

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086136.D
 Acq On : 26 Mar 2025 19:12
 Operator : JC\MD
 Sample : Q1636-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Quant Time: Mar 27 01:44:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

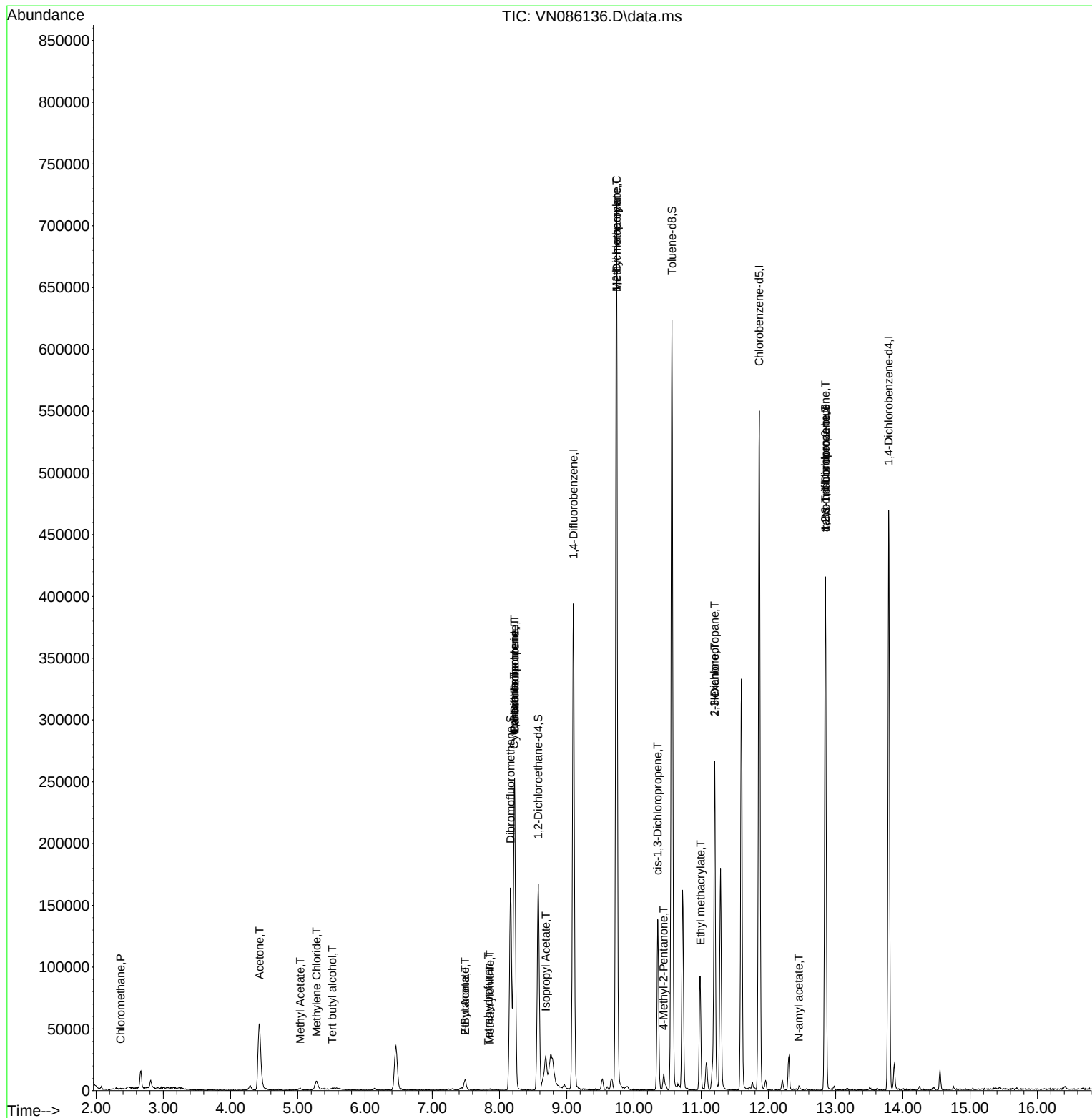
Internal Standards						
1) Pentafluorobenzene	8.224	168	183616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	344077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136857	54.431	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.860%	
35) Dibromofluoromethane	8.165	113	119177	49.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.240%	
50) Toluene-d8	10.565	98	439133	50.381	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	12.847	95	148431	47.751	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	518	0.243	ug/l #	42
11) Tert butyl alcohol	5.512	59	1103	3.098	ug/l #	73
16) Acetone	4.430	43	102082	132.893	ug/l	99
18) Methyl Acetate	5.036	43	3122	1.643	ug/l #	77
20) Methylene Chloride	5.277	84	5867	2.611	ug/l	89
25) 2-Butanone	7.489	43	14208	12.819	ug/l	90
29) Tetrahydrofuran	7.836	42	298	0.435	ug/l #	24
31) Cyclohexane	8.218	56	3737	1.193	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14206	4.492	ug/l #	49
37) Ethyl Acetate	7.489	43	14208	5.326	ug/l #	64
38) Carbon Tetrachloride	8.224	117	19217	4.622	ug/l #	19
41) Methacrylonitrile	7.859	41	323	0.254	ug/l #	30
43) Isopropyl Acetate	8.688	43	34707	6.003	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	1052	0.466	ug/l #	44
48) Methyl methacrylate	9.741	41	62045	32.523	ug/l #	31
51) 4-Methyl-2-Pentanone	10.441	43	10648	4.176	ug/l #	77
54) cis-1,3-Dichloropropene	10.353	75	26929	7.082	ug/l #	66
56) Ethyl methacrylate	10.988	69	798	0.460	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2911	0.737	ug/l #	42
59) 2-Hexanone	11.200	43	46234	24.892	ug/l #	40
74) N-amyl acetate	12.453	43	2531	0.845	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	72475	24.699	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72475	65.301	ug/l #	16

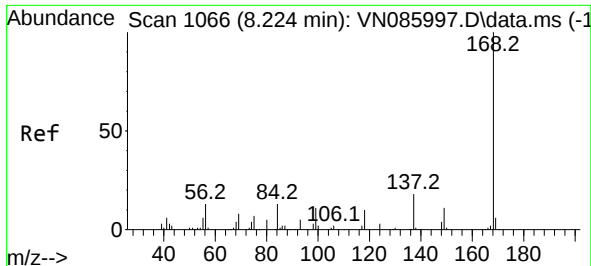
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
Data File : VN086136.D
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Instrument :
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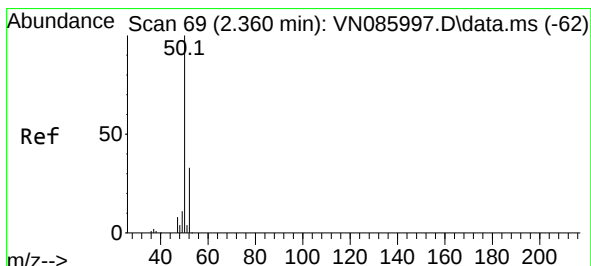
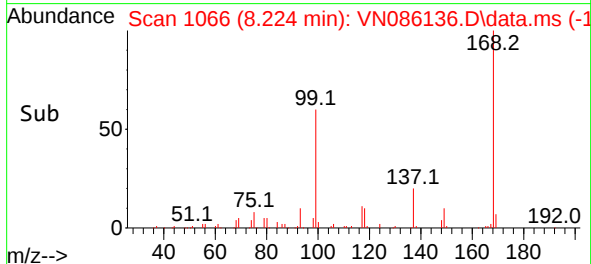
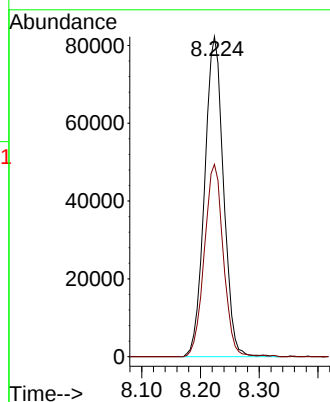
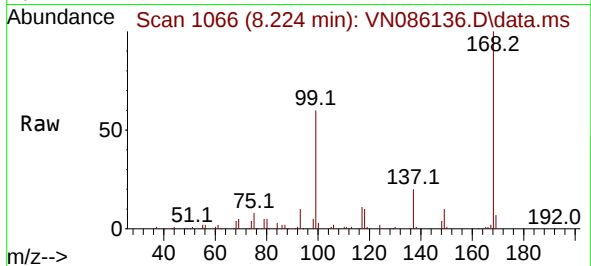




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

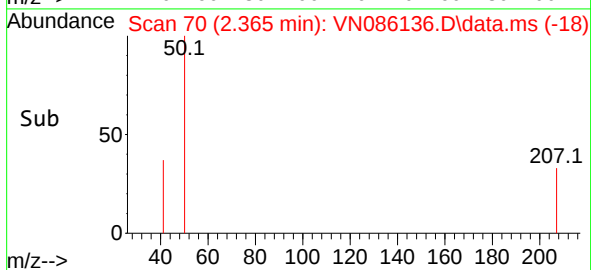
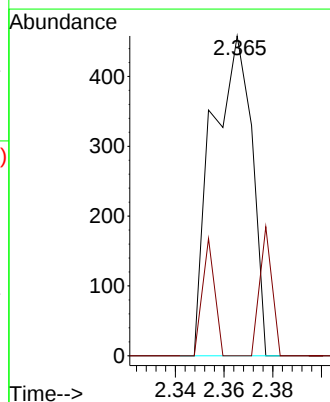
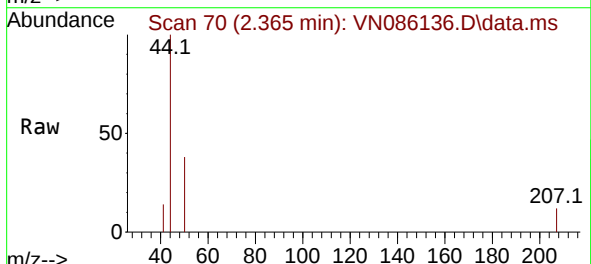
Instrument :
MSVOA_N
ClientSampleId :
WC-3

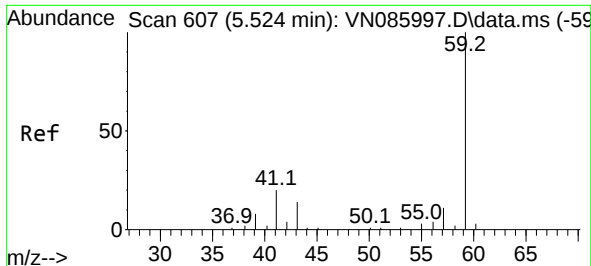
Tgt Ion:168 Resp: 183616
Ion Ratio Lower Upper
168 100
99 60.1 49.4 74.2



#3
Chloromethane
Concen: 0.243 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 50 Resp: 518
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

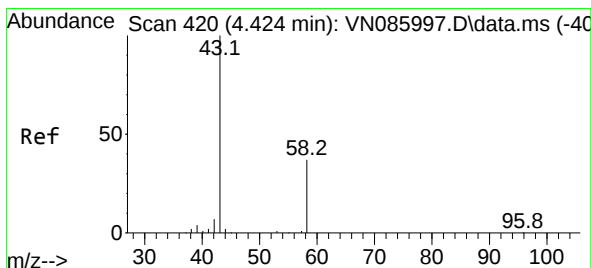
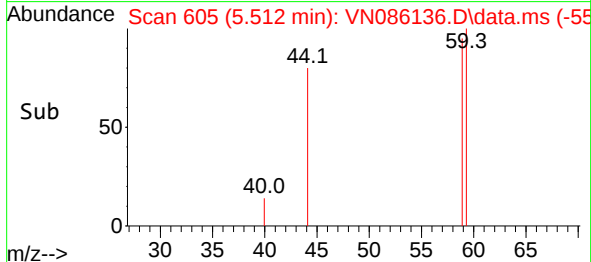
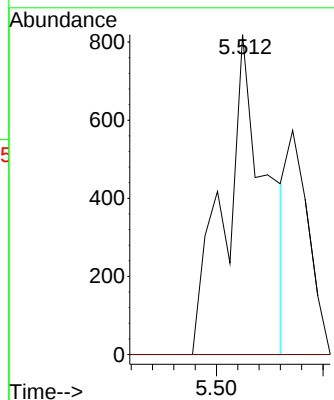
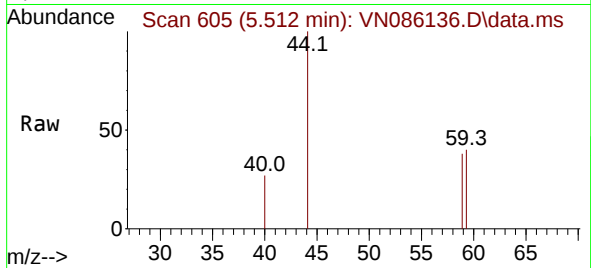




#11
Tert butyl alcohol
Concen: 3.098 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

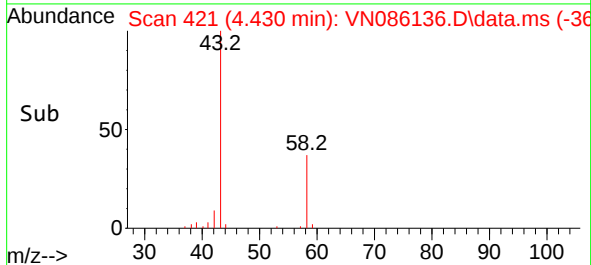
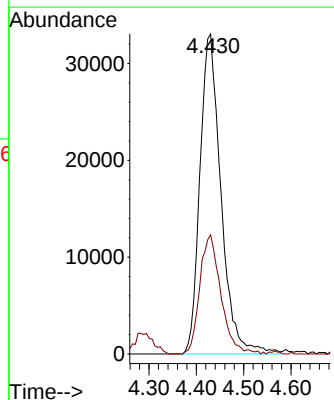
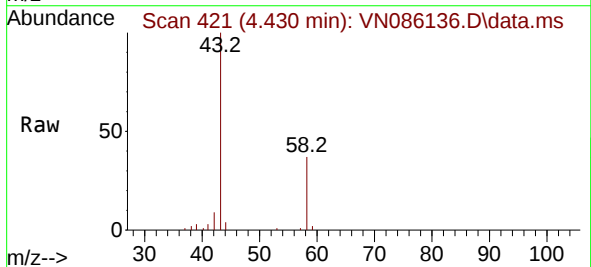
Instrument :
MSVOA_N
ClientSampleId :
WC-3

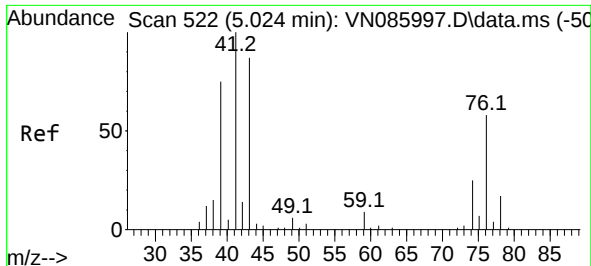
Tgt Ion: 59 Resp: 1103
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 132.893 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 43 Resp: 102082
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2

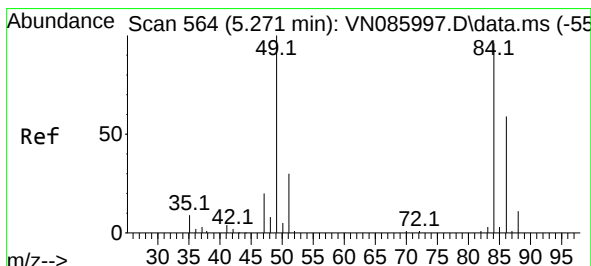
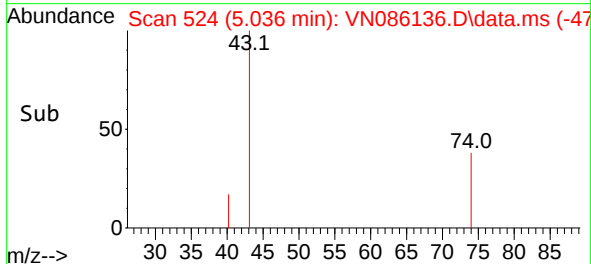
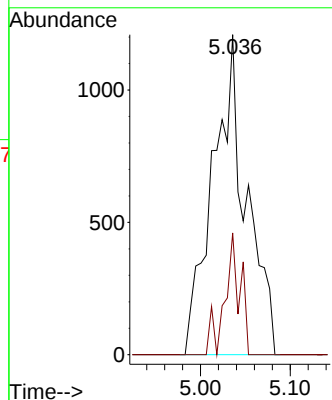
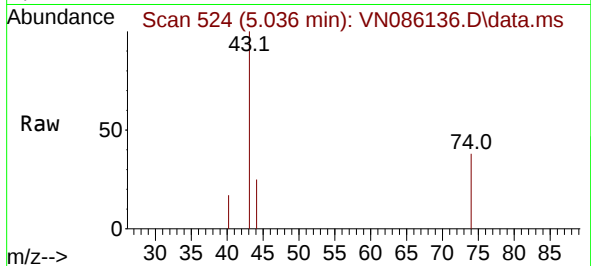




#18
Methyl Acetate
Concen: 1.643 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

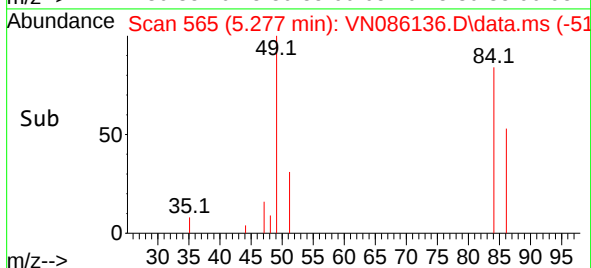
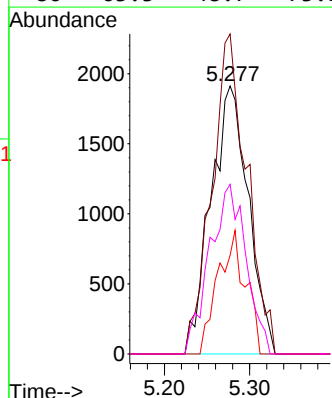
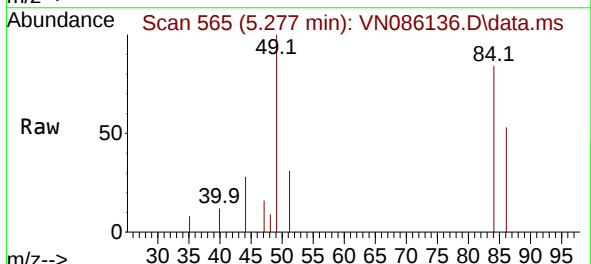
Instrument :
MSVOA_N
ClientSampleId :
WC-3

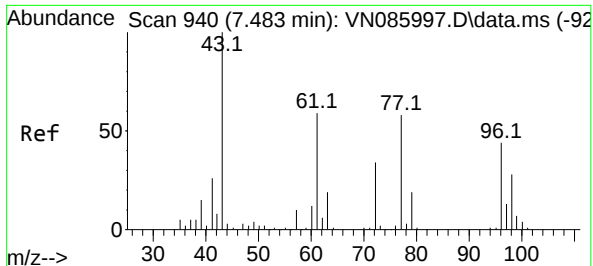
Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
74 17.5 23.9 35.9#



#20
Methylene Chloride
Concen: 2.611 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 84 Resp: 5867
Ion Ratio Lower Upper
84 100
49 119.4 83.3 124.9
51 36.8 24.8 37.2
86 63.3 48.7 73.1

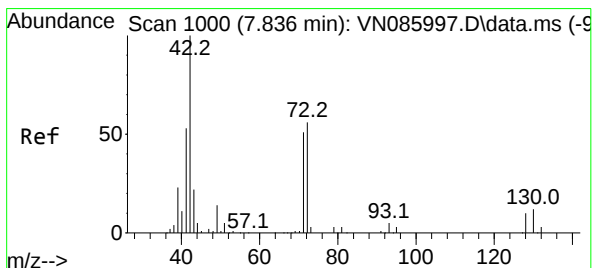
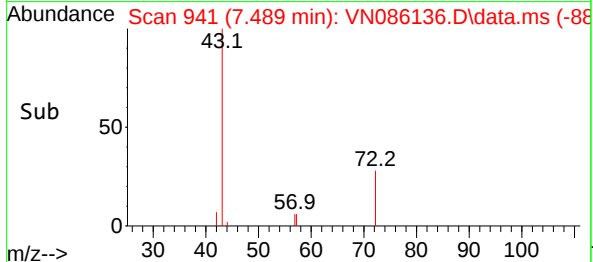
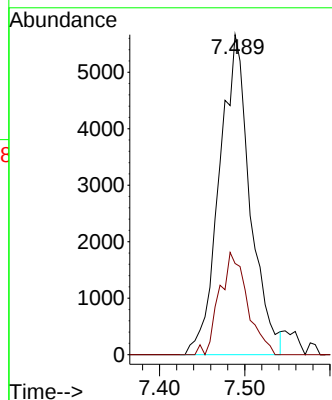
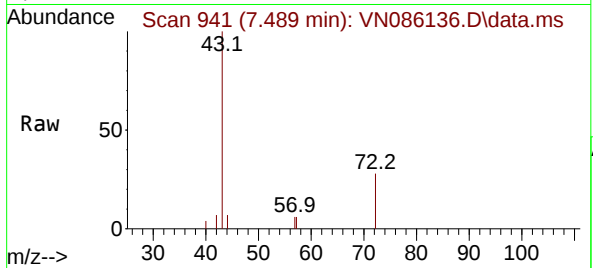




#25
2-Butanone
Concen: 12.819 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

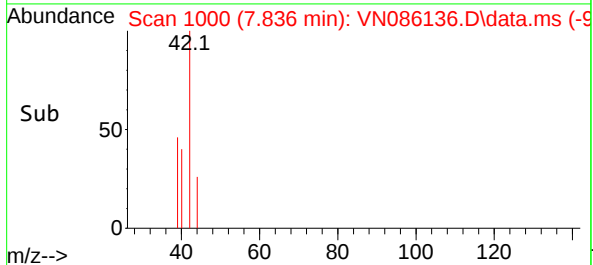
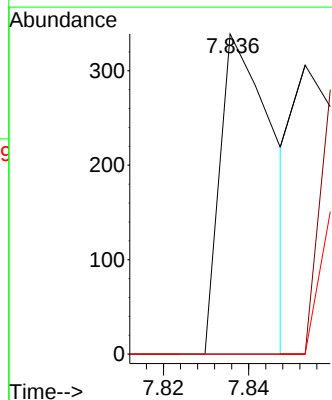
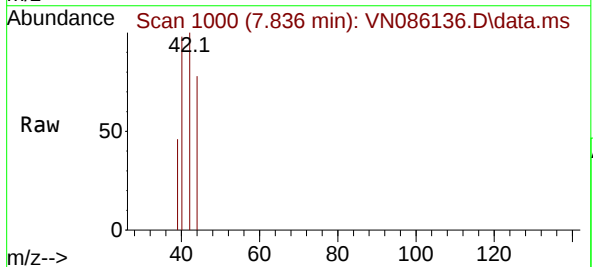
Instrument :
MSVOA_N
ClientSampleId :
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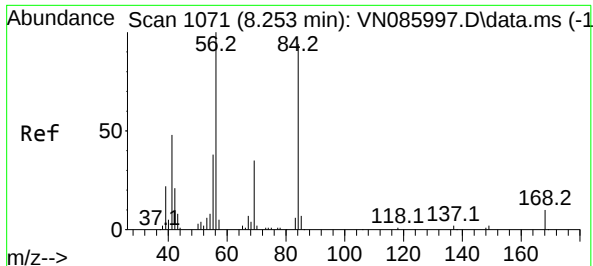
Tgt Ion: 43 Resp: 14208
Ion Ratio Lower Upper
43 100
72 28.5 27.4 41.0



#29
Tetrahydrofuran
Concen: 0.435 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

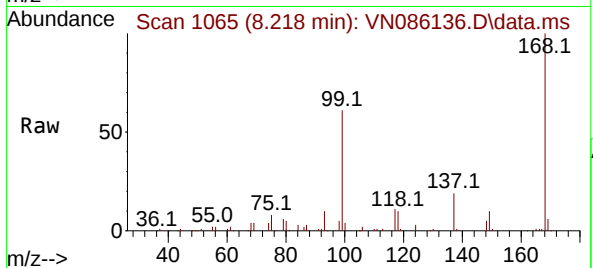
Tgt Ion: 42 Resp: 298
Ion Ratio Lower Upper
42 100
72 0.0 45.0 67.4#
71 0.0 41.9 62.9#



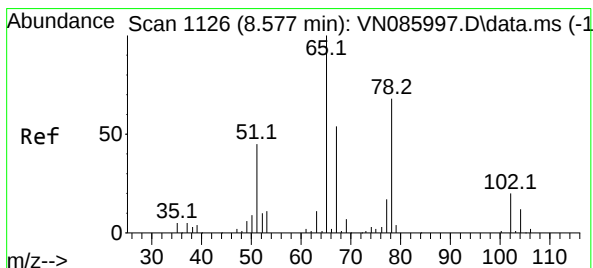
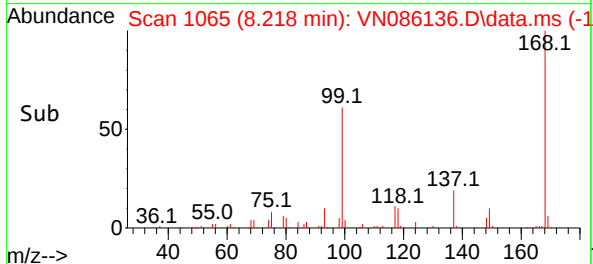
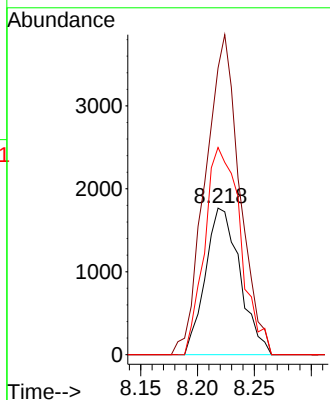


#31
Cyclohexane
Concen: 1.193 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Instrument :
MSVOA_N
ClientSampleId :
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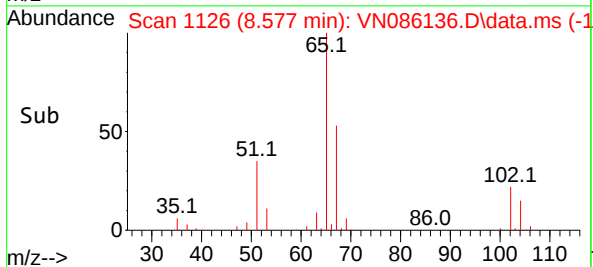
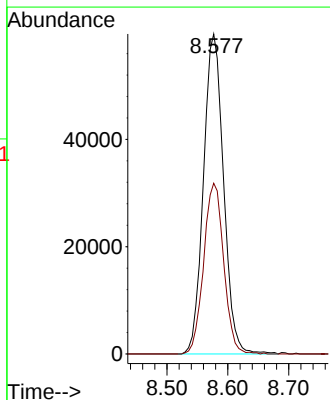
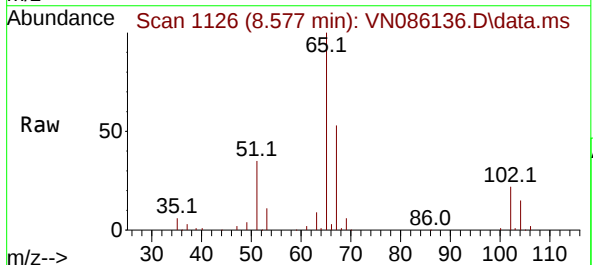


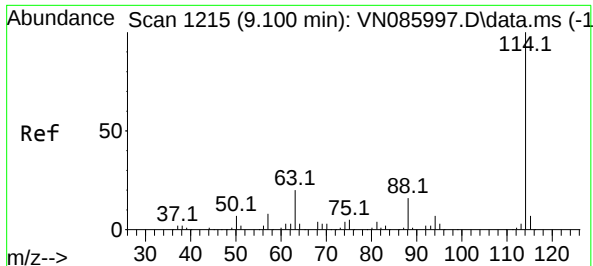
Tgt Ion: 56 Resp: 3737
Ion Ratio Lower Upper
56 100
69 195.5 28.0 42.0#
84 141.4 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 54.431 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 65 Resp: 136857
Ion Ratio Lower Upper
65 100
67 53.1 0.0 102.2

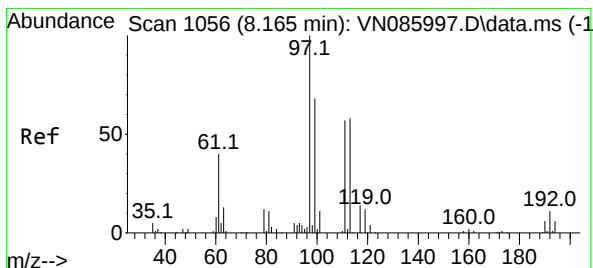
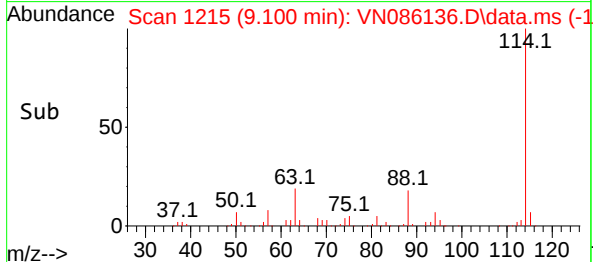
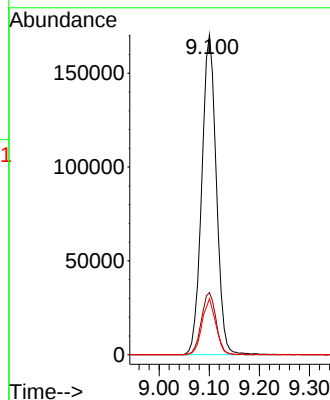
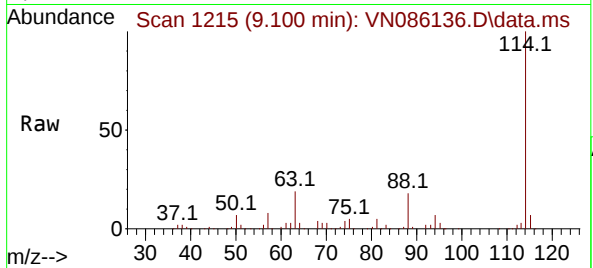




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

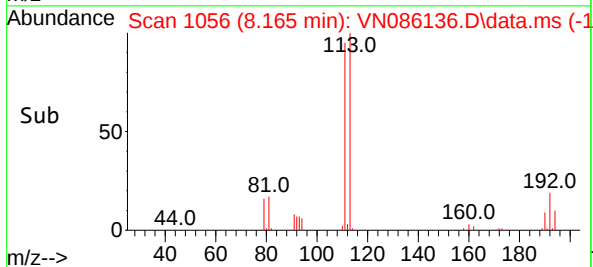
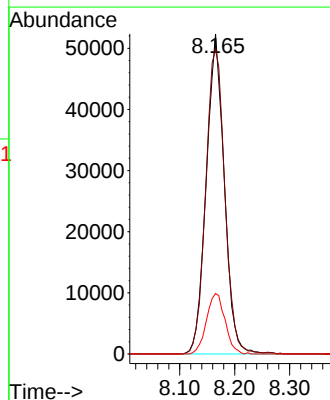
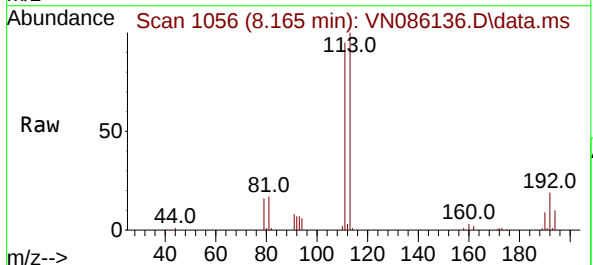
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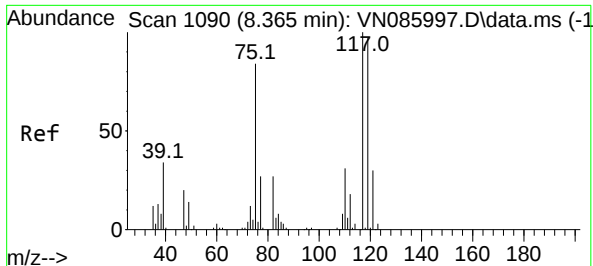
Tgt Ion:114 Resp: 344077
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.6
88 17.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.624 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion:113 Resp: 119177
Ion Ratio Lower Upper
113 100
111 100.8 81.8 122.8
192 19.4 15.9 23.9

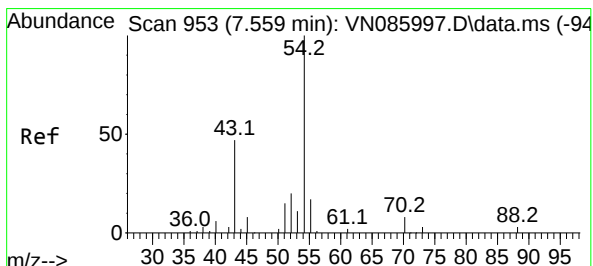
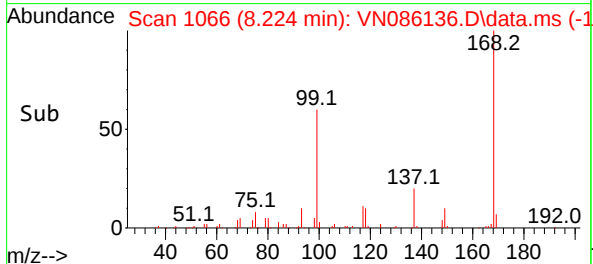
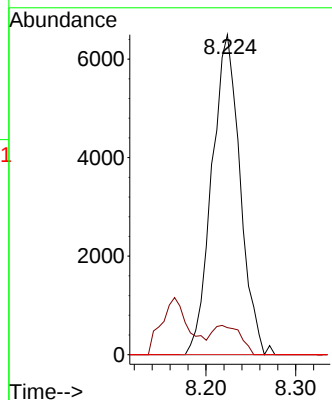
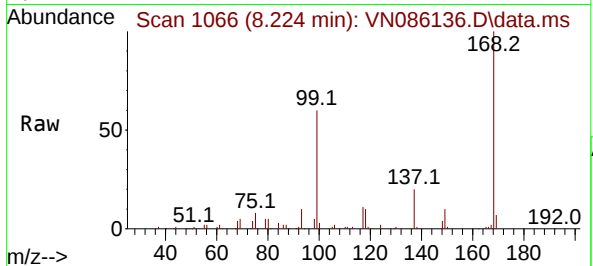




#36
1,1-Dichloropropene
Concen: 4.492 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

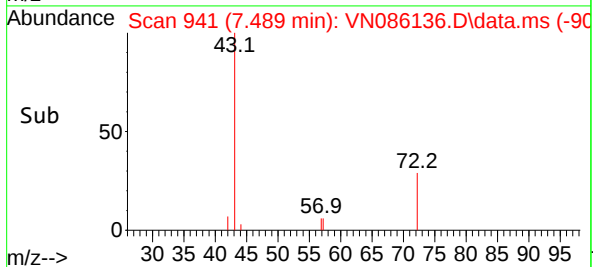
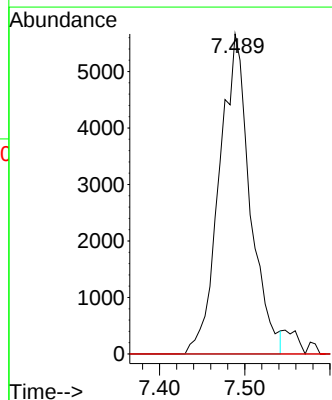
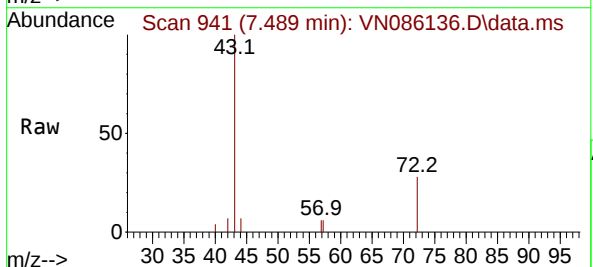
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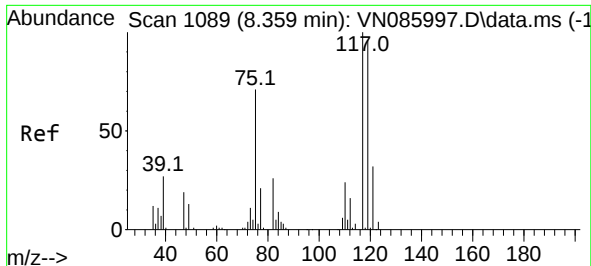
Tgt Ion: 75 Resp: 14206
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 5.326 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

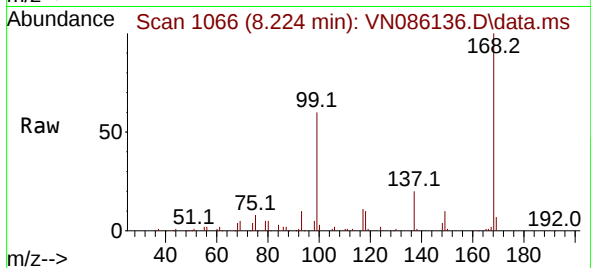
Tgt Ion: 43 Resp: 14208
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



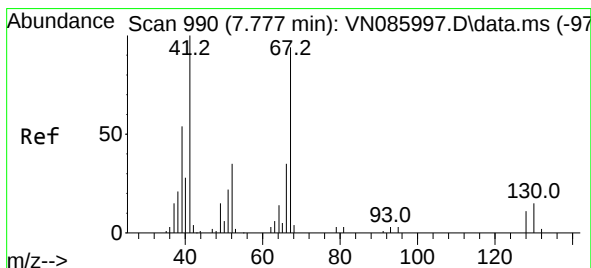
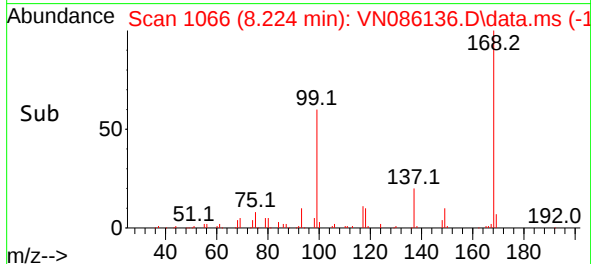
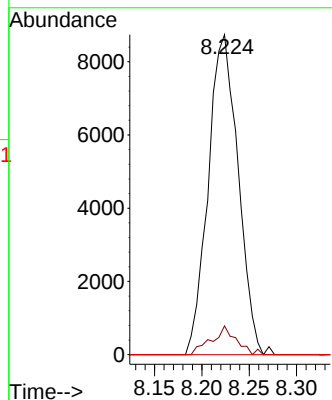


#38
Carbon Tetrachloride
Concen: 4.622 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Instrument :
MSVOA_N
ClientSampleId :
WC-3

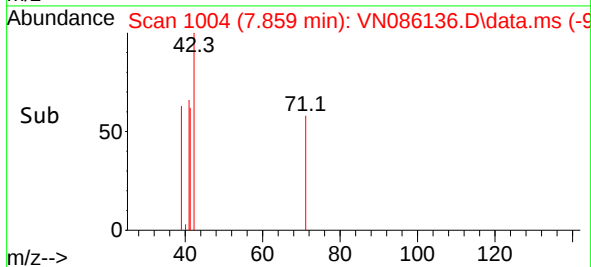
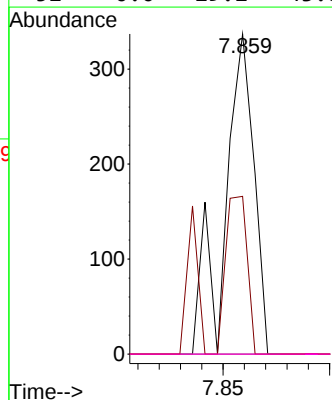
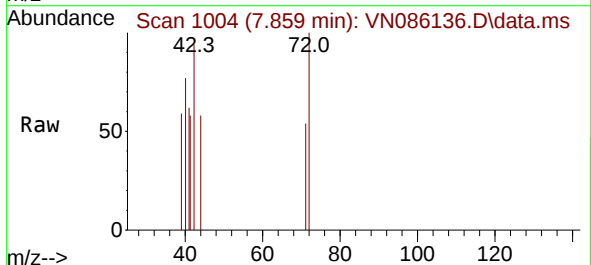


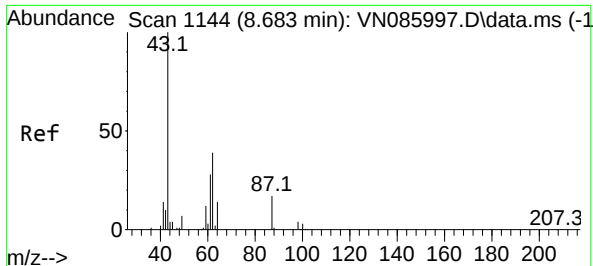
Tgt Ion:117 Resp: 19217
Ion Ratio Lower Upper
117 100
119 9.0 77.0 115.4#
121 0.0 25.6 38.4#



#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.082 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 41 Resp: 323
Ion Ratio Lower Upper
41 100
39 35.9 46.2 69.2#
67 0.0 75.9 113.9#
52 0.0 29.2 43.8#

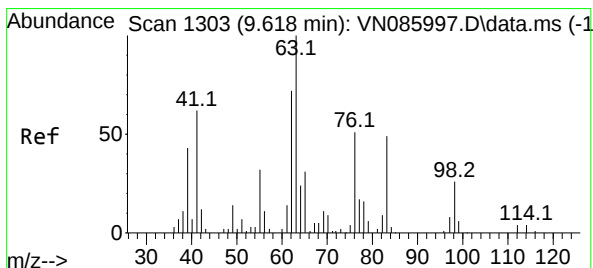
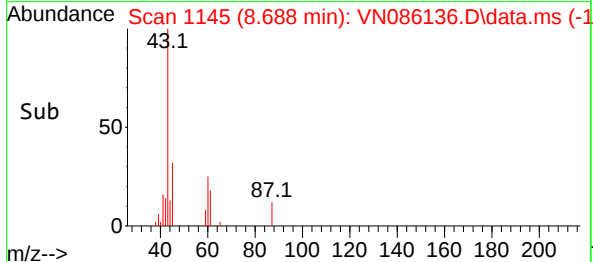
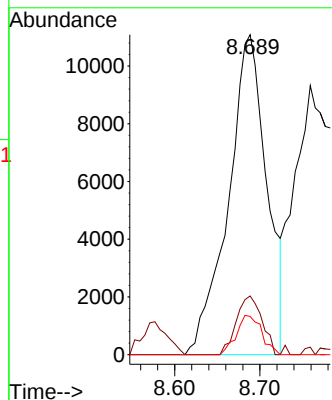
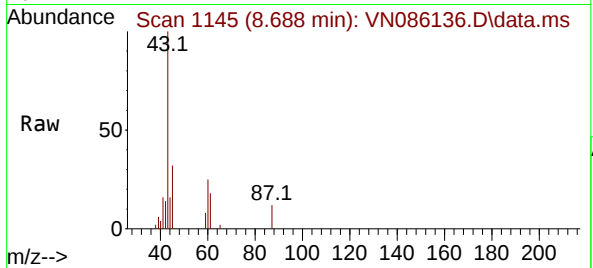




#43
Isopropyl Acetate
Concen: 6.003 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

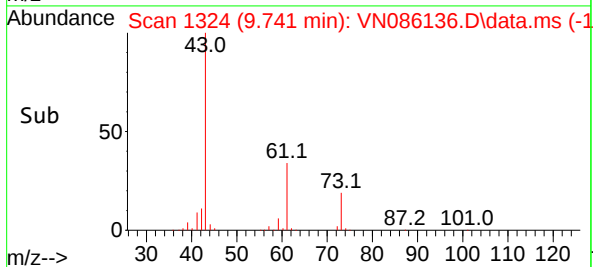
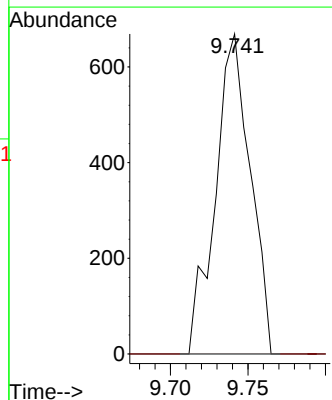
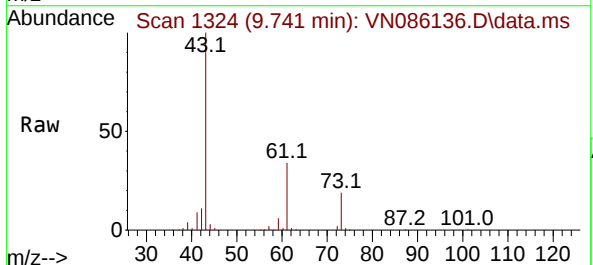
Instrument :
MSVOA_N
ClientSampleId :
WC-3

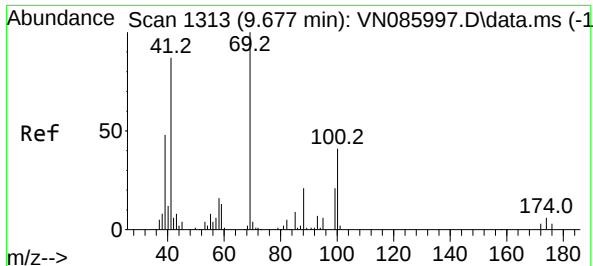
Tgt Ion: 43 Resp: 34707
Ion Ratio Lower Upper
43 100
61 12.2 25.0 37.6#
87 8.0 13.0 19.4#



#45
1,2-Dichloropropane
Concen: 0.466 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 63 Resp: 1052
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 32.523 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN086136.D

Acq: 26 Mar 2025 19:12

Instrument :

MSVOA_N

ClientSampleId :

WC-3

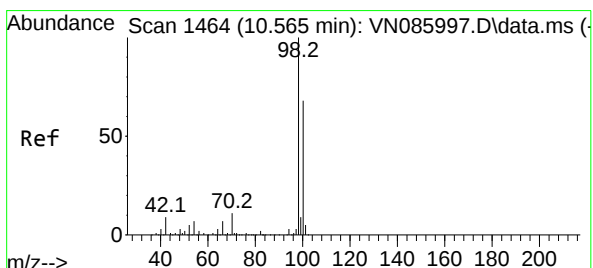
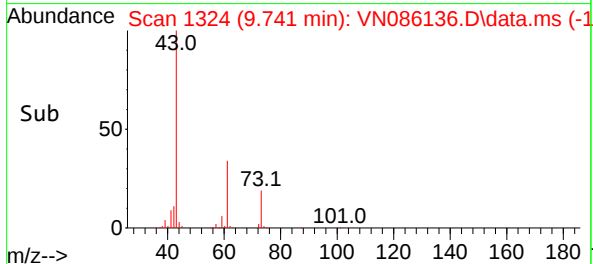
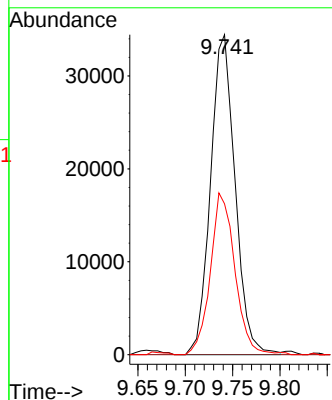
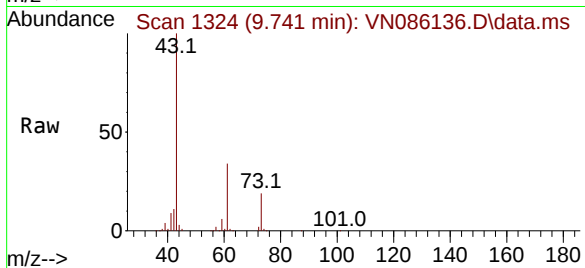
Tgt Ion: 41 Resp: 62045

Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 50.7 45.6 68.4



#50

Toluene-d8

Concen: 50.381 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086136.D

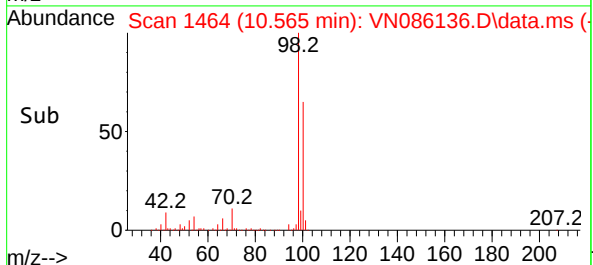
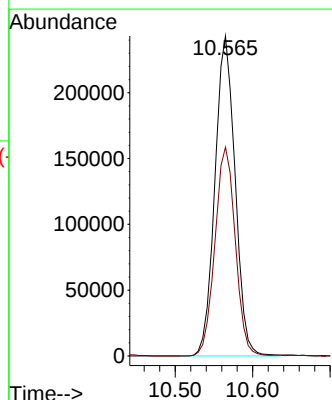
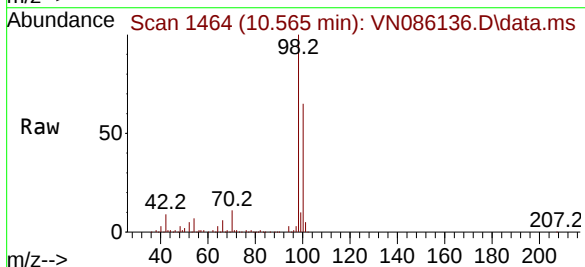
Acq: 26 Mar 2025 19:12

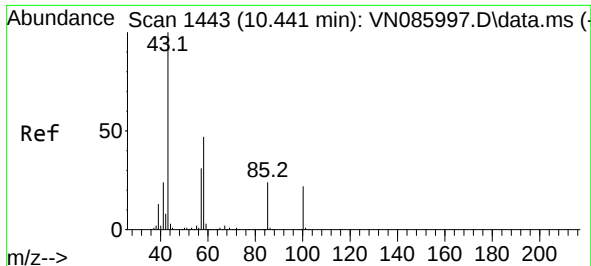
Tgt Ion: 98 Resp: 439133

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7

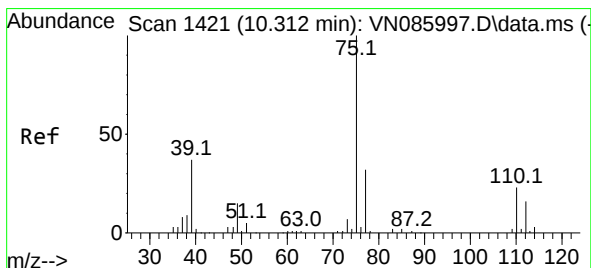
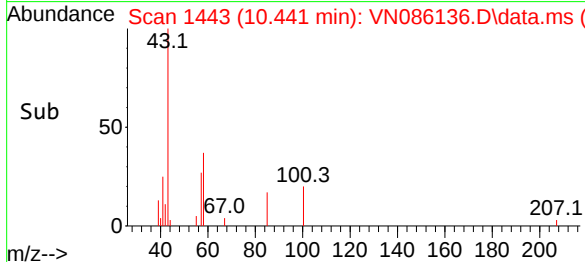
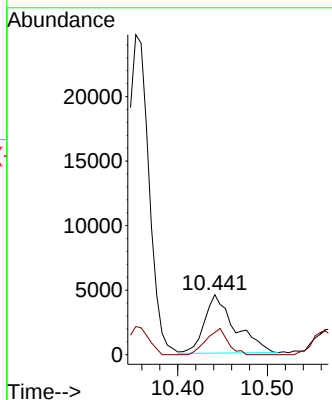
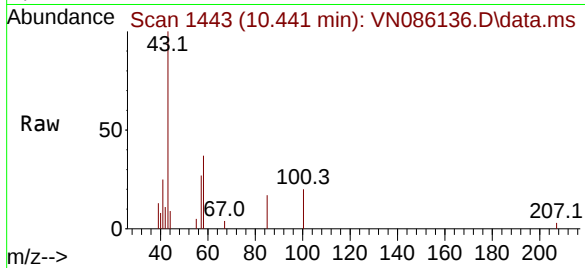




#51
4-Methyl-2-Pentanone
Concen: 4.176 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

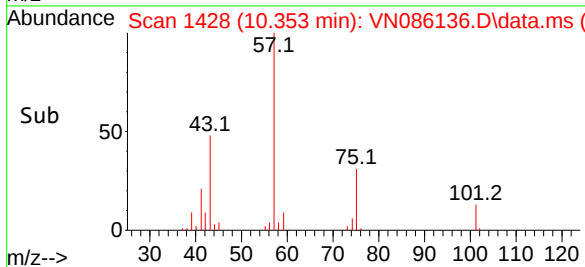
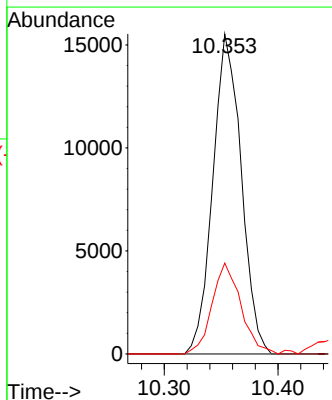
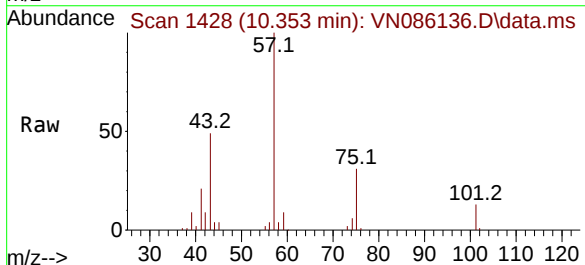
Instrument :
MSVOA_N
ClientSampleId :
WC-3

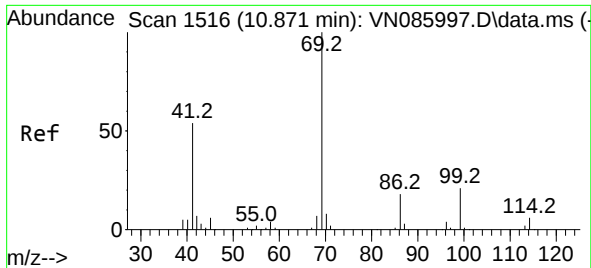
Tgt Ion: 43 Resp: 10648
Ion Ratio Lower Upper
43 100
58 31.5 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 7.082 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 75 Resp: 26929
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 28.4 29.6 44.4#

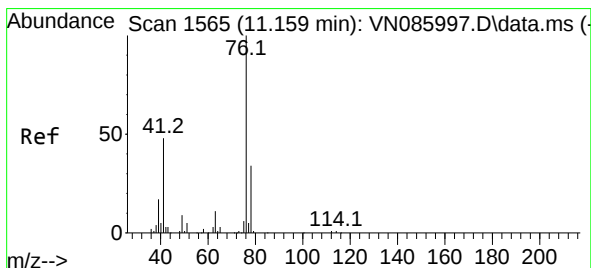
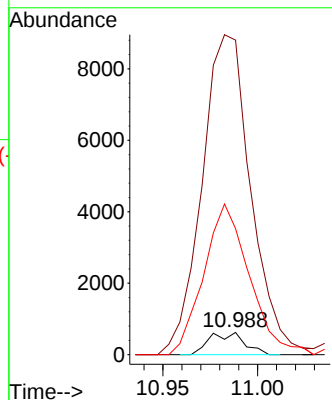
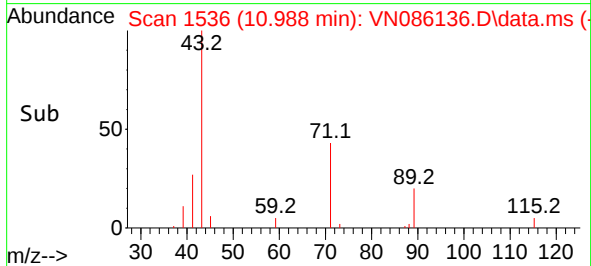
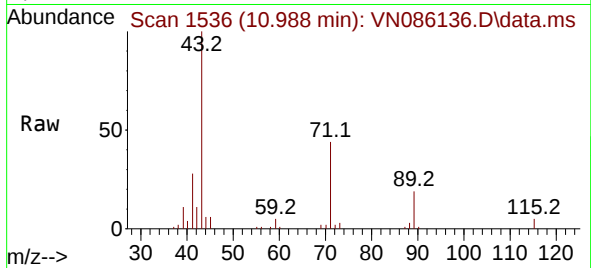




#56
Ethyl methacrylate
Concen: 0.460 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

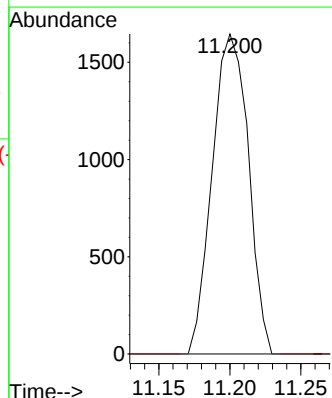
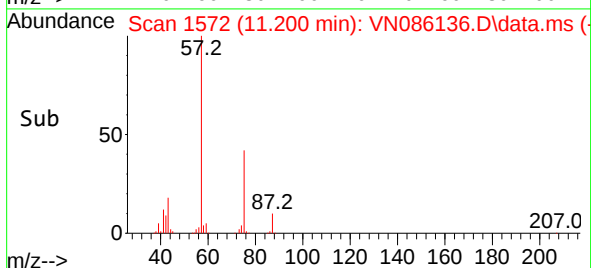
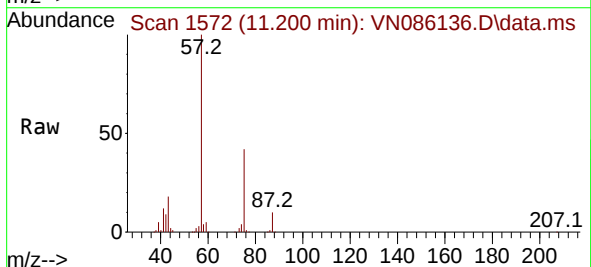
Instrument :
MSVOA_N
ClientSampleId :
WC-3

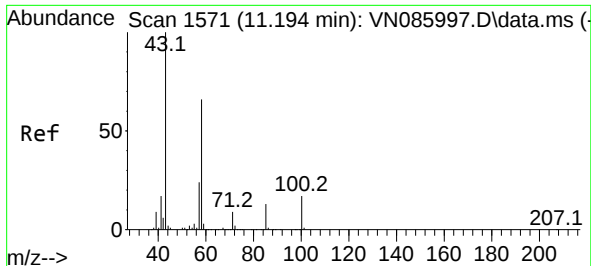
Tgt Ion: 69 Resp: 798
Ion Ratio Lower Upper
69 100
41 2025.3 41.6 62.4#
39 885.1 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.737 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 76 Resp: 2911
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

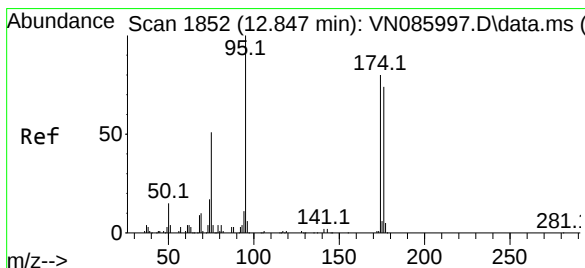
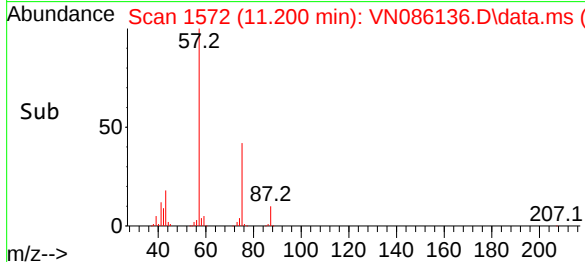
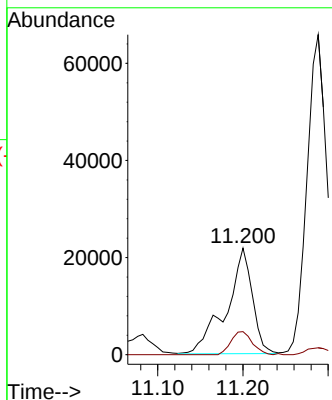
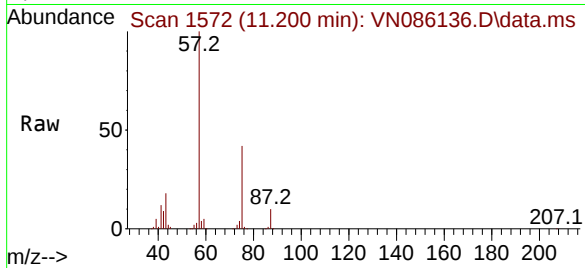




#59
2-Hexanone
Concen: 24.892 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

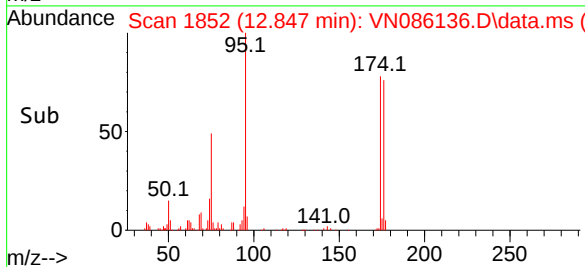
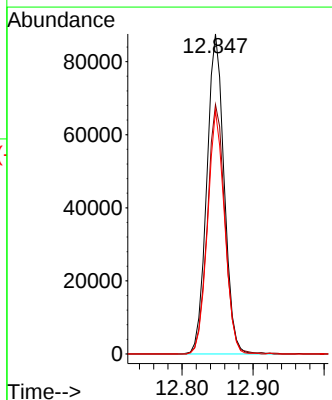
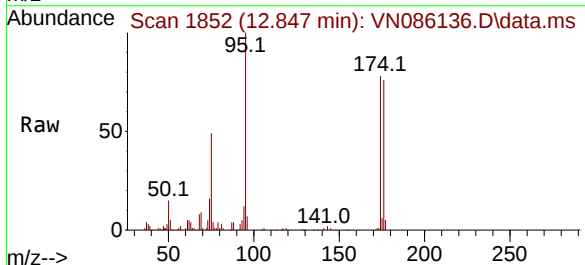
Instrument :
MSVOA_N
ClientSampleId :
WC-3

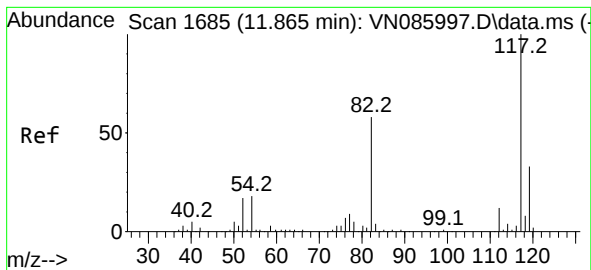
Tgt Ion: 43 Resp: 46234
Ion Ratio Lower Upper
43 100
58 17.8 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 47.751 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 95 Resp: 148431
Ion Ratio Lower Upper
95 100
174 79.1 0.0 156.8
176 74.4 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086136.D

Acq: 26 Mar 2025 19:12

Instrument :

MSVOA_N

ClientSampleId :

WC-3

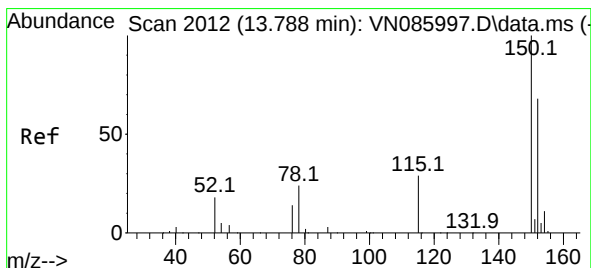
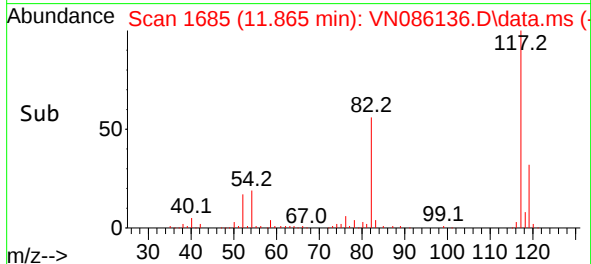
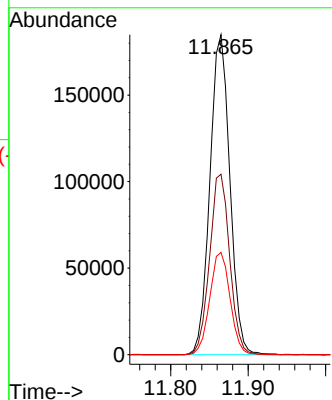
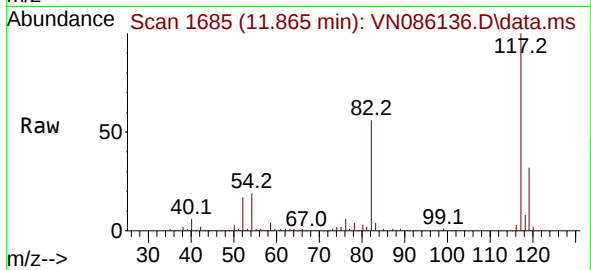
Tgt Ion:117 Resp: 330699

Ion Ratio Lower Upper

117 100

82 56.4 46.7 70.1

119 31.9 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086136.D

Acq: 26 Mar 2025 19:12

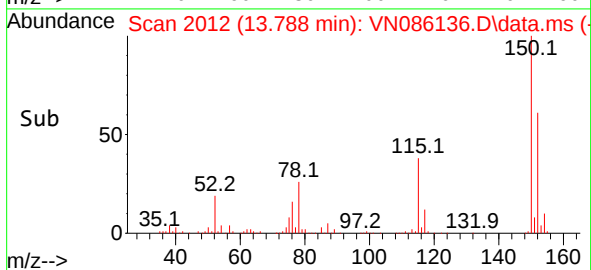
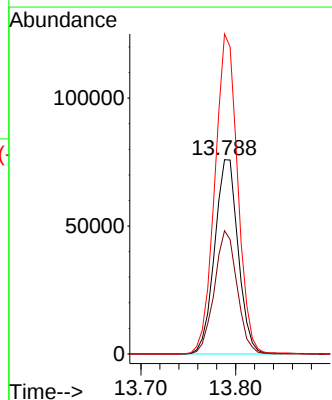
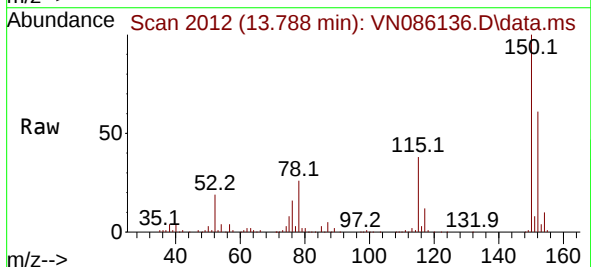
Tgt Ion:152 Resp: 131065

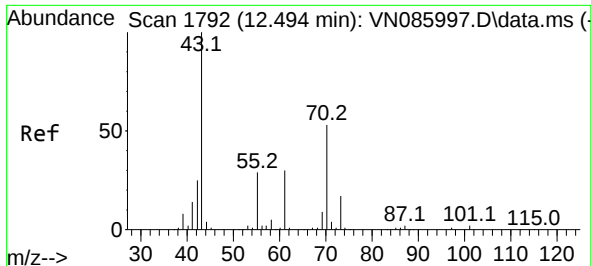
Ion Ratio Lower Upper

152 100

115 61.3 31.1 93.2

150 160.1 0.0 359.6

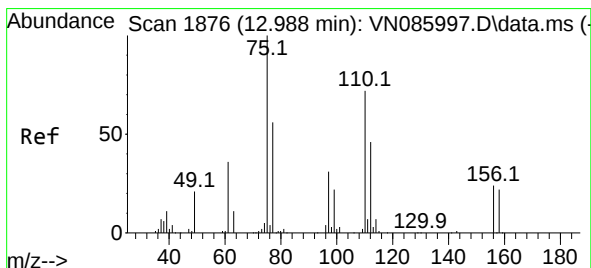
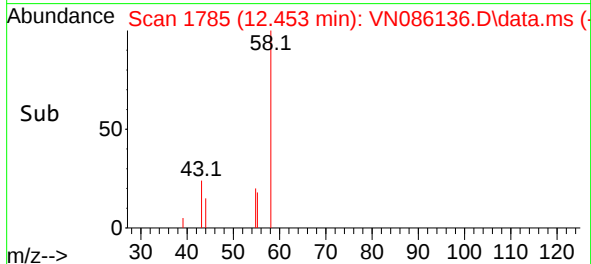
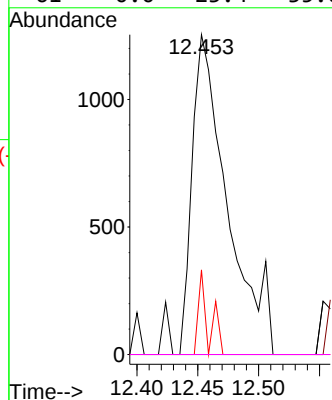
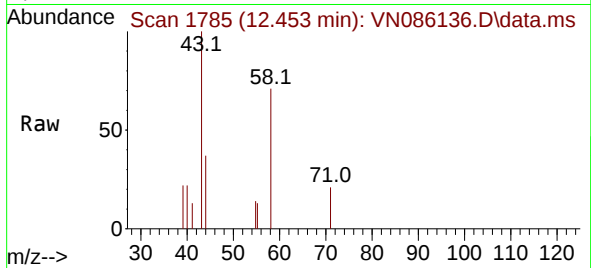




#74
N-amy1 acetate
Concen: 0.845 ug/l
RT: 12.453 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

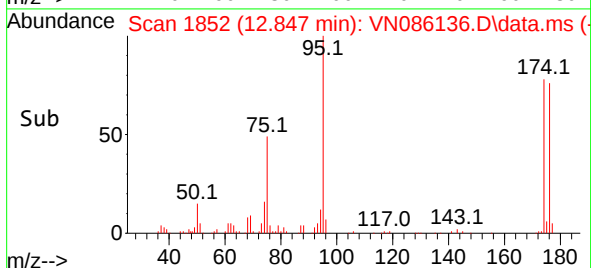
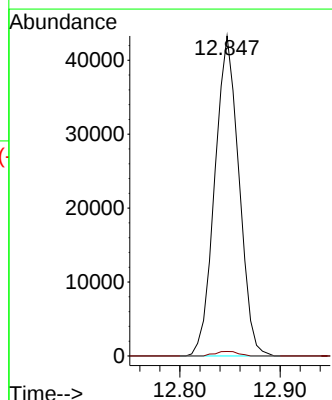
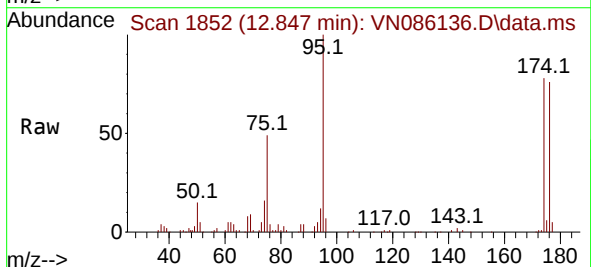
Instrument :
MSVOA_N
ClientSampleId :
WC-3

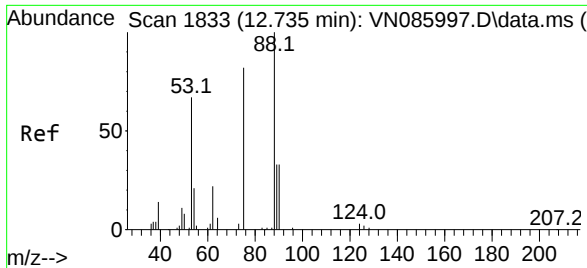
Tgt Ion: 43	Resp: 2531
Ion Ratio	Lower Upper
43	100
70	0.0 43.0 64.4#
55	7.5 23.8 35.8#
61	0.0 23.4 35.0#



#76
1,2,3-Trichloropropane
Concen: 24.699 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086136.D
Acq: 26 Mar 2025 19:12

Tgt Ion: 75	Resp: 72475
Ion Ratio	Lower Upper
75	100
77	1.4 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.301 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086136.D
 Acq: 26 Mar 2025 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Tgt Ion: 75 Resp: 72475
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 36.9 55.3#

