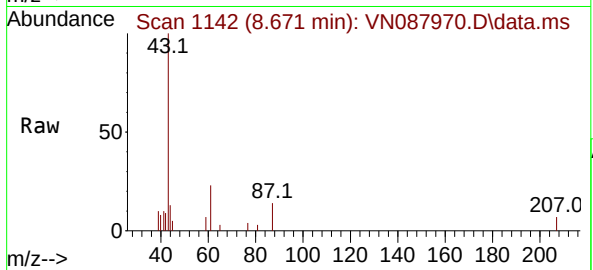




#43
Isopropyl Acetate
Concen: 2.094 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

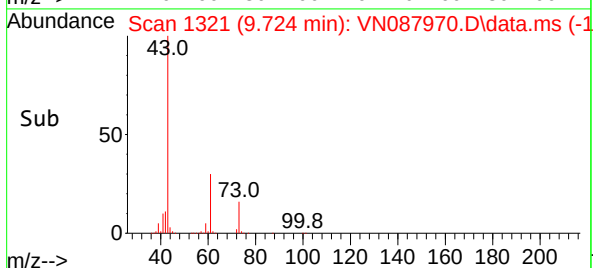
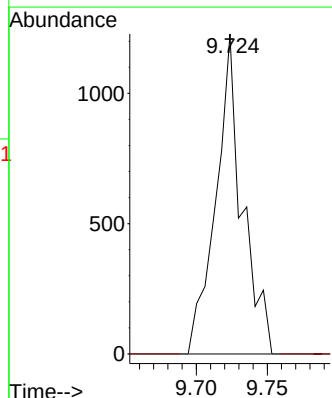
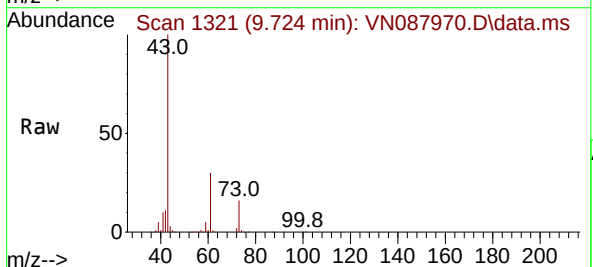
Instrument :
MSVOA_N
ClientSampleId :
WC-1

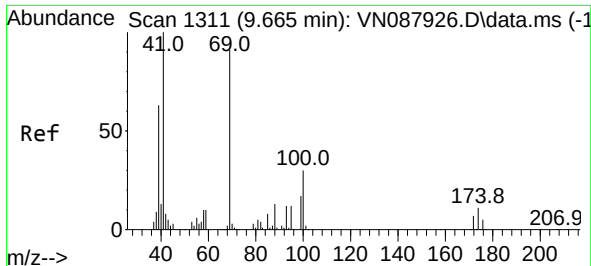
Tgt Ion: 43	Resp: 15785
Ion Ratio	Lower Upper
43 100	
61 20.4	20.2 30.2
87 14.6	10.9 16.3



#45
1,2-Dichloropropane
Concen: 0.523 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.124 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 63	Resp: 1583		
Ion Ratio	Lower	Upper	
63 100			
65 0.0	25.4	38.0#	

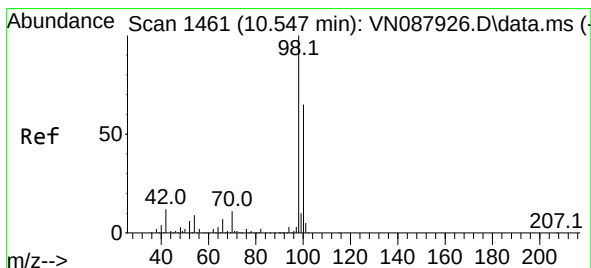
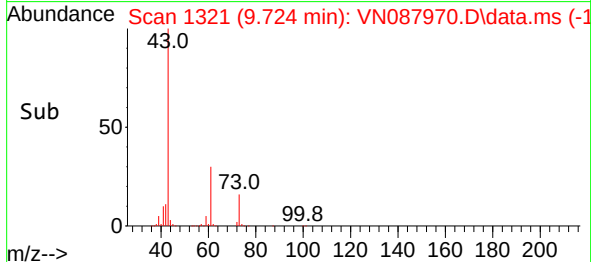
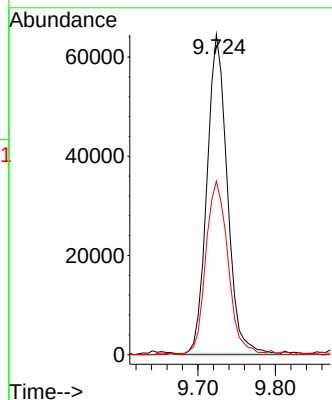
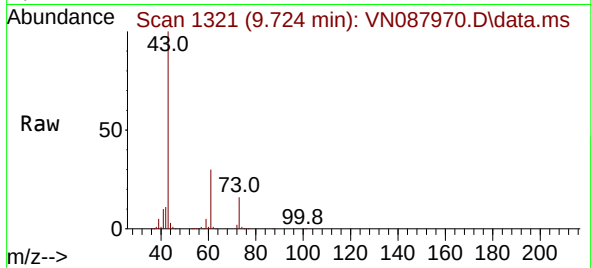




#48
Methyl methacrylate
Concen: 33.479 ug/l
RT: 9.724 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

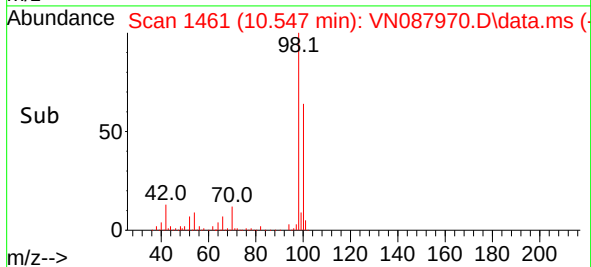
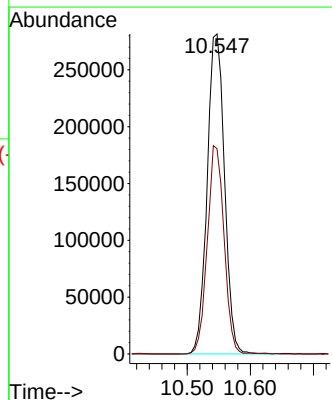
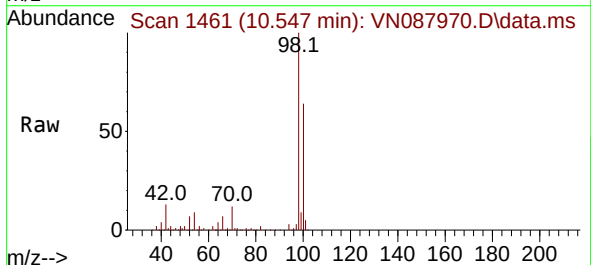
Instrument :
MSVOA_N
ClientSampleId :
WC-1

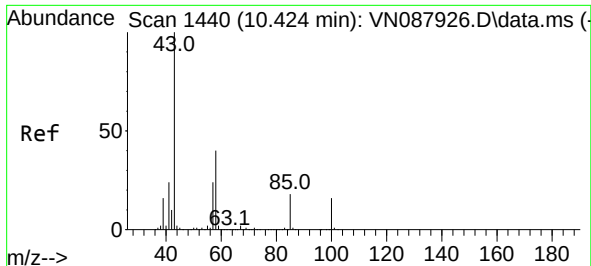
Tgt Ion: 41 Resp: 116852
Ion Ratio Lower Upper
41 100
69 0.0 70.9 106.3#
39 58.8 52.9 79.3



#50
Toluene-d8
Concen: 50.376 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 98 Resp: 537207
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5

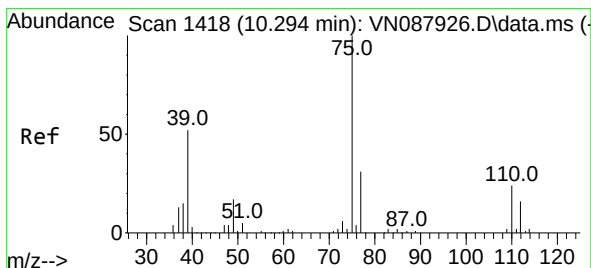
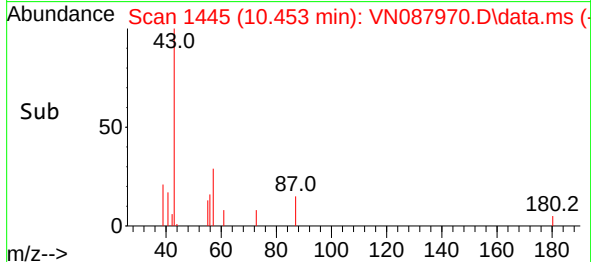
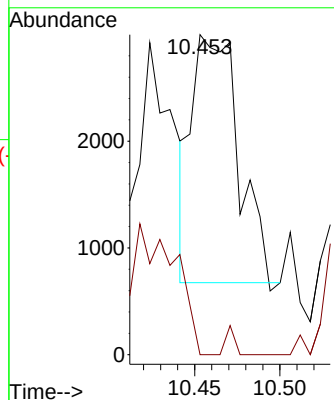
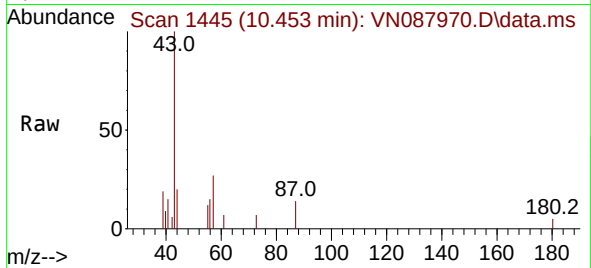




#51
4-Methyl-2-Pentanone
Concen: 0.936 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.030 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

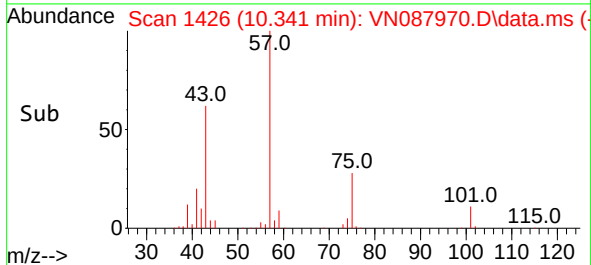
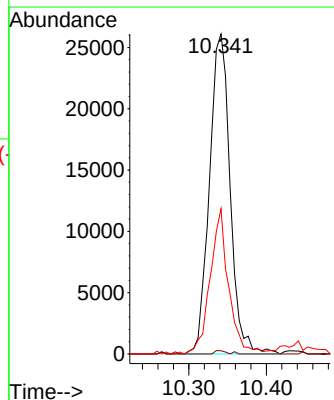
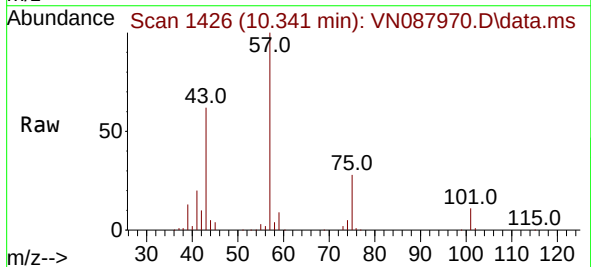
Instrument :
MSVOA_N
ClientSampleId :
WC-1

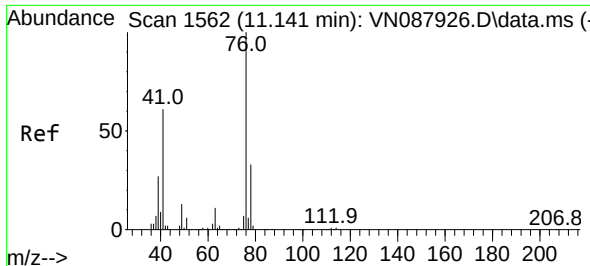
Tgt Ion: 43 Resp: 4402
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.6#



#54
cis-1,3-Dichloropropene
Concen: 9.730 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. 0.047 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 75 Resp: 48459
Ion Ratio Lower Upper
75 100
77 1.0 24.7 37.1#
39 44.8 41.4 62.0





#57

1,3-Dichloropropane

Concen: 0.731 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.047 min

Lab File: VN087970.D

Acq: 26 Sep 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

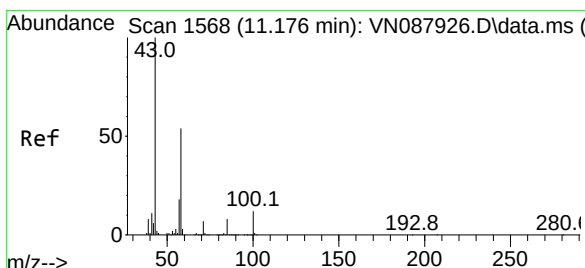
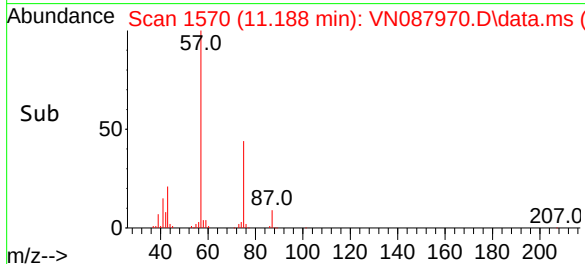
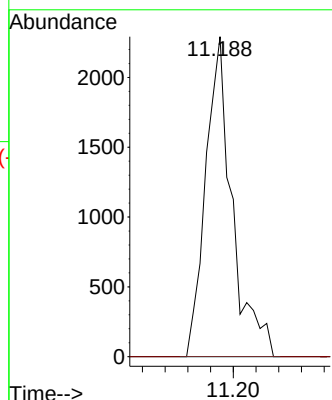
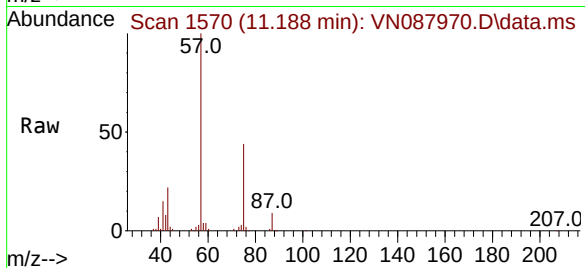
WC-1

Tgt Ion: 76 Resp: 3706

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 20.026 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.012 min

Lab File: VN087970.D

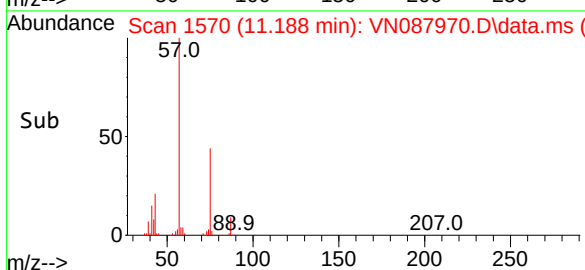
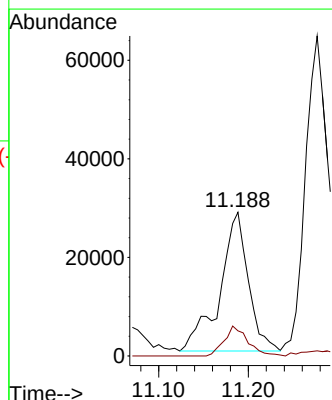
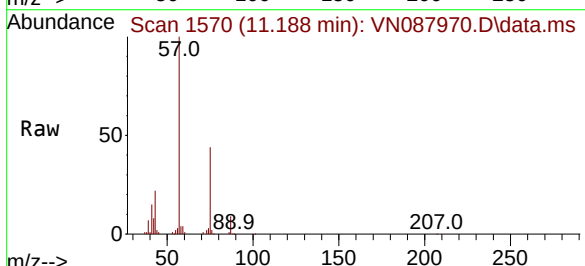
Acq: 26 Sep 2025 16:31

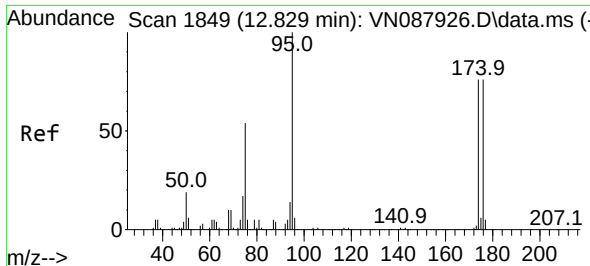
Tgt Ion: 43 Resp: 62277

Ion Ratio Lower Upper

43 100

58 17.8 26.4 79.2#

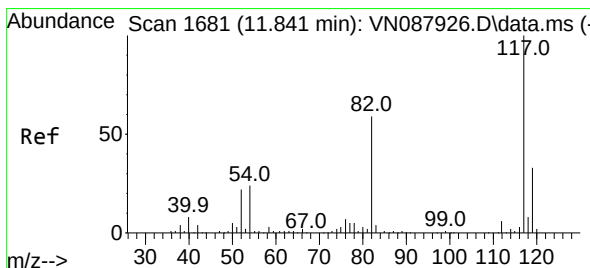
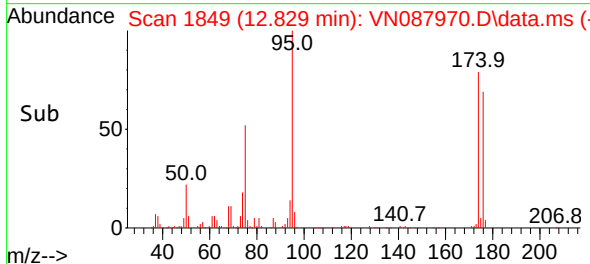
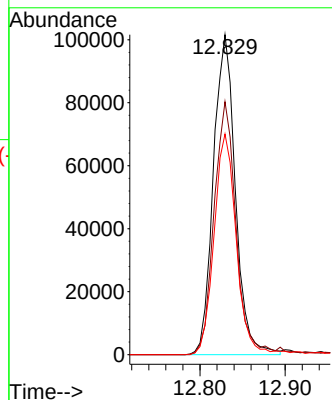
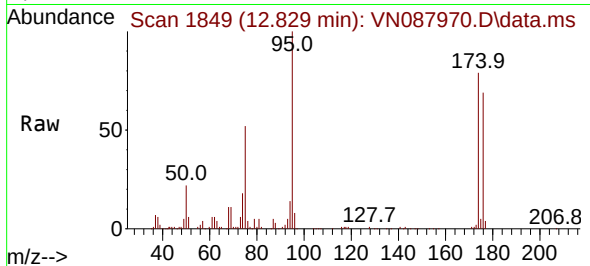




#62
4-Bromofluorobenzene
Concen: 47.730 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

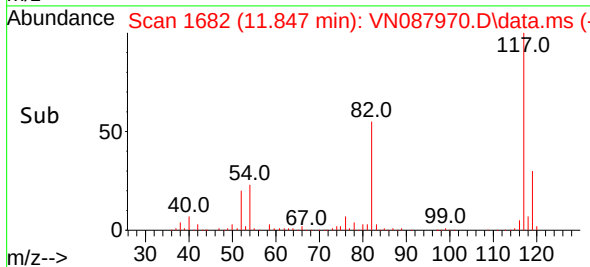
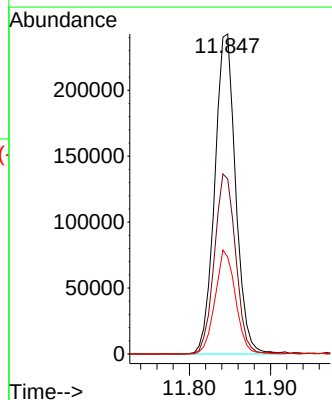
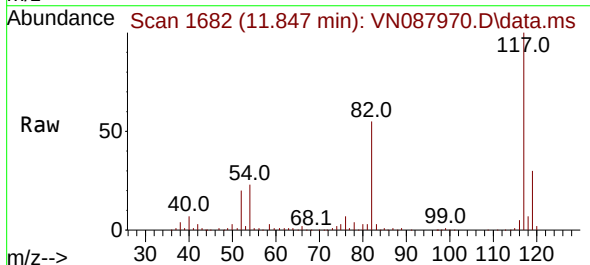
Instrument :
MSVOA_N
ClientSampleId :
WC-1

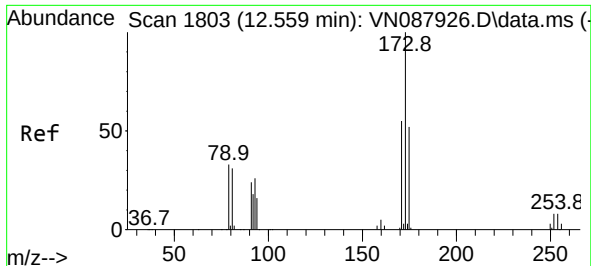
Tgt Ion: 95 Resp: 181935
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.2
176 70.4 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 117 Resp: 434715
Ion Ratio Lower Upper
117 100
82 54.7 47.0 70.4
119 30.3 26.1 39.1

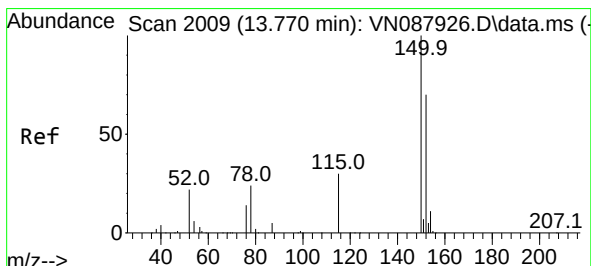
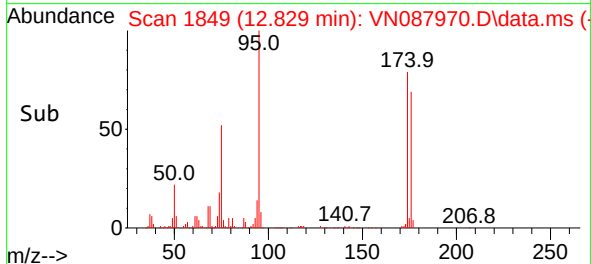
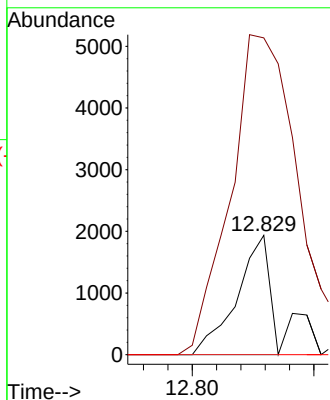
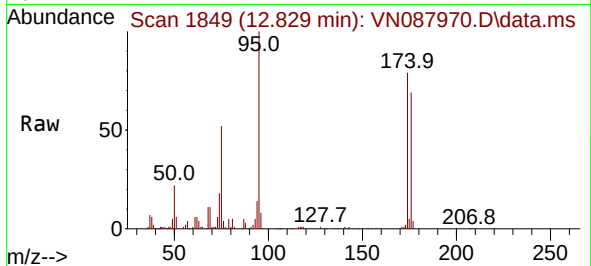




#71
Bromoform
Concen: 0.660 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

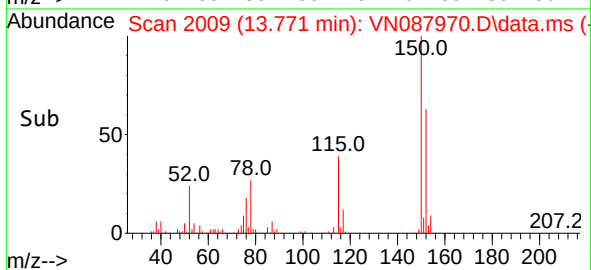
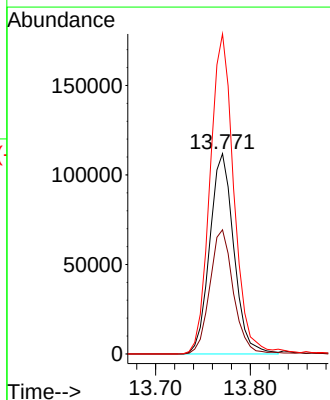
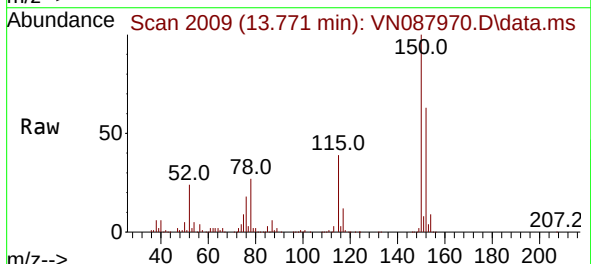
Instrument :
MSVOA_N
ClientSampleId :
WC-1

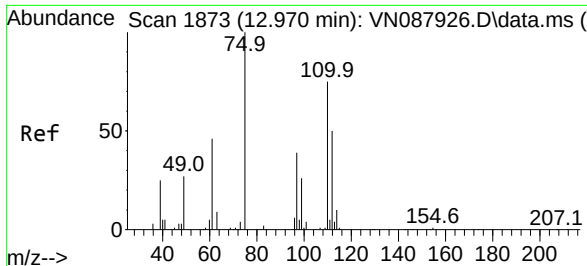
Tgt Ion:173 Resp: 1787
Ion Ratio Lower Upper
173 100
175 415.0 23.7 71.1#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion:152 Resp: 197936
Ion Ratio Lower Upper
152 100
115 60.9 29.9 89.7
150 158.5 0.0 335.0

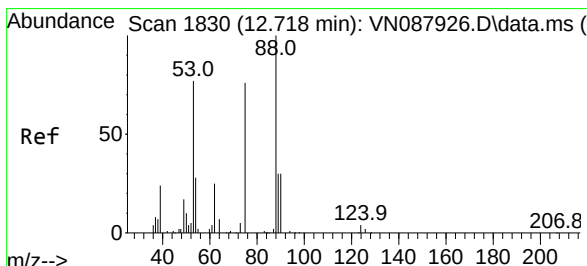
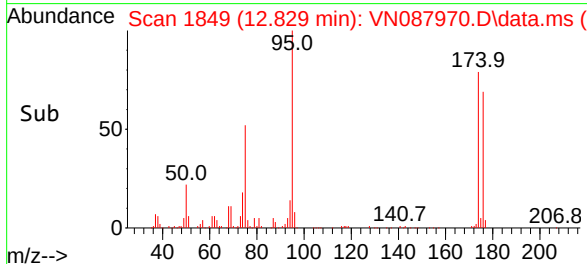
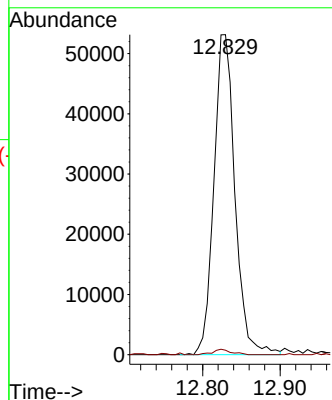
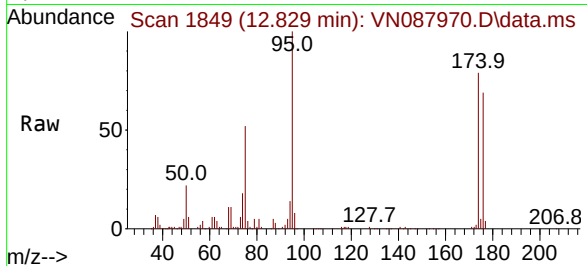




#76
1,2,3-Trichloropropane
Concen: 25.712 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

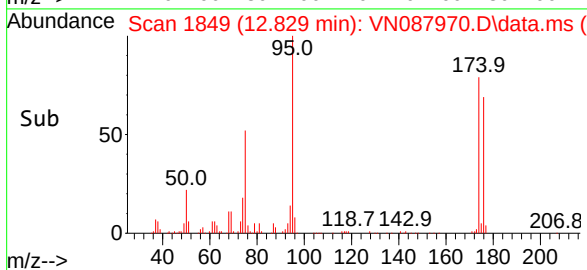
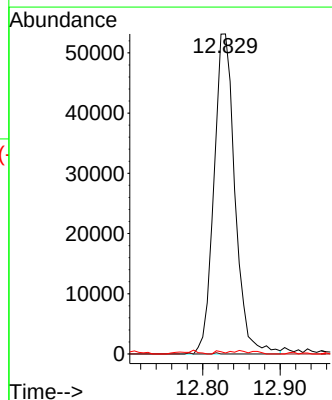
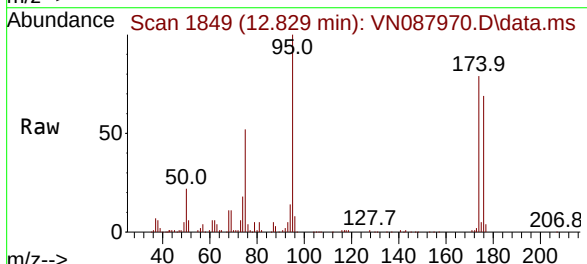
Instrument :
MSVOA_N
ClientSampleId :
WC-1

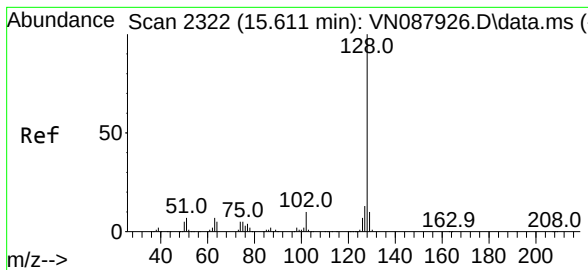
Tgt Ion: 75 Resp: 100322
Ion Ratio Lower Upper
75 100
77 1.5 89.5 268.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.398 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Tgt Ion: 75 Resp: 100322
Ion Ratio Lower Upper
75 100
53 0.1 82.0 123.0#
89 0.4 36.1 54.1#





#95
Naphthalene
Concen: 0.929 ug/l
RT: 15.623 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN087970.D
Acq: 26 Sep 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion:	128	Resp:	10805
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	0.5	8.6	13.0#

