

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086718.D
 Acq On : 20 May 2025 15:15
 Operator : JC\MD
 Sample : Q2080-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-HRH-COMP-02

Quant Time: May 21 01:46:59 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)

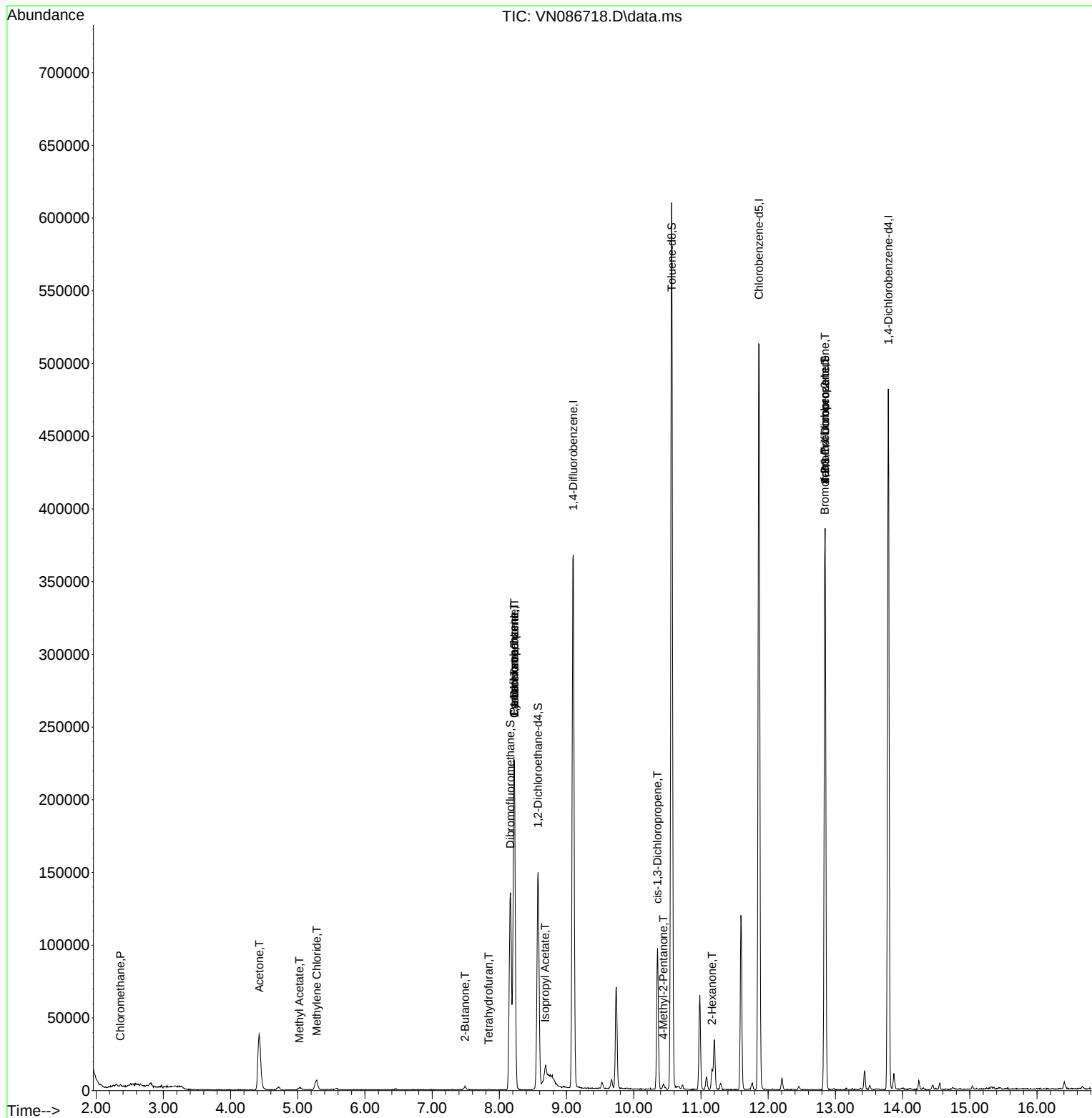
Internal Standards						
1) Pentafluorobenzene	8.218	168	168883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123879	53.084	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.160%			
35) Dibromofluoromethane	8.165	113	103216	51.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.560%			
50) Toluene-d8	10.565	98	428611	51.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.847	95	147344	50.516	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.040%			
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	782	0.283	ug/l #	42
16) Acetone	4.430	43	75110	86.042	ug/l	98
18) Methyl Acetate	5.024	43	3552	1.454	ug/l #	86
20) Methylene Chloride	5.283	84	5381	2.336	ug/l #	83
25) 2-Butanone	7.488	43	3931	2.914	ug/l	97
29) Tetrahydrofuran	7.841	42	402	0.457	ug/l #	30
31) Cyclohexane	8.224	56	3756	1.072	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14174	4.821	ug/l #	48
38) Carbon Tetrachloride	8.224	117	17462	6.028	ug/l #	16
43) Isopropyl Acetate	8.683	43	23852	4.006	ug/l #	69
51) 4-Methyl-2-Pentanone	10.441	43	3979	1.325	ug/l #	64
54) cis-1,3-Dichloropropene	10.353	75	18266	4.989	ug/l #	59
59) 2-Hexanone	11.165	43	17853	8.142	ug/l #	21
71) Bromoform	12.841	173	479	0.302	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73663	24.159	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73663	60.969	ug/l #	15

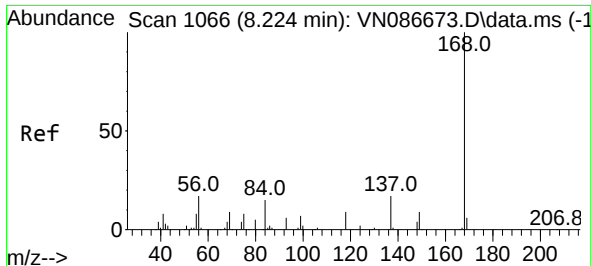
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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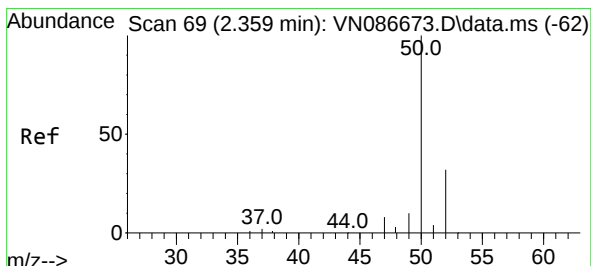
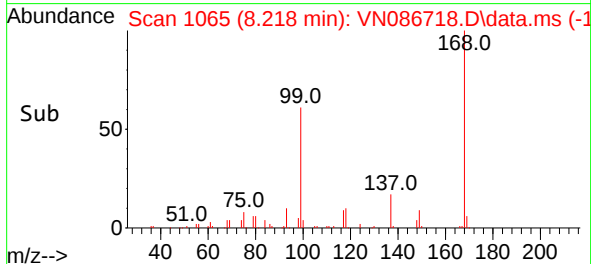
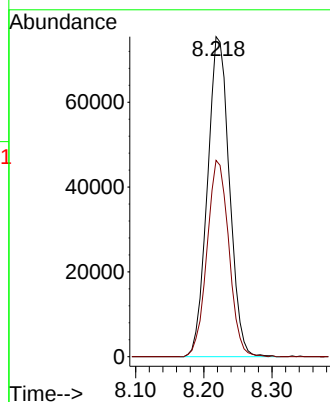
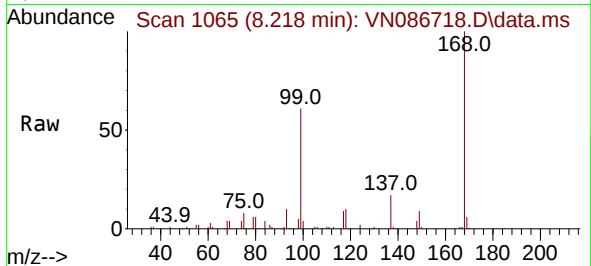




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

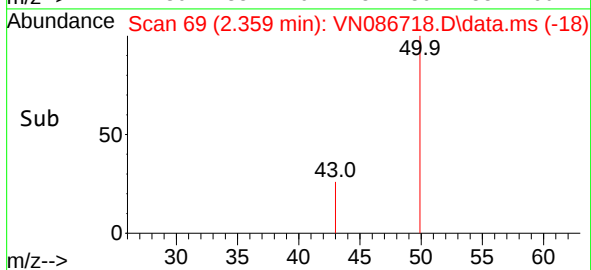
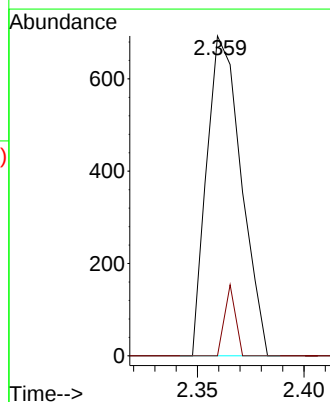
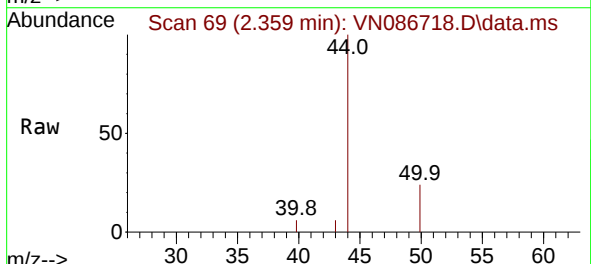
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-02

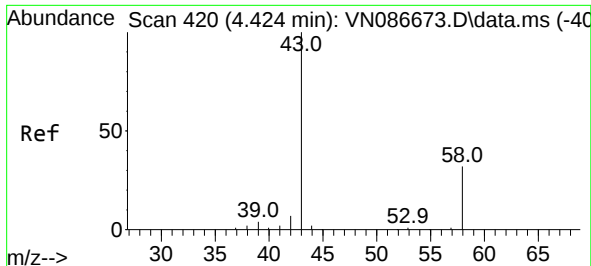
Tgt Ion:168 Resp: 168883
Ion Ratio Lower Upper
168 100
99 61.3 47.0 70.4



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

Tgt Ion: 50 Resp: 782
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

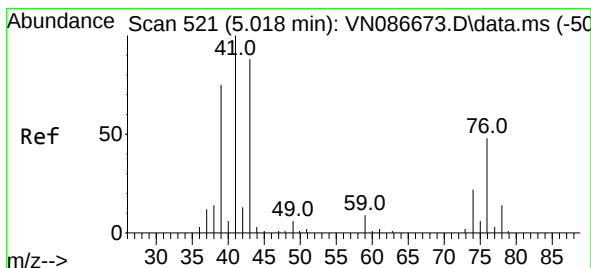
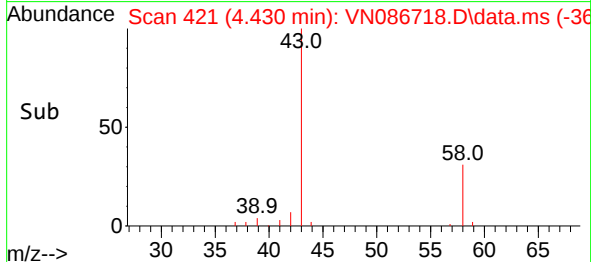
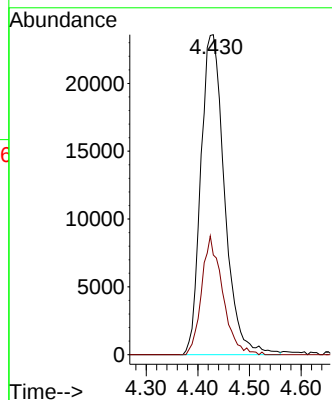
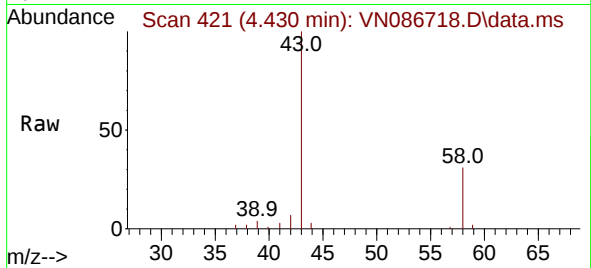




#16
Acetone
Concen: 86.042 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

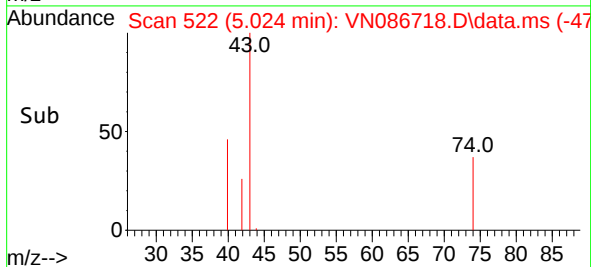
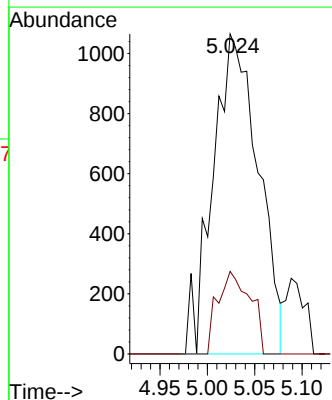
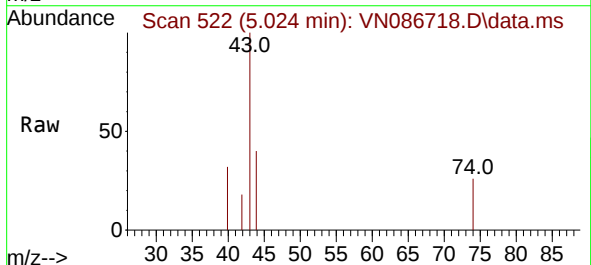
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-02

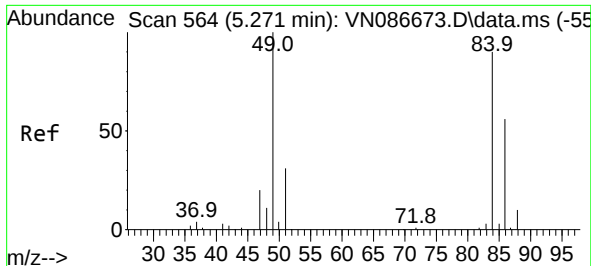
Tgt Ion: 43 Resp: 75110
Ion Ratio Lower Upper
43 100
58 31.1 25.8 38.6



#18
Methyl Acetate
Concen: 1.454 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

Tgt Ion: 43 Resp: 3552
Ion Ratio Lower Upper
43 100
74 18.6 20.5 30.7#

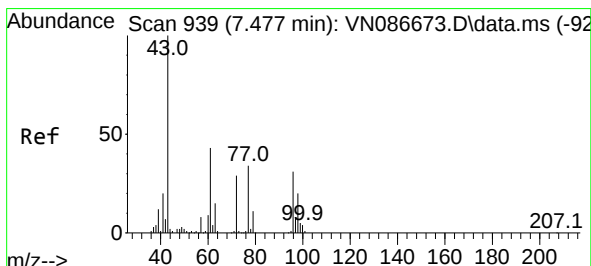
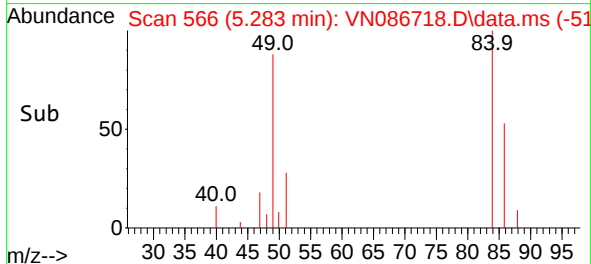
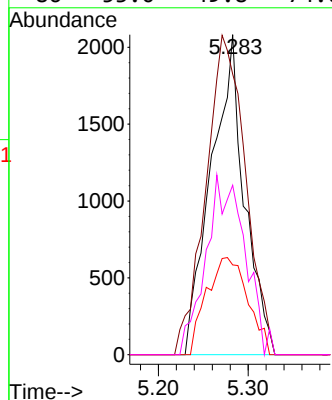
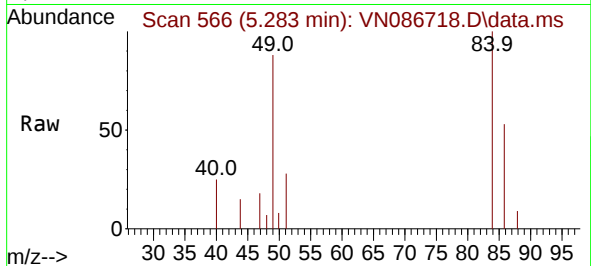




#20
Methylene Chloride
Concen: 2.336 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

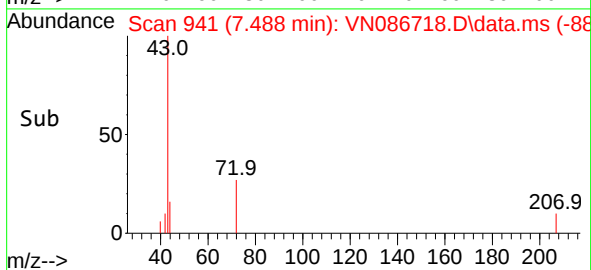
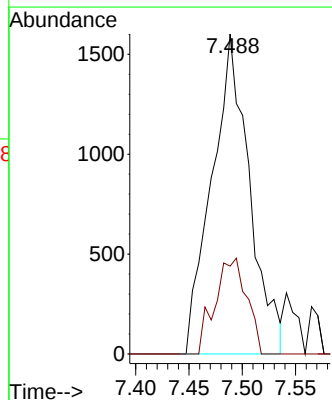
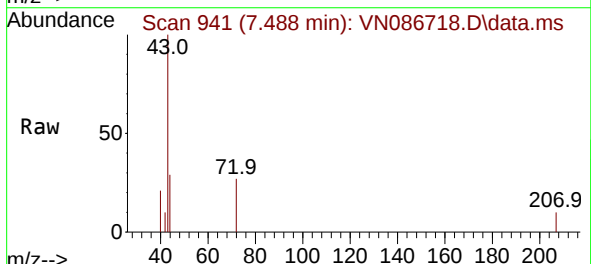
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-02

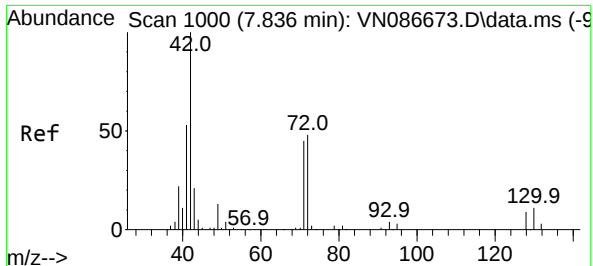
Tgt Ion: 84	Resp: 5381
Ion Ratio	Lower Upper
84 100	
49 87.7	88.8 133.2#
51 28.0	27.8 41.6
86 53.0	49.8 74.6



#25
2-Butanone
Concen: 2.914 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

Tgt Ion: 43	Resp: 3931
Ion Ratio	Lower Upper
43 100	
72 27.5	23.1 34.7





#29

Tetrahydrofuran

Concen: 0.457 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

PL-HRH-COMP-02

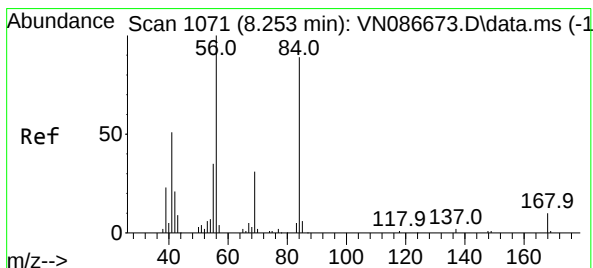
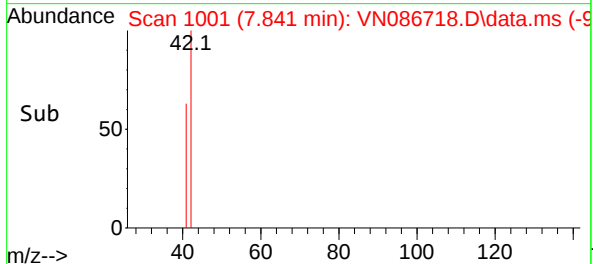
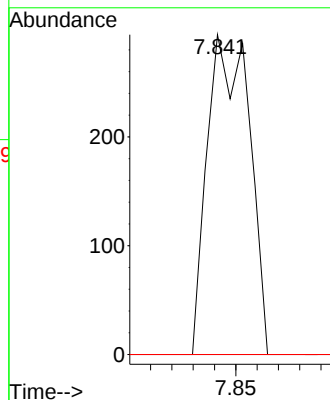
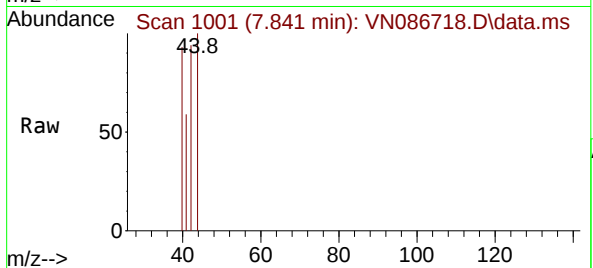
Tgt Ion: 42 Resp: 402

Ion Ratio Lower Upper

42 100

72 0.0 38.7 58.1#

71 0.0 36.2 54.4#



#31

Cyclohexane

Concen: 1.072 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

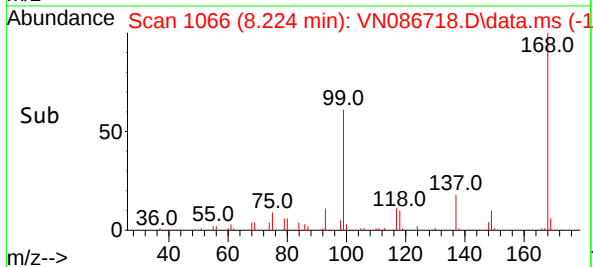
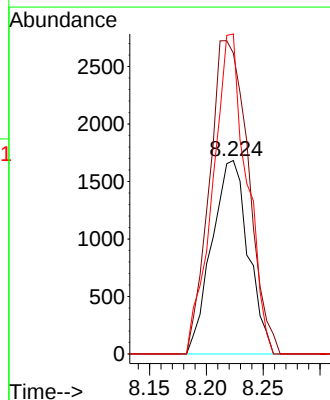
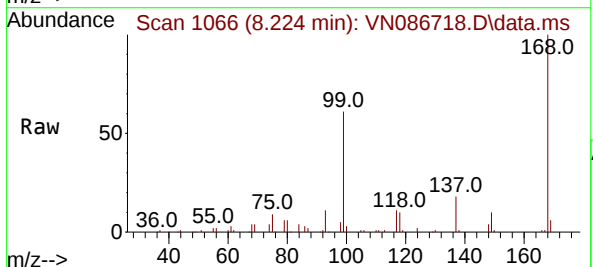
Tgt Ion: 56 Resp: 3756

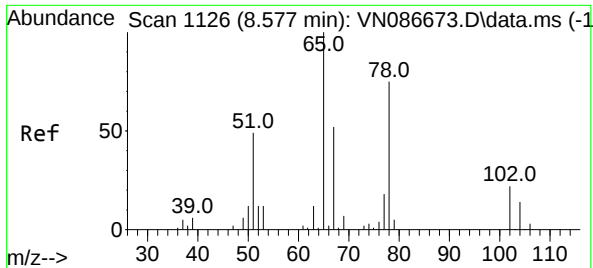
Ion Ratio Lower Upper

56 100

69 155.4 25.0 37.6#

84 165.4 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 53.084 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

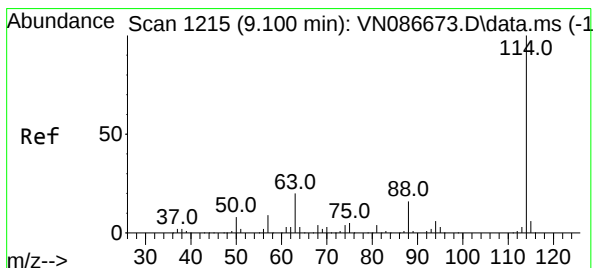
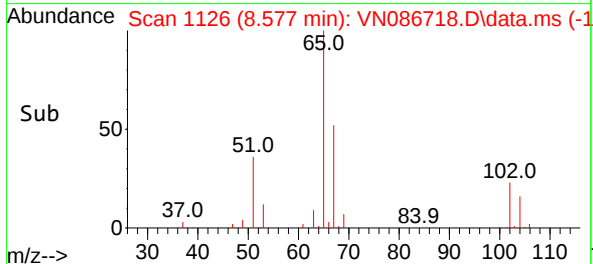
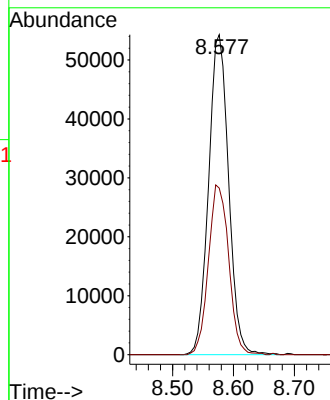
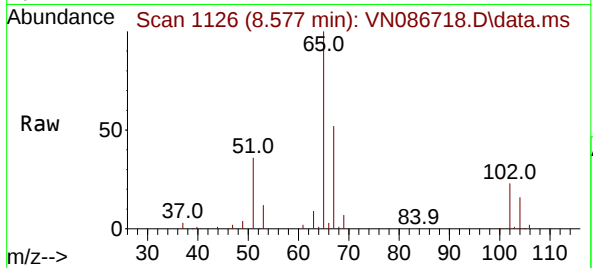
PL-HRH-COMP-02

Tgt Ion: 65 Resp: 123879

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

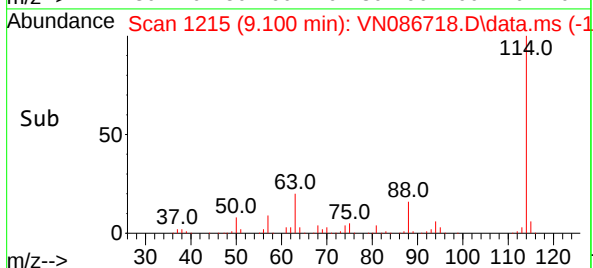
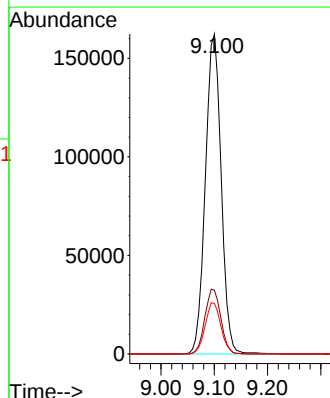
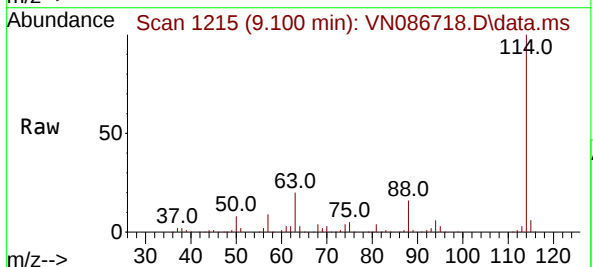
Tgt Ion: 114 Resp: 334715

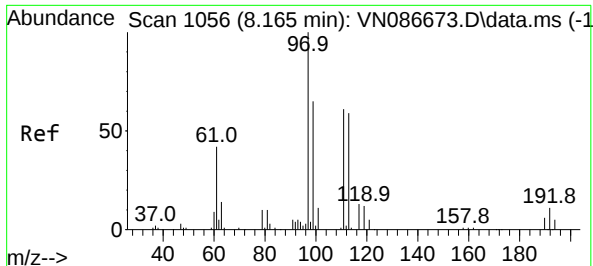
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.780 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

PL-HRH-COMP-02

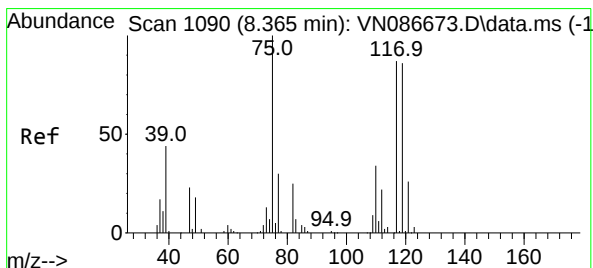
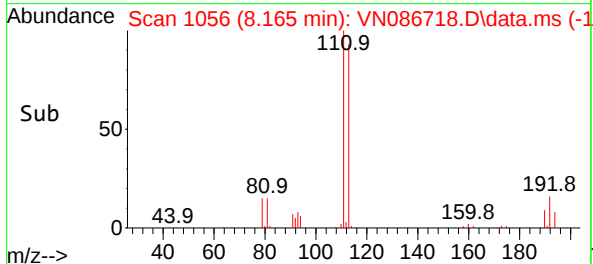
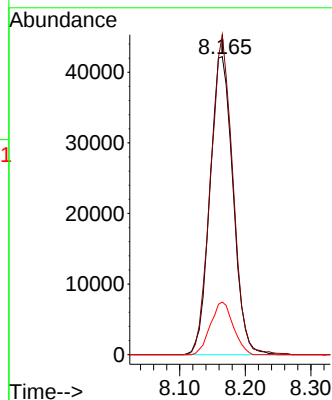
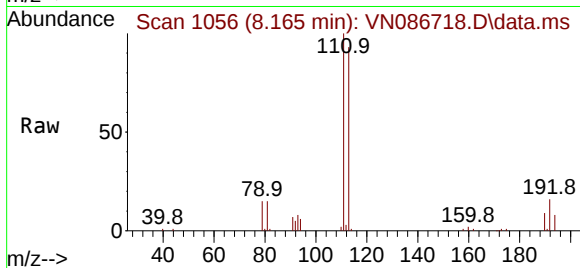
Tgt Ion:113 Resp: 103216

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 17.4 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.821 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

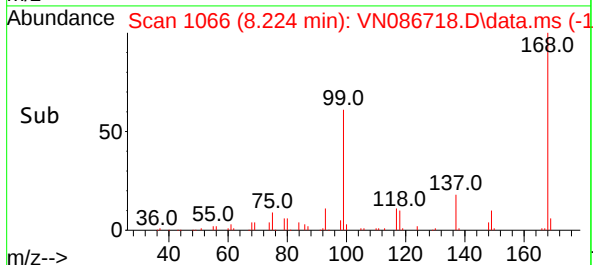
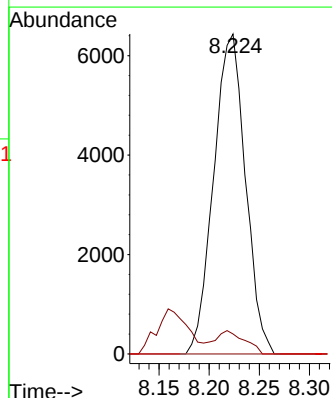
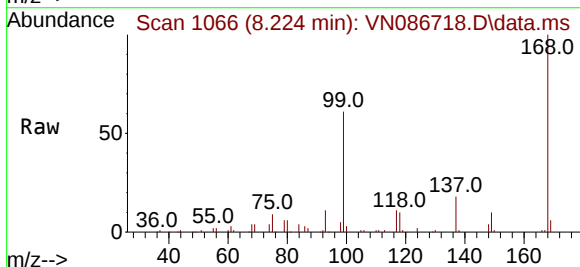
Tgt Ion: 75 Resp: 14174

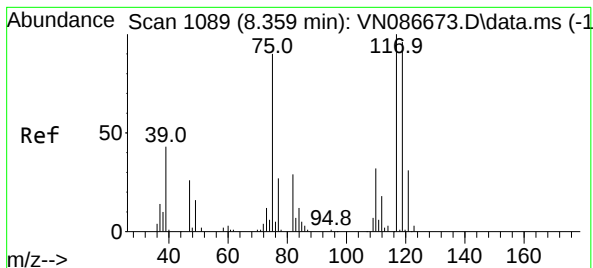
Ion Ratio Lower Upper

75 100

110 6.9 17.5 52.5#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN086718.D

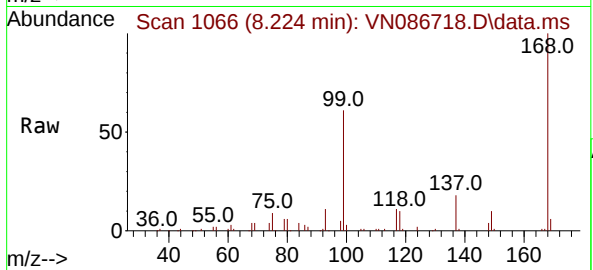
Acq: 20 May 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

PL-HRH-COMP-02



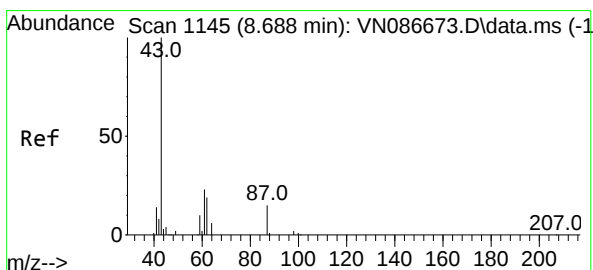
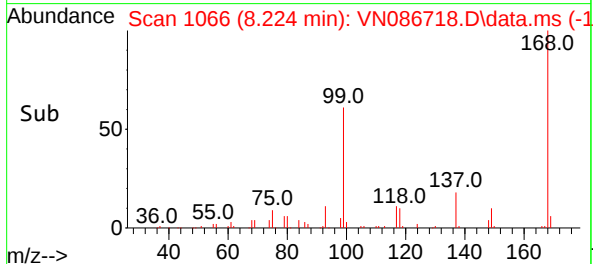
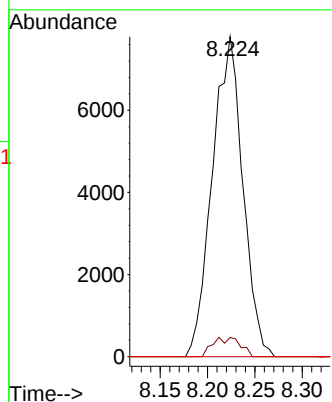
Tgt Ion:117 Resp: 17462

Ion Ratio Lower Upper

117 100

119 6.0 77.0 115.6#

121 0.0 25.0 37.6#



#43

Isopropyl Acetate

Concen: 4.006 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

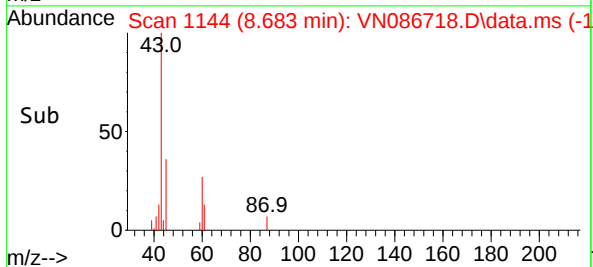
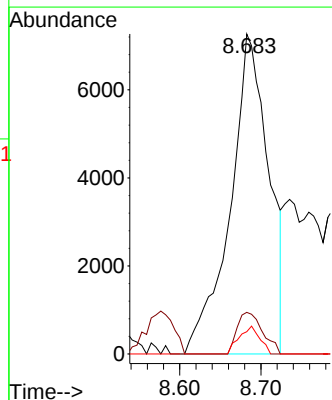
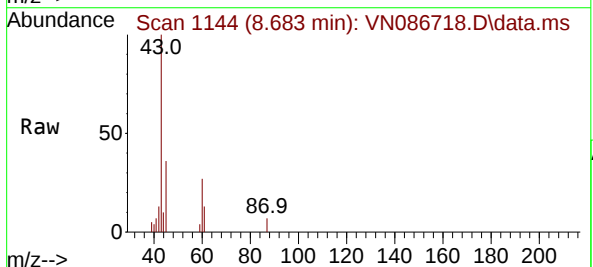
Tgt Ion: 43 Resp: 23852

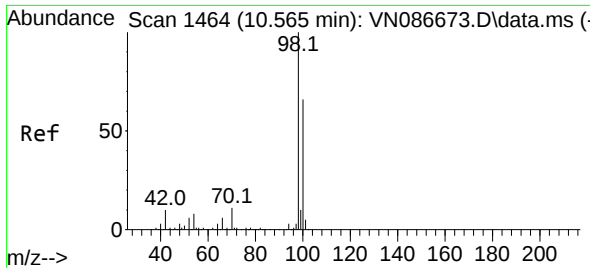
Ion Ratio Lower Upper

43 100

61 8.6 21.4 32.2#

87 4.6 11.1 16.7#

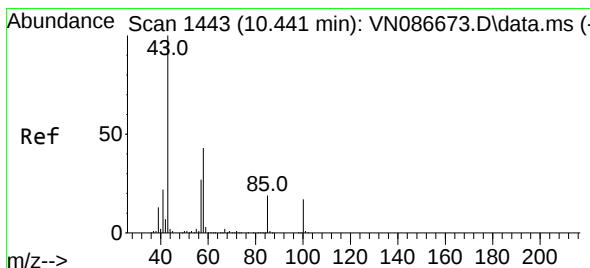
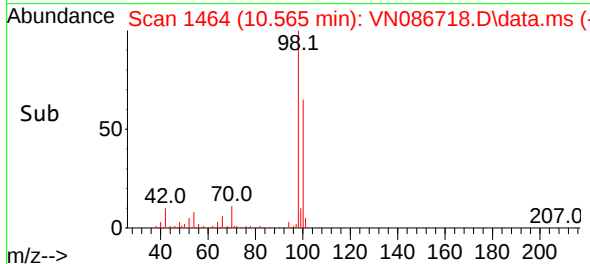
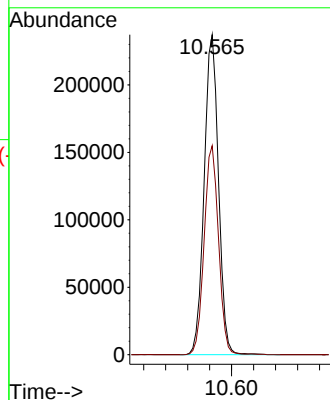
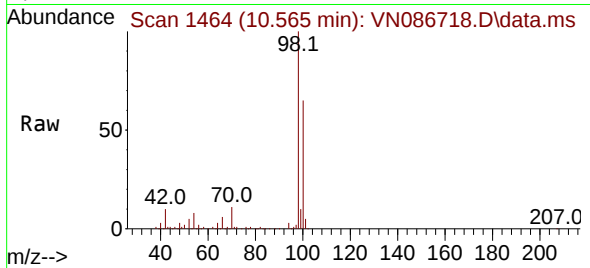




#50
Toluene-d8
Concen: 51.886 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

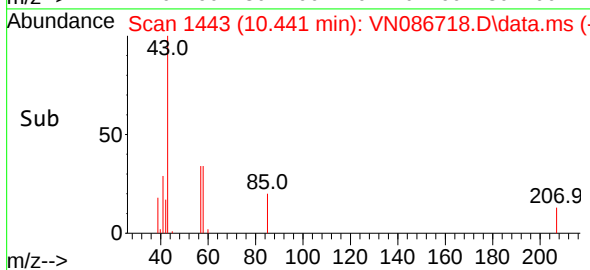
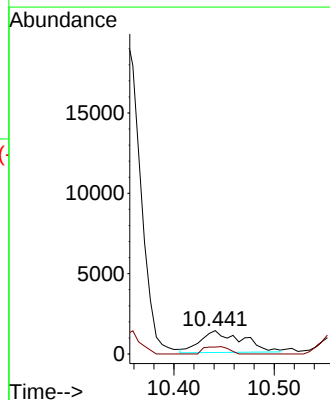
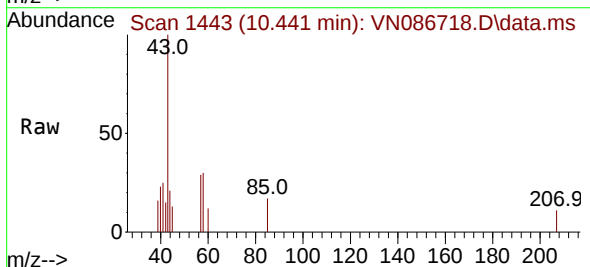
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-02

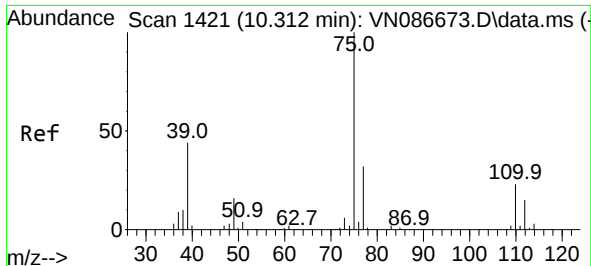
Tgt Ion: 98 Resp: 428611
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.325 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

Tgt Ion: 43 Resp: 3979
Ion Ratio Lower Upper
43 100
58 19.8 33.9 50.9#

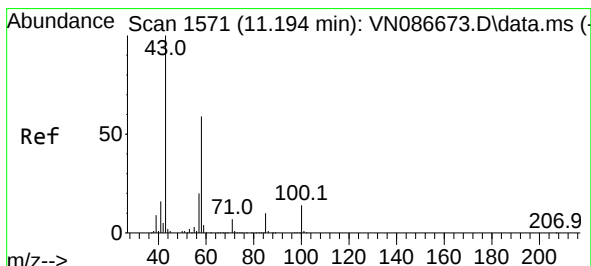
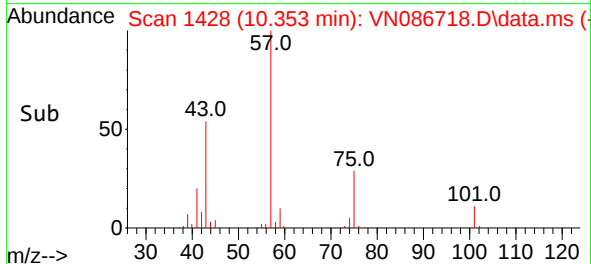
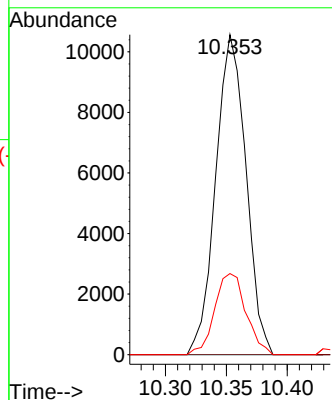
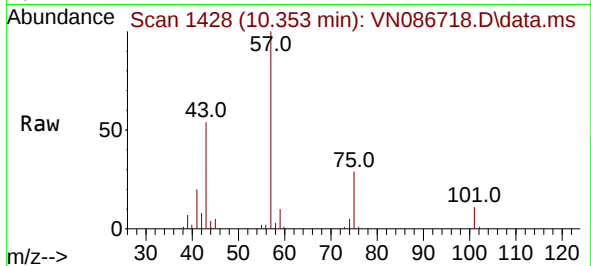




#54
 cis-1,3-Dichloropropene
 Concen: 4.989 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086718.D
 Acq: 20 May 2025 15:15

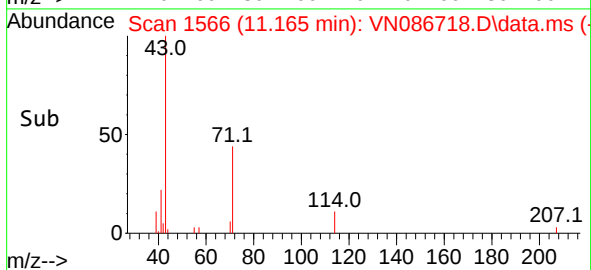
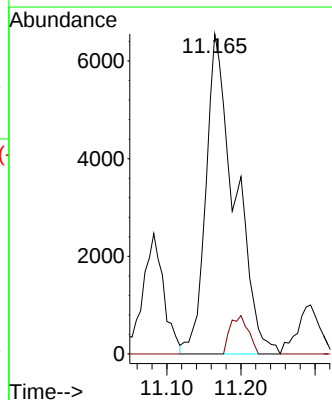
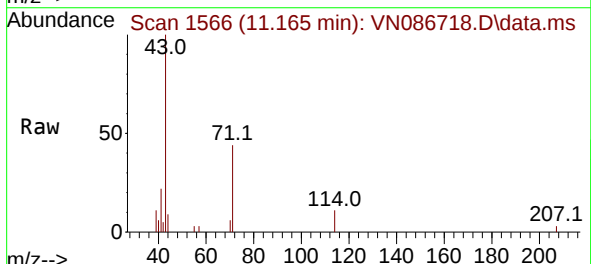
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-HRH-COMP-02

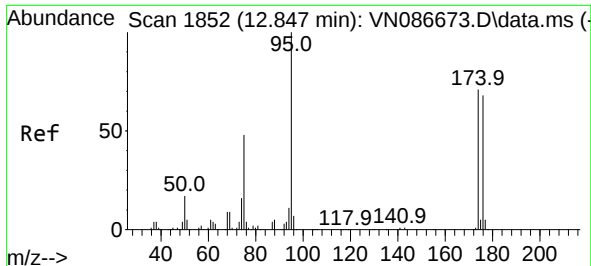
Tgt Ion: 75 Resp: 18266
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 25.4 35.2 52.8#



#59
 2-Hexanone
 Concen: 8.142 ug/l
 RT: 11.165 min Scan# 1566
 Delta R.T. -0.029 min
 Lab File: VN086718.D
 Acq: 20 May 2025 15:15

Tgt Ion: 43 Resp: 17853
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 89.5#

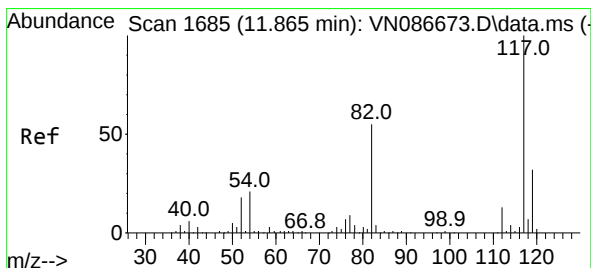
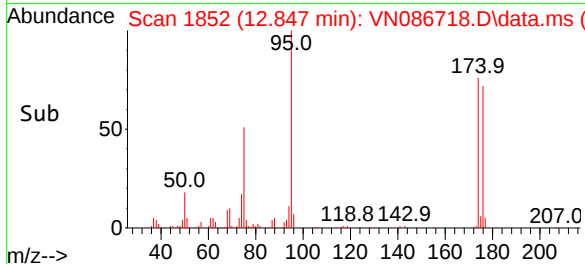
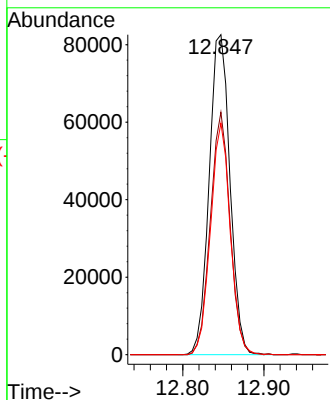
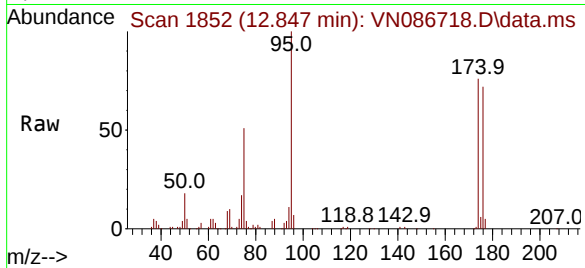




#62
4-Bromofluorobenzene
Concen: 50.516 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

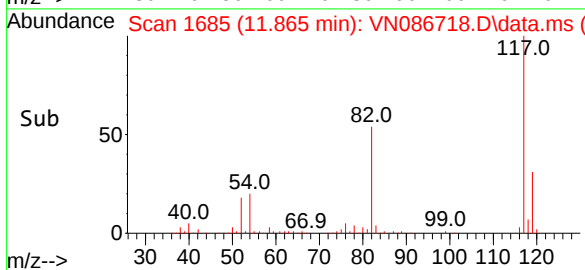
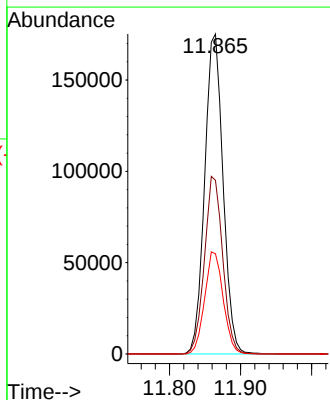
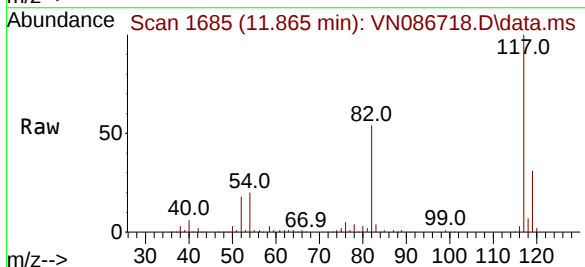
Instrument :
MSVOA_N
ClientSampleId :
PL-HRH-COMP-02

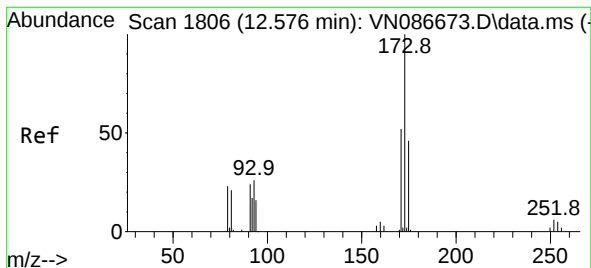
Tgt Ion: 95 Resp: 147344
Ion Ratio Lower Upper
95 100
174 71.5 0.0 145.4
176 68.6 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086718.D
Acq: 20 May 2025 15:15

Tgt Ion: 117 Resp: 315242
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 31.3 25.4 38.2





#71

Bromoform

Concen: 0.302 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

Instrument :

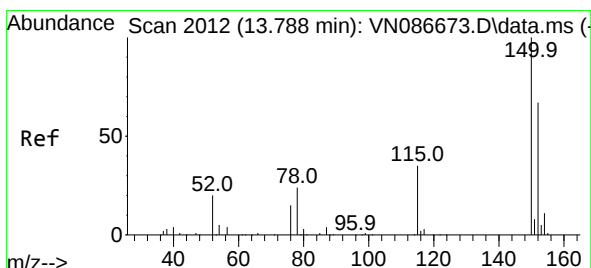
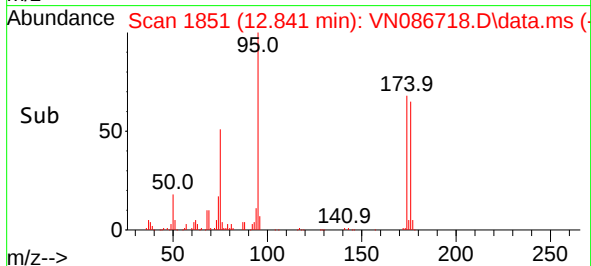
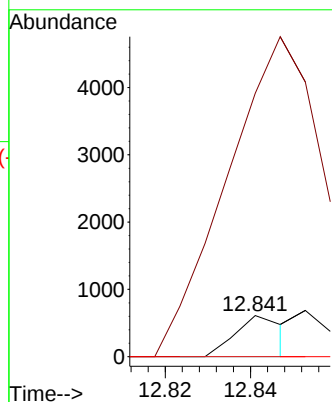
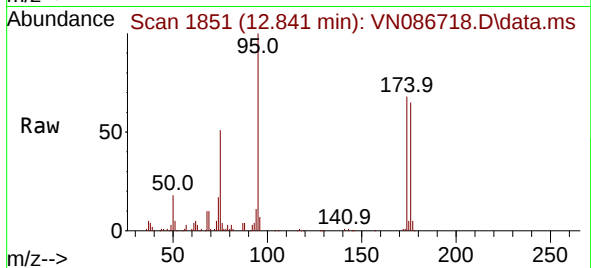
MSVOA_N

ClientSampleId :

PL-HRH-COMP-02

Tgt Ion:173 Resp: 479

Ion	Ratio	Lower	Upper
173	100		
175	1325.5	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

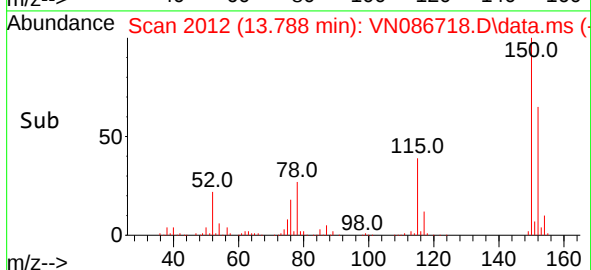
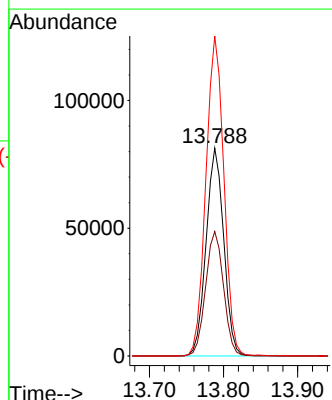
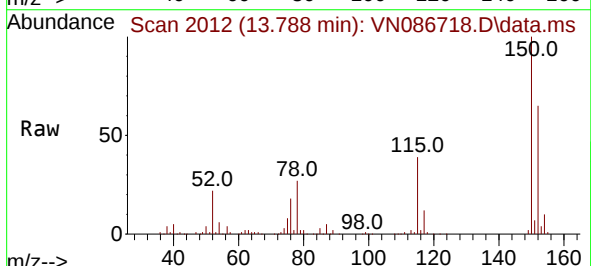
Delta R.T. -0.000 min

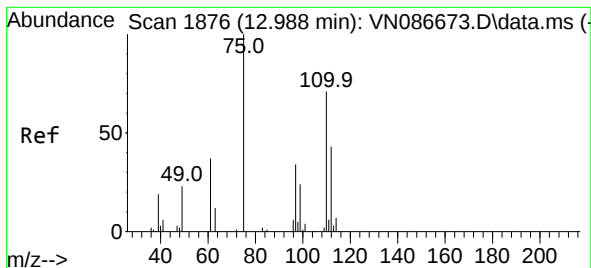
Lab File: VN086718.D

Acq: 20 May 2025 15:15

Tgt Ion:152 Resp: 134821

Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.0	90.1
150	156.3	0.0	347.8





#76

1,2,3-Trichloropropane

Concen: 24.159 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

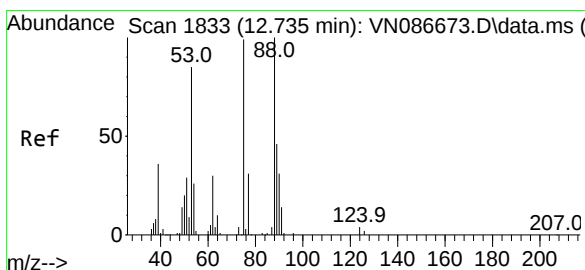
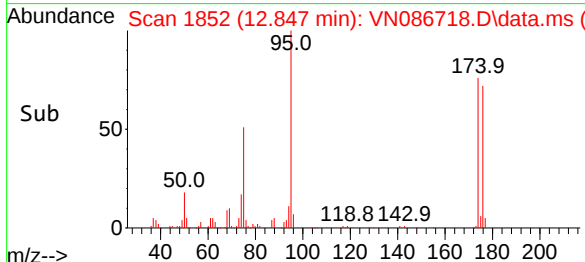
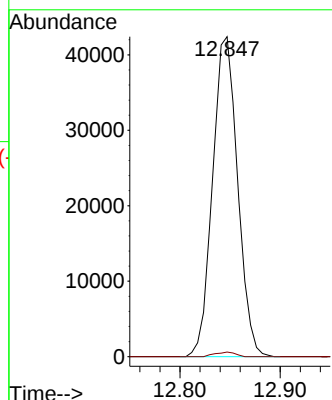
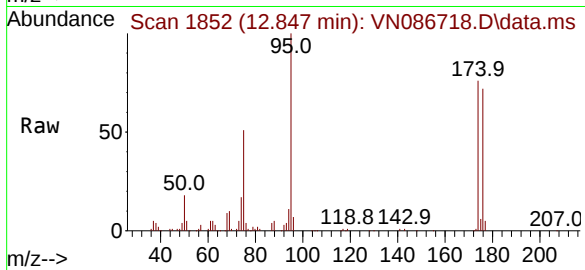
PL-HRH-COMP-02

Tgt Ion: 75 Resp: 73663

Ion Ratio Lower Upper

75 100

77 1.2 96.0 288.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.969 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086718.D

Acq: 20 May 2025 15:15

Tgt Ion: 75 Resp: 73663

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 32.4 48.6#

