

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086717.D
 Acq On : 20 May 2025 14:51
 Operator : JC\MD
 Sample : Q2080-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-HRH-COMP-01

Quant Time: May 21 01:46:35 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)

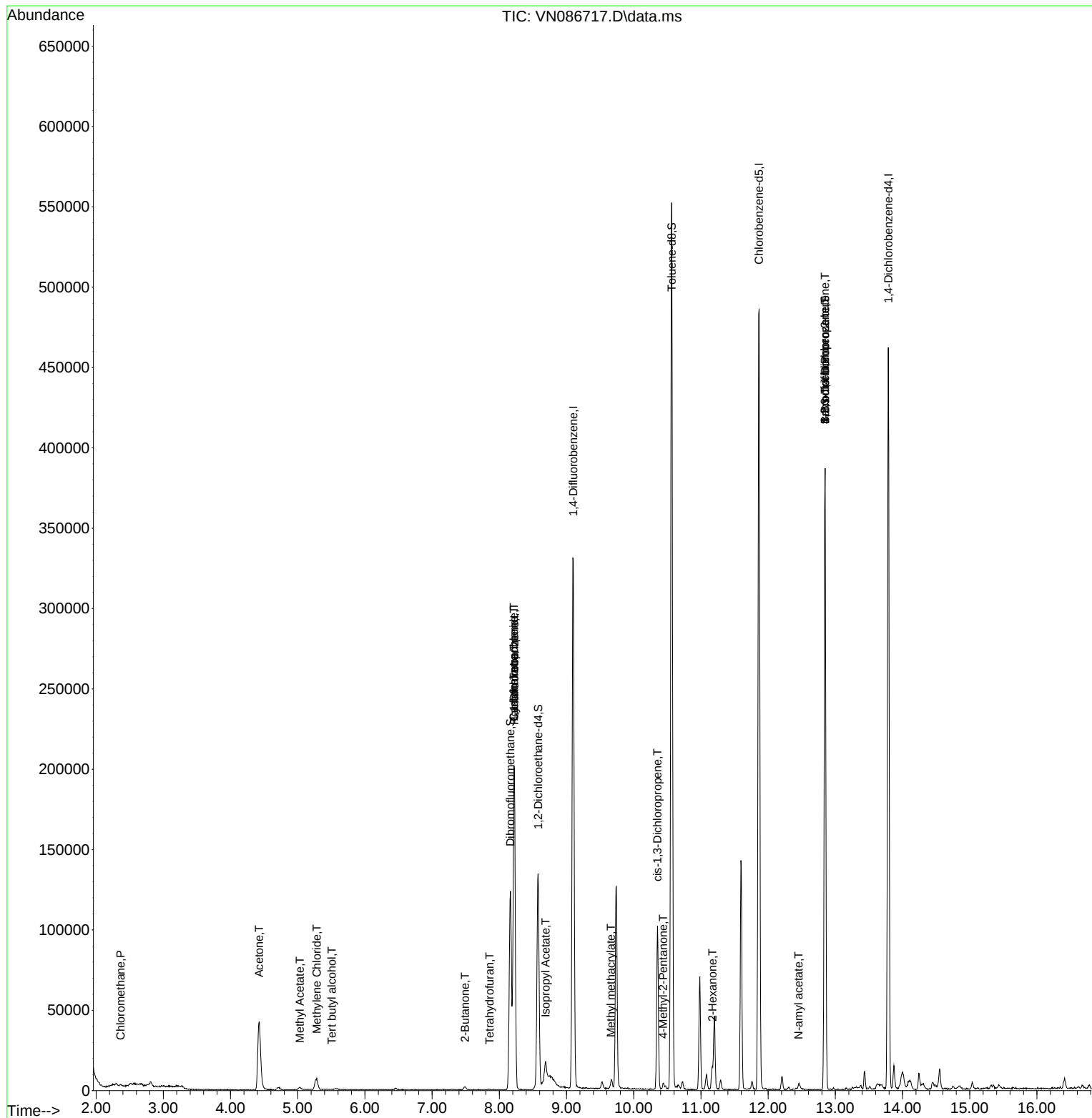
Internal Standards						
1) Pentafluorobenzene	8.224	168	150279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112086	53.976	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.960%			
35) Dibromofluoromethane	8.165	113	92931	52.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.040%			
50) Toluene-d8	10.565	98	395364	53.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.820%			
62) 4-Bromofluorobenzene	12.847	95	141615	54.181	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.360%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	694	0.283	ug/l #	80
11) Tert butyl alcohol	5.506	59	154	0.407	ug/l #	73
16) Acetone	4.424	43	82399	106.078	ug/l	94
18) Methyl Acetate	5.030	43	3367	1.549	ug/l #	71
20) Methylene Chloride	5.283	84	5671	2.767	ug/l	98
25) 2-Butanone	7.489	43	3531	2.942	ug/l	96
29) Tetrahydrofuran	7.853	42	220	0.281	ug/l #	48
31) Cyclohexane	8.218	56	3220	1.033	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	11998	4.554	ug/l #	50
38) Carbon Tetrachloride	8.218	117	15181	5.848	ug/l #	17
43) Isopropyl Acetate	8.688	43	26154	4.902	ug/l #	72
48) Methyl methacrylate	9.659	41	625	0.302	ug/l #	11
51) 4-Methyl-2-Pentanone	10.435	43	2382	0.885	ug/l	96
54) cis-1,3-Dichloropropene	10.353	75	19338	5.894	ug/l #	63
59) 2-Hexanone	11.171	43	12385	6.303	ug/l #	21
71) Bromoform	12.847	173	794	0.532	ug/l #	1
74) N-amyl acetate	12.453	43	2594	0.626	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	70294	24.214	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70294	61.109	ug/l #	15

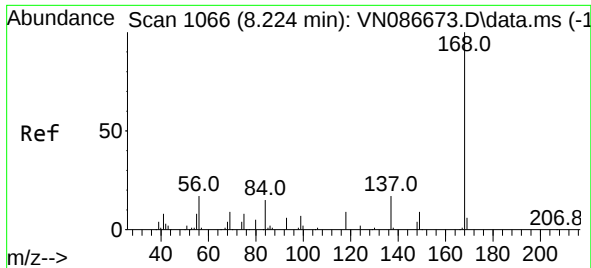
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
Data File : VN086717.D
Acq On : 20 May 2025 14:51
Operator : JC\MD
Sample : Q2080-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

Quant Time: May 21 01:46:35 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

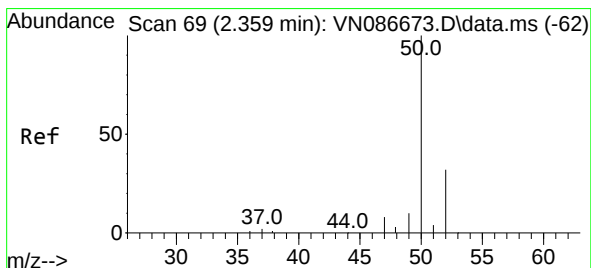
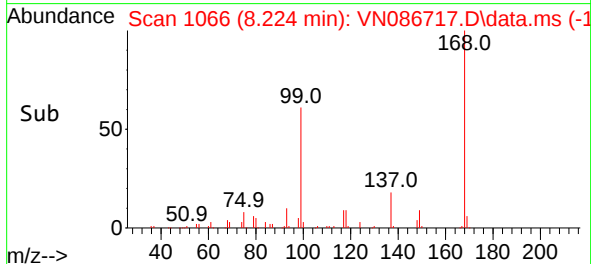
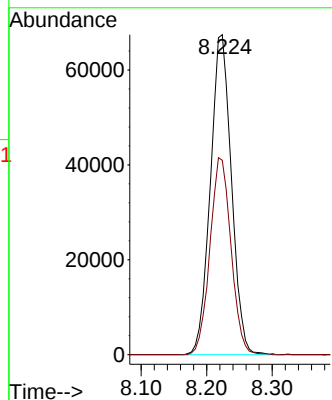
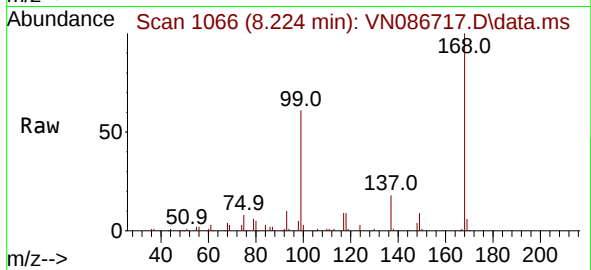




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

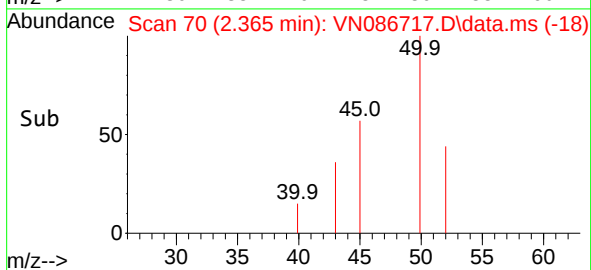
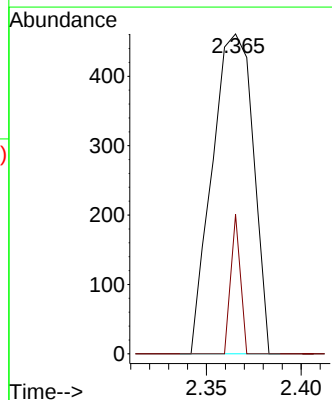
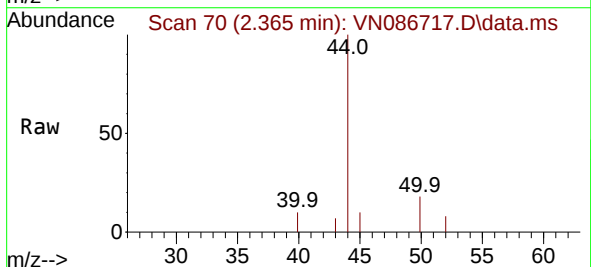
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

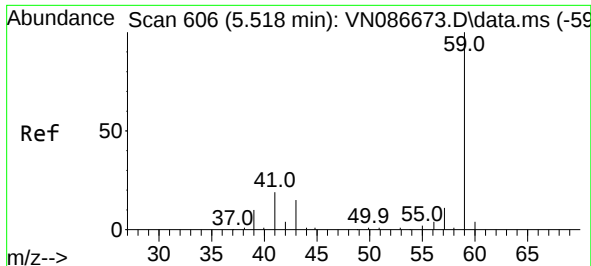
Tgt Ion:168 Resp: 150279
Ion Ratio Lower Upper
168 100
99 60.8 47.0 70.4



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion: 50 Resp: 694
Ion Ratio Lower Upper
50 100
52 43.6 25.9 38.9#

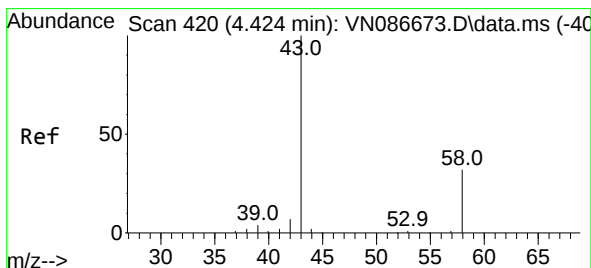
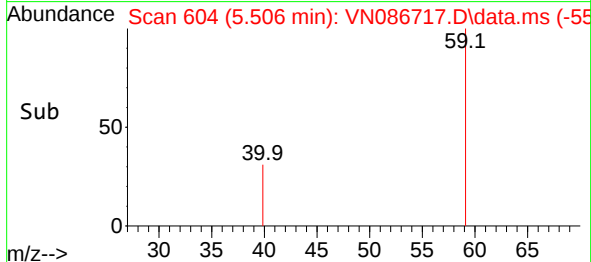
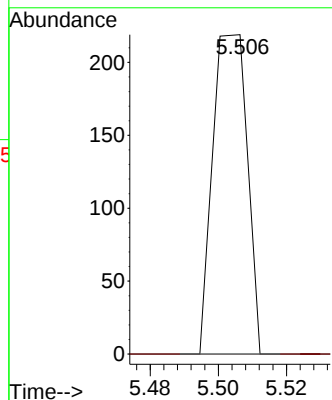
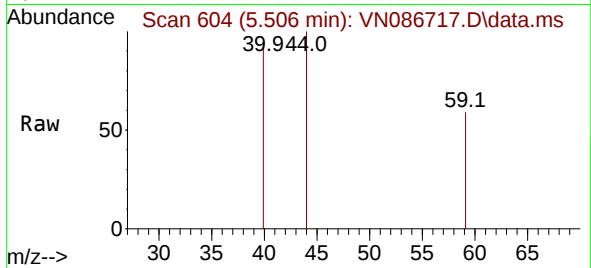




#11
Tert butyl alcohol
Concen: 0.407 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

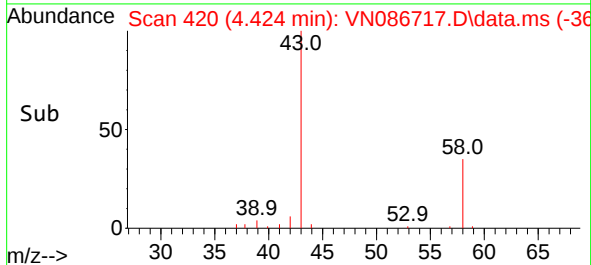
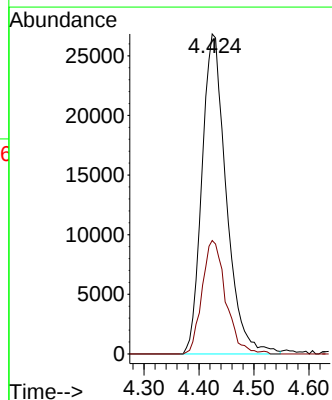
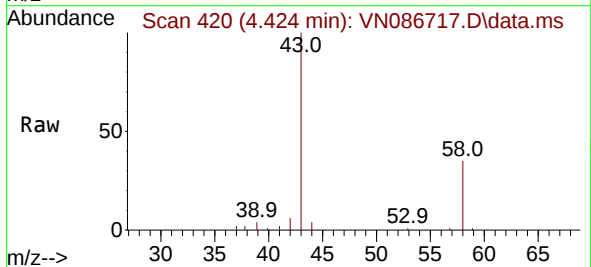
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

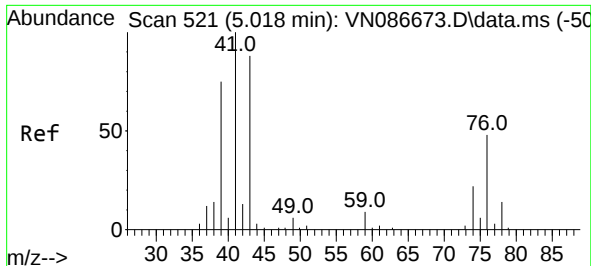
Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 106.078 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion: 43 Resp: 82399
Ion Ratio Lower Upper
43 100
58 35.5 25.8 38.6

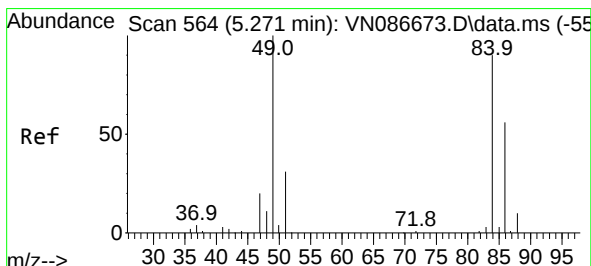
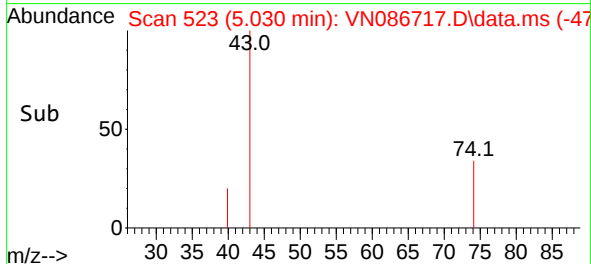
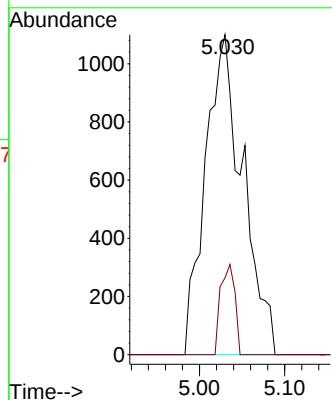
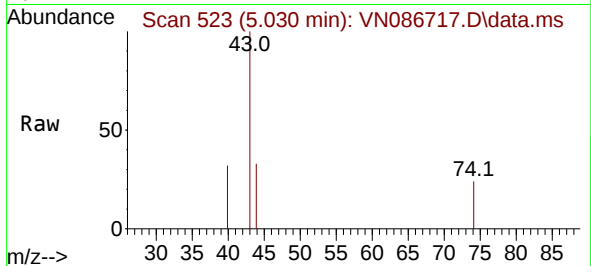




#18
Methyl Acetate
Concen: 1.549 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

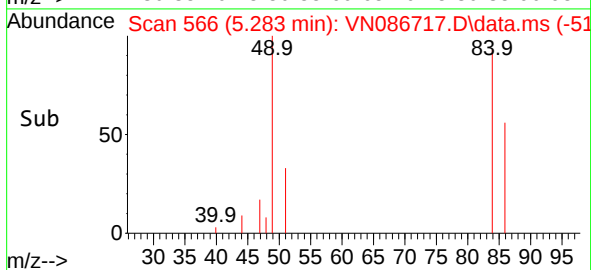
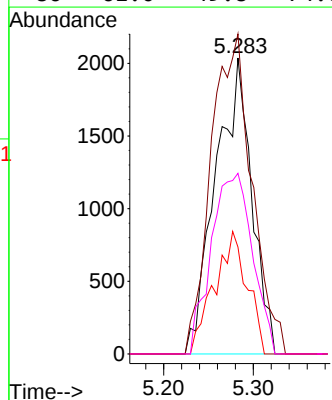
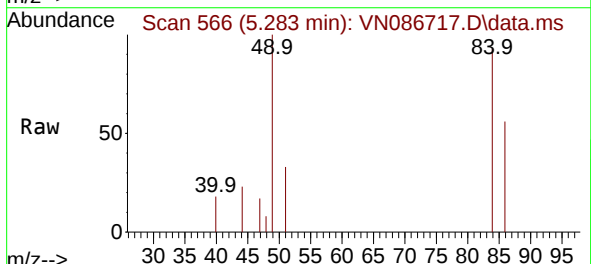
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

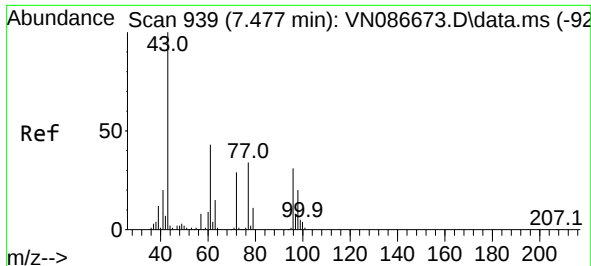
Tgt Ion: 43 Resp: 3367
Ion Ratio Lower Upper
43 100
74 10.7 20.5 30.7#



#20
Methylene Chloride
Concen: 2.767 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion: 84 Resp: 5671
Ion Ratio Lower Upper
84 100
49 108.1 88.8 133.2
51 36.1 27.8 41.6
86 61.0 49.8 74.6





#25

2-Butanone

Concen: 2.942 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN086717.D

Acq: 20 May 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

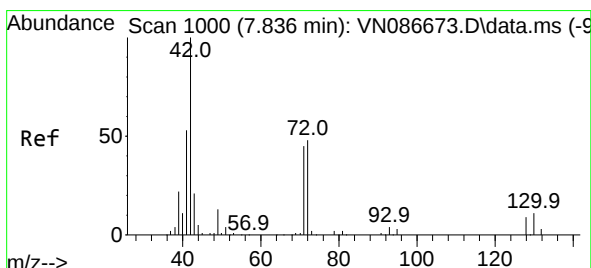
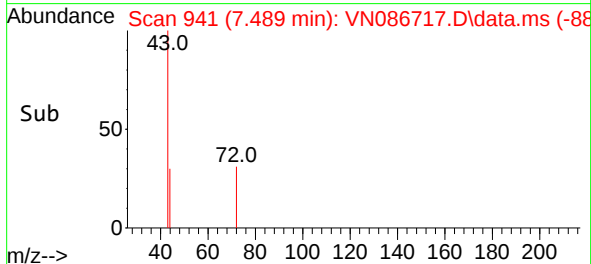
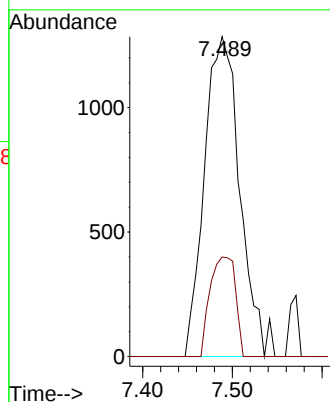
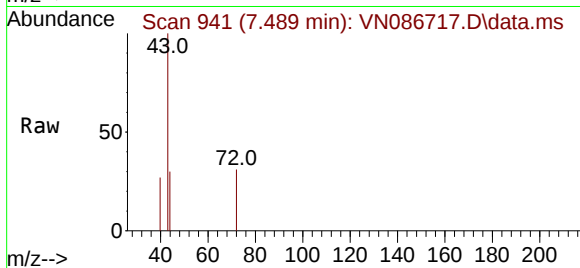
PL-HRH-COMP-01

Tgt Ion: 43 Resp: 3531

Ion Ratio Lower Upper

43 100

72 31.1 23.1 34.7



#29

Tetrahydrofuran

Concen: 0.281 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN086717.D

Acq: 20 May 2025 14:51

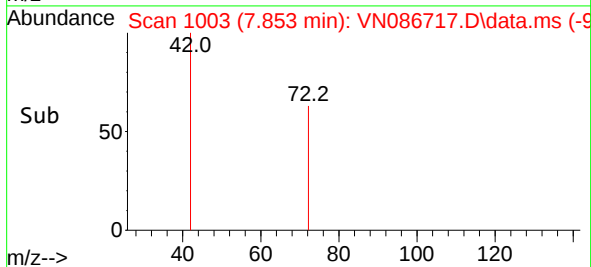
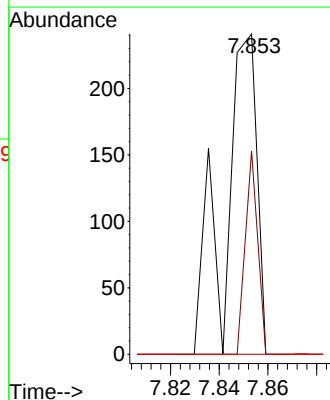
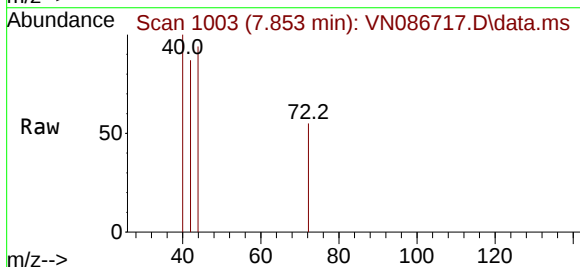
Tgt Ion: 42 Resp: 220

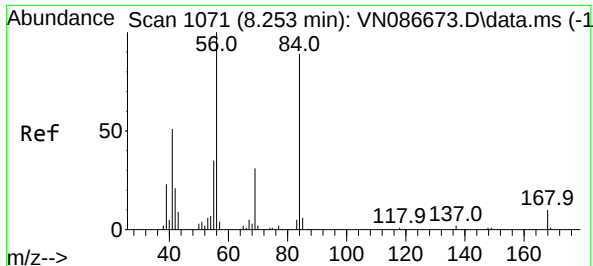
Ion Ratio Lower Upper

42 100

72 24.5 38.7 58.1#

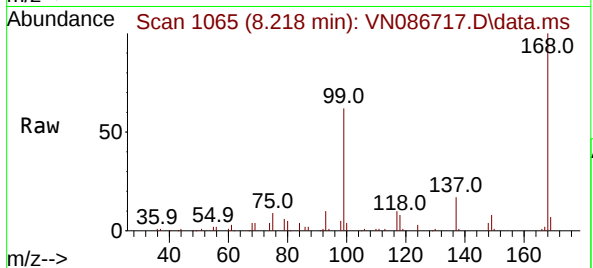
71 0.0 36.2 54.4#



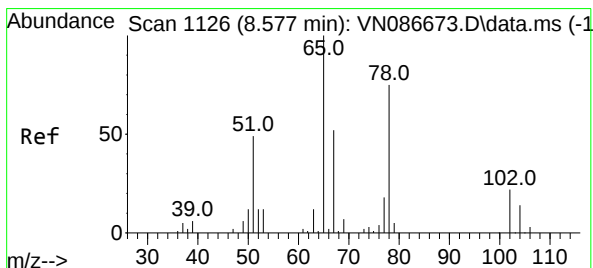
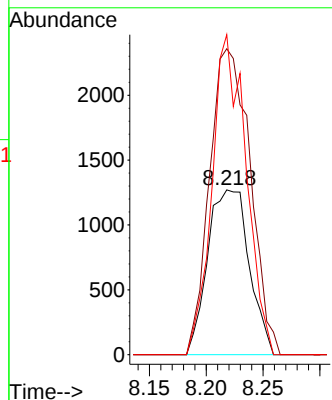
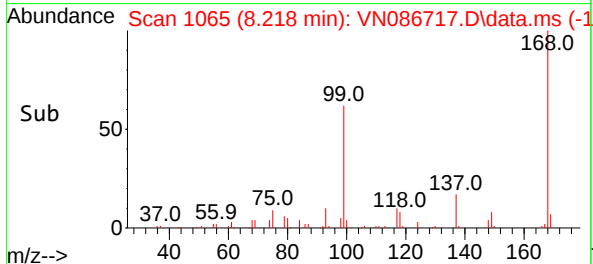


#31
Cyclohexane
Concen: 1.033 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

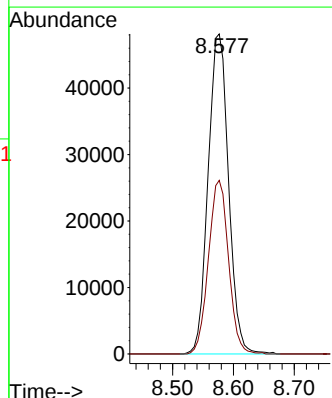
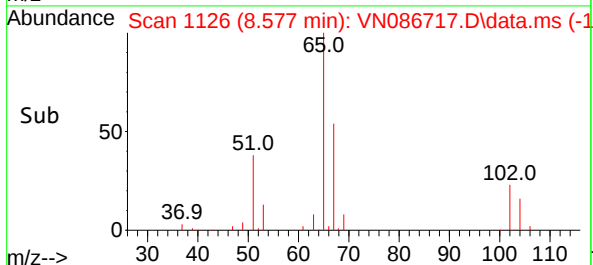
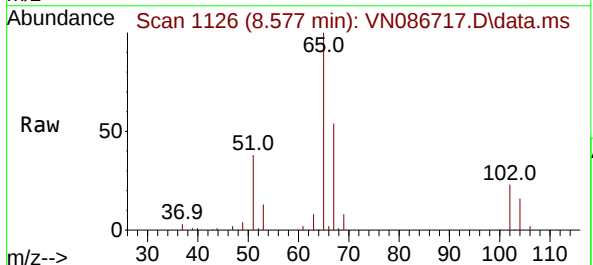


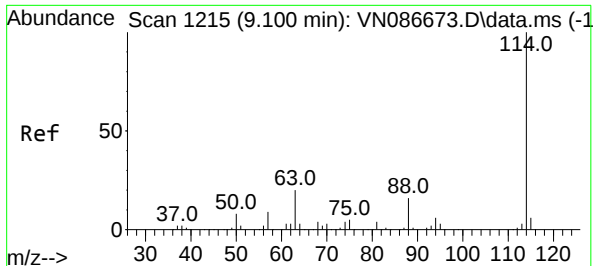
Tgt Ion: 56 Resp: 3220
Ion Ratio Lower Upper
56 100
69 185.7 25.0 37.6#
84 194.3 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 53.976 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion: 65 Resp: 112086
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.4

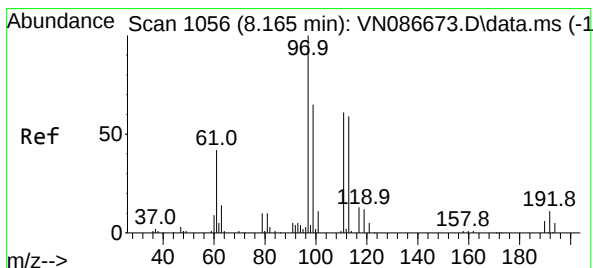
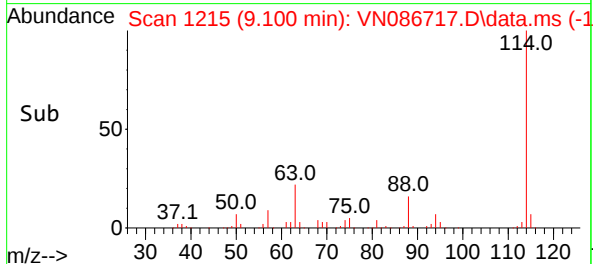
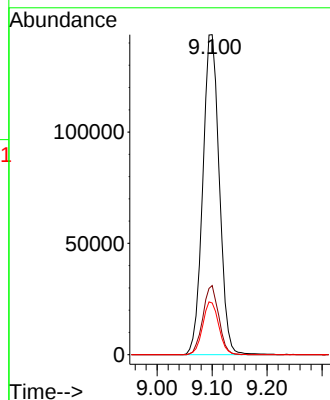
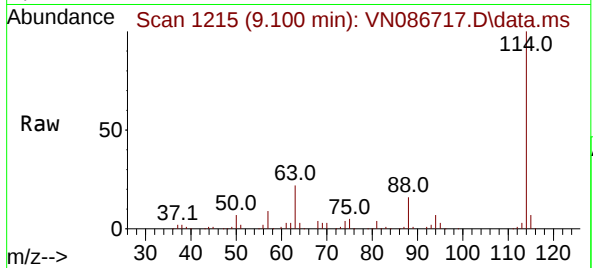




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

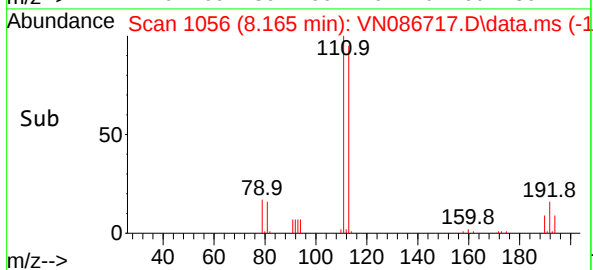
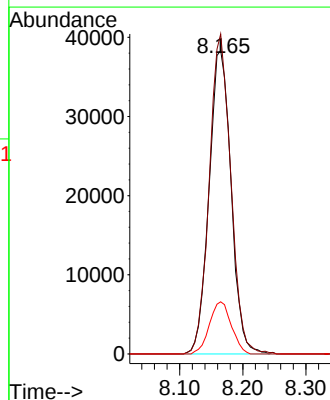
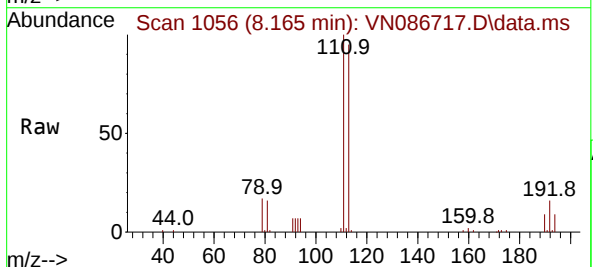
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

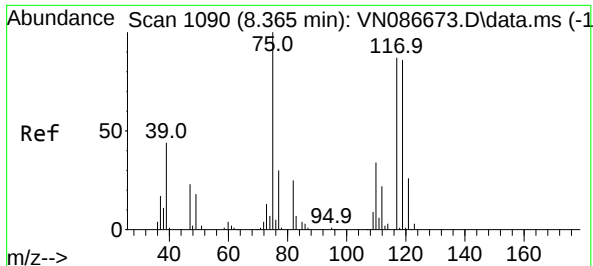
Tgt Ion:114 Resp: 299941
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.2
88 16.2 0.0 31.2



#35
Dibromofluoromethane
Concen: 52.025 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion:113 Resp: 92931
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 17.1 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.554 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086717.D

Acq: 20 May 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

PL-HRH-COMP-01

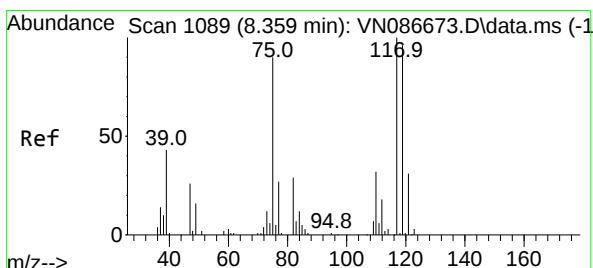
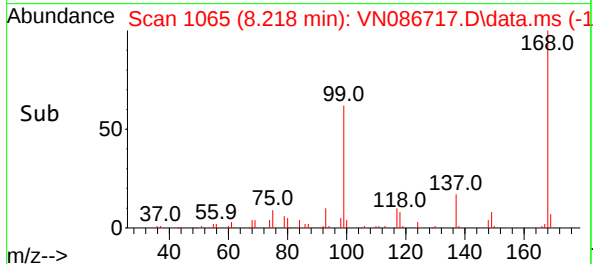
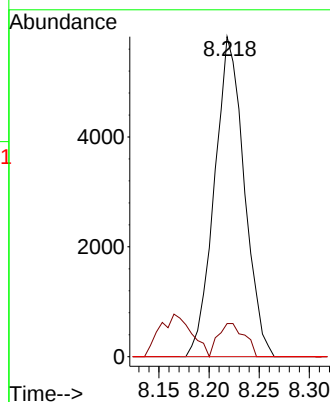
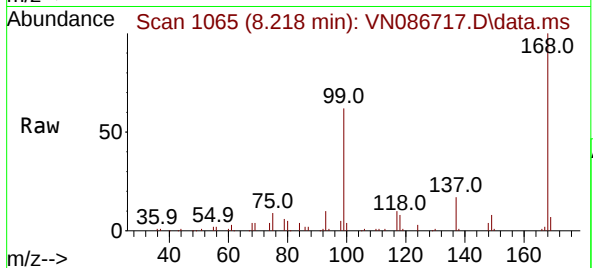
Tgt Ion: 75 Resp: 11998

Ion Ratio Lower Upper

75 100

110 9.1 17.5 52.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086717.D

Acq: 20 May 2025 14:51

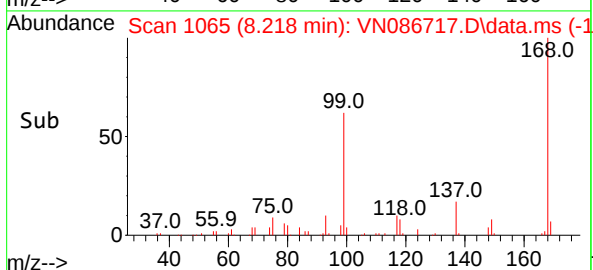
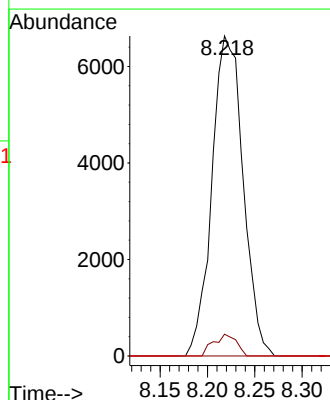
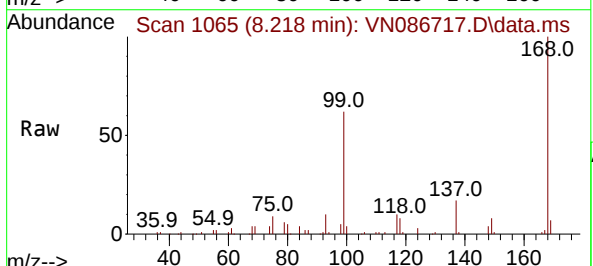
Tgt Ion: 117 Resp: 15181

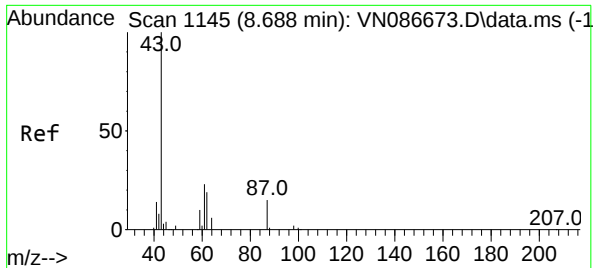
Ion Ratio Lower Upper

117 100

119 6.8 77.0 115.6#

121 0.0 25.0 37.6#

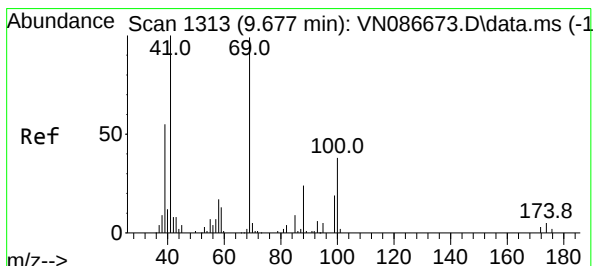
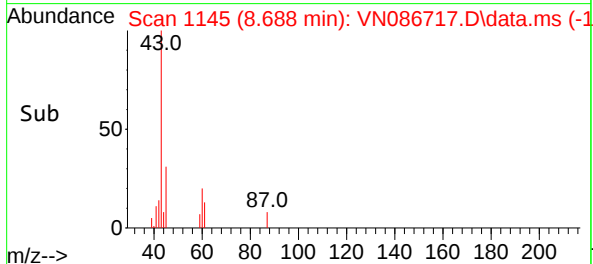
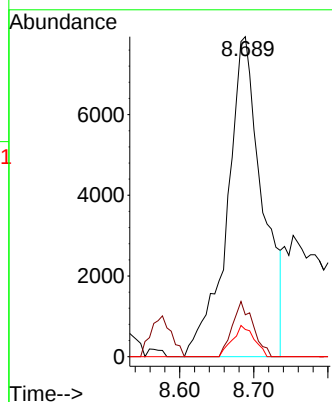
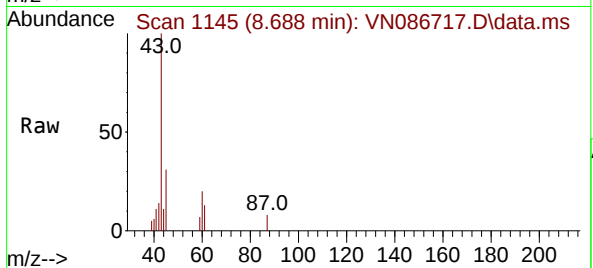




#43
Isopropyl Acetate
Concen: 4.902 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

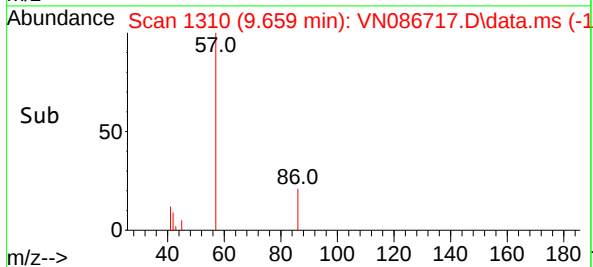
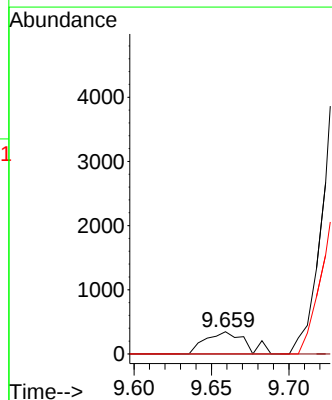
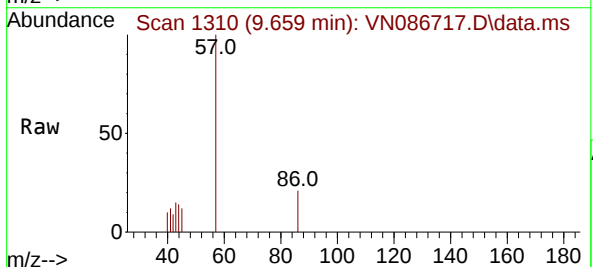
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

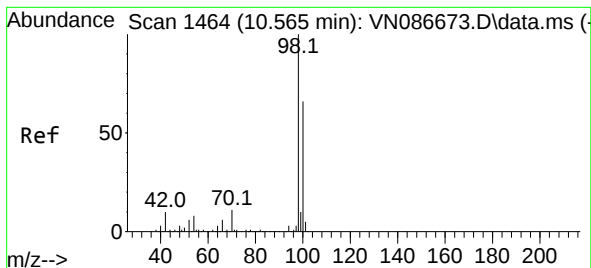
Tgt Ion: 43 Resp: 26154
Ion Ratio Lower Upper
43 100
61 10.2 21.4 32.2#
87 6.0 11.1 16.7#



#48
Methyl methacrylate
Concen: 0.302 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion: 41 Resp: 625
Ion Ratio Lower Upper
41 100
69 0.0 74.1 111.1#
39 0.0 44.1 66.1#

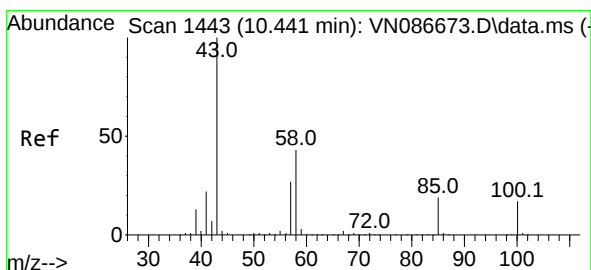
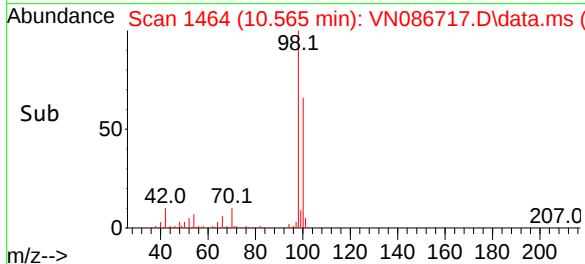
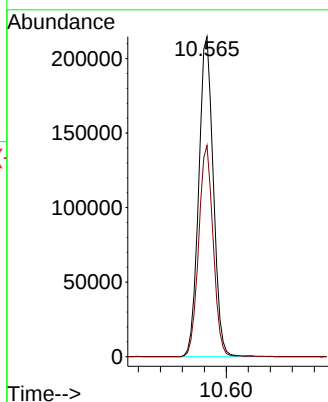
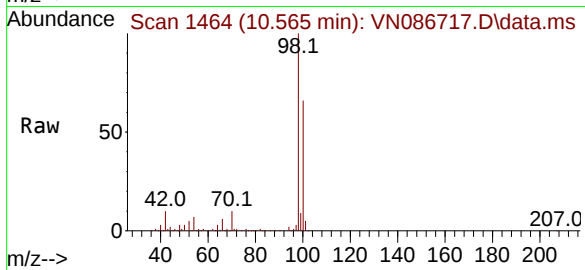




#50
Toluene-d8
Concen: 53.410 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

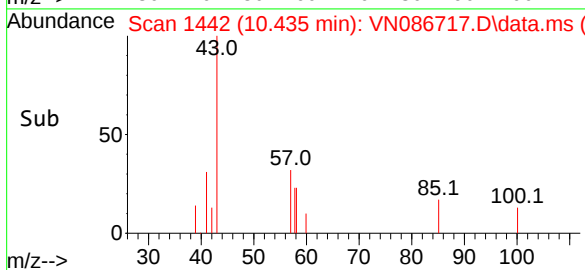
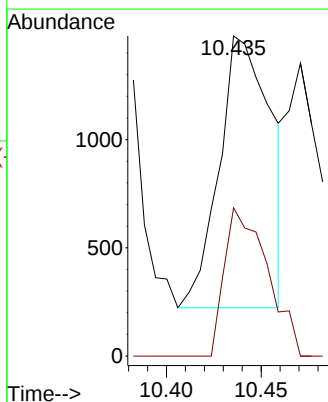
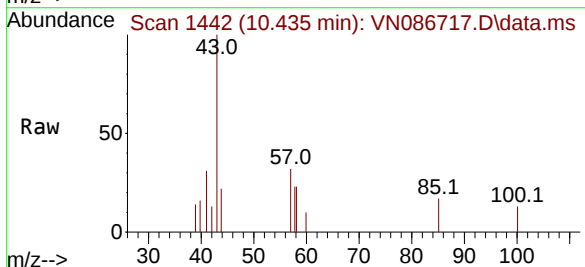
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

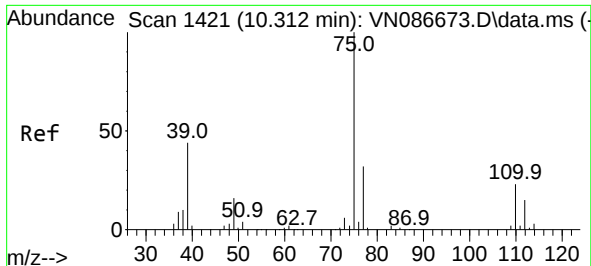
Tgt Ion: 98 Resp: 395364
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.885 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion: 43 Resp: 2382
Ion Ratio Lower Upper
43 100
58 45.2 33.9 50.9

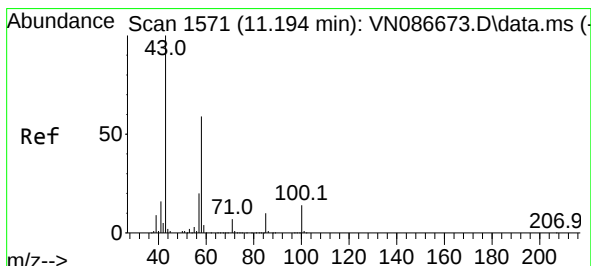
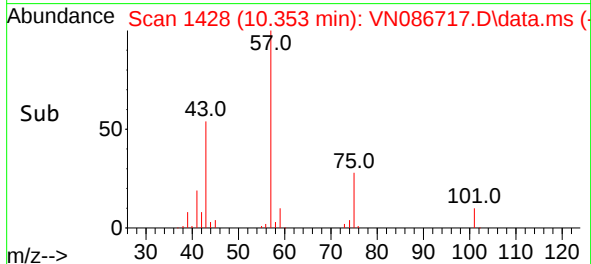
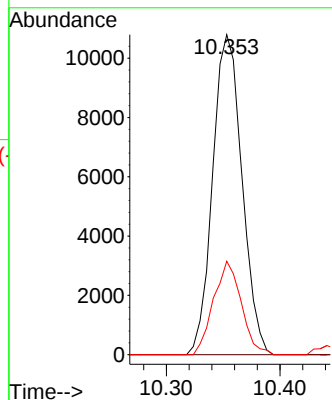
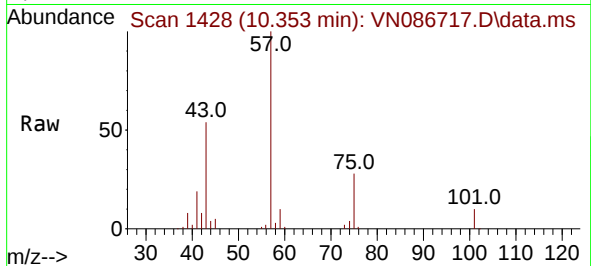




#54
cis-1,3-Dichloropropene
Concen: 5.894 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

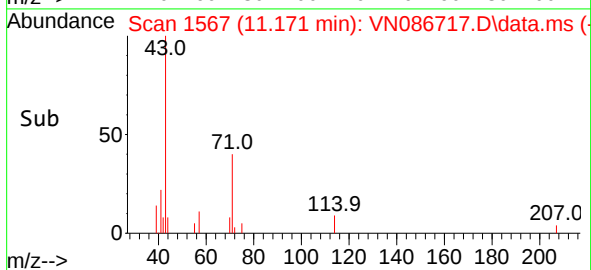
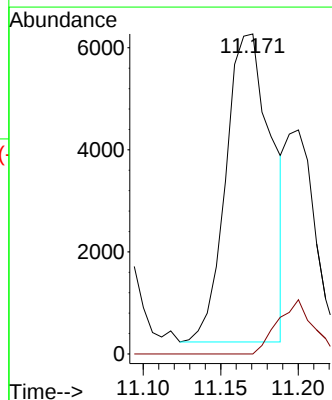
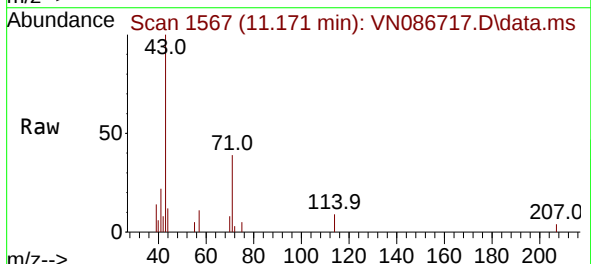
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

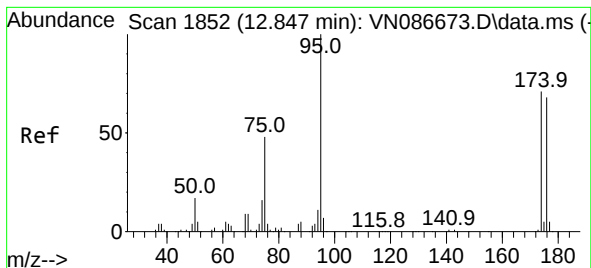
Tgt Ion: 75 Resp: 19338
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 29.2 35.2 52.8#



#59
2-Hexanone
Concen: 6.303 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion: 43 Resp: 12385
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#

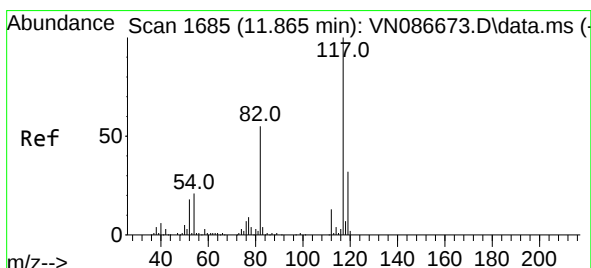
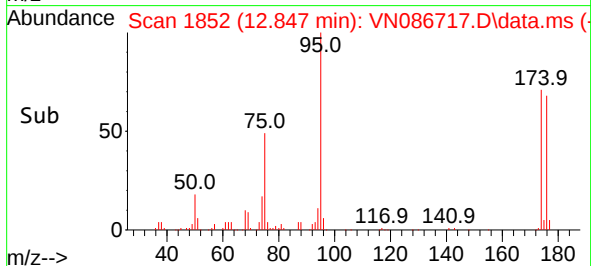
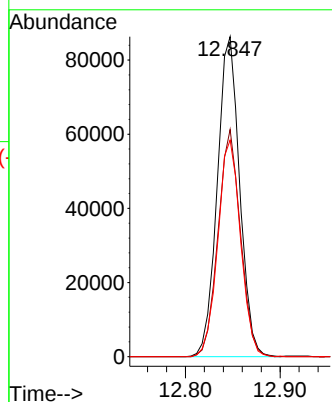
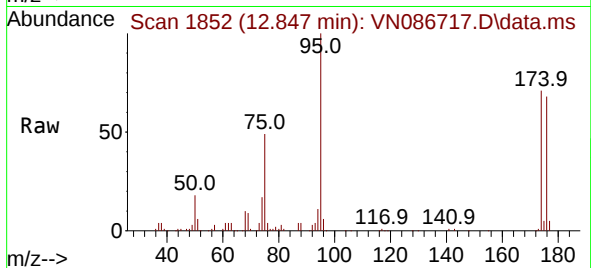




#62
4-Bromofluorobenzene
Concen: 54.181 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

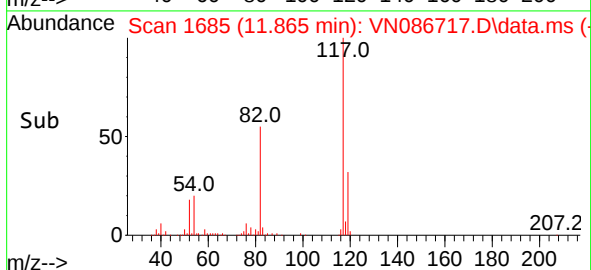
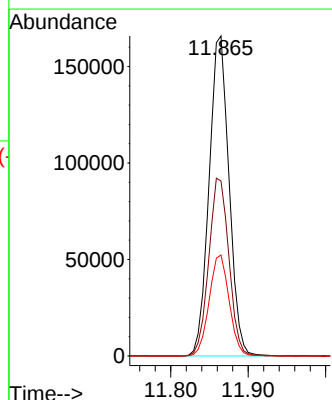
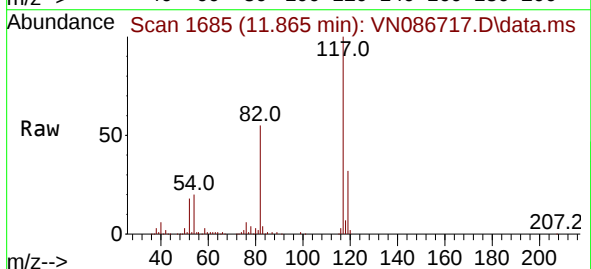
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

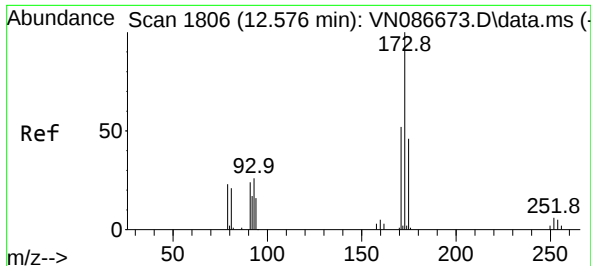
Tgt Ion: 95 Resp: 141615
Ion Ratio Lower Upper
95 100
174 71.0 0.0 145.4
176 68.7 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion: 117 Resp: 296717
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.5 25.4 38.2

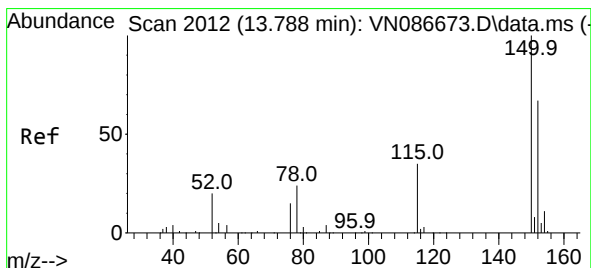
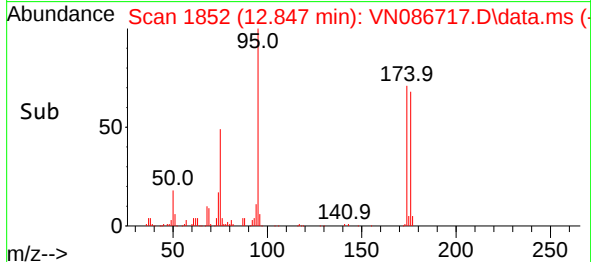
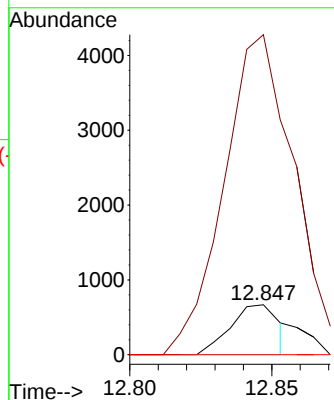
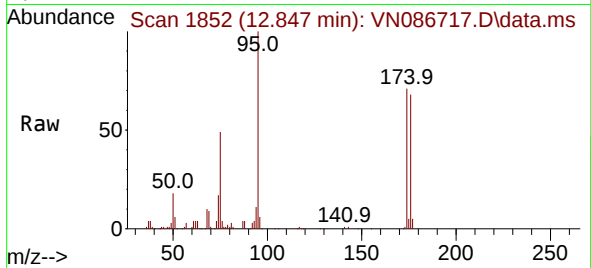




#71
Bromoform
Concen: 0.532 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

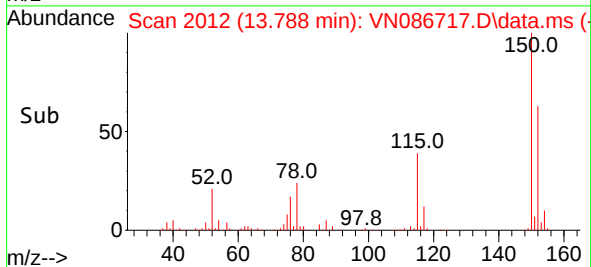
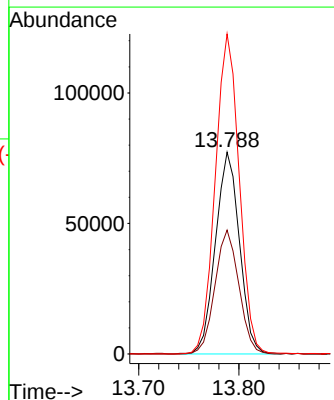
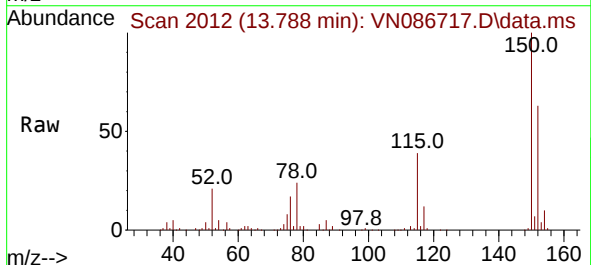
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

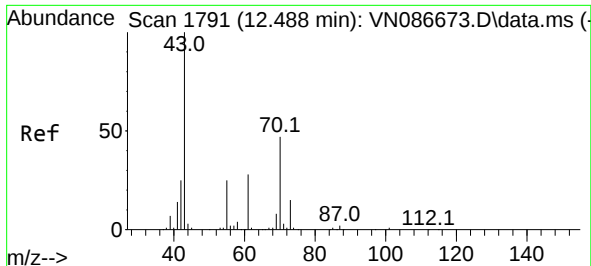
Tgt Ion:173 Resp: 794
Ion Ratio Lower Upper
173 100
175 742.4 23.4 70.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

Tgt Ion:152 Resp: 128360
Ion Ratio Lower Upper
152 100
115 61.3 30.0 90.1
150 158.4 0.0 347.8

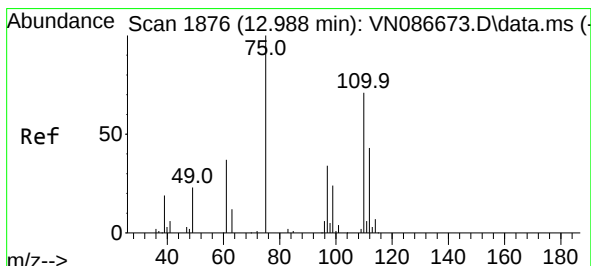
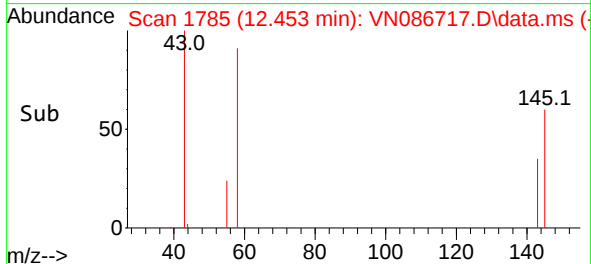
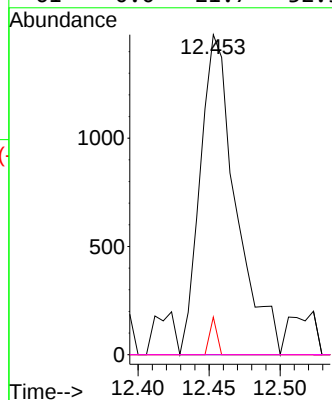
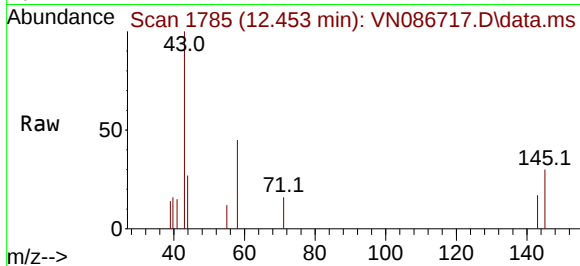




#74
N-amy1 acetate
Concen: 0.626 ug/l
RT: 12.453 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

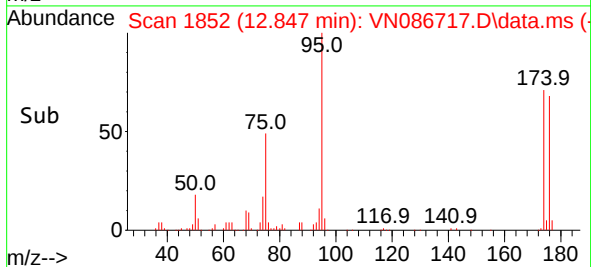
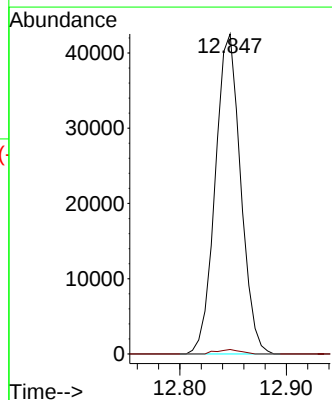
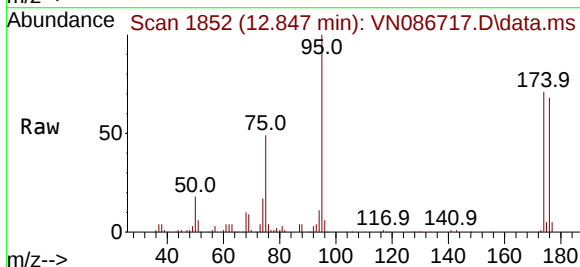
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-01

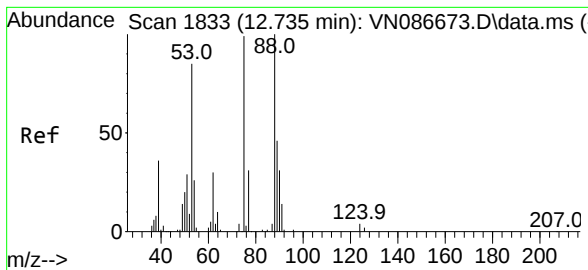
Tgt Ion: 43	Resp: 2594
Ion Ratio	Lower Upper
43 100	
70 0.0	37.9 56.9#
55 2.4	20.5 30.7#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 24.214 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086717.D
Acq: 20 May 2025 14:51

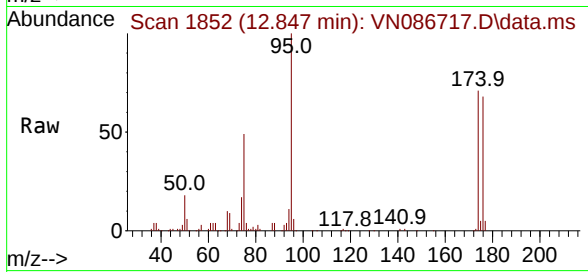
Tgt Ion: 75	Resp: 70294
Ion Ratio	Lower Upper
75 100	
77 1.3	96.0 288.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.109 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086717.D
 Acq: 20 May 2025 14:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-HRH-COMP-01



Tgt Ion: 75 Resp: 70294
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 32.4 48.6#

