

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086713.D
 Acq On : 20 May 2025 13:15
 Operator : JC\MD
 Sample : Q2071-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 L1-WC-8

Quant Time: May 21 01:44:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

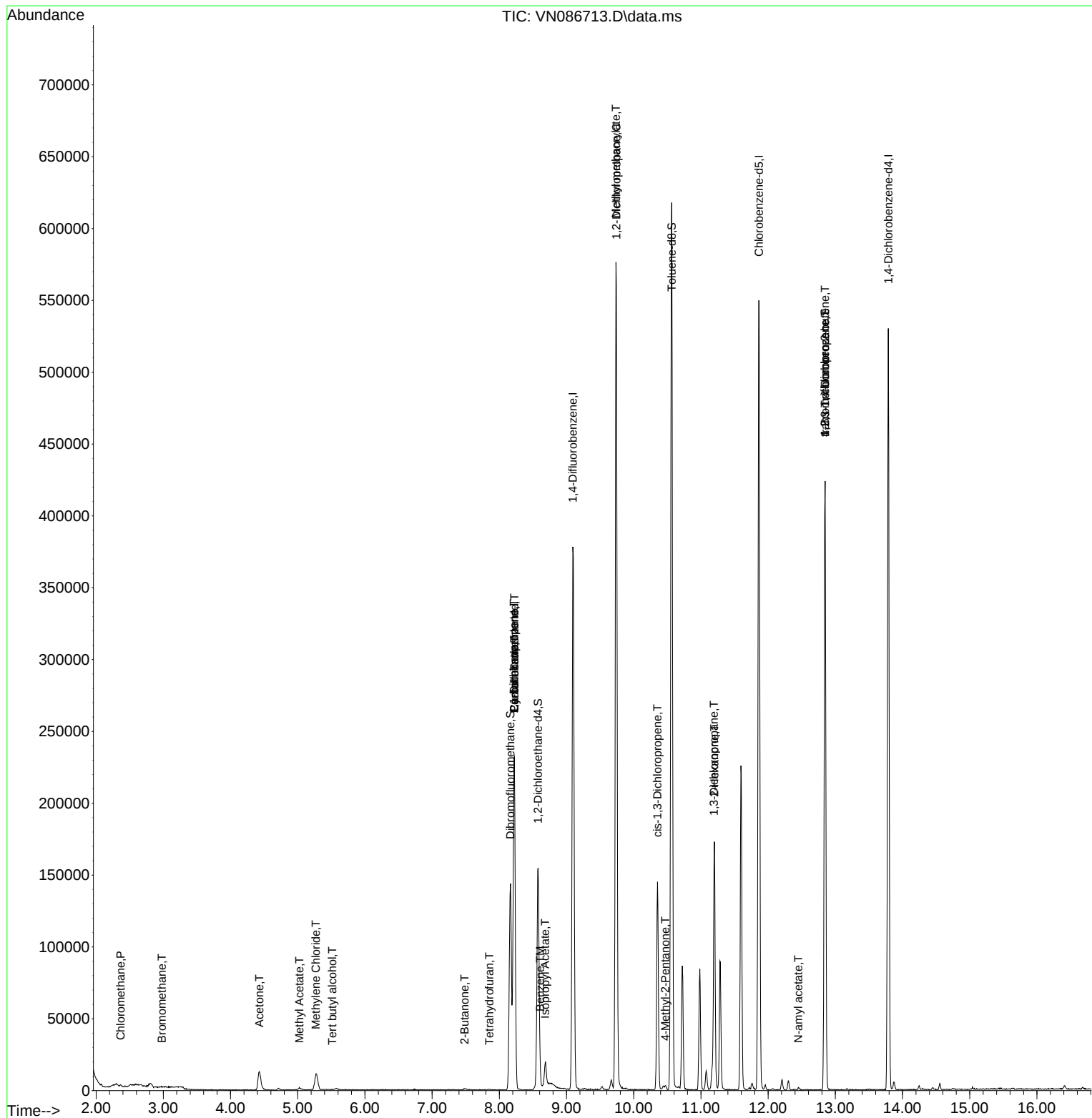
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	173685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	343623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	334441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126544	52.726	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.460%	
35) Dibromofluoromethane	8.165	113	108101	52.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.640%	
50) Toluene-d8	10.565	98	446399	52.639	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.280%	
62) 4-Bromofluorobenzene	12.847	95	160456	53.585	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.180%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	868	0.306	ug/l	91
5) Bromomethane	2.977	94	296	0.202	ug/l #	5
11) Tert butyl alcohol	5.512	59	125	0.286	ug/l #	73
16) Acetone	4.430	43	26321	29.318	ug/l	98
18) Methyl Acetate	5.024	43	2903	1.155	ug/l #	68
20) Methylene Chloride	5.271	84	9835	4.151	ug/l	92
25) 2-Butanone	7.483	43	897	0.647	ug/l #	46
29) Tetrahydrofuran	7.853	42	507	0.560	ug/l #	41
31) Cyclohexane	8.224	56	3876	1.076	ug/l #	16
36) 1,1-Dichloropropene	8.218	75	14345	4.752	ug/l #	49
38) Carbon Tetrachloride	8.224	117	18328	6.162	ug/l #	17
40) Benzene	8.606	78	4359	0.443	ug/l #	80
43) Isopropyl Acetate	8.683	43	26835	4.390	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	566	0.242	ug/l #	42
48) Methyl methacrylate	9.735	41	50832	21.460	ug/l #	37
51) 4-Methyl-2-Pentanone	10.471	43	5029	1.631	ug/l #	33
54) cis-1,3-Dichloropropene	10.353	75	27156	7.225	ug/l #	60
57) 1,3-Dichloropropane	11.194	76	1979	0.503	ug/l #	42
59) 2-Hexanone	11.200	43	36193	16.078	ug/l #	39
74) N-amyl acetate	12.447	43	1454	0.313	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	78836	24.201	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78836	61.076	ug/l #	15

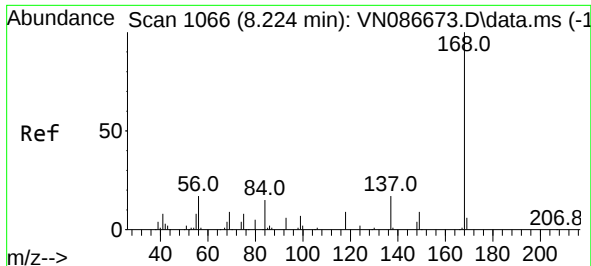
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

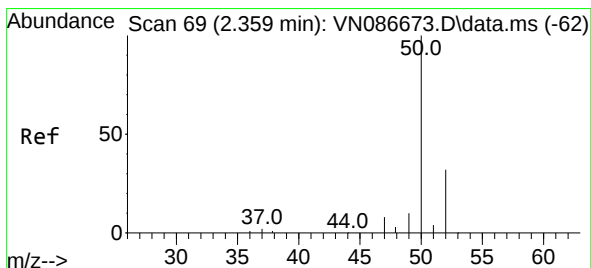
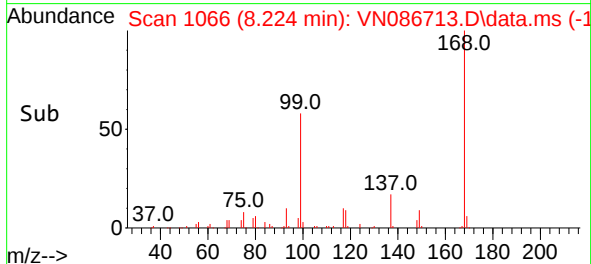
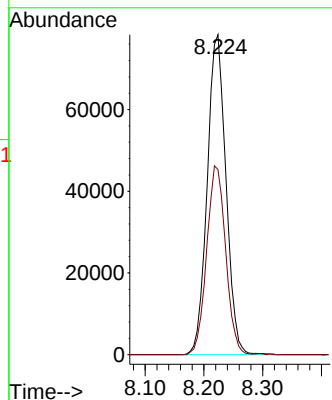
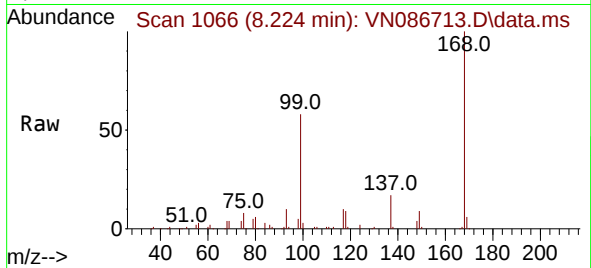




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

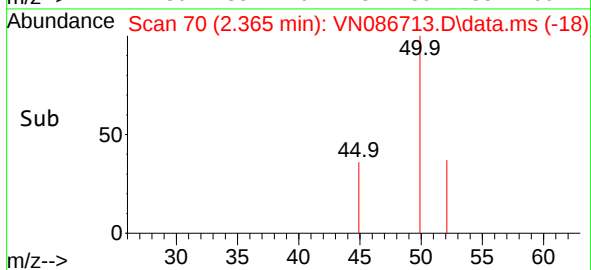
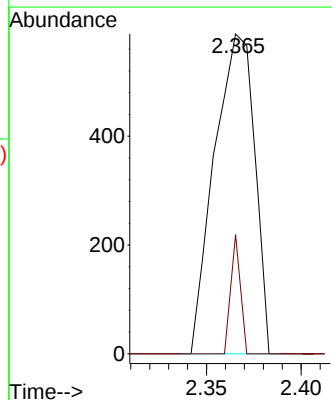
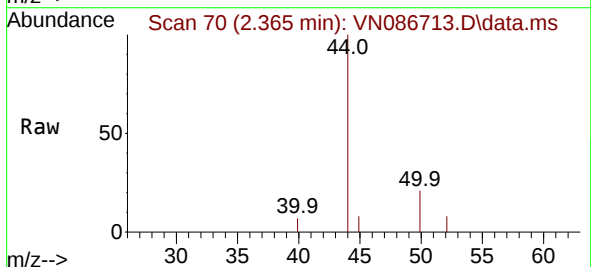
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

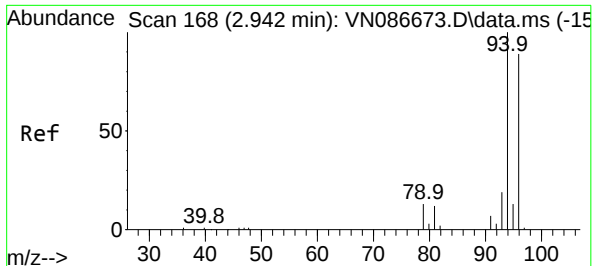
Tgt Ion:168 Resp: 173685
Ion Ratio Lower Upper
168 100
99 57.9 47.0 70.4



#3
Chloromethane
Concen: 0.306 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Tgt Ion: 50 Resp: 868
Ion Ratio Lower Upper
50 100
52 37.2 25.9 38.9

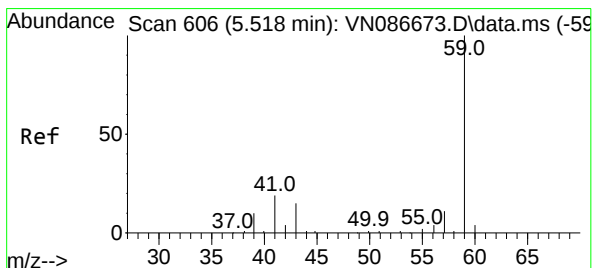
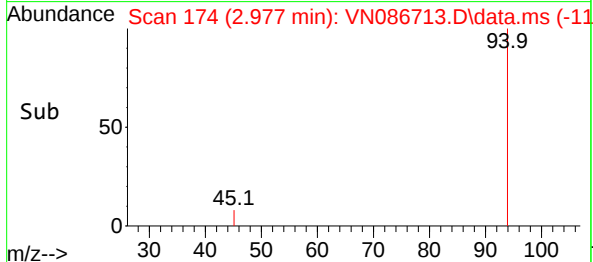
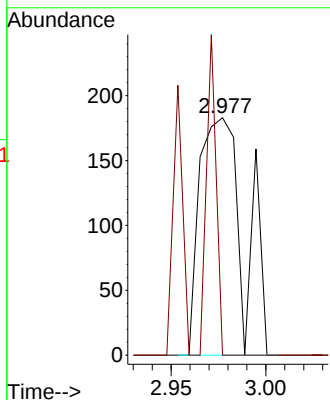
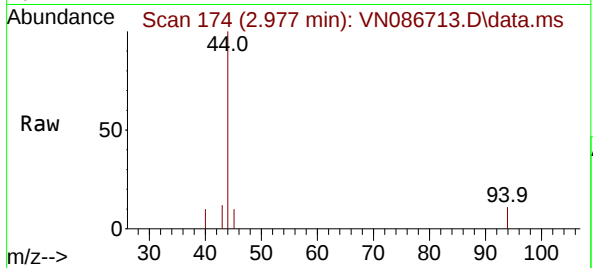




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

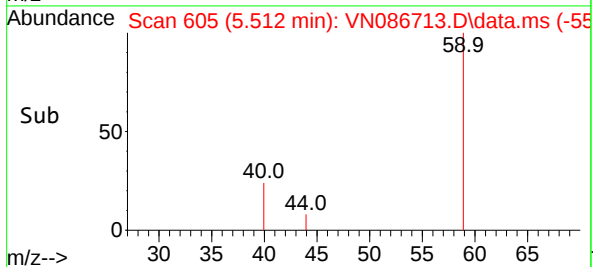
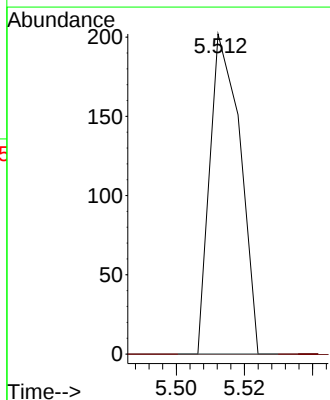
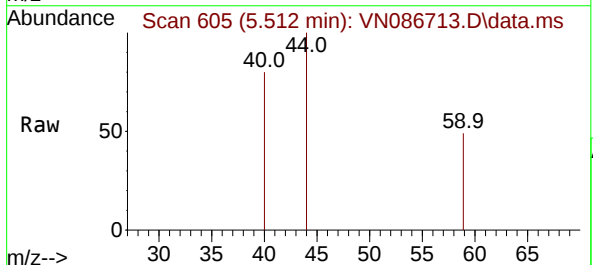
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

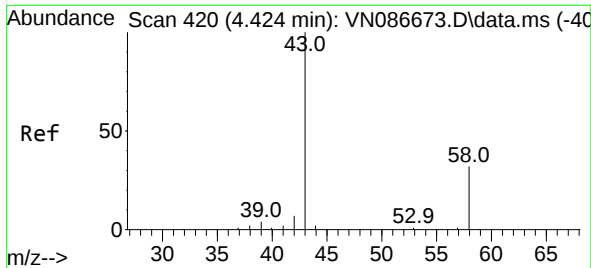
Tgt Ion: 94 Resp: 296
Ion Ratio Lower Upper
94 100
96 0.0 71.2 106.8#



#11
Tert butyl alcohol
Concen: 0.286 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

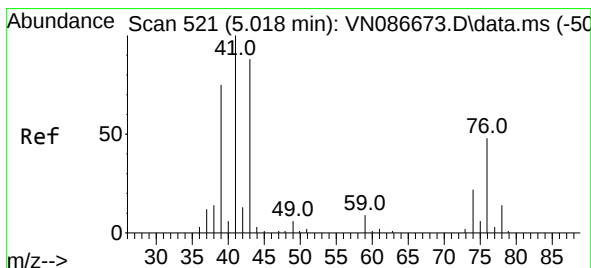
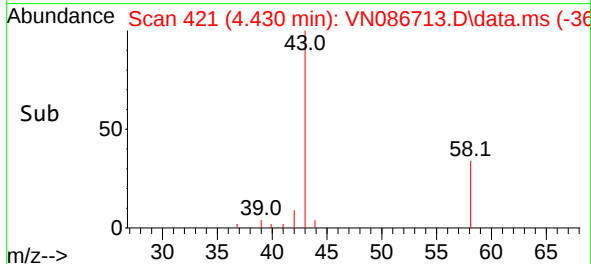
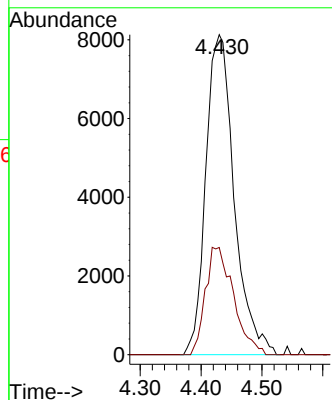
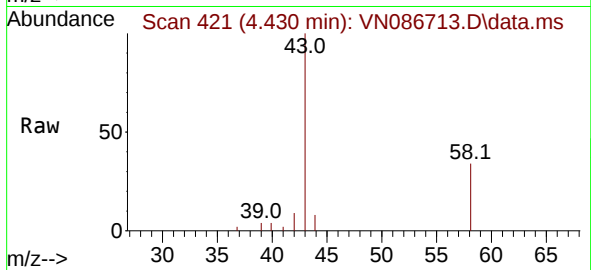




#16
Acetone
Concen: 29.318 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

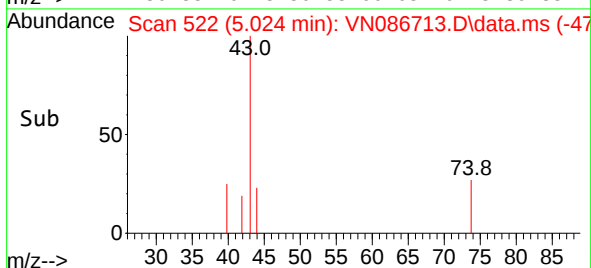
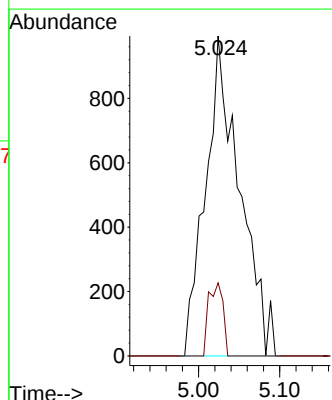
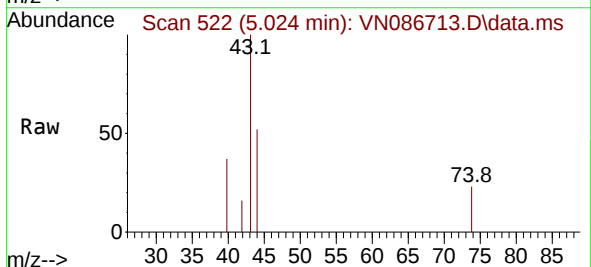
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

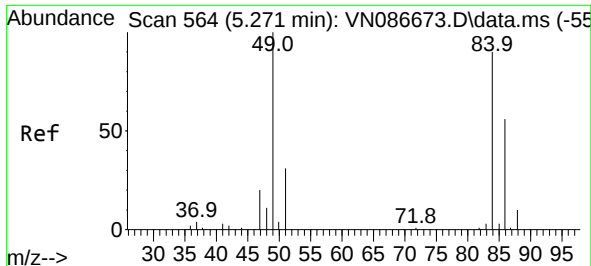
Tgt Ion: 43 Resp: 26321
Ion Ratio Lower Upper
43 100
58 33.5 25.8 38.6



#18
Methyl Acetate
Concen: 1.155 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Tgt Ion: 43 Resp: 2903
Ion Ratio Lower Upper
43 100
74 9.5 20.5 30.7#

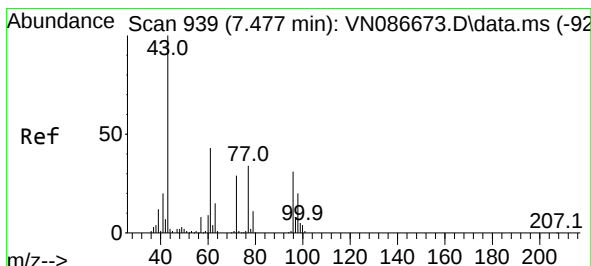
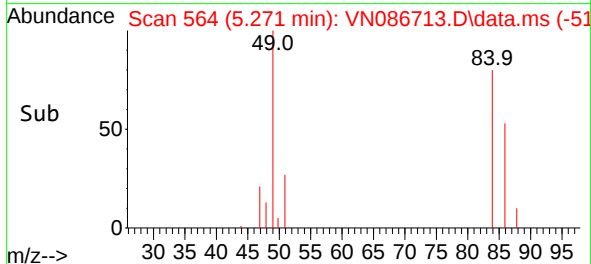
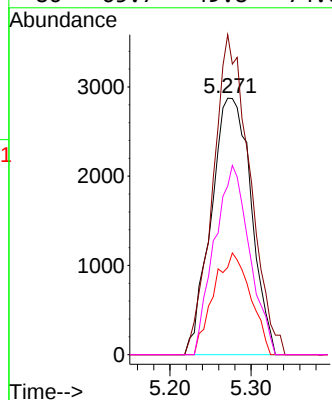
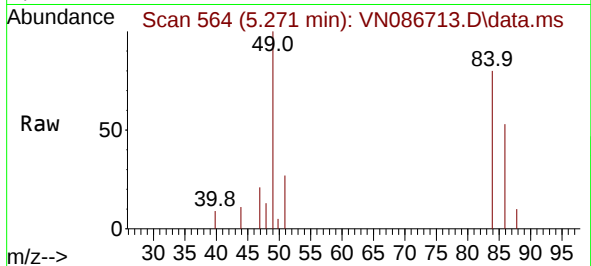




#20
Methylene Chloride
Concen: 4.151 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

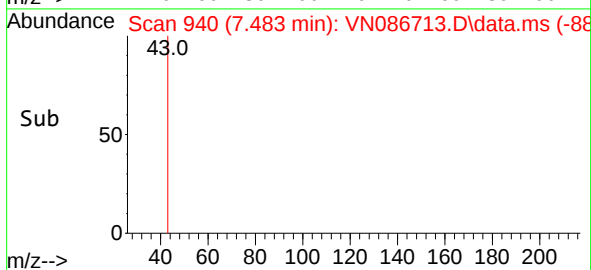
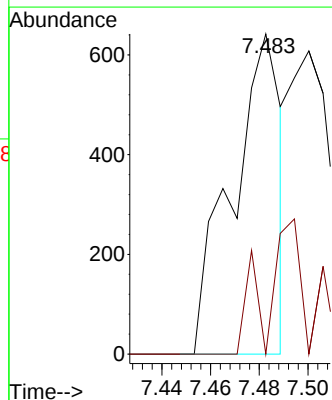
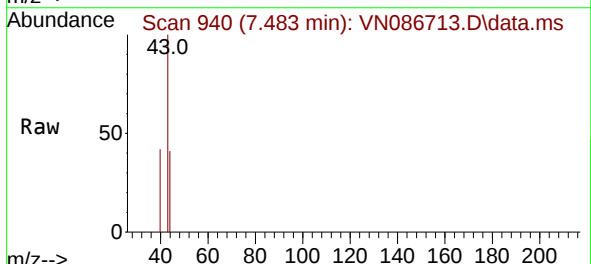
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

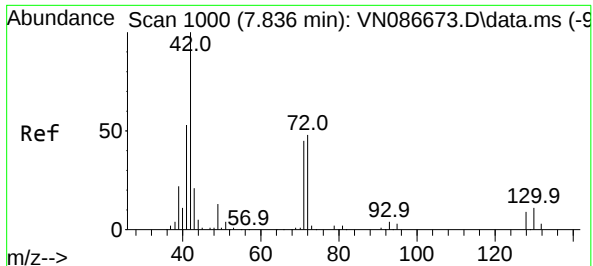
Tgt Ion:	84	Resp:	9835
Ion	Ratio	Lower	Upper
84	100		
49	124.8	88.8	133.2
51	34.0	27.8	41.6
86	65.7	49.8	74.6



#25
2-Butanone
Concen: 0.647 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Tgt Ion:	43	Resp:	897
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.1	34.7#





#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

L1-WC-8

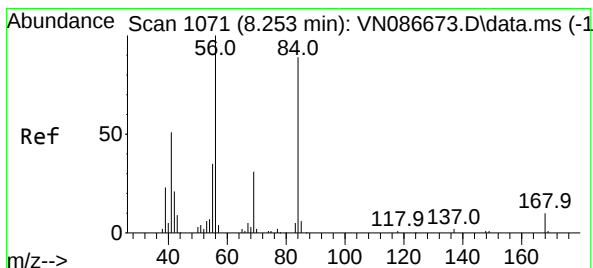
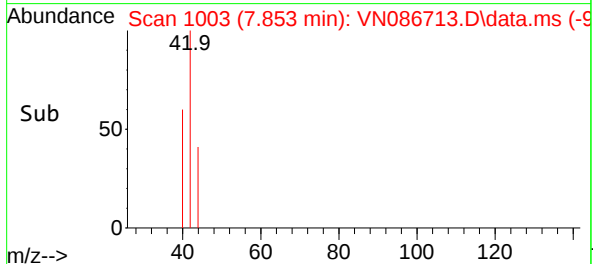
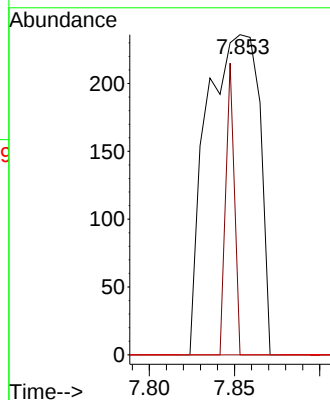
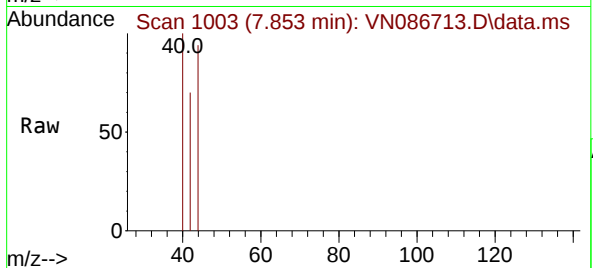
Tgt Ion: 42 Resp: 507

Ion Ratio Lower Upper

42 100

72 15.0 38.7 58.1#

71 0.0 36.2 54.4#



#31

Cyclohexane

Concen: 1.076 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

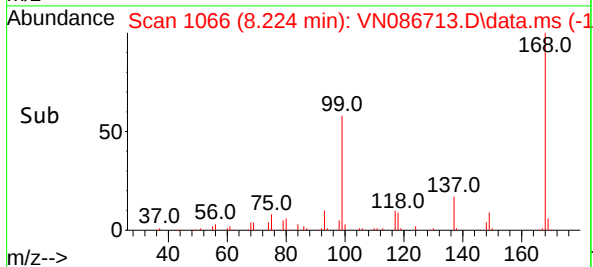
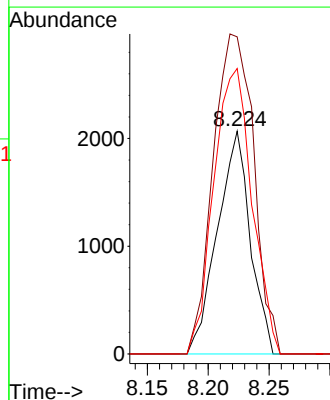
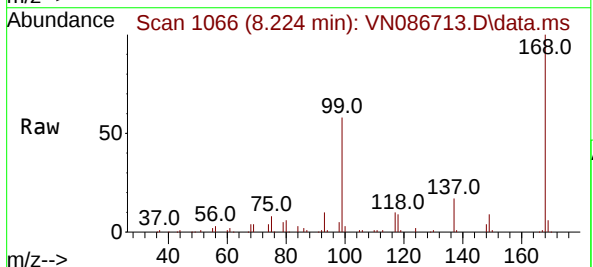
Tgt Ion: 56 Resp: 3876

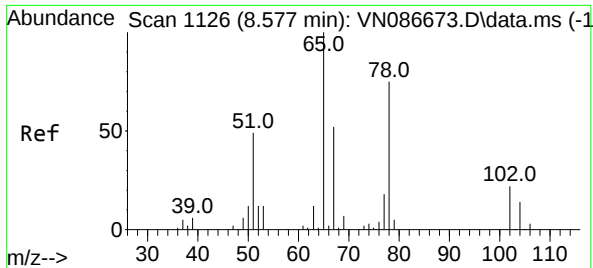
Ion Ratio Lower Upper

56 100

69 142.4 25.0 37.6#

84 128.2 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 52.726 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

Instrument :

MSVOA_N

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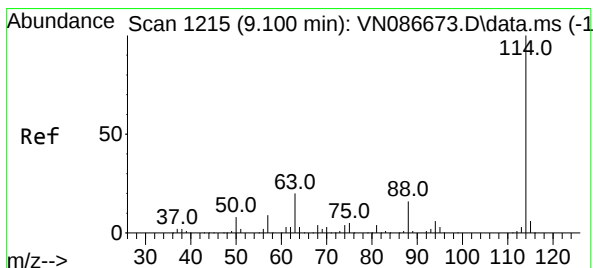
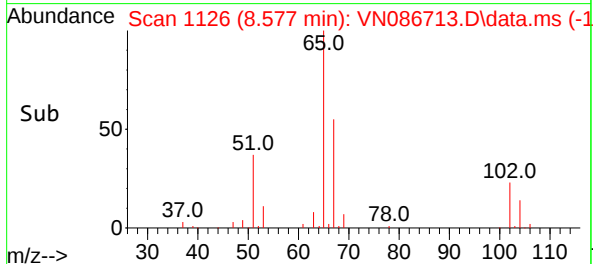
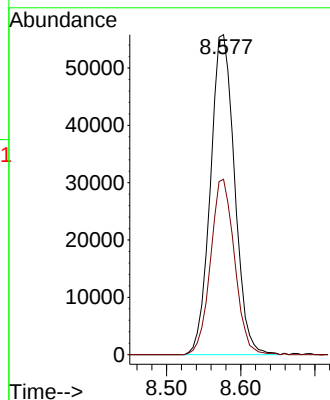
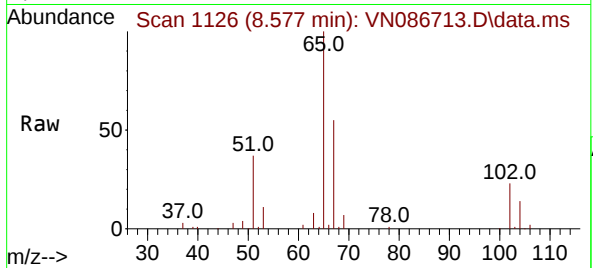
L1-WC-8

Tgt Ion: 65 Resp: 126544

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

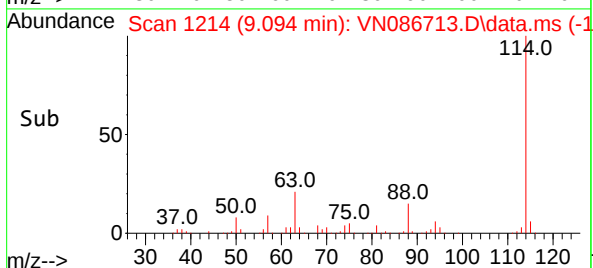
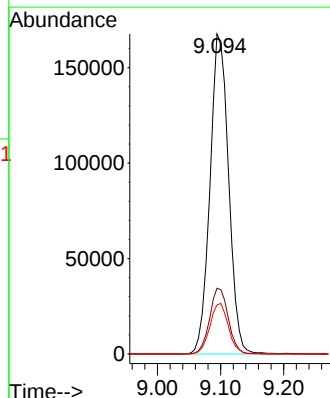
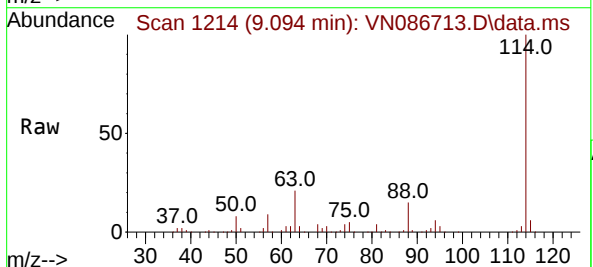
Tgt Ion: 114 Resp: 343623

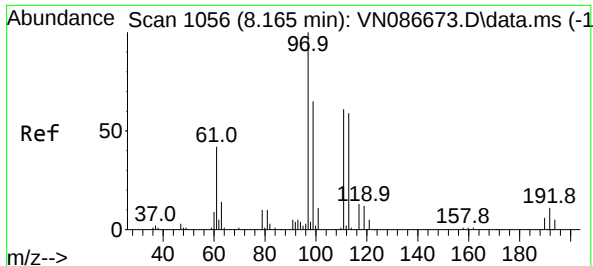
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

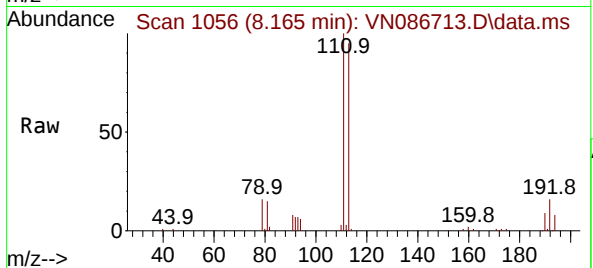
88 15.3 0.0 31.2



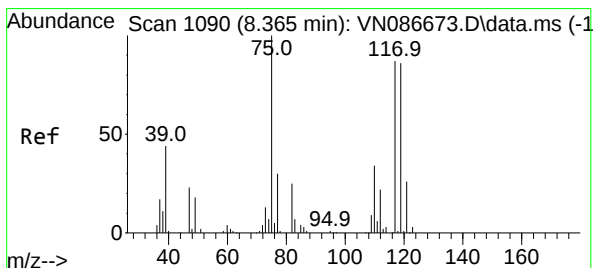
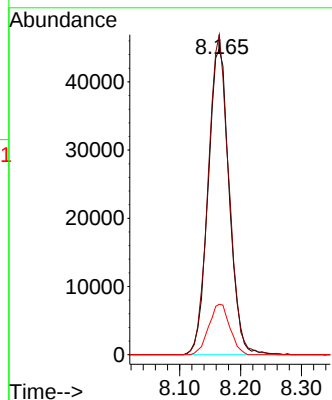
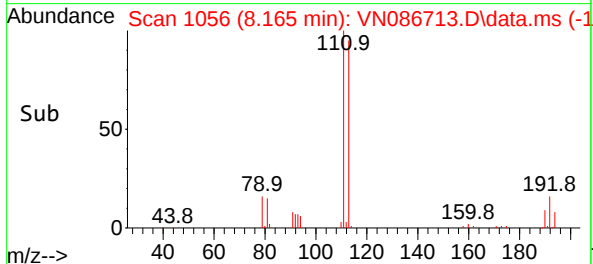


#35
Dibromofluoromethane
Concen: 52.824 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

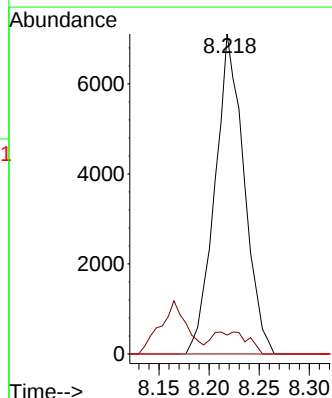
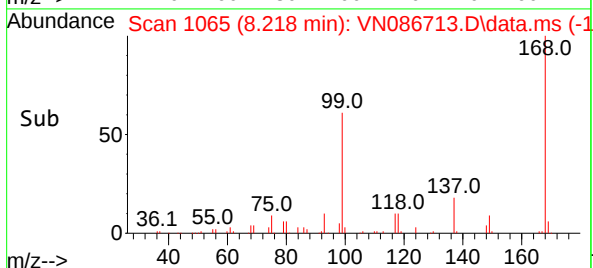
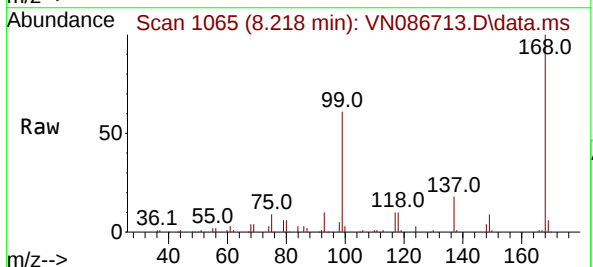


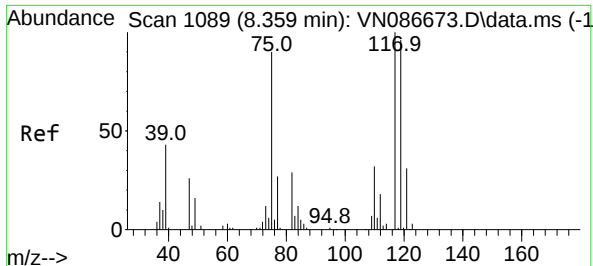
Tgt Ion:113 Resp: 108101
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 16.4 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

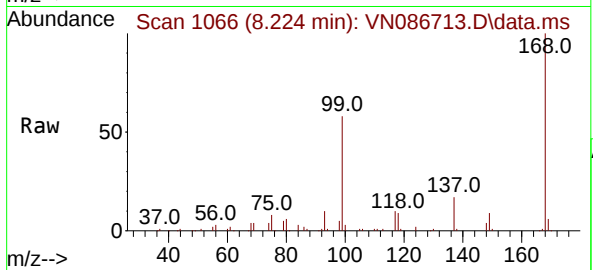
Tgt Ion: 75 Resp: 14345
Ion Ratio Lower Upper
75 100
110 8.6 17.5 52.5#
77 0.0 25.1 37.7#



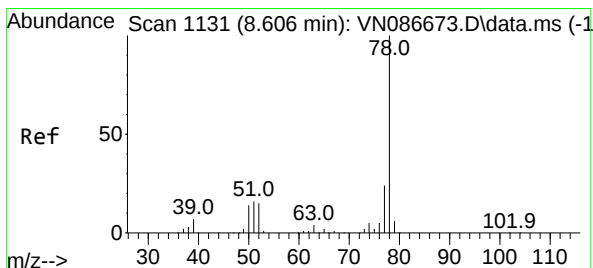
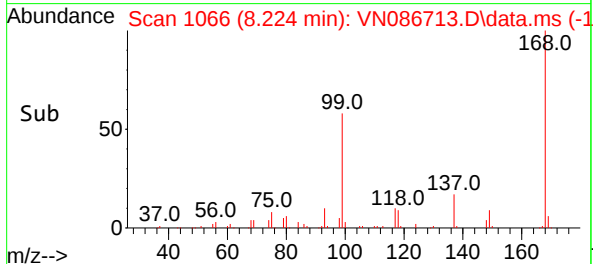
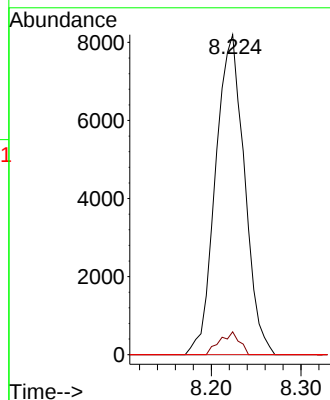


#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

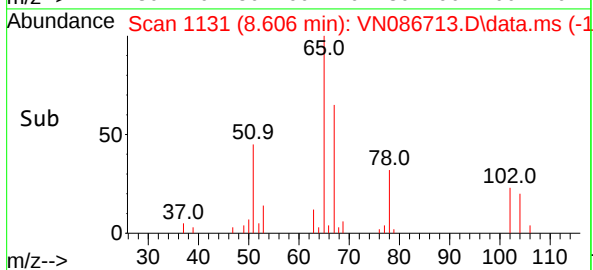
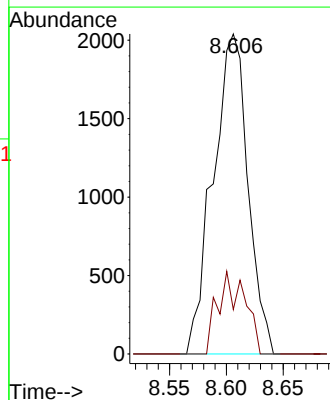
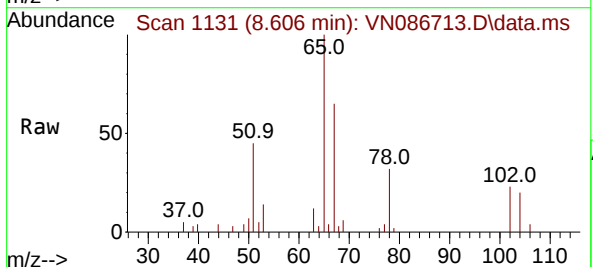


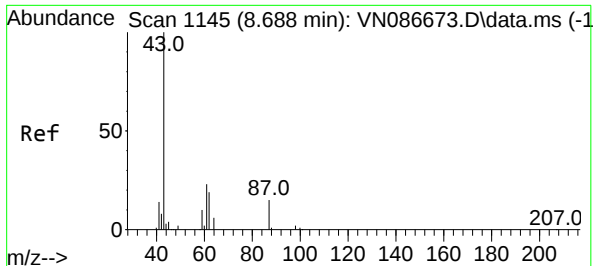
Tgt Ion:117 Resp: 18328
Ion Ratio Lower Upper
117 100
119 7.2 77.0 115.6#
121 0.0 25.0 37.6#



#40
Benzene
Concen: 0.443 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

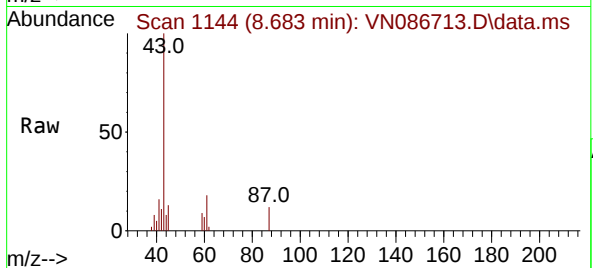
Tgt Ion: 78 Resp: 4359
Ion Ratio Lower Upper
78 100
77 13.9 19.1 28.7#



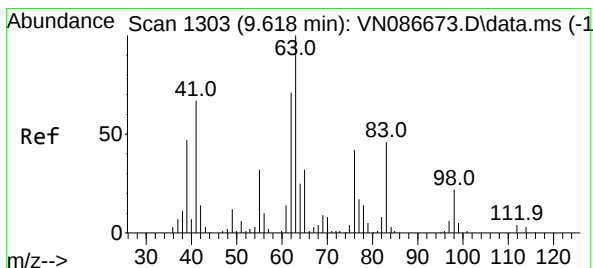
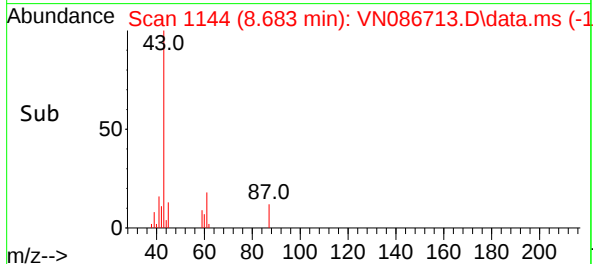
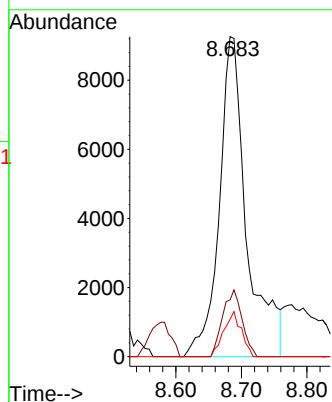


#43
Isopropyl Acetate
Concen: 4.390 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

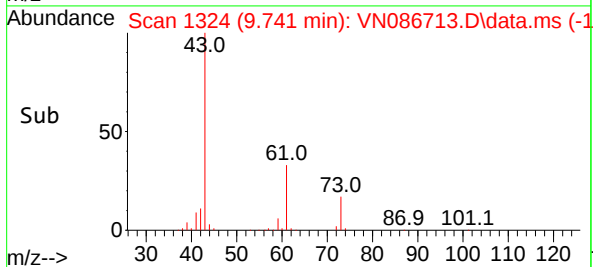
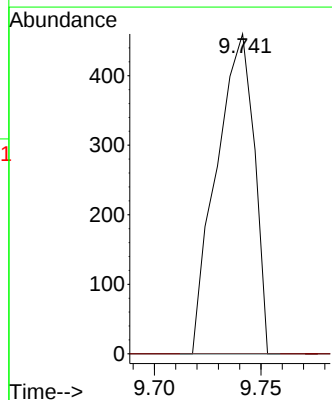
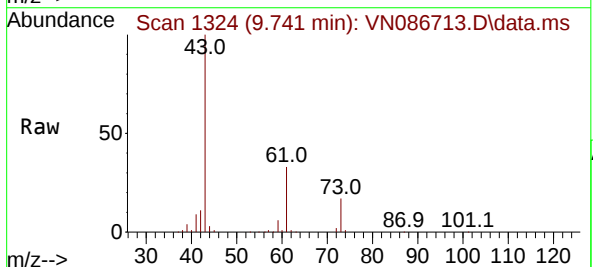


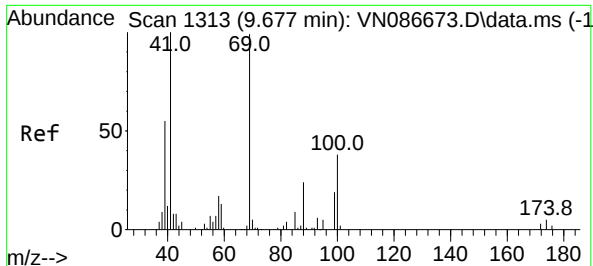
Tgt Ion: 43 Resp: 26835
Ion Ratio Lower Upper
43 100
61 14.8 21.4 32.2#
87 9.0 11.1 16.7#



#45
1,2-Dichloropropane
Concen: 0.242 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Tgt Ion: 63 Resp: 566
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#

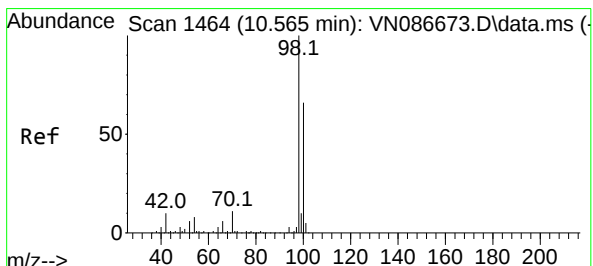
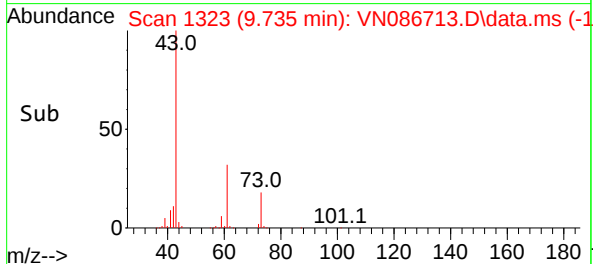
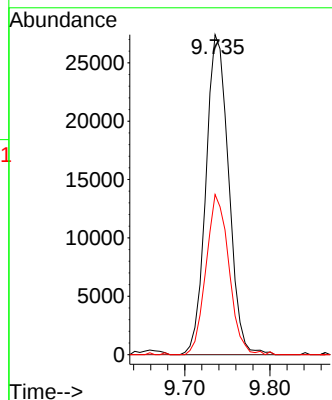
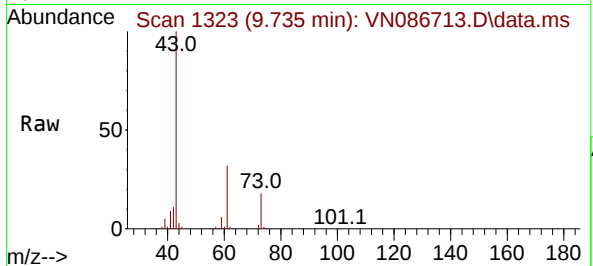




#48
Methyl methacrylate
Concen: 21.460 ug/l
RT: 9.735 min Scan# 1313
Delta R.T. 0.059 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

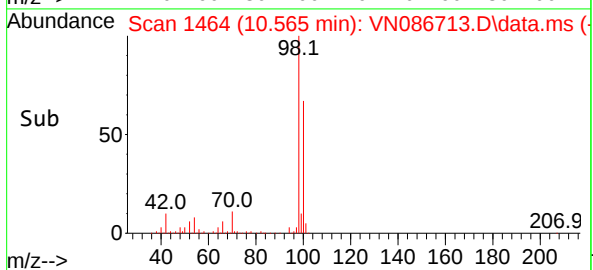
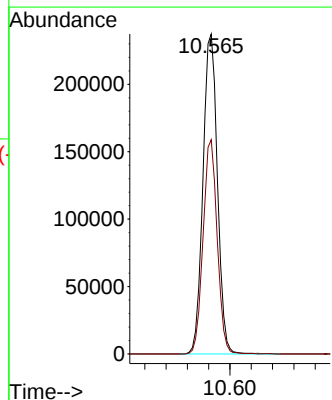
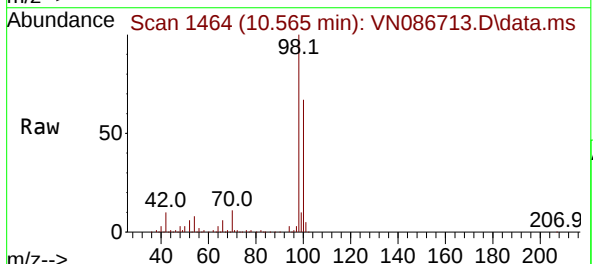
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

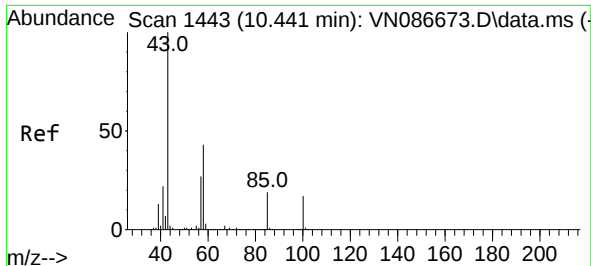
Tgt Ion: 41 Resp: 50832
Ion Ratio Lower Upper
41 100
69 0.0 74.1 111.1#
39 50.5 44.1 66.1



#50
Toluene-d8
Concen: 52.639 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Tgt Ion: 98 Resp: 446399
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3

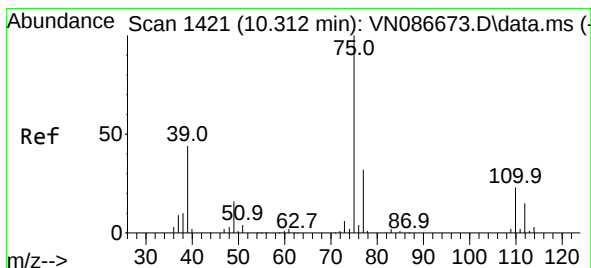
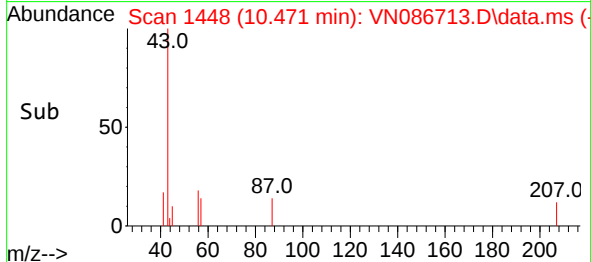
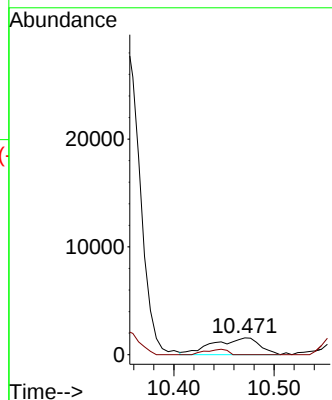
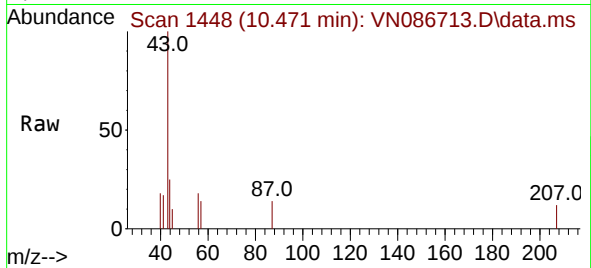




#51
4-Methyl-2-Pentanone
Concen: 1.631 ug/l
RT: 10.471 min Scan# 1448
Delta R.T. 0.029 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

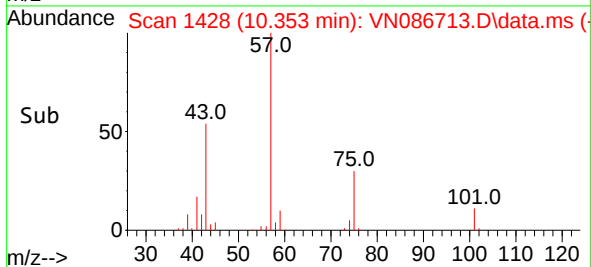
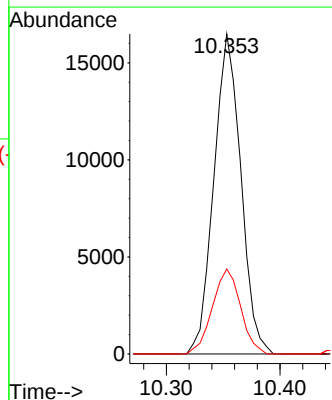
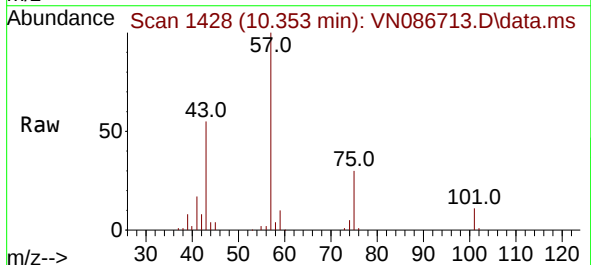
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

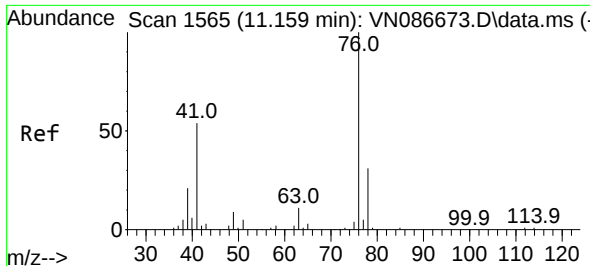
Tgt Ion: 43 Resp: 5029
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#



#54
cis-1,3-Dichloropropene
Concen: 7.225 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Tgt Ion: 75 Resp: 27156
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 26.6 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.503 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

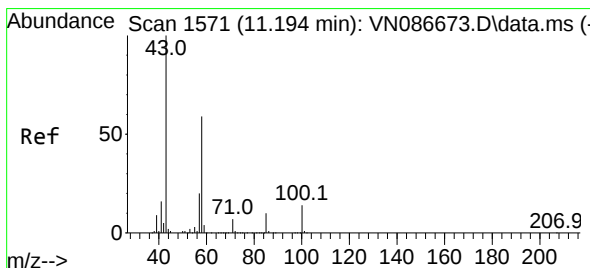
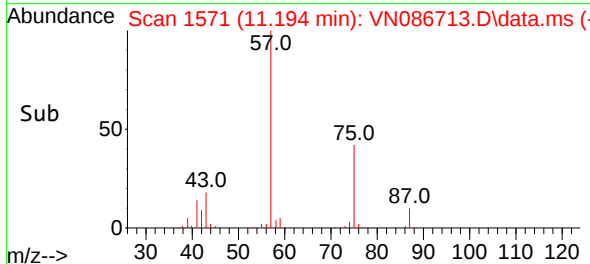
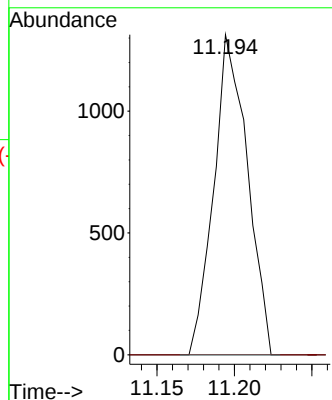
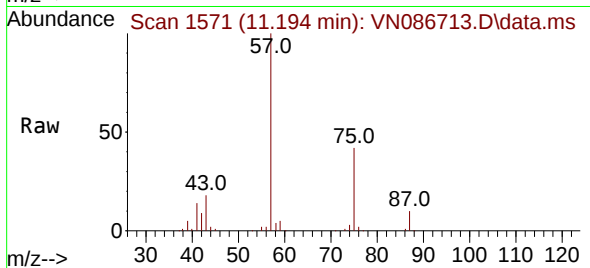
L1-WC-8

Tgt Ion: 76 Resp: 1979

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 16.078 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086713.D

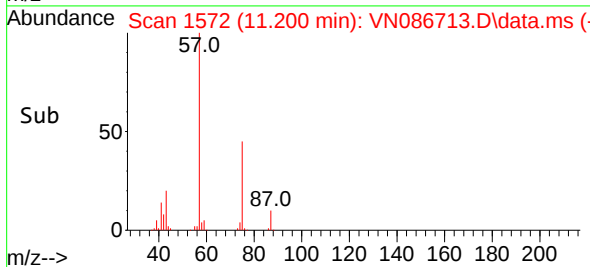
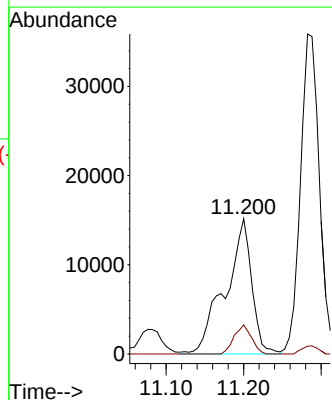
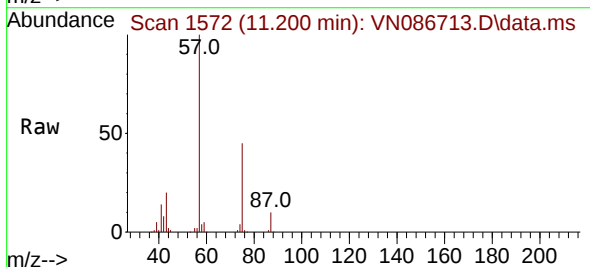
Acq: 20 May 2025 13:15

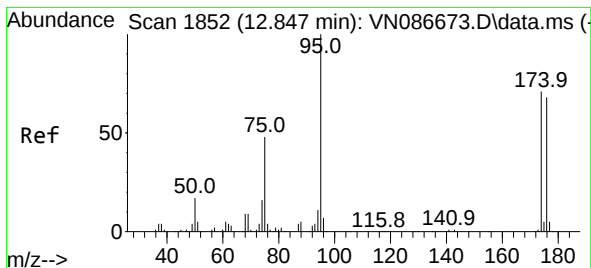
Tgt Ion: 43 Resp: 36193

Ion Ratio Lower Upper

43 100

58 14.0 29.8 89.5#

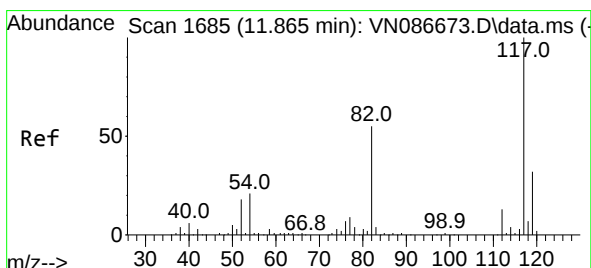
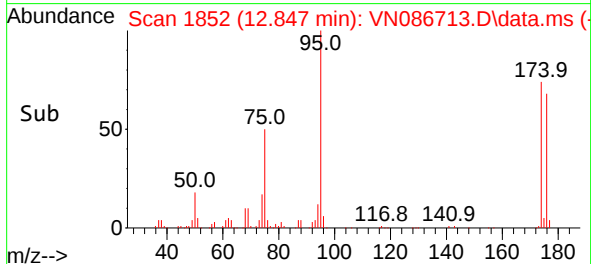
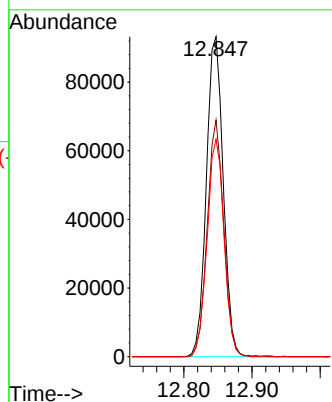
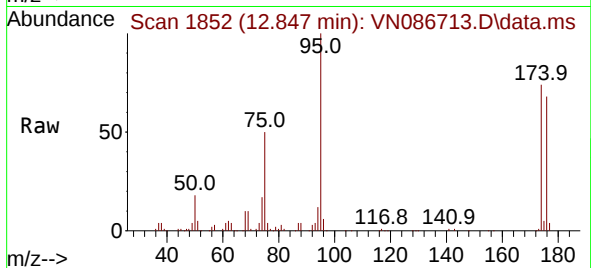




#62
4-Bromofluorobenzene
Concen: 53.585 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

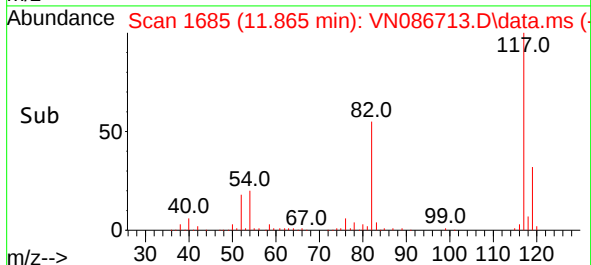
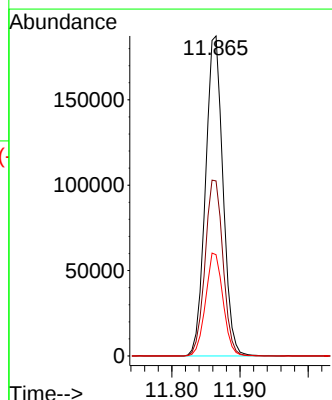
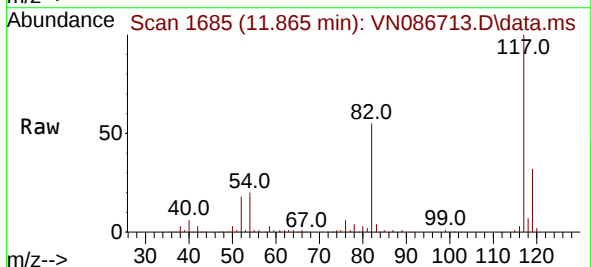
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-8

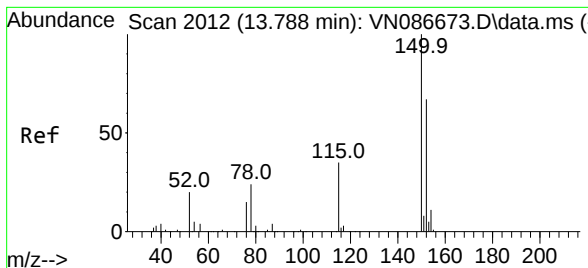
Tgt Ion: 95 Resp: 160456
Ion Ratio Lower Upper
95 100
174 72.2 0.0 145.4
176 68.2 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086713.D
Acq: 20 May 2025 13:15

Tgt Ion: 117 Resp: 334441
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

L1-WC-8

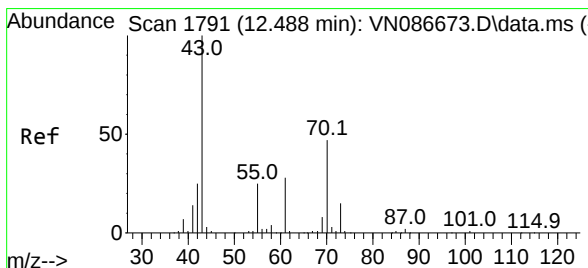
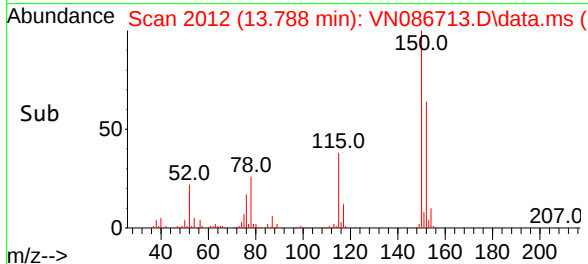
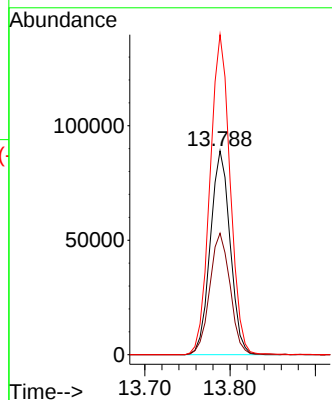
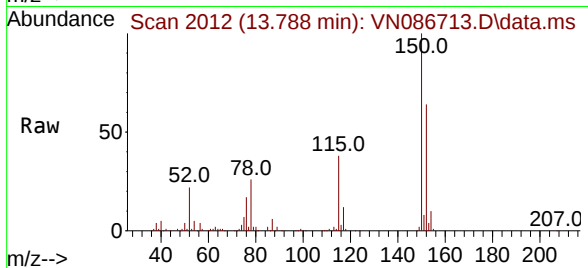
Tgt Ion:152 Resp: 144036

Ion Ratio Lower Upper

152 100

115 61.0 30.0 90.1

150 159.2 0.0 347.8



#74

N-ethyl acetate

Concen: 0.313 ug/l

RT: 12.447 min Scan# 1784

Delta R.T. -0.041 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

Tgt Ion: 43 Resp: 1454

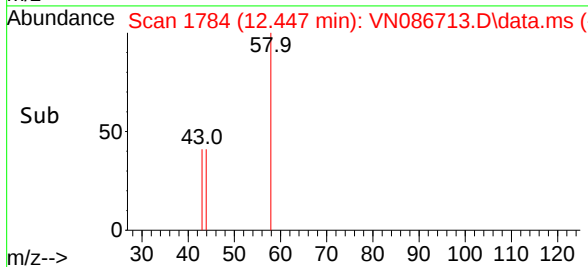
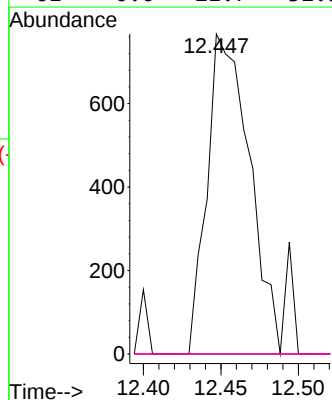
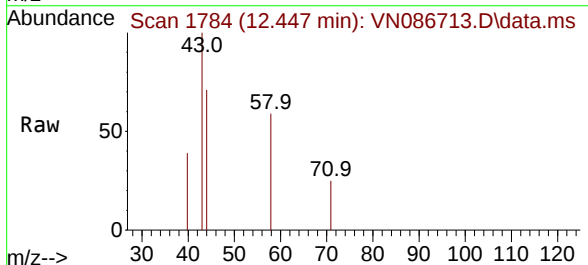
Ion Ratio Lower Upper

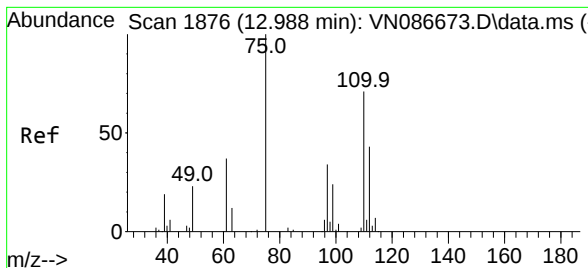
43 100

70 0.0 37.9 56.9#

55 0.0 20.5 30.7#

61 0.0 21.7 32.5#





#76

1,2,3-Trichloropropane

Concen: 24.201 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

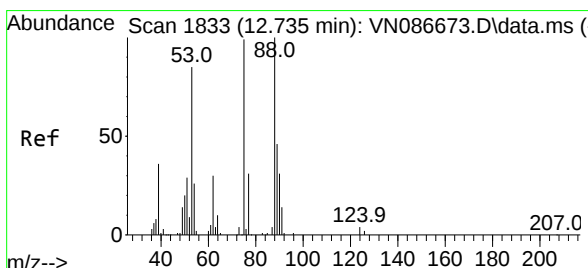
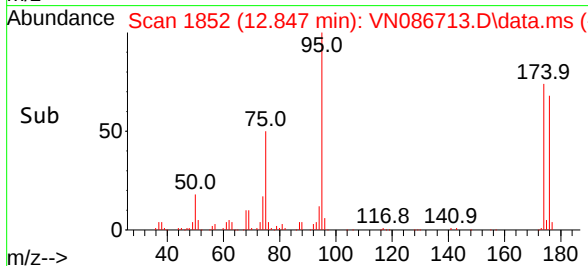
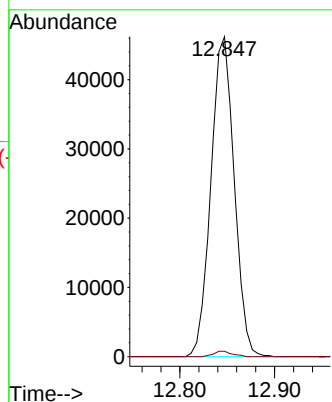
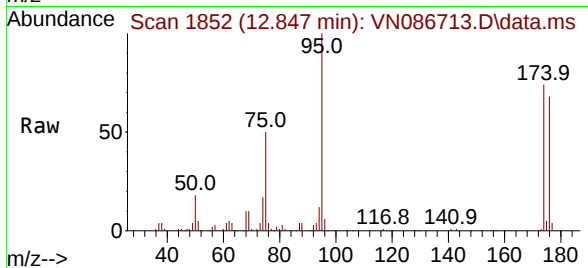
L1-WC-8

Tgt Ion: 75 Resp: 78836

Ion Ratio Lower Upper

75 100

77 1.4 96.0 288.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.076 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086713.D

Acq: 20 May 2025 13:15

Tgt Ion: 75 Resp: 78836

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 32.4 48.6#

