

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086499.D
 Acq On : 05 May 2025 20:26
 Operator : JC\MD
 Sample : Q1939-03 20X
 Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2

Quant Time: May 06 01:48:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	339373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145198	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	123585	46.806	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.620%
35) Dibromofluoromethane	8.165	113	93708	59.494	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	118.980%
50) Toluene-d8	10.565	98	427180	50.746	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.500%
62) 4-Bromofluorobenzene	12.847	95	154461	50.307	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.620%

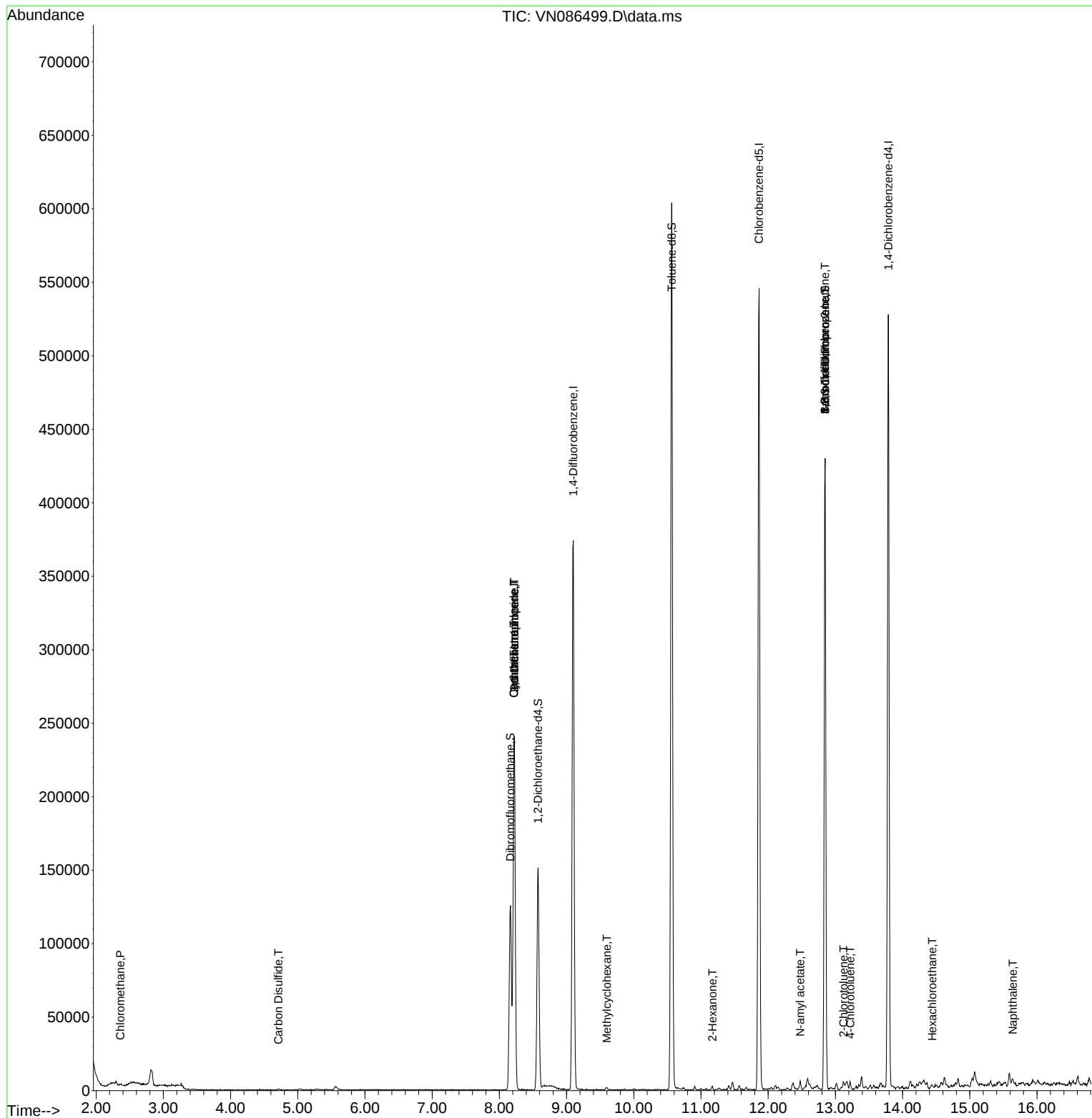
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1151	0.367	ug/l	95
16) Acetone	4.430	43	230	Below Cal	#	43
17) Carbon Disulfide	4.712	76	1438	0.224	ug/l #	74
31) Cyclohexane	8.218	56	3775	0.882	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14370	4.568	ug/l #	49
38) Carbon Tetrachloride	8.218	117	17629	5.884	ug/l #	15
39) Methylcyclohexane	9.600	83	897	0.240	ug/l #	74
43) Isopropyl Acetate	8.671	43	2806	Below Cal	#	55
59) 2-Hexanone	11.170	43	773	0.307	ug/l #	23
71) Bromoform	12.847	173	854	0.475	ug/l #	1
74) N-amyl acetate	12.476	43	1267	0.214	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	77606	22.649	ug/l #	1
79) 2-Chlorotoluene	13.123	91	3835	0.438	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.847	75	77606	54.395	ug/l #	10
82) 4-Chlorotoluene	13.223	91	2165	0.249	ug/l	91
90) Hexachloroethane	14.441	117	989	0.611	ug/l #	19
95) Naphthalene	15.641	128	4849	0.596	ug/l	96

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
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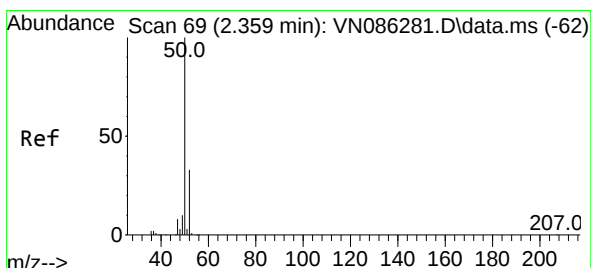
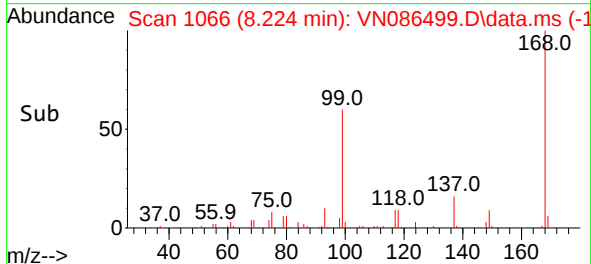
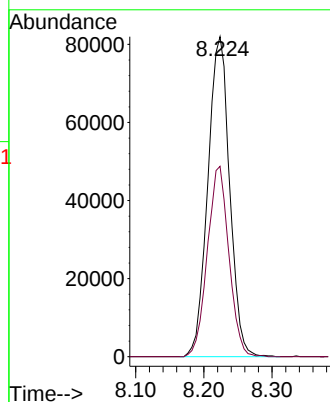
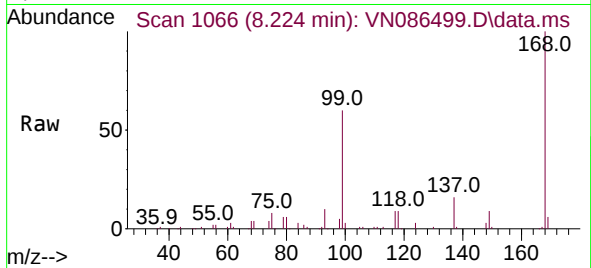




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

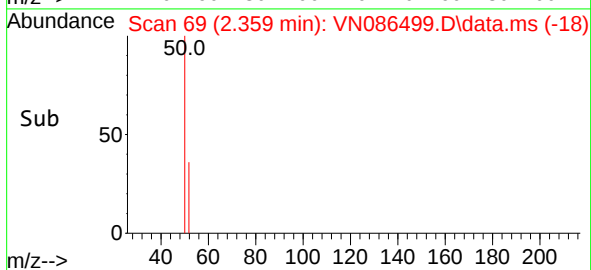
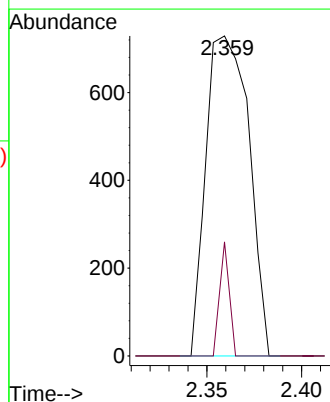
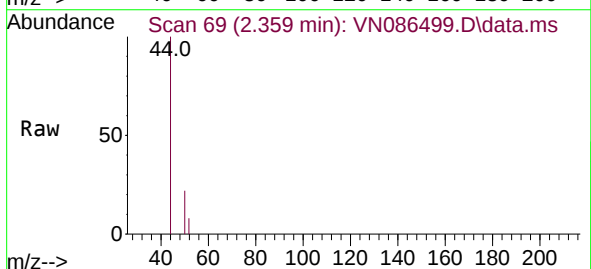
Instrument :
MSVOA_N
ClientSampleId :
GB2

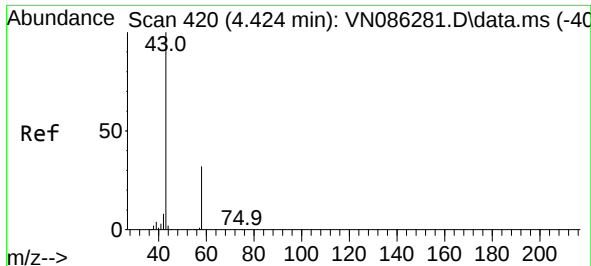
Tgt Ion:168 Resp: 182084
Ion Ratio Lower Upper
168 100
99 59.5 52.5 78.7



#3
Chloromethane
Concen: 0.367 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

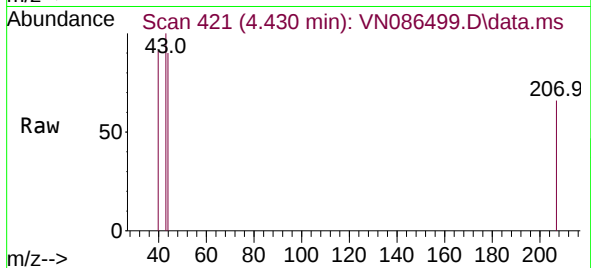
Tgt Ion: 50 Resp: 1151
Ion Ratio Lower Upper
50 100
52 35.7 26.5 39.7



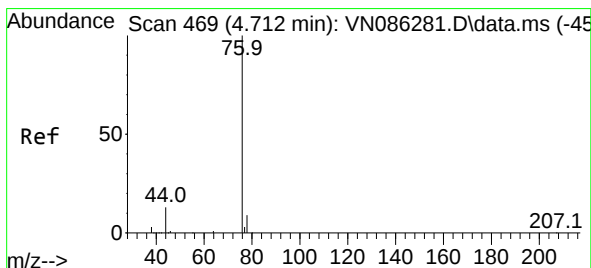
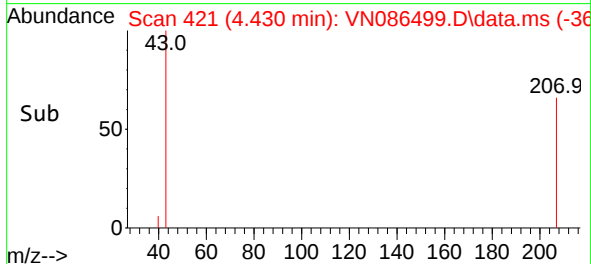
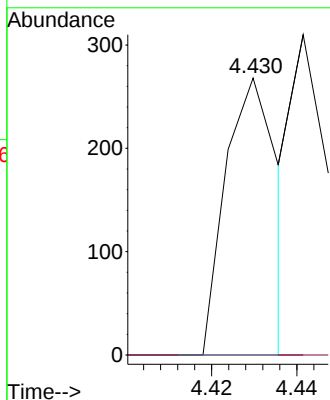


#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
GB2

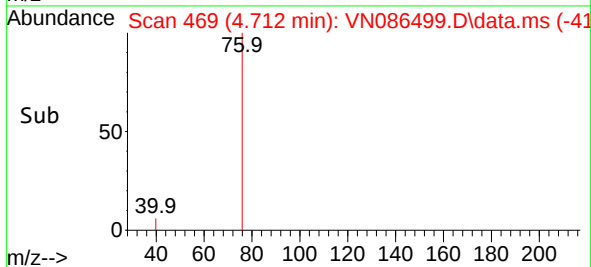
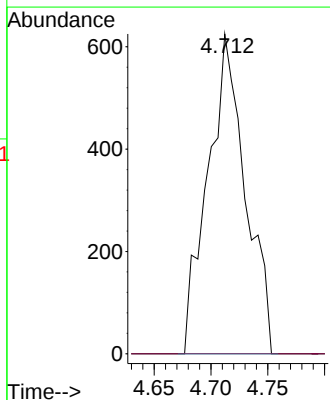
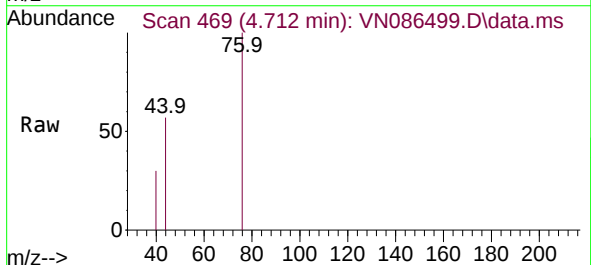


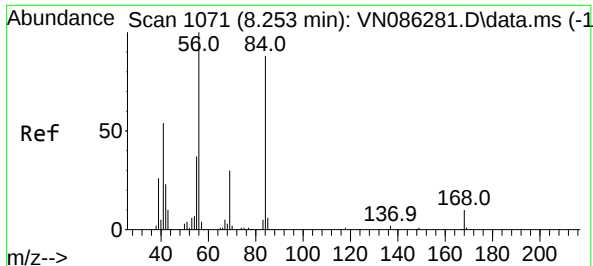
Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#17
Carbon Disulfide
Concen: 0.224 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

Tgt Ion: 76 Resp: 1438
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

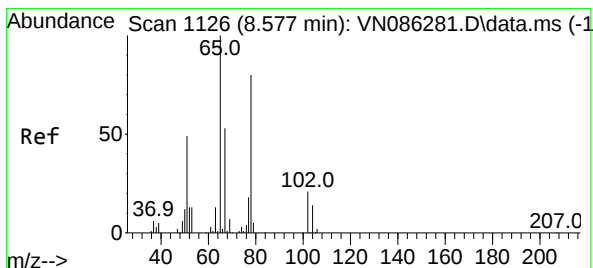
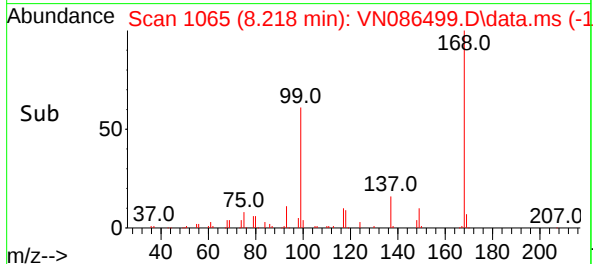
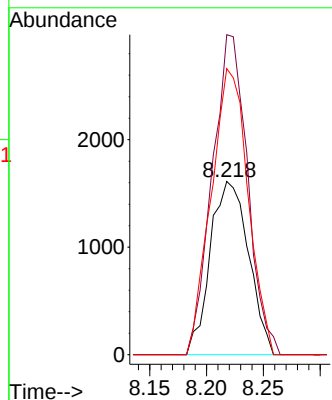
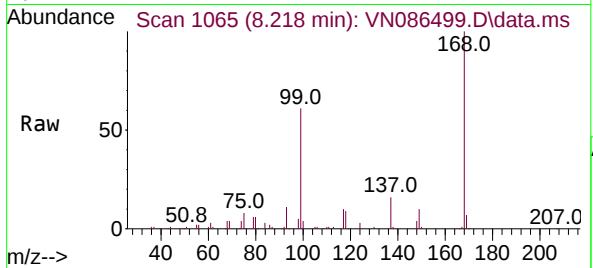




#31
Cyclohexane
Concen: 0.882 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

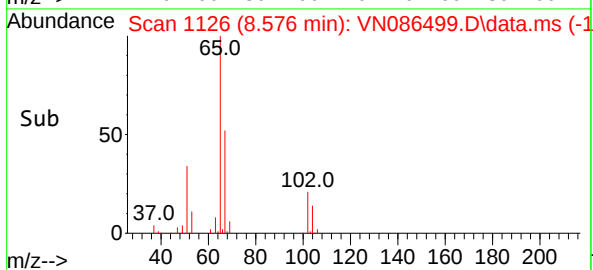
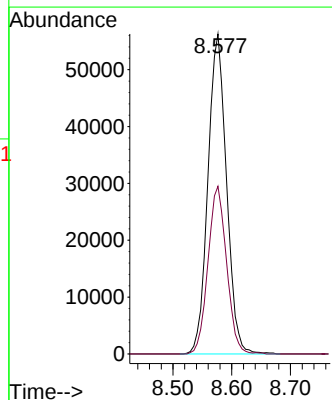
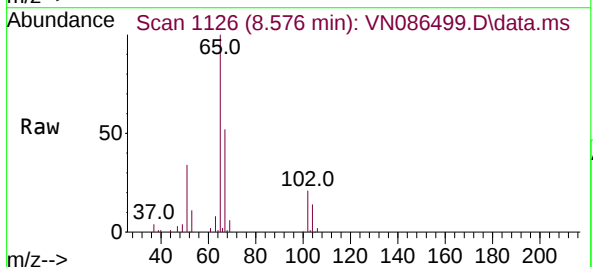
Instrument :
MSVOA_N
ClientSampleId :
GB2

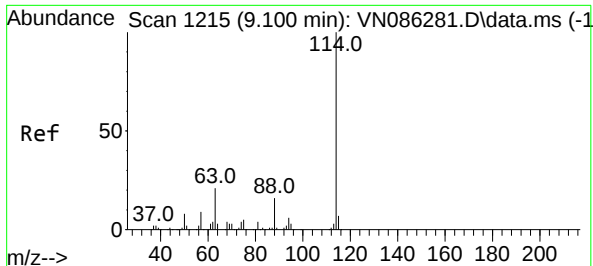
Tgt Ion: 56 Resp: 3775
Ion Ratio Lower Upper
56 100
69 184.7 24.2 36.2#
84 165.1 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 46.806 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

Tgt Ion: 65 Resp: 123585
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086499.D

Acq: 05 May 2025 20:26

Instrument :

MSVOA_N

ClientSampleId :

GB2

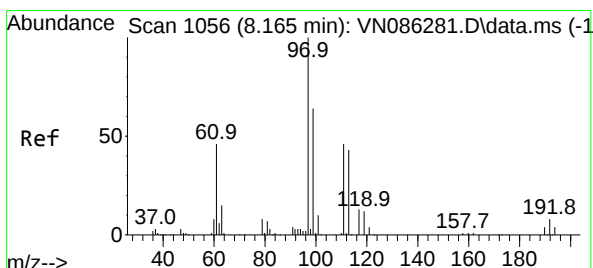
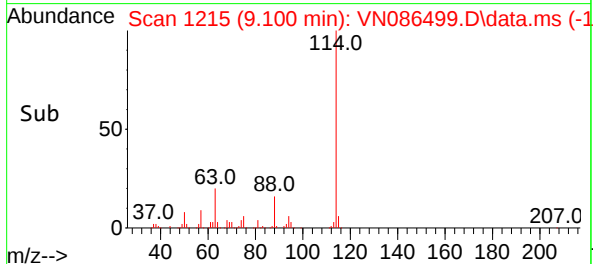
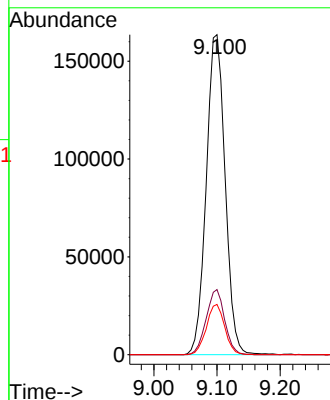
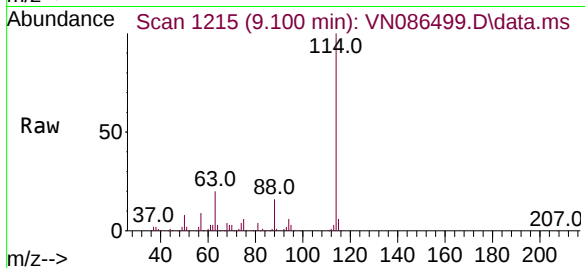
Tgt Ion:114 Resp: 339373

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.494 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086499.D

Acq: 05 May 2025 20:26

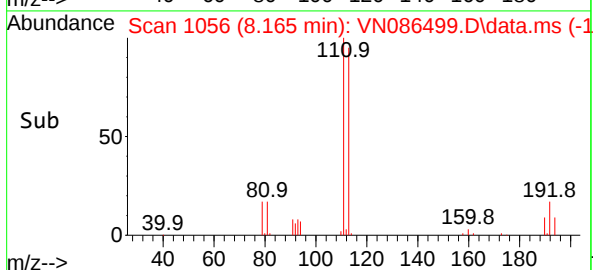
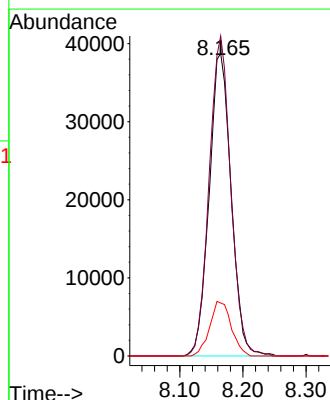
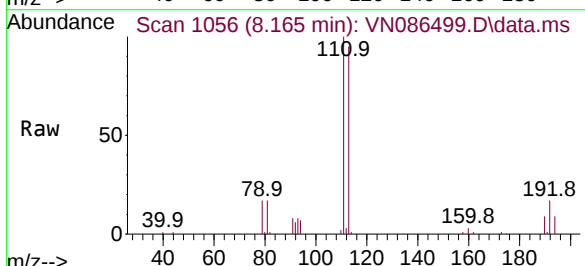
Tgt Ion:113 Resp: 93708

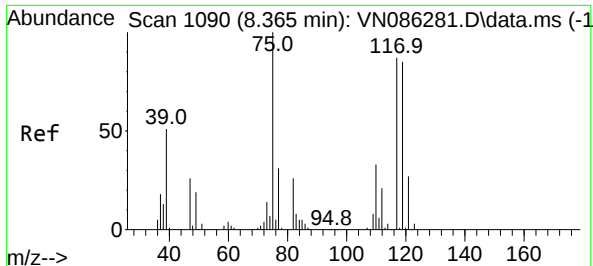
Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.0

192 17.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.568 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086499.D

Acq: 05 May 2025 20:26

Instrument :

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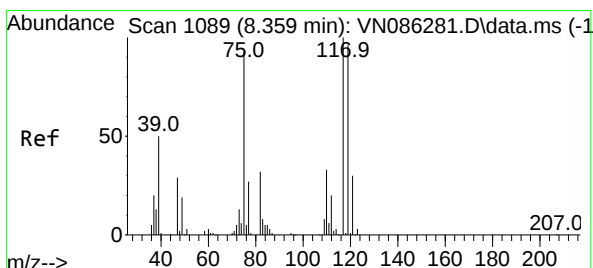
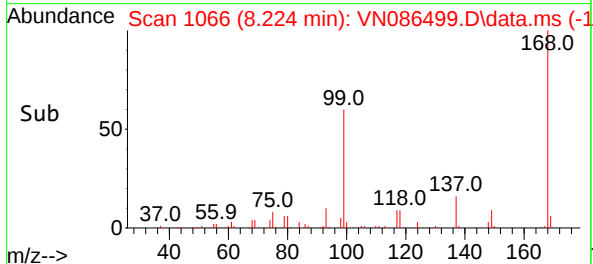
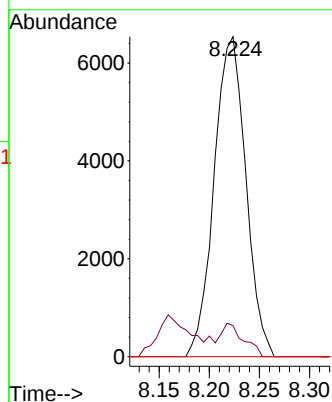
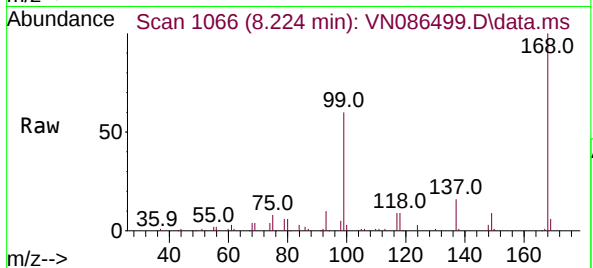
Tgt Ion: 75 Resp: 14370

Ion Ratio Lower Upper

75 100

110 7.3 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.884 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086499.D

Acq: 05 May 2025 20:26

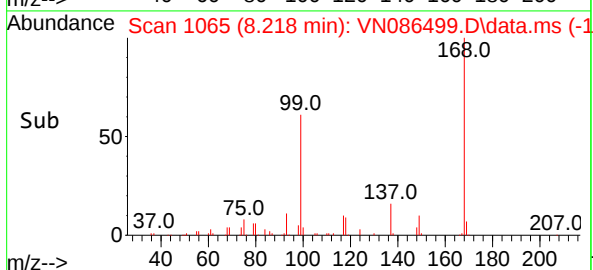
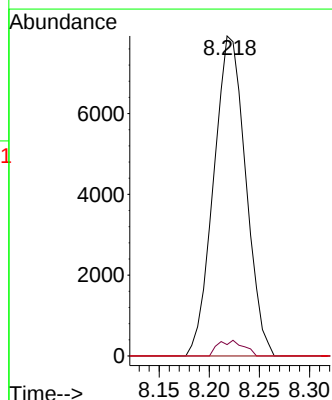
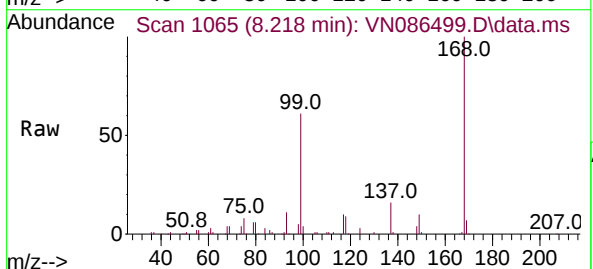
Tgt Ion: 117 Resp: 17629

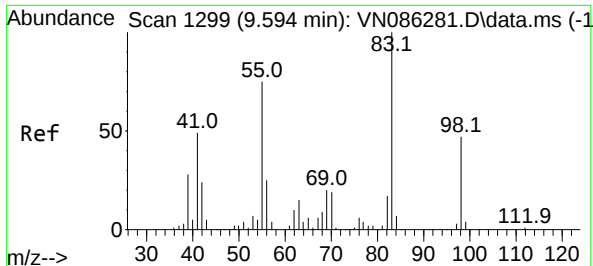
Ion Ratio Lower Upper

117 100

119 3.5 76.8 115.2#

121 0.0 23.8 35.8#





#39

Methylcyclohexane

Concen: 0.240 ug/l

RT: 9.600 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086499.D

Acq: 05 May 2025 20:26

Instrument :

MSVOA_N

ClientSampleId :

GB2

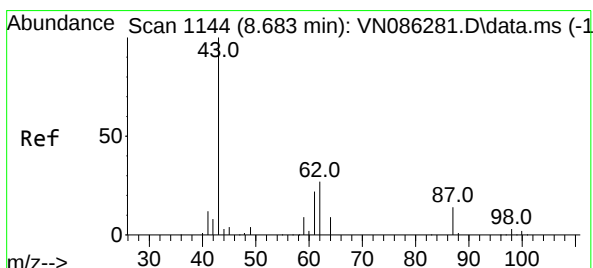
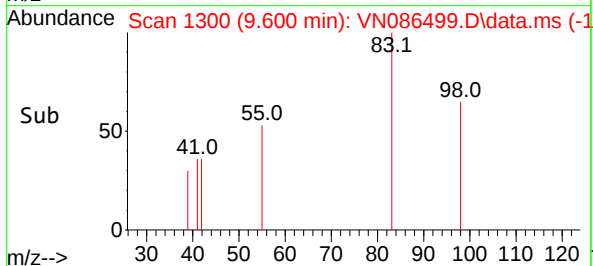
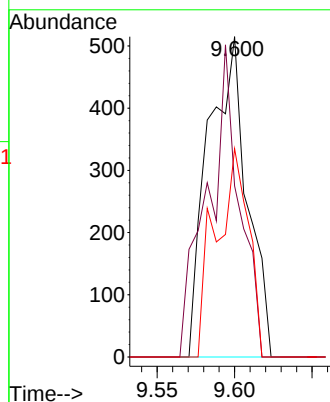
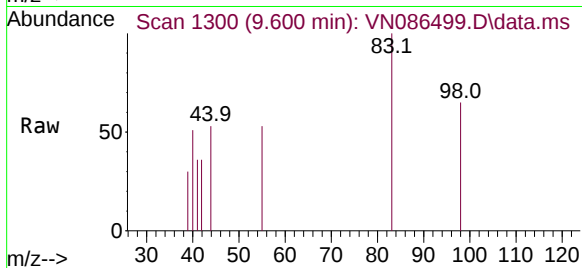
Tgt Ion: 83 Resp: 897

Ion Ratio Lower Upper

83 100

55 53.4 59.8 89.8#

98 65.0 37.9 56.9#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.671 min Scan# 1142

Delta R.T. -0.012 min

Lab File: VN086499.D

Acq: 05 May 2025 20:26

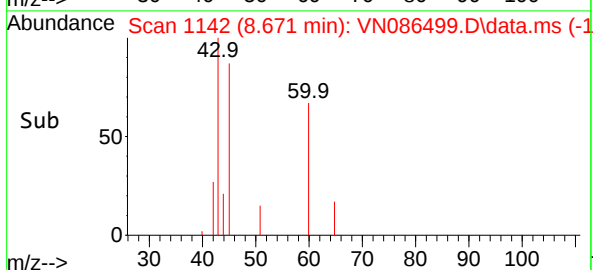
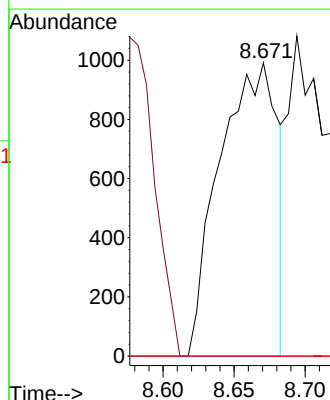
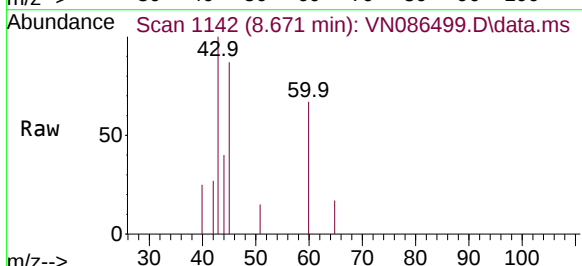
Tgt Ion: 43 Resp: 2806

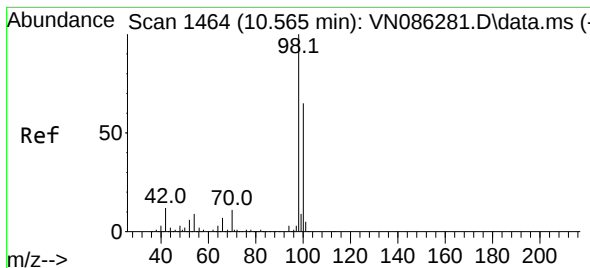
Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#





#50

Toluene-d8

Concen: 50.746 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086499.D

Acq: 05 May 2025 20:26

Instrument :

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ClientSampleId :

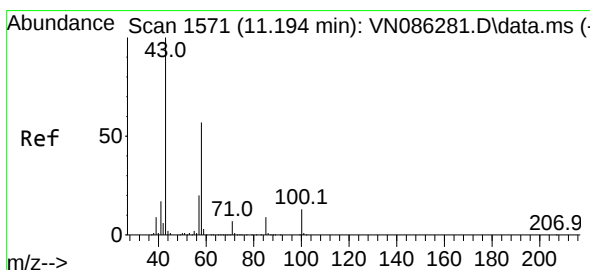
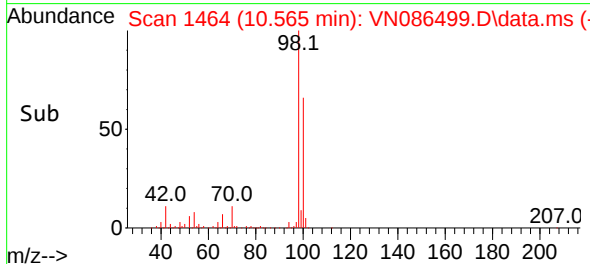
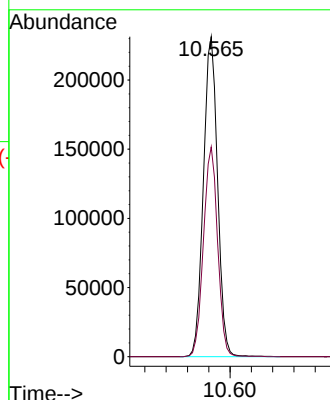
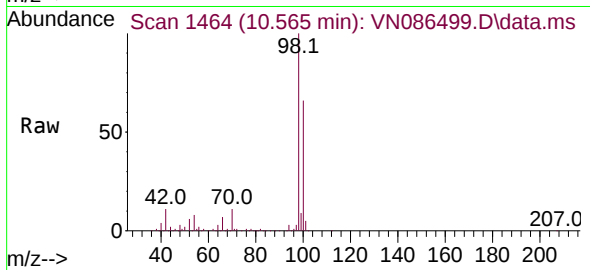
GB2

Tgt Ion: 98 Resp: 427180

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7



#59

2-Hexanone

Concen: 0.307 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN086499.D

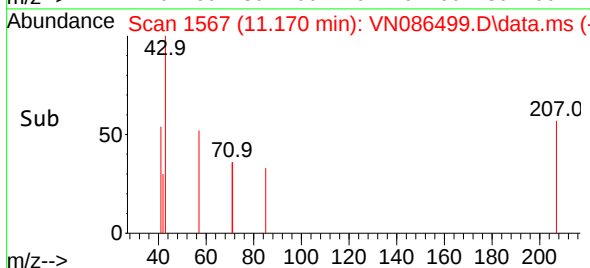
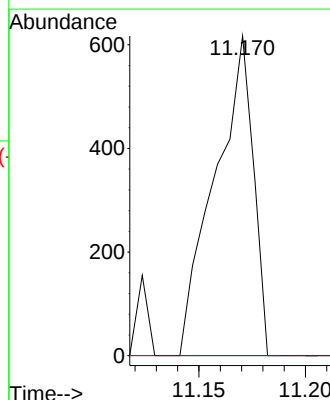
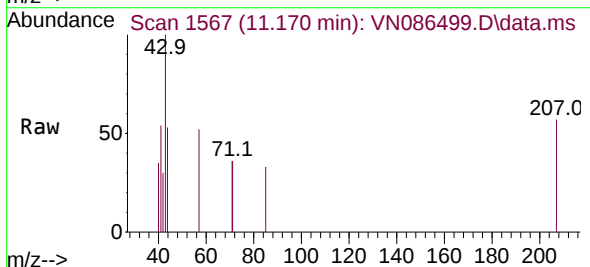
Acq: 05 May 2025 20:26

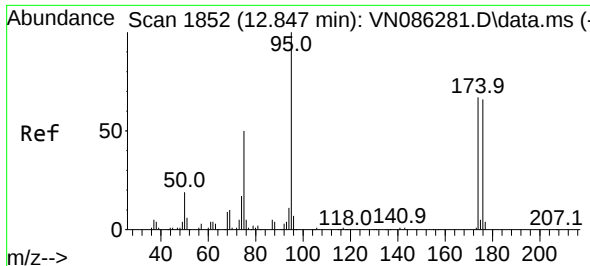
Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

43 100

58 0.0 28.3 85.0#

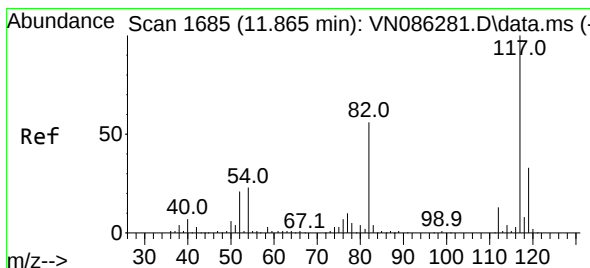
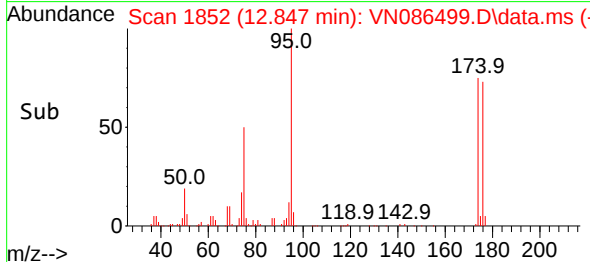
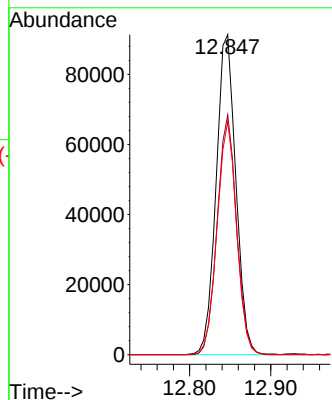
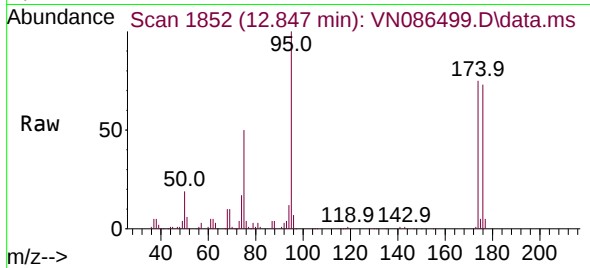




#62
4-Bromofluorobenzene
Concen: 50.307 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

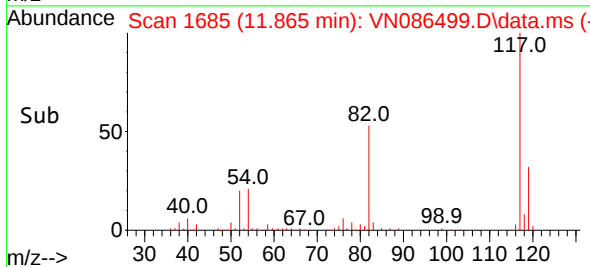
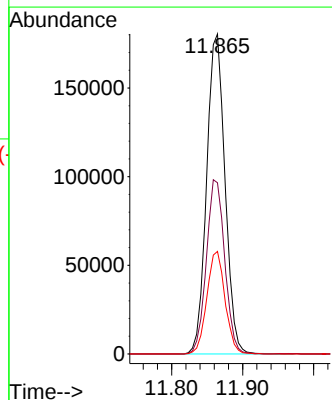
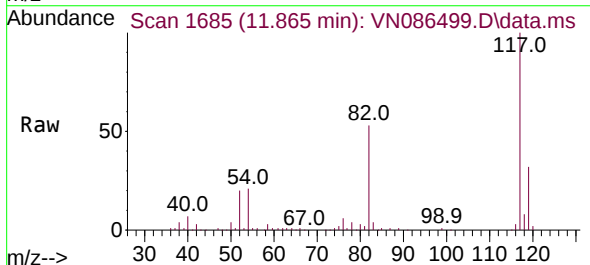
Instrument :
MSVOA_N
ClientSampleId :
GB2

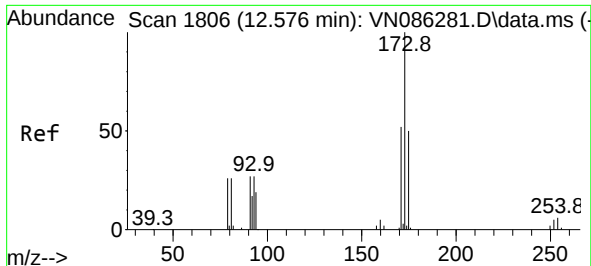
Tgt Ion	Resp	Ion Ratio	Lower	Upper
95	154461	100		
174		73.5	0.0	133.4
176		71.6	0.0	129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

Tgt Ion	Resp	Ion Ratio	Lower	Upper
117	324368	100		
82		53.5	44.7	67.1
119		32.0	26.4	39.6

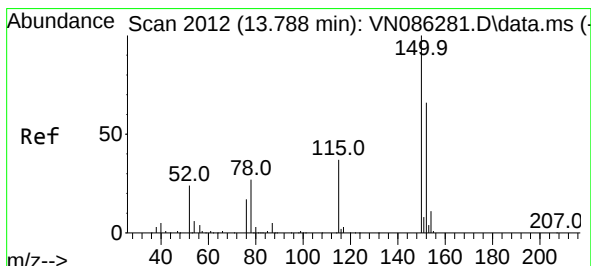
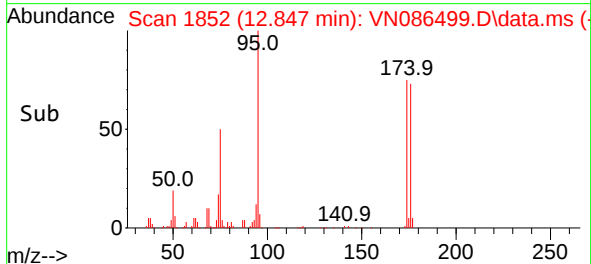
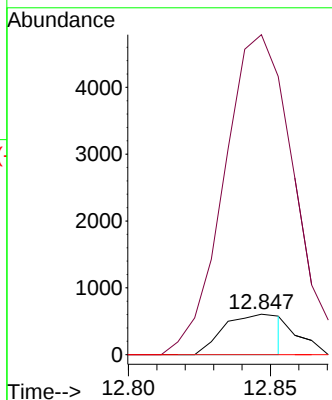
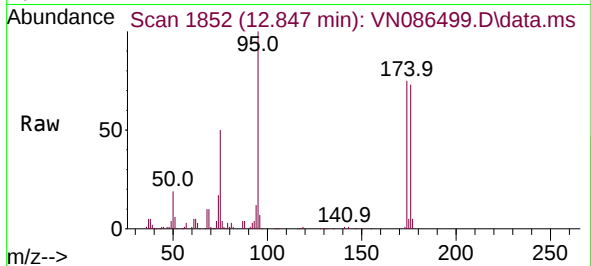




#71
Bromoform
Concen: 0.475 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

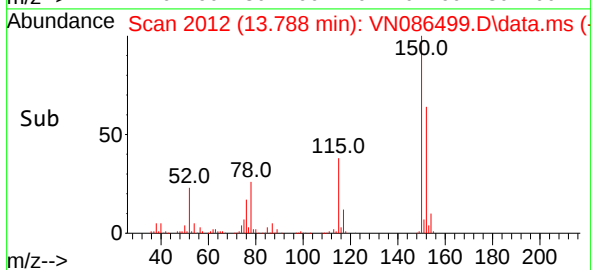
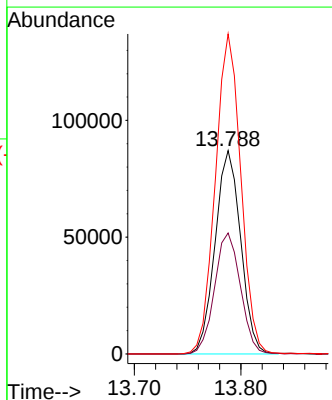
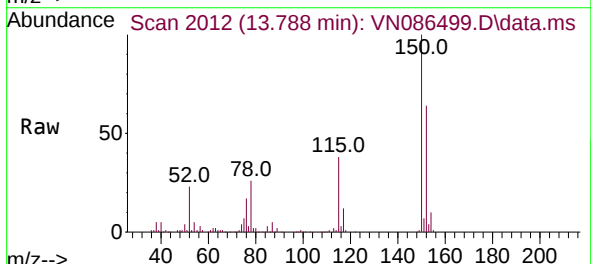
Instrument :
MSVOA_N
ClientSampleId :
GB2

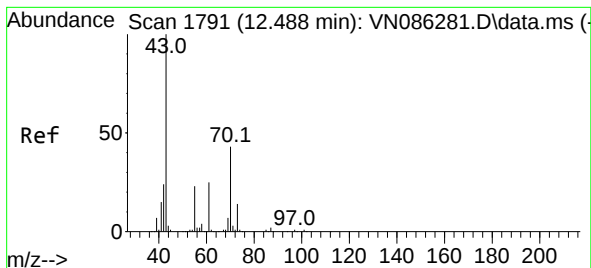
Tgt Ion:173 Resp: 854
Ion Ratio Lower Upper
173 100
175 776.0 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

Tgt Ion:152 Resp: 145198
Ion Ratio Lower Upper
152 100
115 60.1 31.9 95.9
150 157.1 0.0 352.0





#74

N-amy1 acetate

Concen: 0.214 ug/l

RT: 12.476 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN086499.D

Acq: 05 May 2025 20:26

Instrument :

MSVOA_N

ClientSampleId :

GB2

Tgt Ion: 43 Resp: 1267

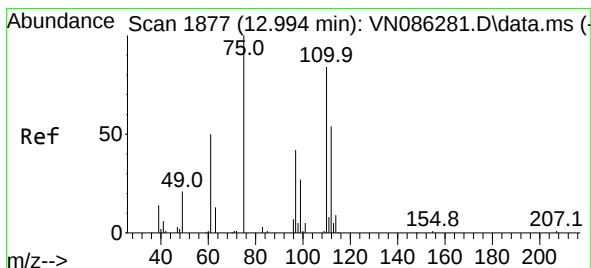
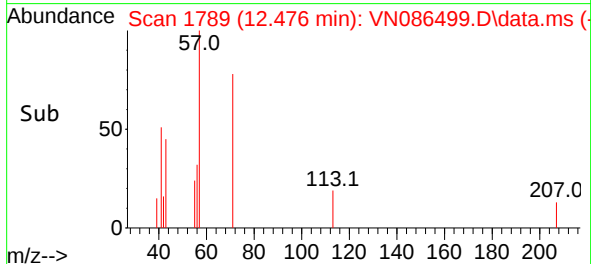
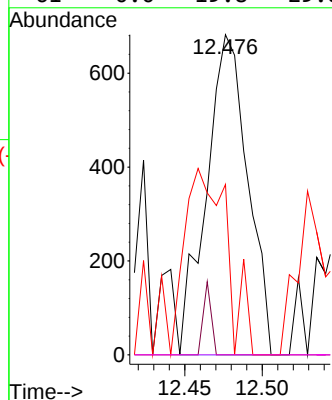
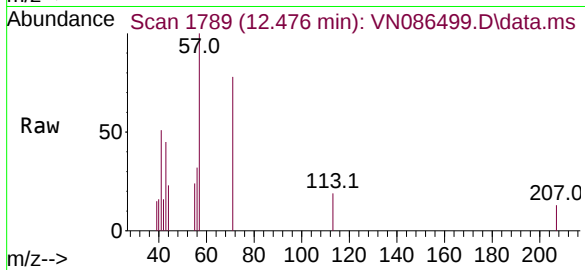
Ion Ratio Lower Upper

43 100

70 4.3 35.0 52.4#

55 59.5 19.0 28.4#

61 0.0 19.8 29.8#



#76

1,2,3-Trichloropropane

Concen: 22.649 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086499.D

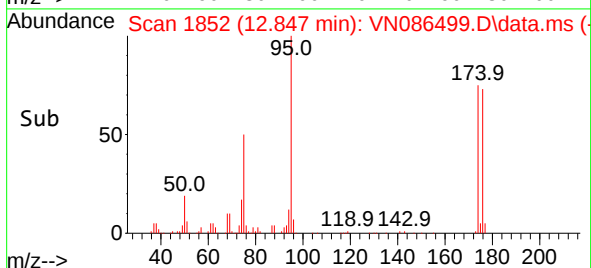
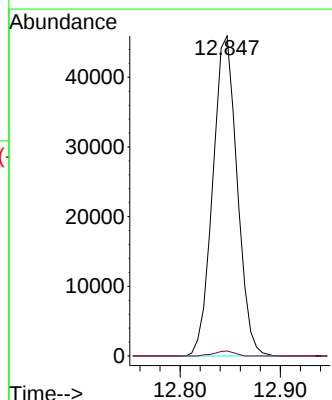
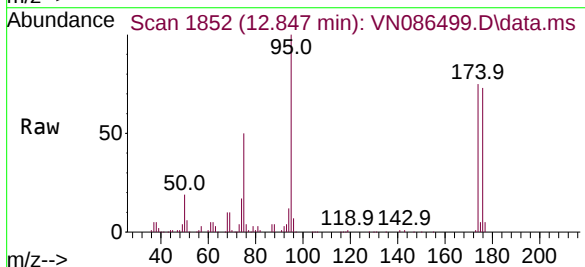
Acq: 05 May 2025 20:26

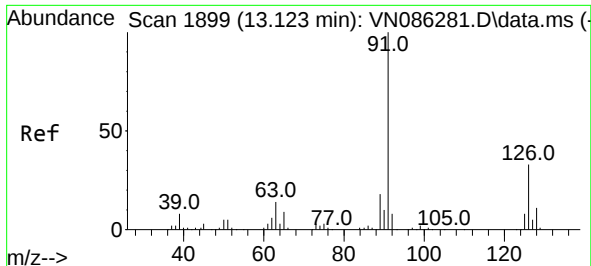
Tgt Ion: 75 Resp: 77606

Ion Ratio Lower Upper

75 100

77 1.3 98.8 296.4#

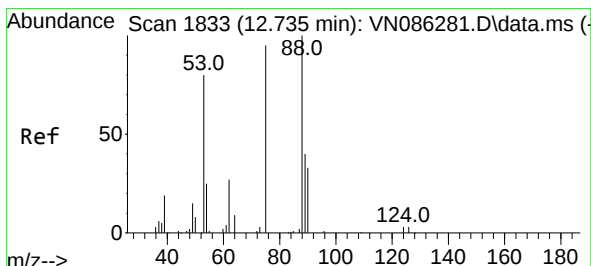
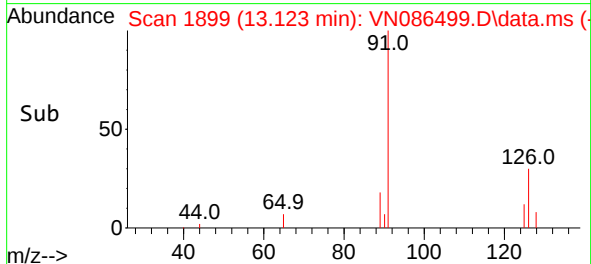
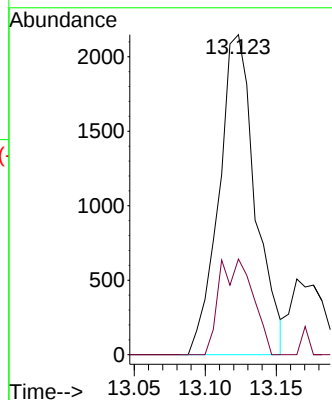
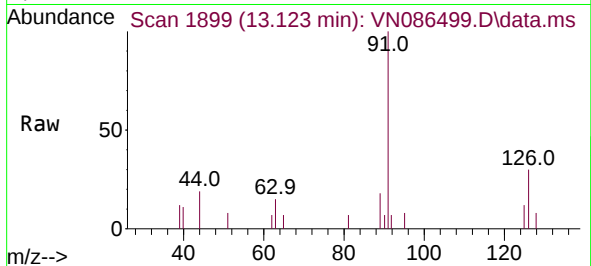




#79
2-Chlorotoluene
Concen: 0.438 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

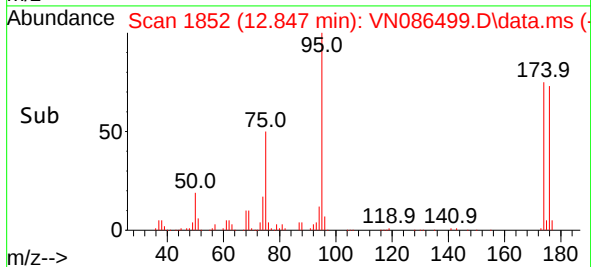
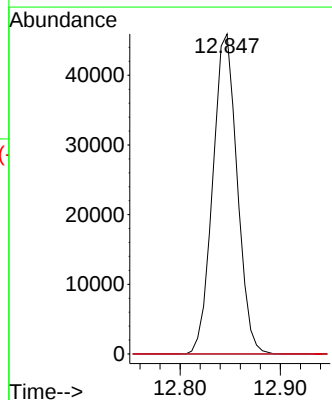
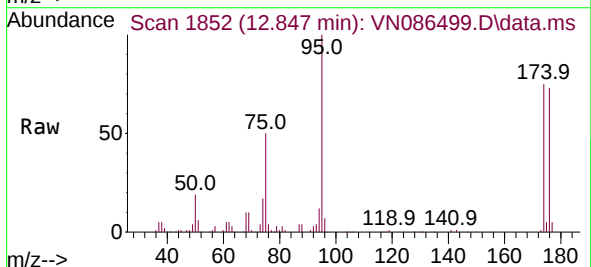
Instrument :
MSVOA_N
ClientSampleId :
GB2

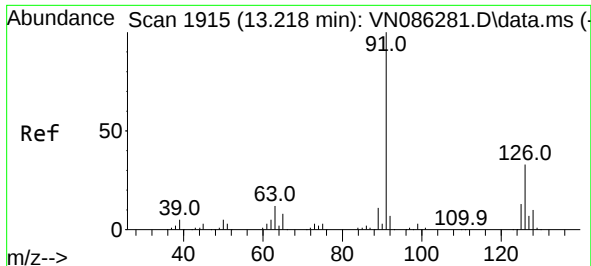
Tgt Ion: 91 Resp: 3835
Ion Ratio Lower Upper
91 100
126 27.6 16.1 48.2



#81
trans-1,4-Dichloro-2-butene
Concen: 54.395 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

Tgt Ion: 75 Resp: 77606
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

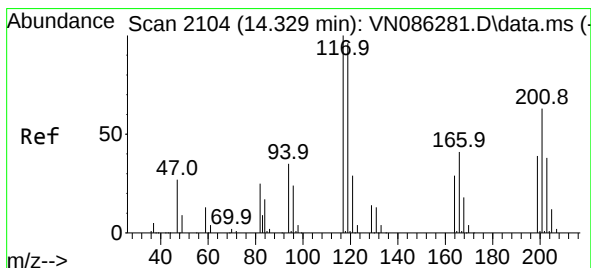
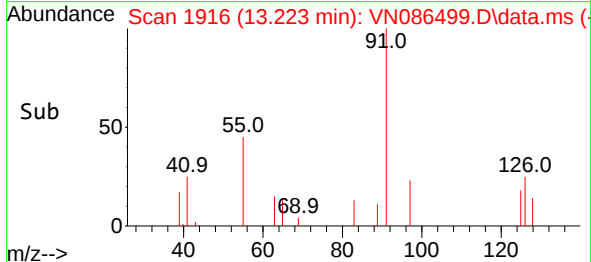
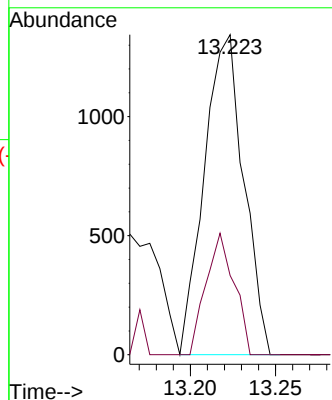
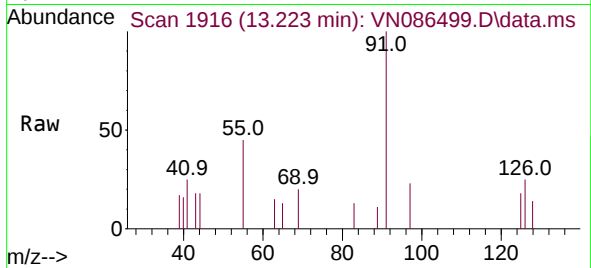




#82
4-Chlorotoluene
Concen: 0.249 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

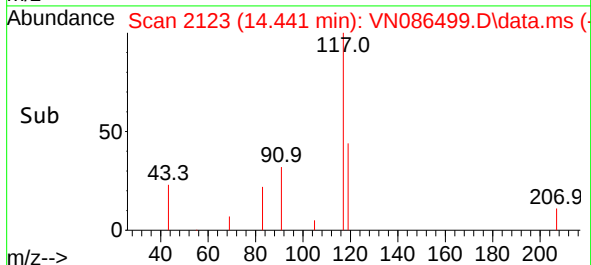
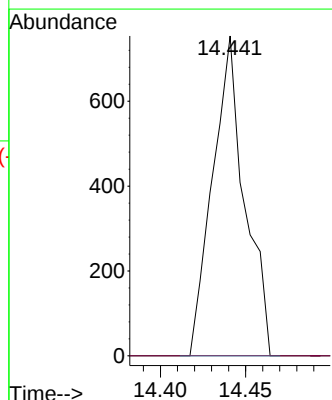
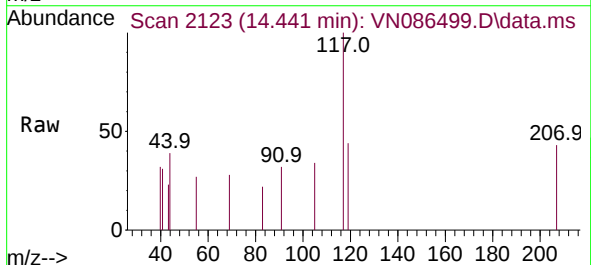
Instrument :
MSVOA_N
ClientSampleId :
GB2

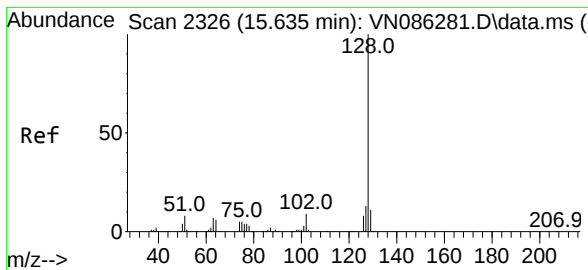
Tgt Ion: 91 Resp: 2165
Ion Ratio Lower Upper
91 100
126 27.1 16.2 48.6



#90
Hexachloroethane
Concen: 0.611 ug/l
RT: 14.441 min Scan# 2123
Delta R.T. 0.112 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

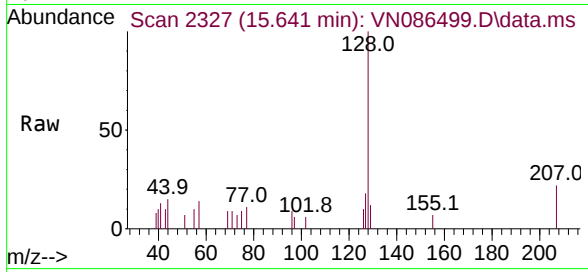
Tgt Ion: 117 Resp: 989
Ion Ratio Lower Upper
117 100
201 0.0 31.4 94.2#





#95
Naphthalene
Concen: 0.596 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086499.D
Acq: 05 May 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
GB2



Tgt Ion:	128	Resp:	4849
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	12.9	8.6	13.0

