

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086715.D
 Acq On : 20 May 2025 14:03
 Operator : JC\MD
 Sample : Q2071-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 L2-WC-5

Quant Time: May 21 01:45:35 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)

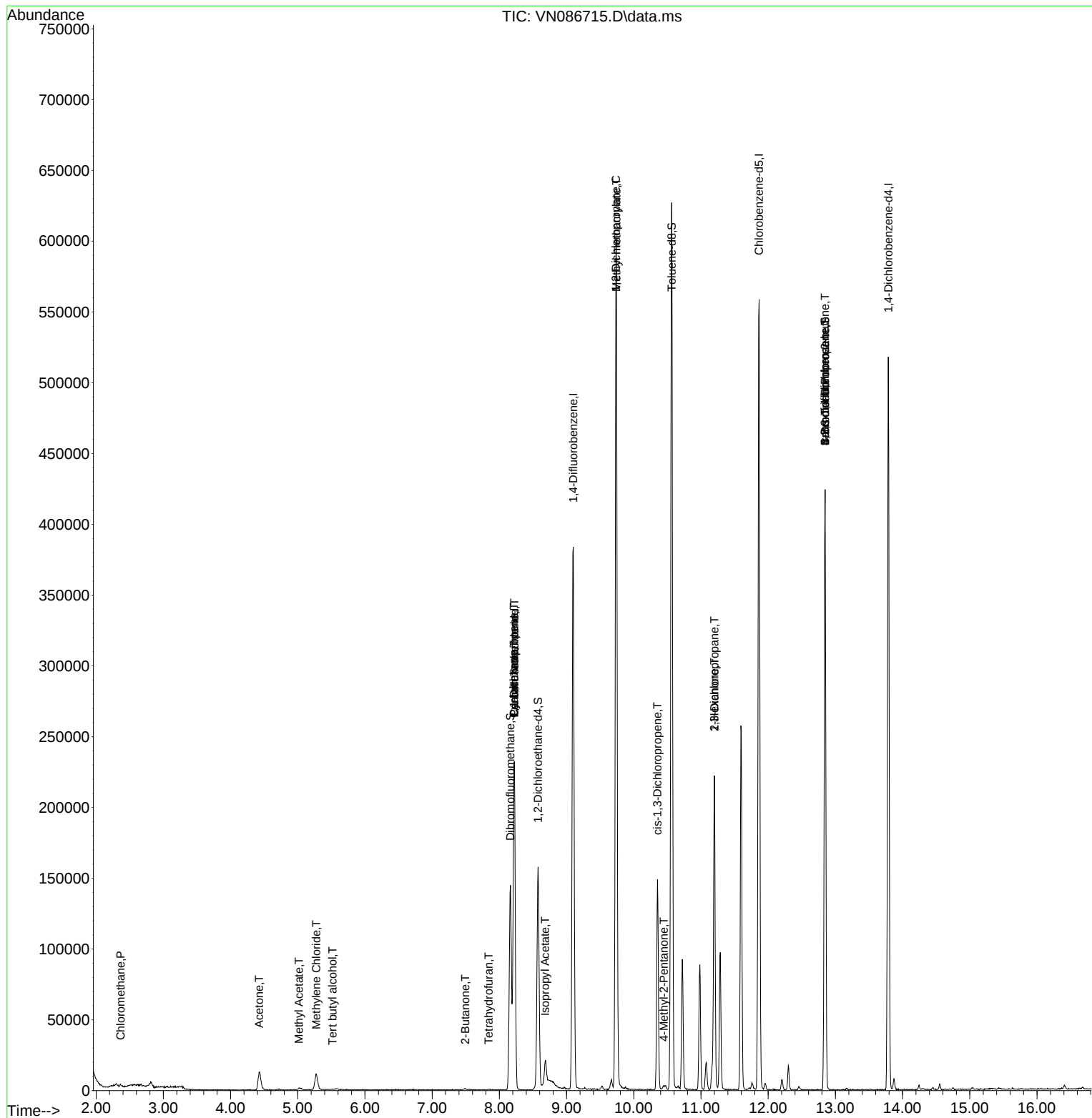
Internal Standards						
1) Pentafluorobenzene	8.224	168	175425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128907	53.178	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.360%			
35) Dibromofluoromethane	8.165	113	106786	51.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.540%			
50) Toluene-d8	10.565	98	452679	52.956	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.920%			
62) 4-Bromofluorobenzene	12.847	95	157067	52.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.080%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	791	0.276	ug/l	98
11) Tert butyl alcohol	5.518	59	115	0.260	ug/l #	73
16) Acetone	4.424	43	25251	27.848	ug/l	94
18) Methyl Acetate	5.018	43	3212	1.266	ug/l #	82
20) Methylene Chloride	5.277	84	9189	3.840	ug/l	96
25) 2-Butanone	7.494	43	1795	1.281	ug/l #	46
29) Tetrahydrofuran	7.841	42	575	0.629	ug/l #	30
31) Cyclohexane	8.218	56	3589	0.987	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14262	4.687	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18000	6.004	ug/l #	17
43) Isopropyl Acetate	8.682	43	28833	4.680	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	631	0.268	ug/l #	42
48) Methyl methacrylate	9.741	41	53182	22.274	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	2175	0.700	ug/l #	76
54) cis-1,3-Dichloropropene	10.353	75	27873	7.356	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	2305	0.581	ug/l #	42
59) 2-Hexanone	11.200	43	43528	19.183	ug/l #	40
71) Bromoform	12.847	173	808	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	79068	24.555	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79068	61.968	ug/l #	15

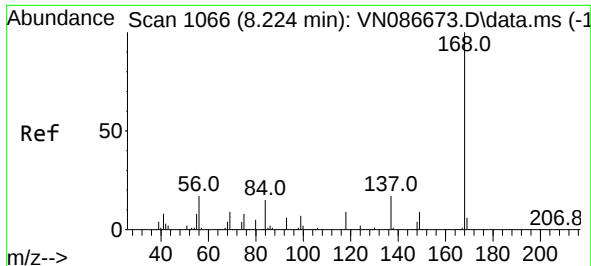
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
Data File : VN086715.D
Acq On : 20 May 2025 14:03
Operator : JC\MD
Sample : Q2071-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

Quant Time: May 21 01:45:35 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

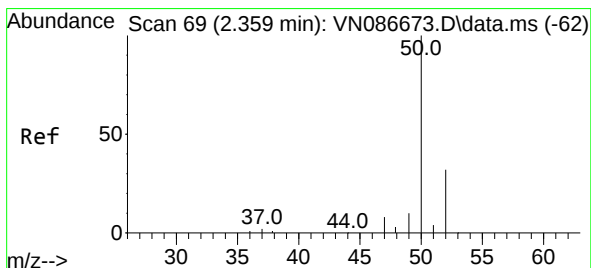
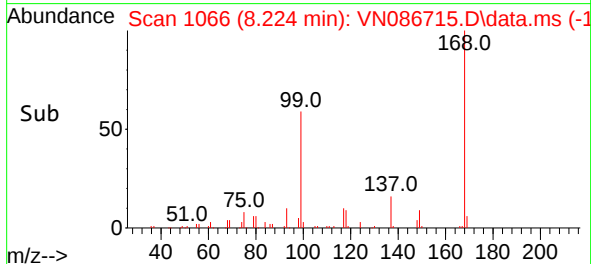
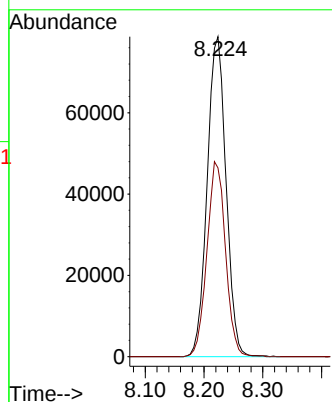
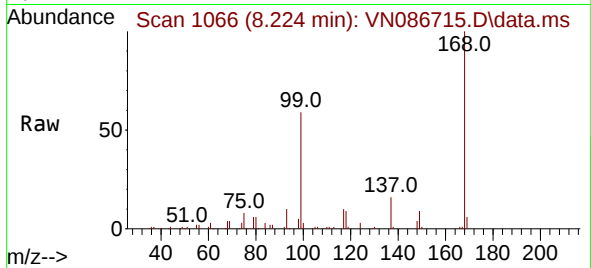




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

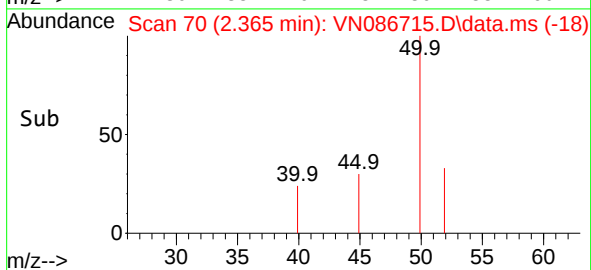
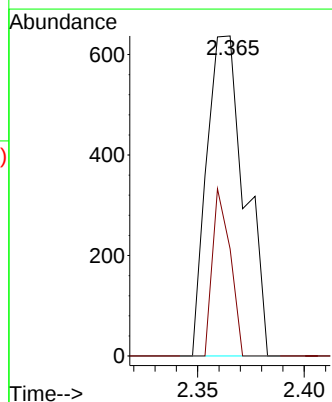
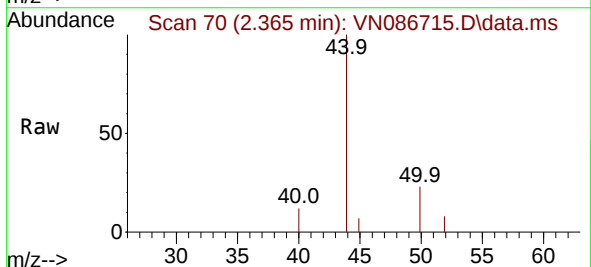
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

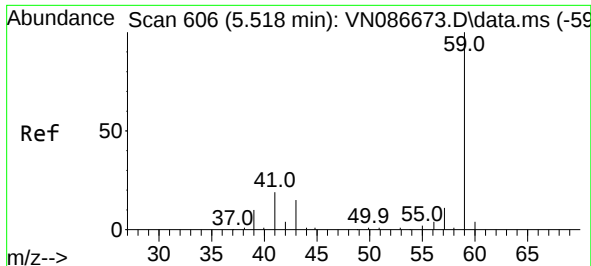
Tgt Ion:168 Resp: 175425
Ion Ratio Lower Upper
168 100
99 59.0 47.0 70.4



#3
Chloromethane
Concen: 0.276 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion: 50 Resp: 791
Ion Ratio Lower Upper
50 100
52 33.4 25.9 38.9

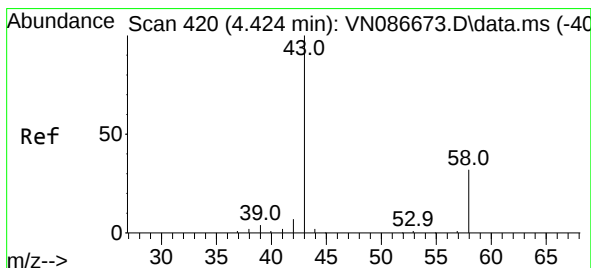
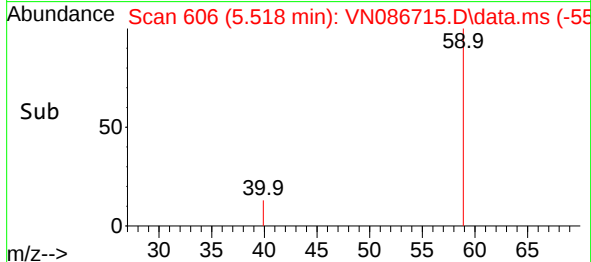
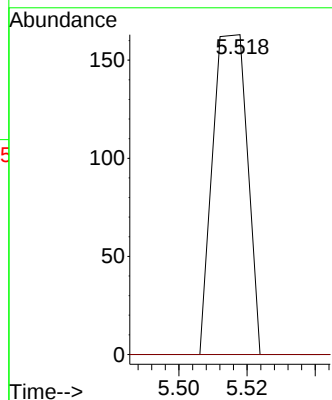
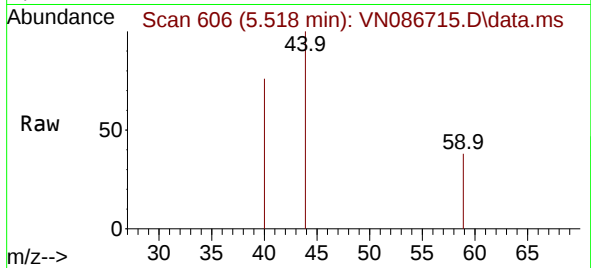




#11
Tert butyl alcohol
Concen: 0.260 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

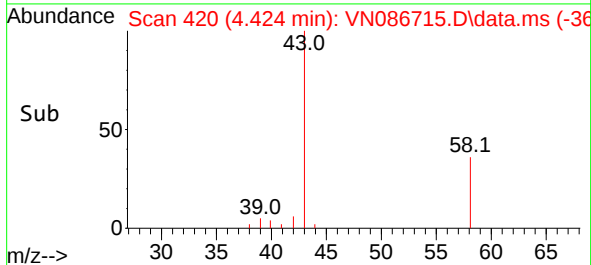
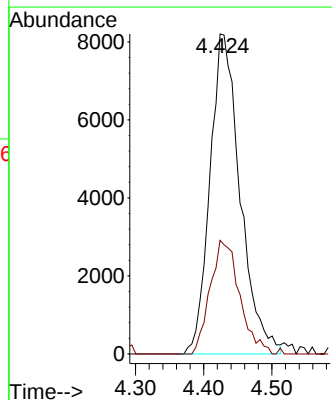
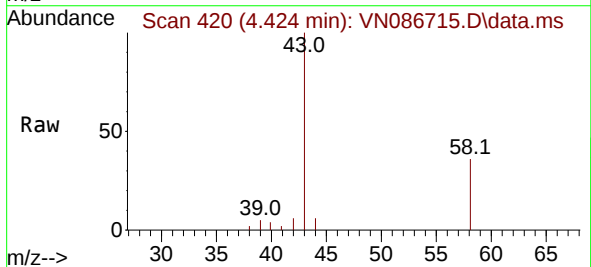
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

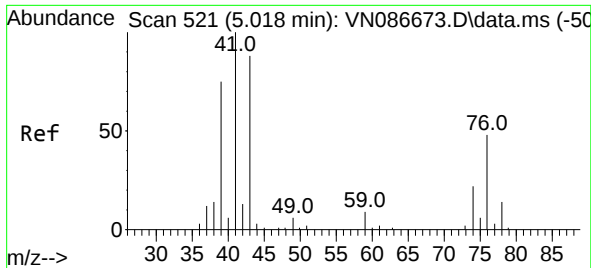
Tgt Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 27.848 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion: 43 Resp: 25251
Ion Ratio Lower Upper
43 100
58 35.5 25.8 38.6

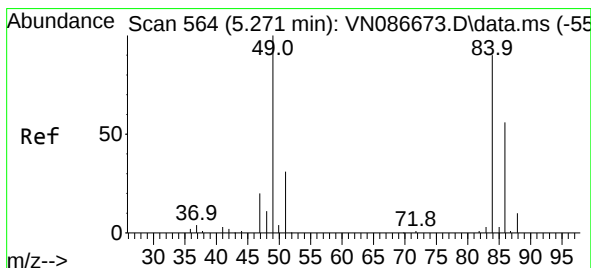
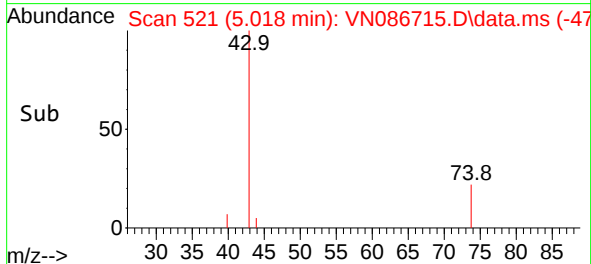
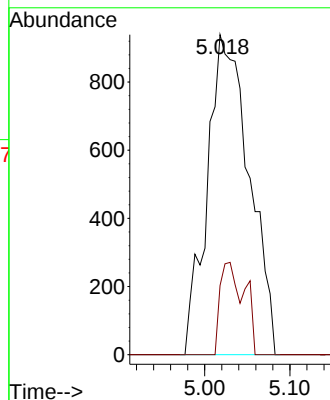
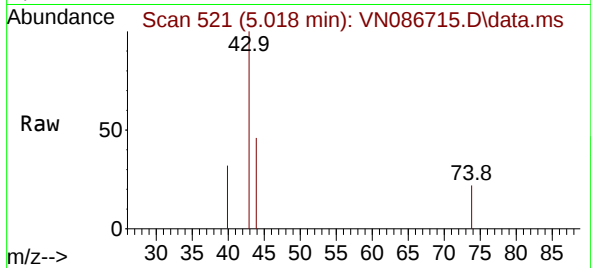




#18
Methyl Acetate
Concen: 1.266 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

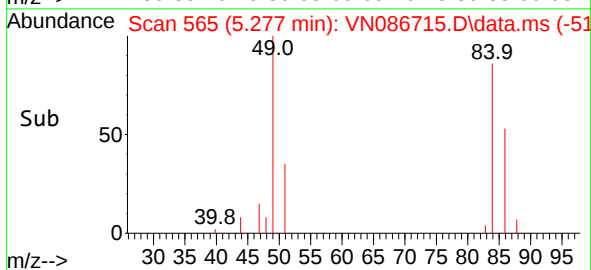
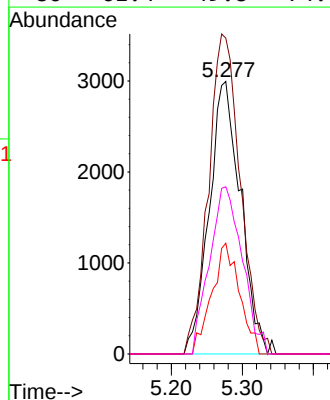
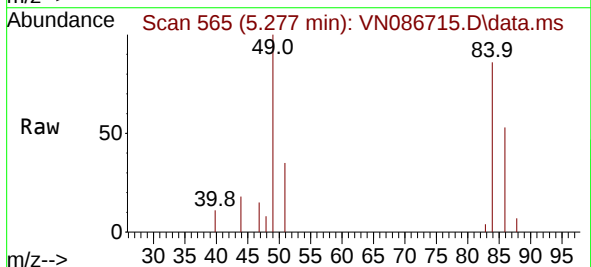
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

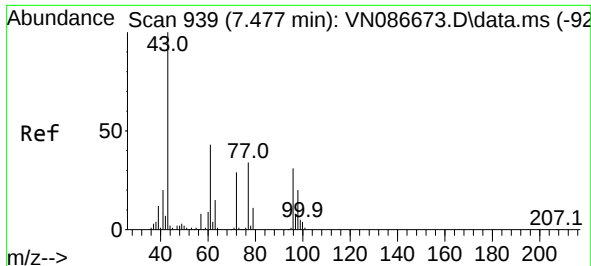
Tgt Ion: 43 Resp: 3212
Ion Ratio Lower Upper
43 100
74 16.6 20.5 30.7#



#20
Methylene Chloride
Concen: 3.840 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion: 84 Resp: 9189
Ion Ratio Lower Upper
84 100
49 115.9 88.8 133.2
51 40.6 27.8 41.6
86 61.4 49.8 74.6

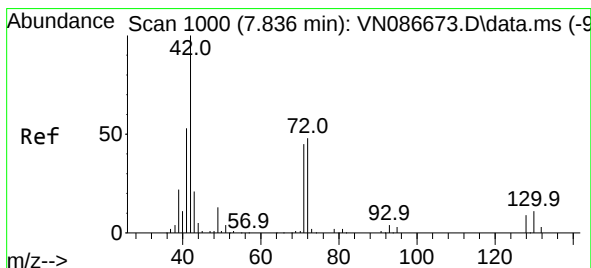
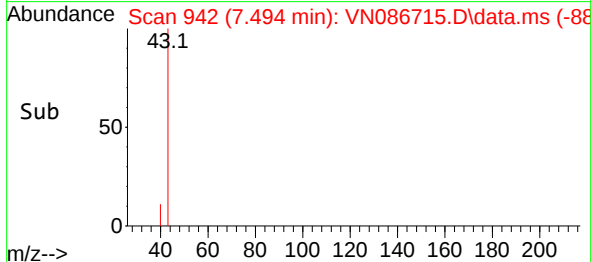
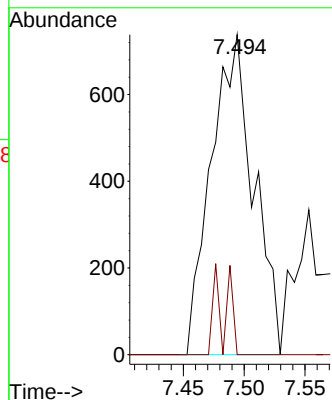
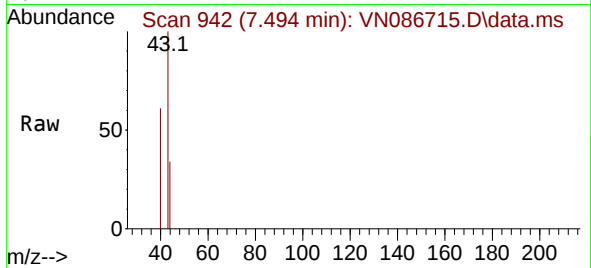




#25
2-Butanone
Concen: 1.281 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.017 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

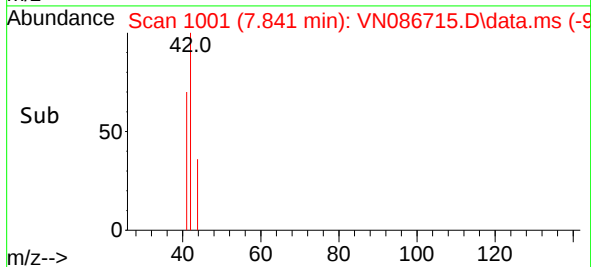
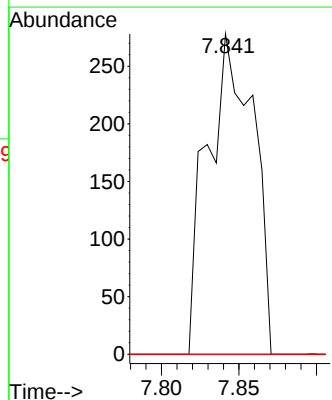
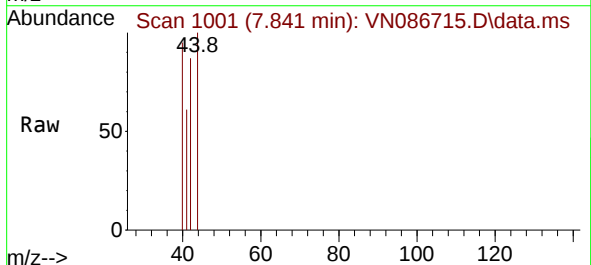
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

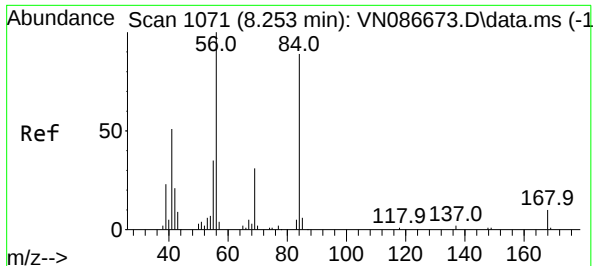
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.629 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

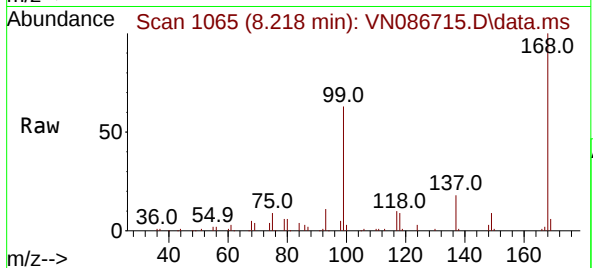
Tgt Ion: 42 Resp: 575
Ion Ratio Lower Upper
42 100
72 0.0 38.7 58.1#
71 0.0 36.2 54.4#



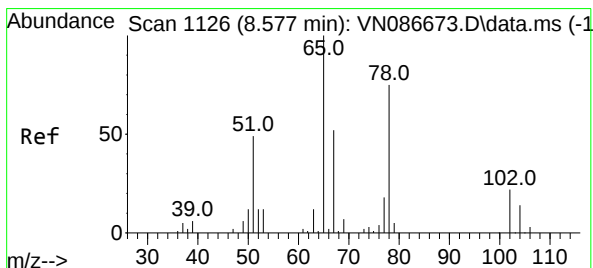
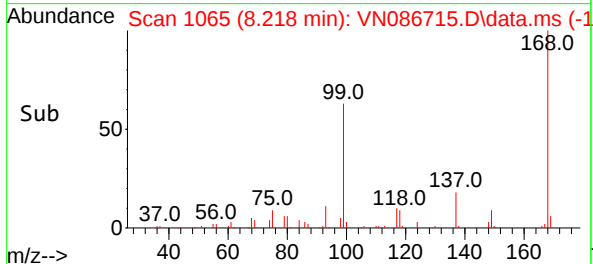
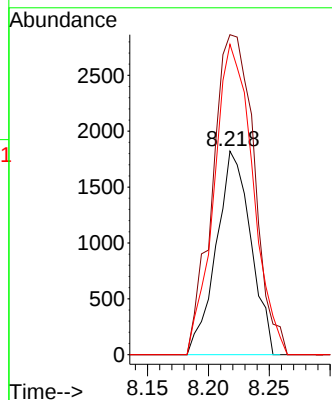


#31
Cyclohexane
Concen: 0.987 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

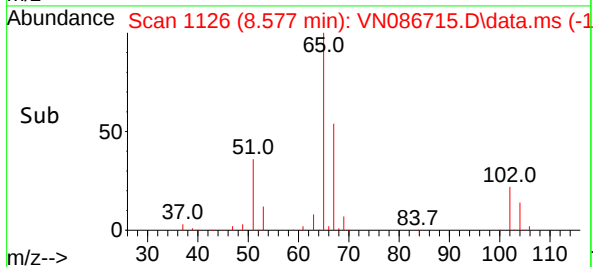
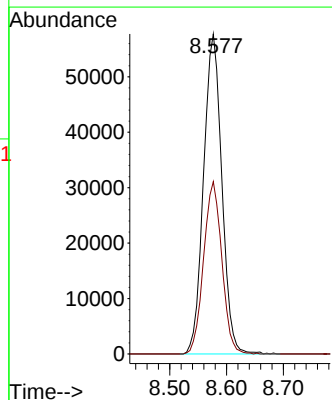
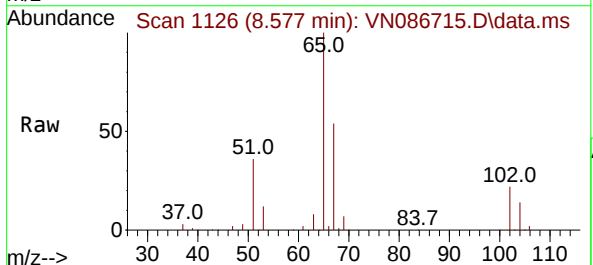


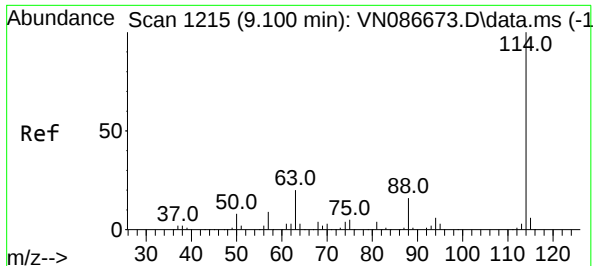
Tgt Ion: 56 Resp: 3589
Ion Ratio Lower Upper
56 100
69 157.2 25.0 37.6#
84 152.5 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 53.178 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion: 65 Resp: 128907
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086715.D

Acq: 20 May 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

L2-WC-5

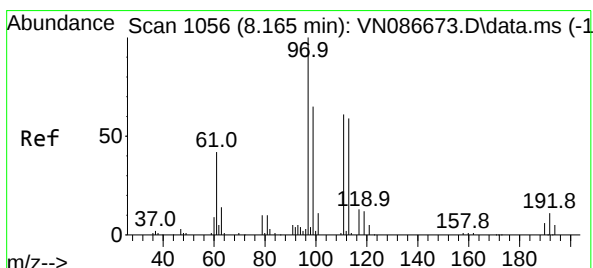
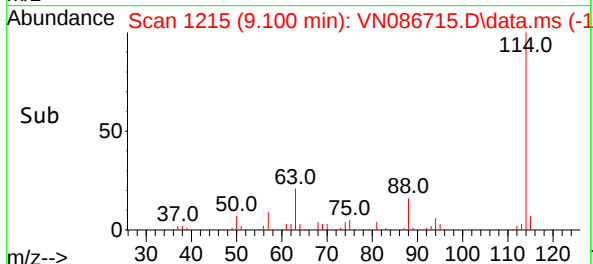
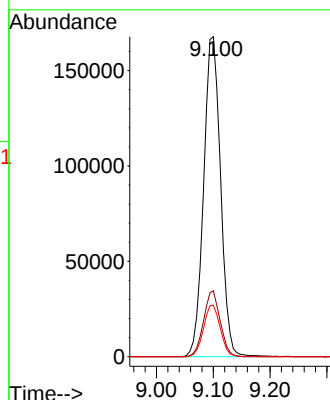
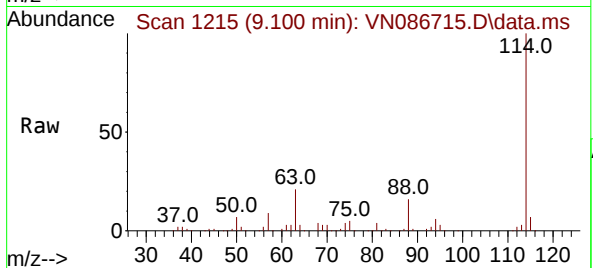
Tgt Ion:114 Resp: 346371

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 16.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 51.768 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086715.D

Acq: 20 May 2025 14:03

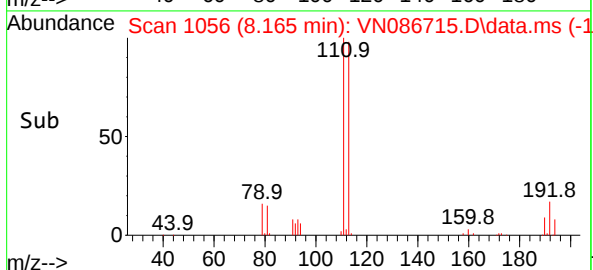
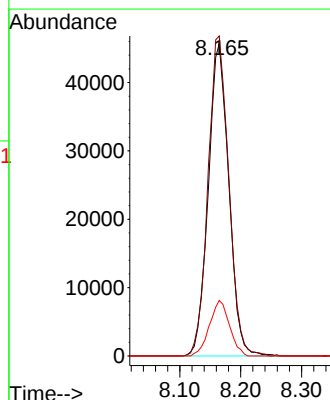
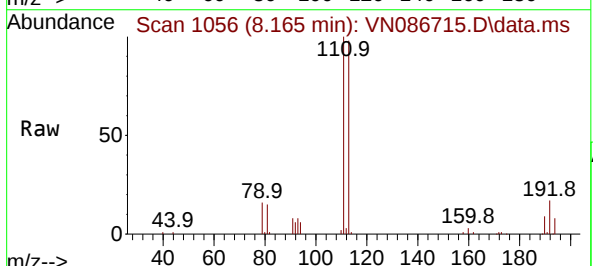
Tgt Ion:113 Resp: 106786

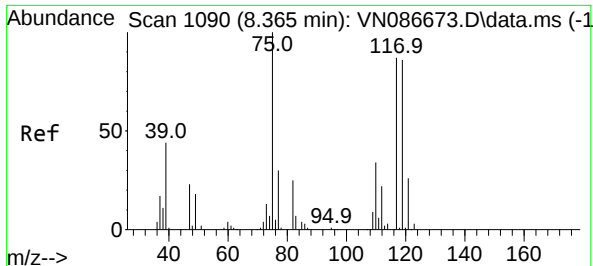
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

192 17.4 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.687 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086715.D

Acq: 20 May 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

L2-WC-5

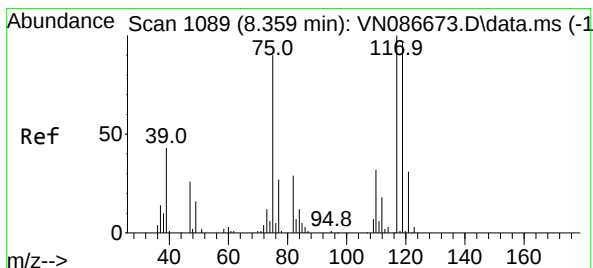
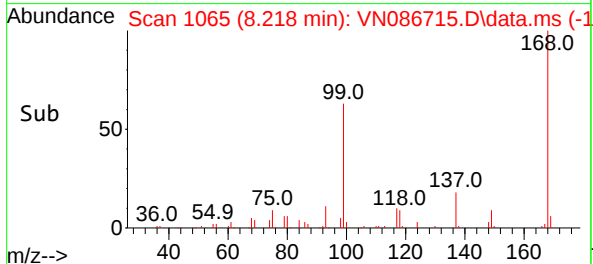
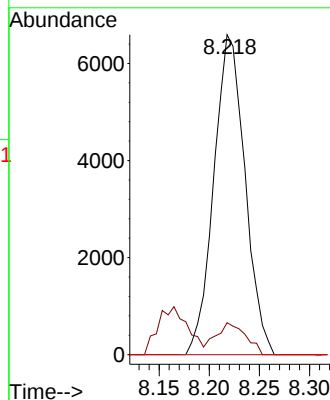
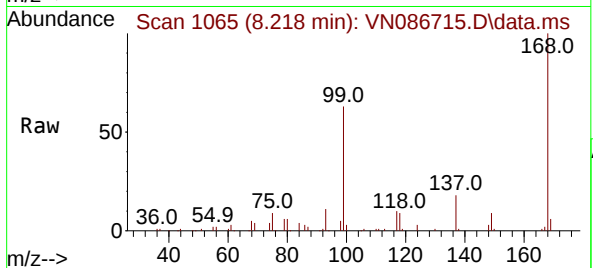
Tgt Ion: 75 Resp: 14262

Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.004 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086715.D

Acq: 20 May 2025 14:03

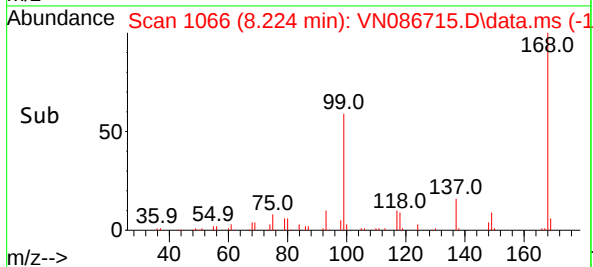
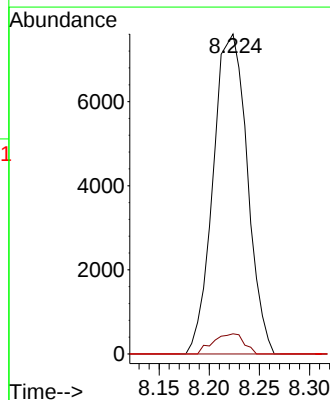
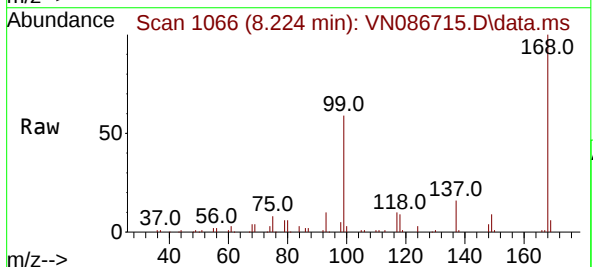
Tgt Ion: 117 Resp: 18000

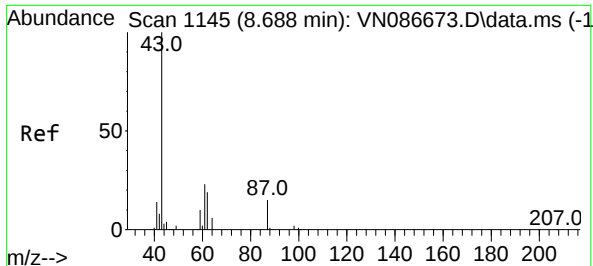
Ion Ratio Lower Upper

117 100

119 6.3 77.0 115.6#

121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 4.680 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086715.D

Acq: 20 May 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

L2-WC-5

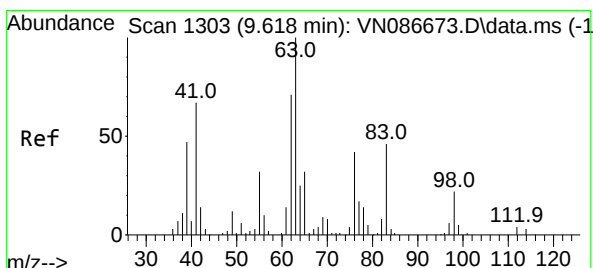
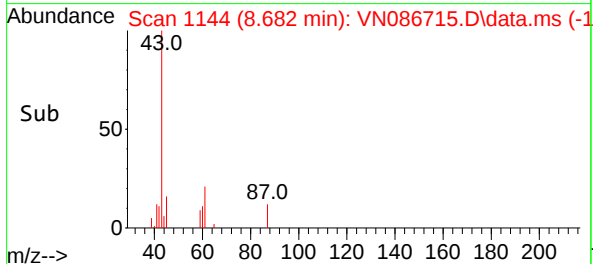
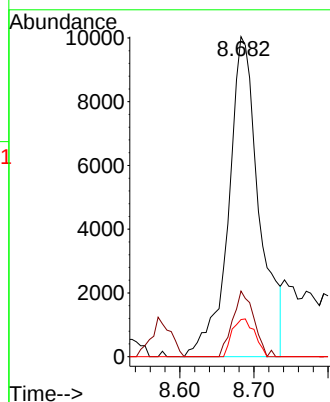
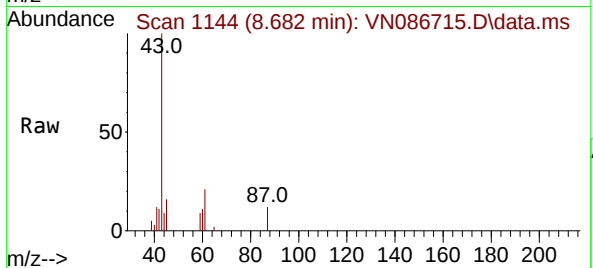
Tgt Ion: 43 Resp: 28833

Ion Ratio Lower Upper

43 100

61 14.3 21.4 32.2#

87 8.6 11.1 16.7#



#45

1,2-Dichloropropane

Concen: 0.268 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.117 min

Lab File: VN086715.D

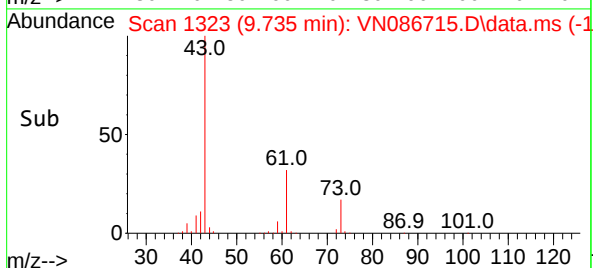
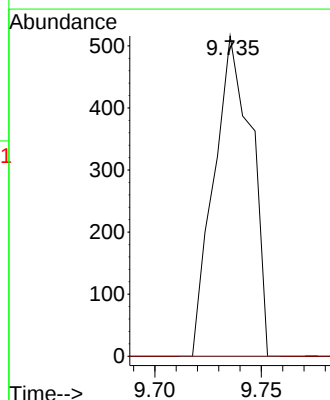
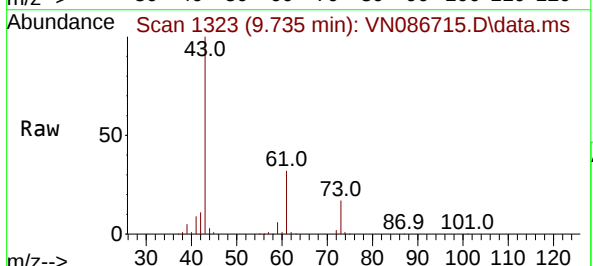
Acq: 20 May 2025 14:03

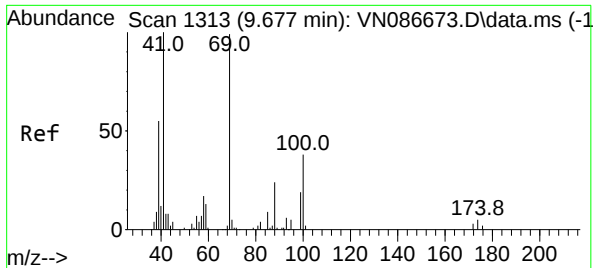
Tgt Ion: 63 Resp: 631

Ion Ratio Lower Upper

63 100

65 0.0 25.8 38.6#

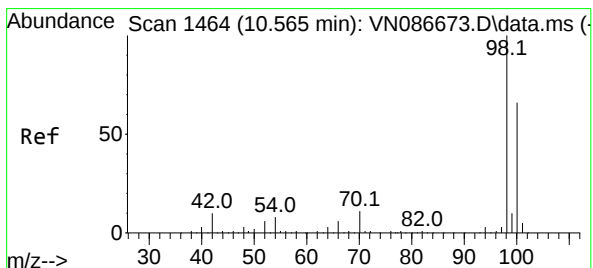
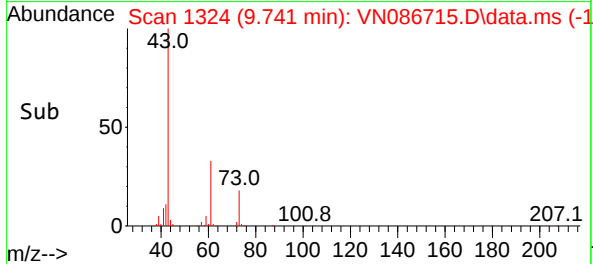
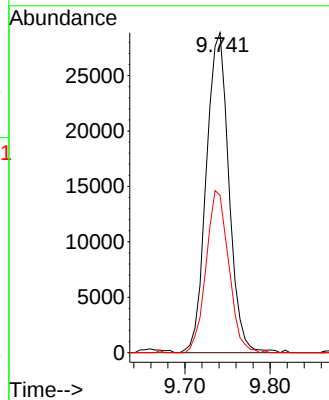
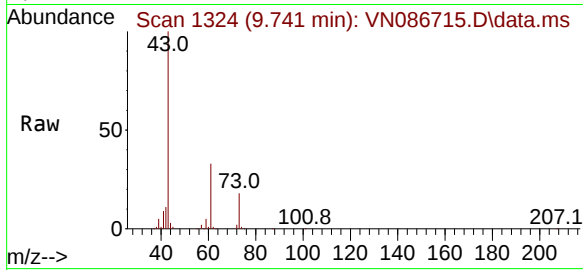




#48
Methyl methacrylate
Concen: 22.274 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

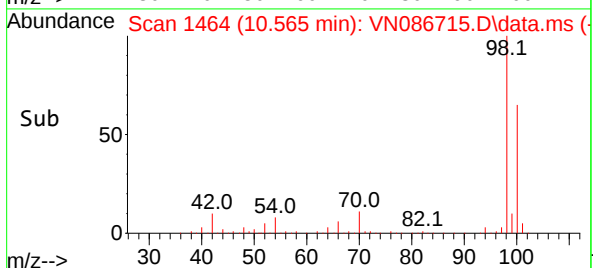
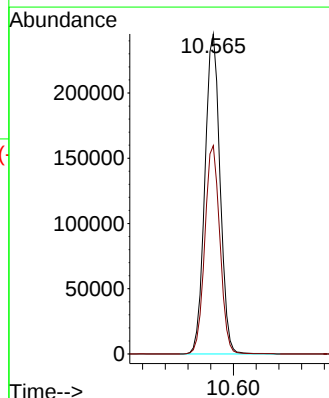
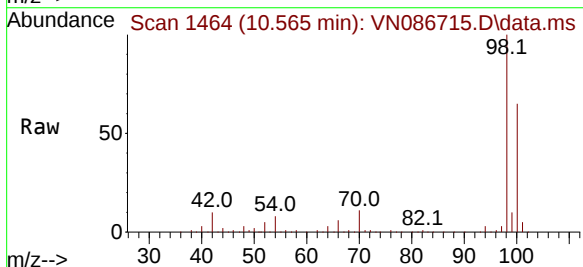
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

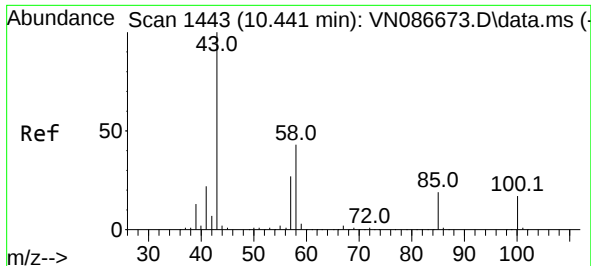
Tgt Ion: 41 Resp: 53182
Ion Ratio Lower Upper
41 100
69 0.0 74.1 111.1#
39 50.7 44.1 66.1



#50
Toluene-d8
Concen: 52.956 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion: 98 Resp: 452679
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3

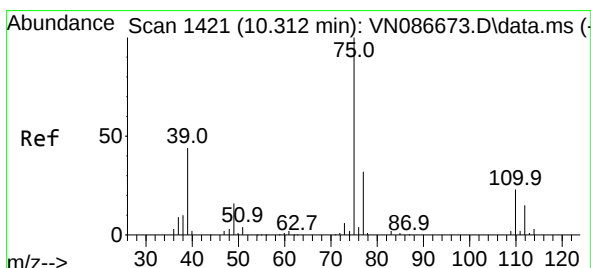
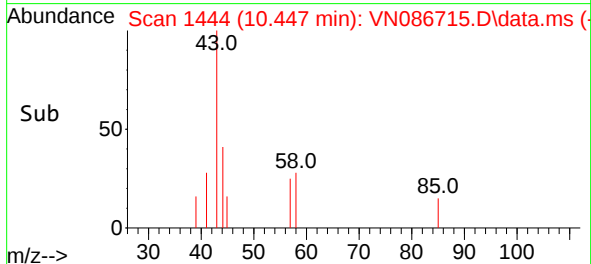
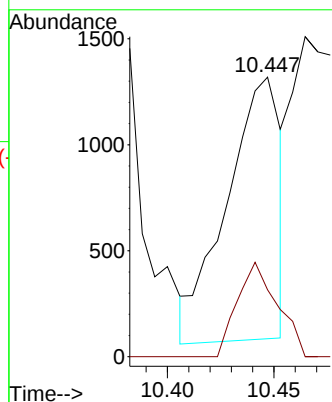
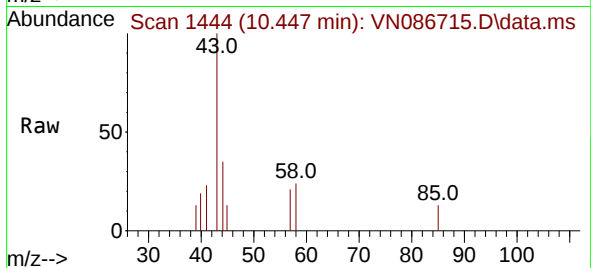




#51
4-Methyl-2-Pentanone
Concen: 0.700 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

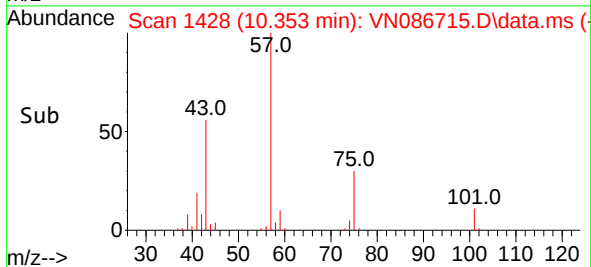
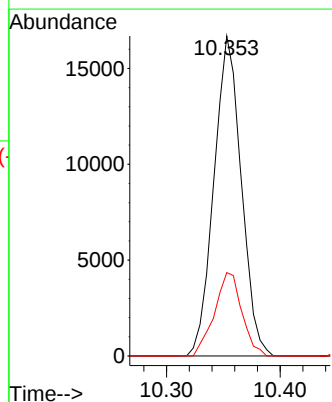
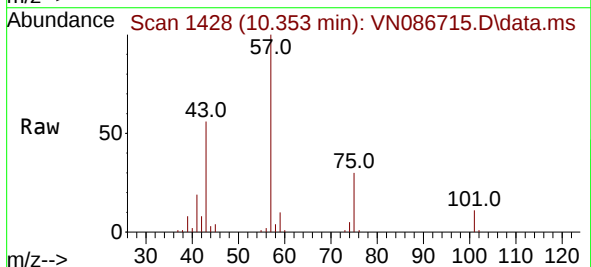
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

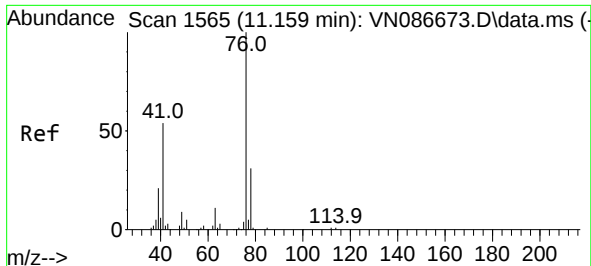
Tgt Ion: 43 Resp: 2175
Ion Ratio Lower Upper
43 100
58 26.9 33.9 50.9#



#54
cis-1,3-Dichloropropene
Concen: 7.356 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion: 75 Resp: 27873
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 26.1 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.581 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086715.D

Acq: 20 May 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

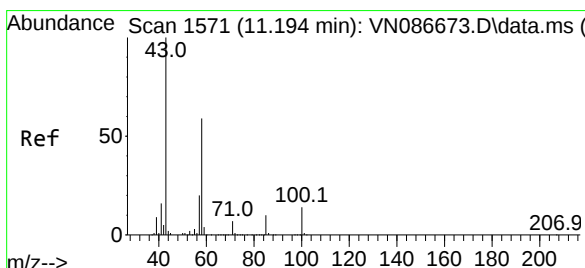
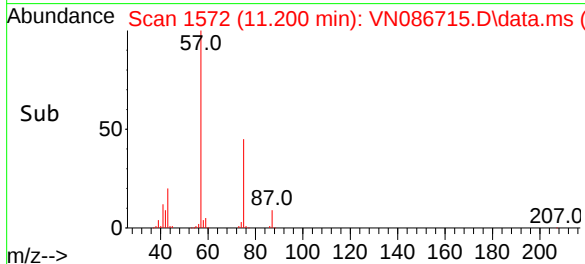
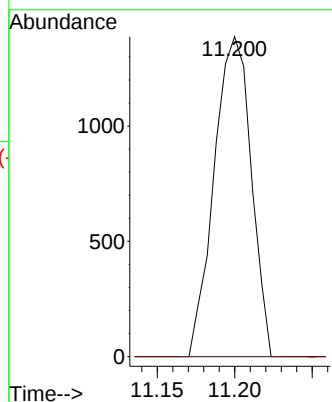
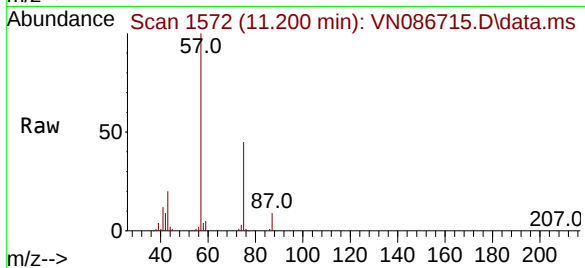
L2-WC-5

Tgt Ion: 76 Resp: 2305

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 19.183 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086715.D

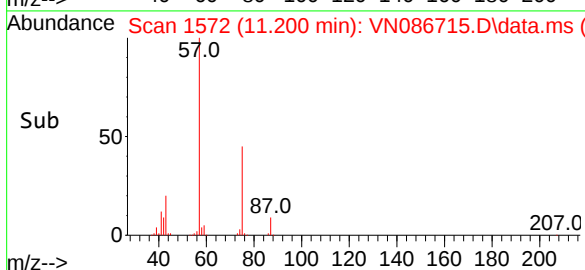
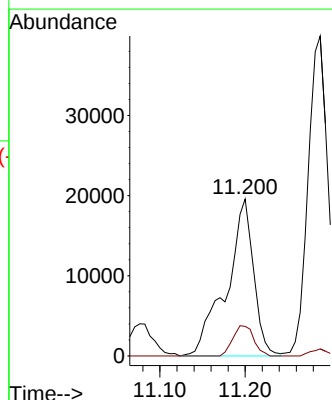
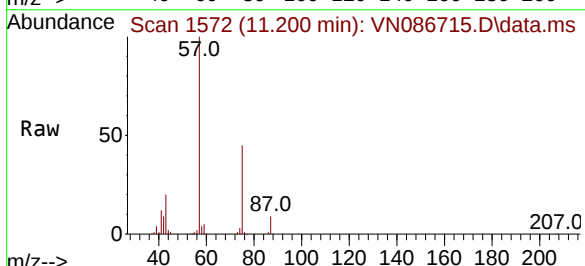
Acq: 20 May 2025 14:03

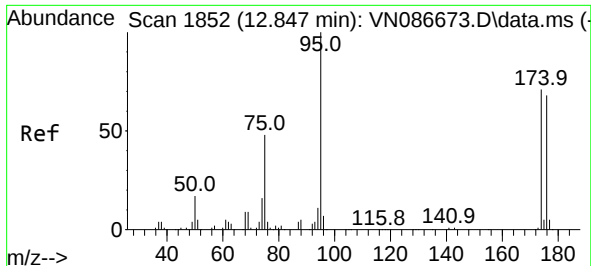
Tgt Ion: 43 Resp: 43528

Ion Ratio Lower Upper

43 100

58 14.8 29.8 89.5#

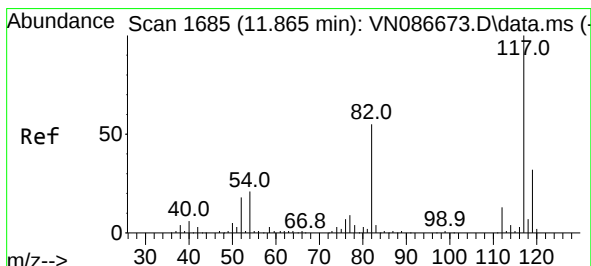
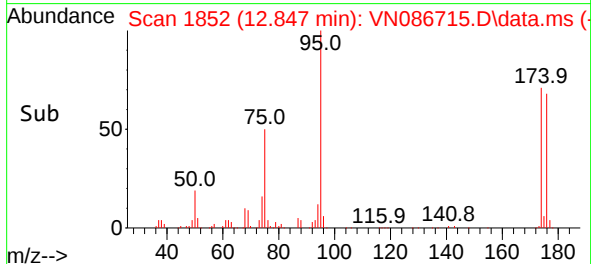
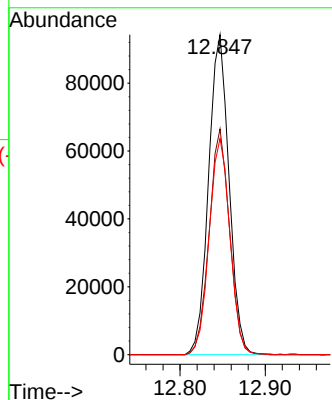
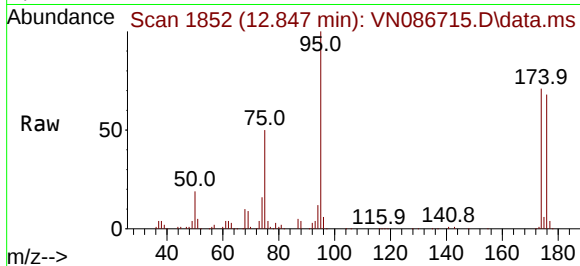




#62
4-Bromofluorobenzene
Concen: 52.037 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

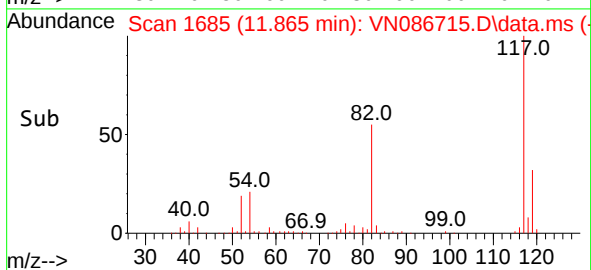
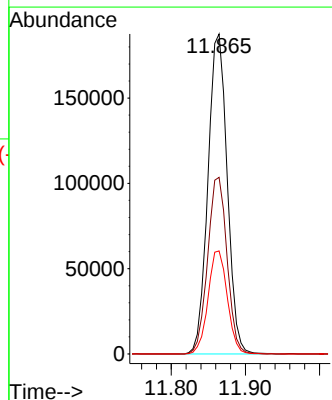
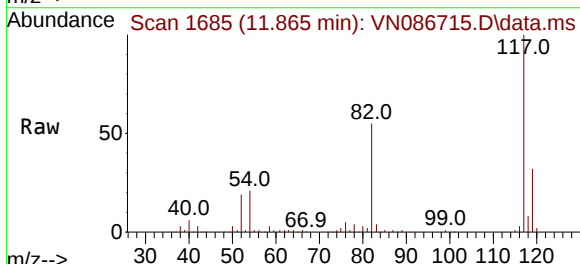
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

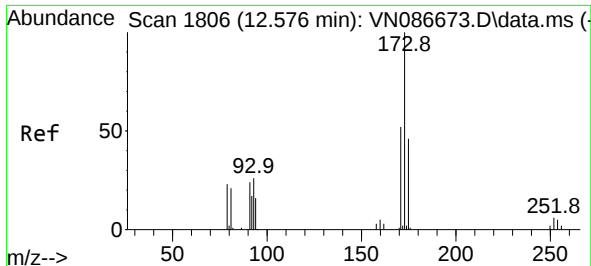
Tgt Ion: 95 Resp: 157067
Ion Ratio Lower Upper
95 100
174 70.3 0.0 145.4
176 68.5 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion: 117 Resp: 338522
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.2 25.4 38.2

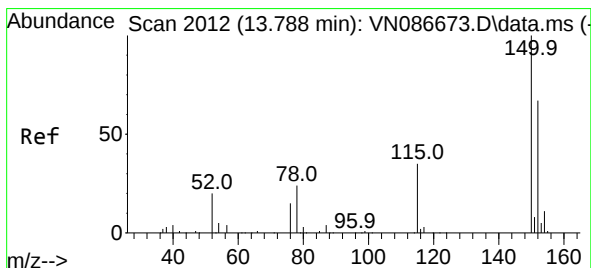
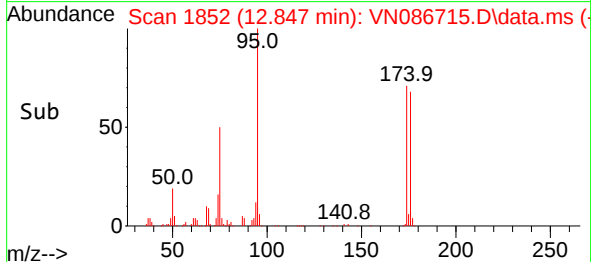
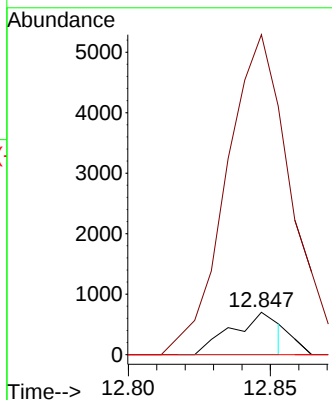
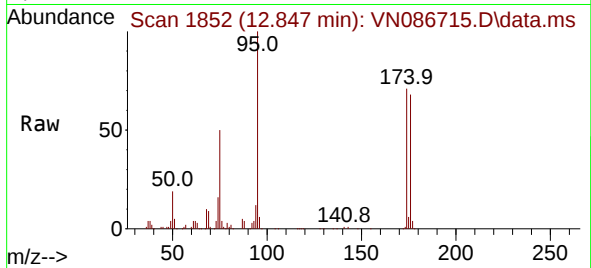




#71
Bromoform
Concen: 0.474 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

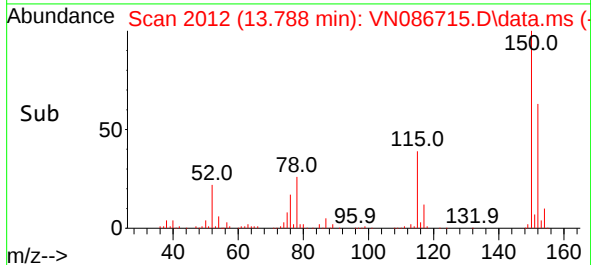
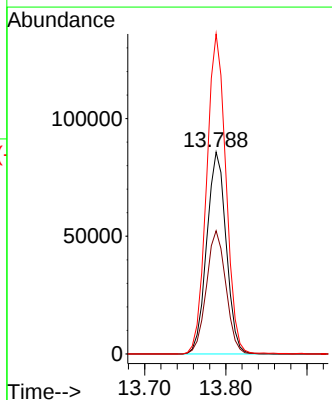
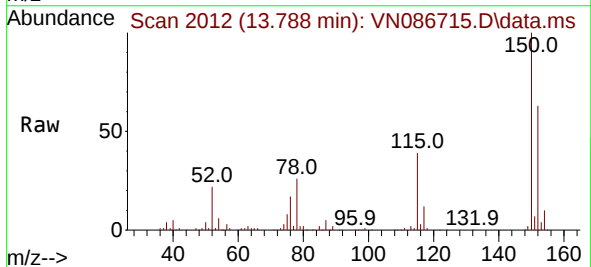
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

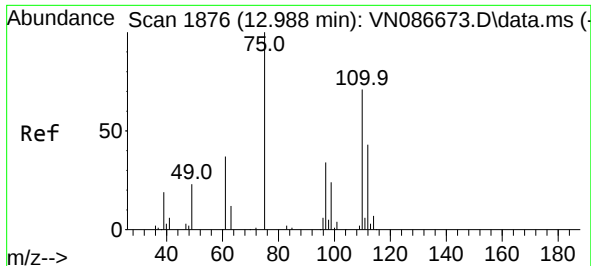
Tgt Ion:173 Resp: 808
Ion Ratio Lower Upper
173 100
175 847.9 23.4 70.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion:152 Resp: 142380
Ion Ratio Lower Upper
152 100
115 61.4 30.0 90.1
150 157.5 0.0 347.8

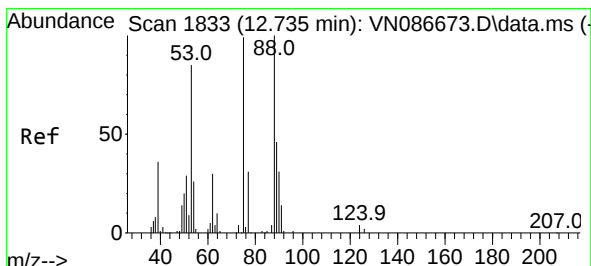
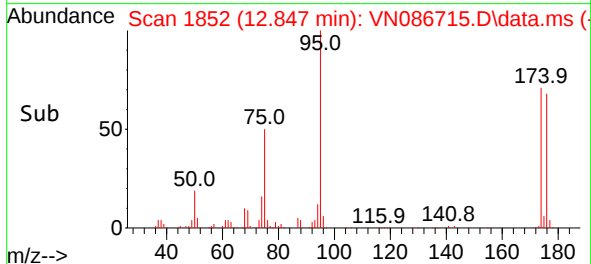
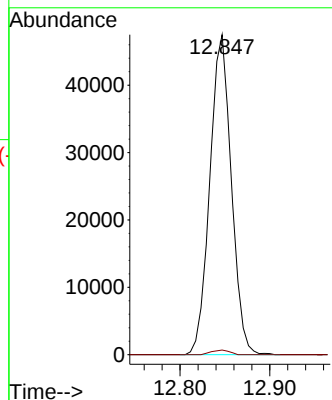
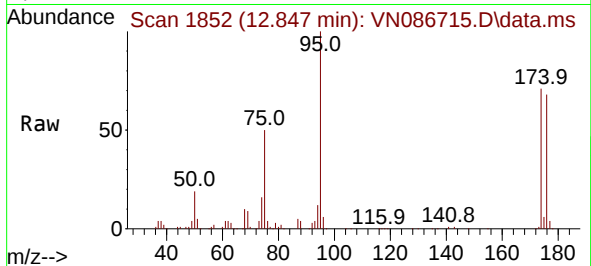




#76
1,2,3-Trichloropropane
Concen: 24.555 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
L2-WC-5

Tgt Ion: 75 Resp: 79068
Ion Ratio Lower Upper
75 100
77 1.2 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.968 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086715.D
Acq: 20 May 2025 14:03

Tgt Ion: 75 Resp: 79068
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#

