

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084656.D
 Acq On : 04 Nov 2024 14:41
 Operator : JC\MD
 Sample : P4659-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:26:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

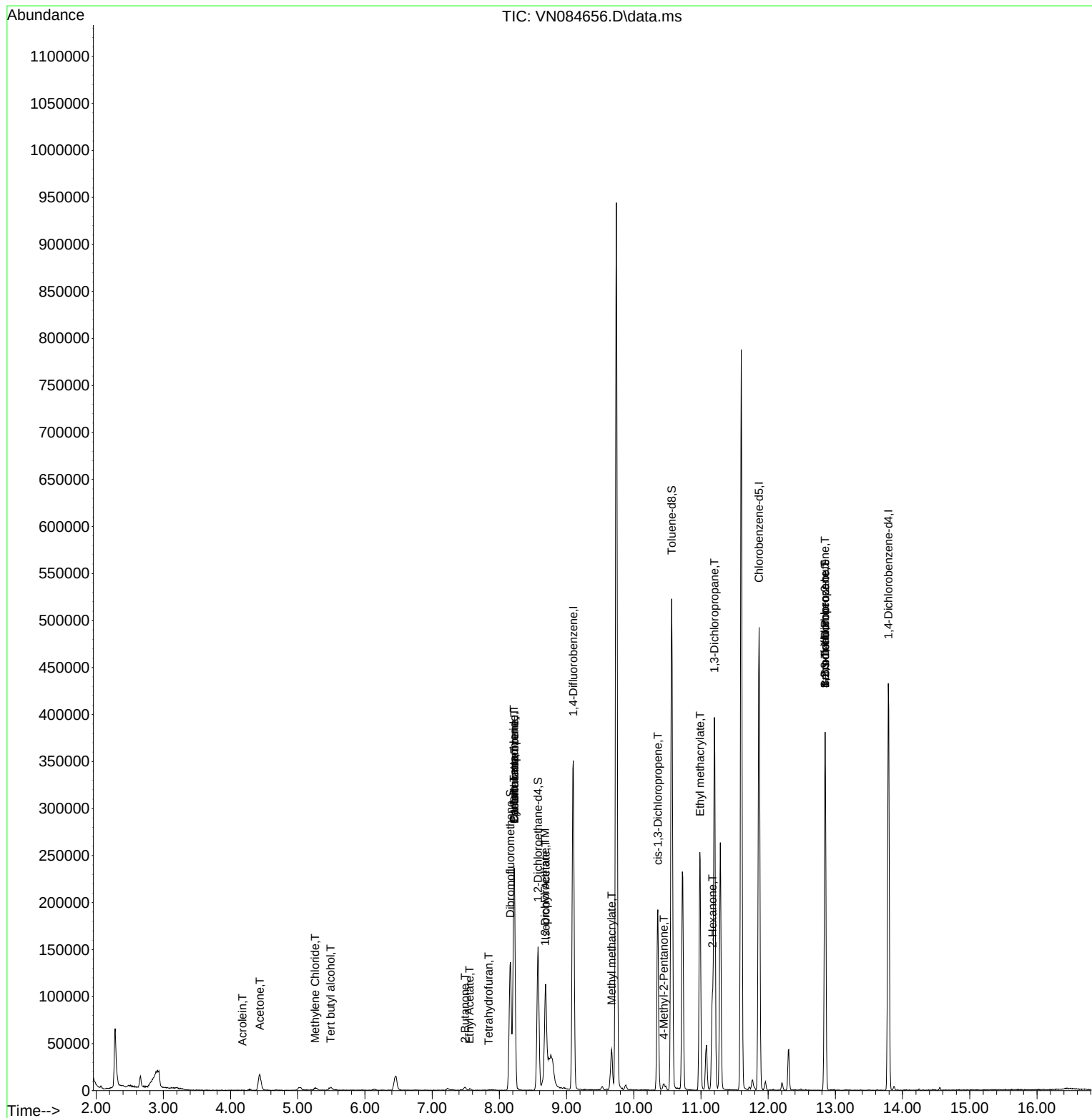
Internal Standards						
1) Pentafluorobenzene	8.224	168	171220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122752	49.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.280%
35) Dibromofluoromethane	8.165	113	99208	47.735	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.460%
50) Toluene-d8	10.565	98	362803	47.389	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.780%
62) 4-Bromofluorobenzene	12.847	95	131563	45.981	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	713	Below Cal	#	88
6) Chloroethane	3.118	64	154	Below Cal	#	45
11) Tert butyl alcohol	5.488	59	3315	10.155	ug/l #	73
13) Acrolein	4.177	56	209	0.642	ug/l #	14
16) Acetone	4.436	43	32260	42.795	ug/l	97
18) Methyl Acetate	5.036	43	7018	Below Cal	#	83
20) Methylene Chloride	5.259	84	920	0.423	ug/l	97
25) 2-Butanone	7.488	43	5388	4.670	ug/l	97
29) Tetrahydrofuran	7.841	42	525	0.686	ug/l #	34
31) Cyclohexane	8.224	56	3911	1.146	ug/l #	9
36) 1,1-Dichloropropene	8.224	75	14572	5.056	ug/l #	50
37) Ethyl Acetate	7.559	43	2823	1.079	ug/l #	80
38) Carbon Tetrachloride	8.218	117	18785	5.831	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	741	0.247	ug/l #	75
43) Isopropyl Acetate	8.688	43	147871	30.225	ug/l #	83
48) Methyl methacrylate	9.671	41	2939	1.444	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	7565	3.034	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	34592	9.776	ug/l #	63
56) Ethyl methacrylate	10.988	69	1386	0.470	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3887	1.111	ug/l #	42
59) 2-Hexanone	11.170	43	81984	45.179	ug/l #	24
71) Bromoform	12.847	173	1026	0.630	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67573	28.572	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67573	67.784	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	225	Below Cal	#	1

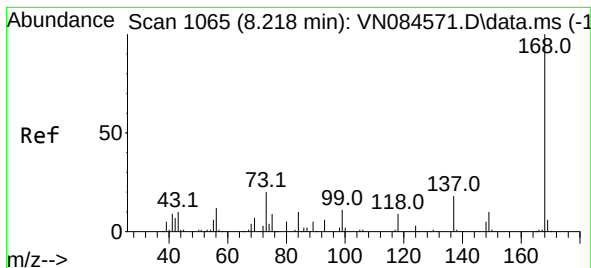
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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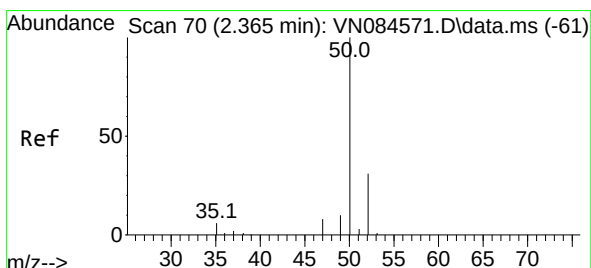
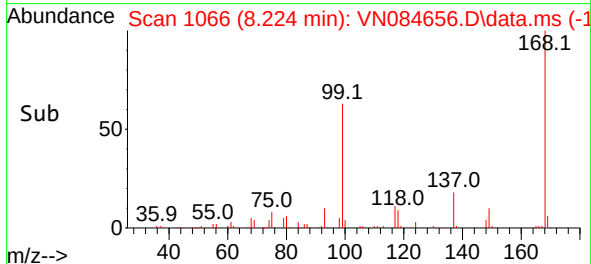
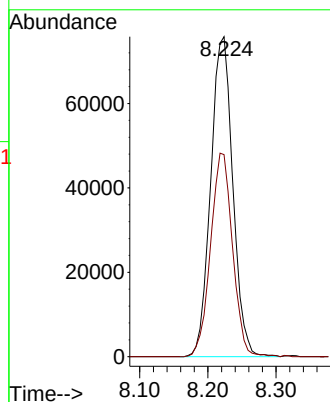
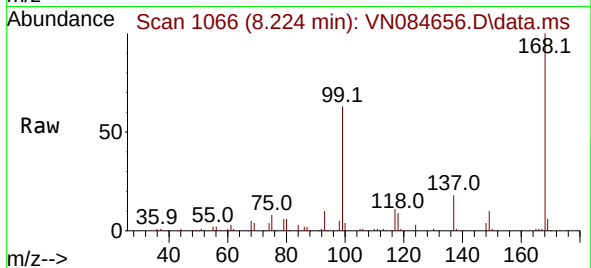




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

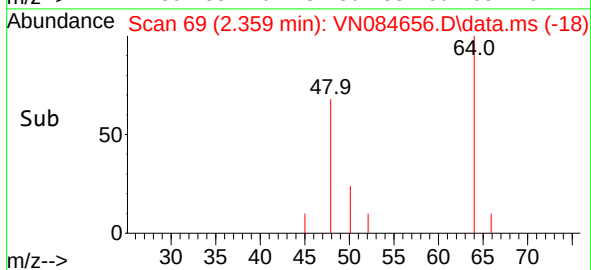
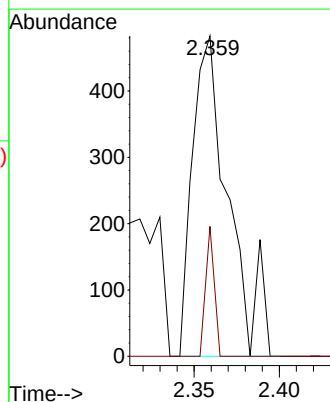
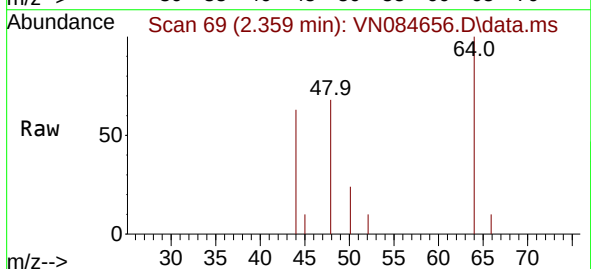
Instrument :
MSVOA_N
ClientSampleId :

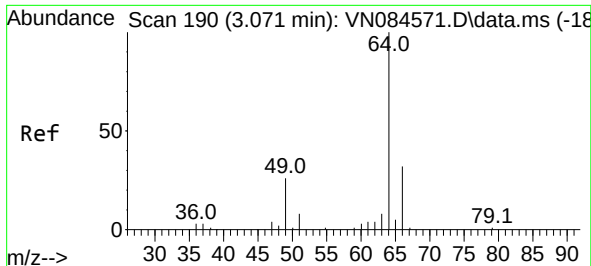
Tgt Ion:168 Resp: 171220
Ion Ratio Lower Upper
168 100
99 63.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Tgt Ion: 50 Resp: 713
Ion Ratio Lower Upper
50 100
52 40.6 26.8 40.2#

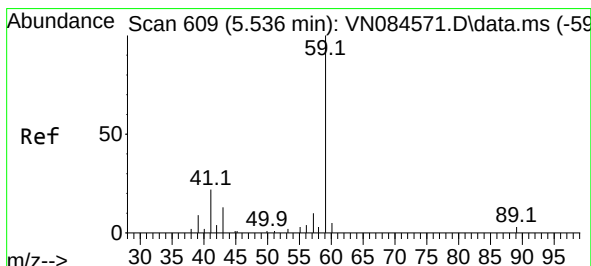
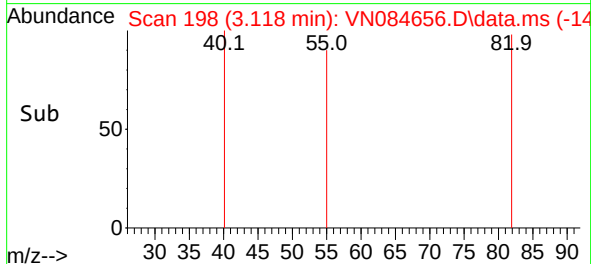
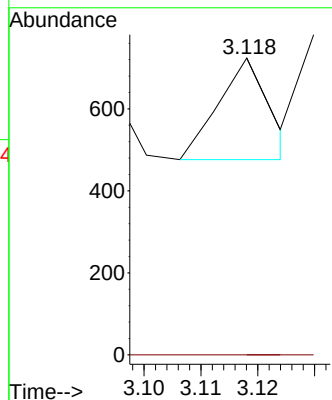
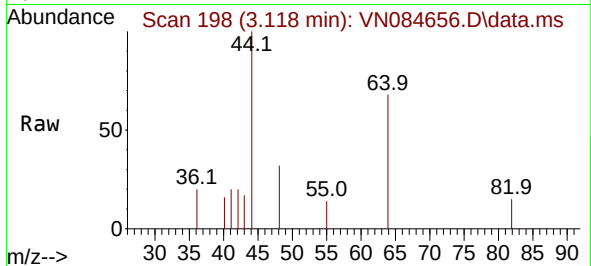




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

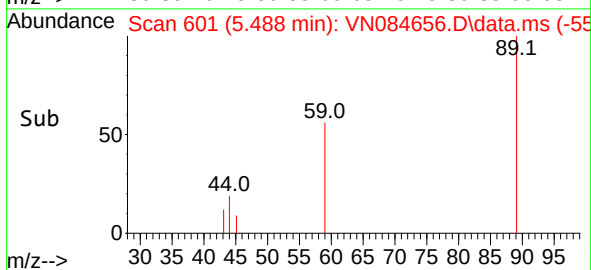
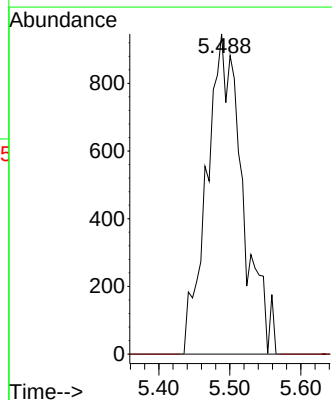
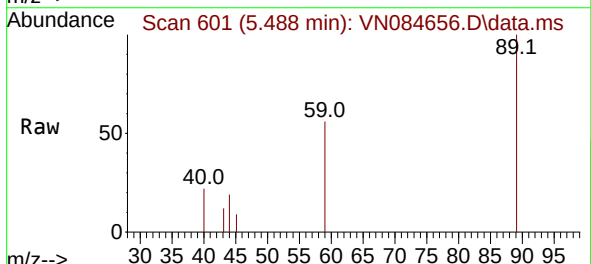
Instrument :
MSVOA_N
ClientSampleId :

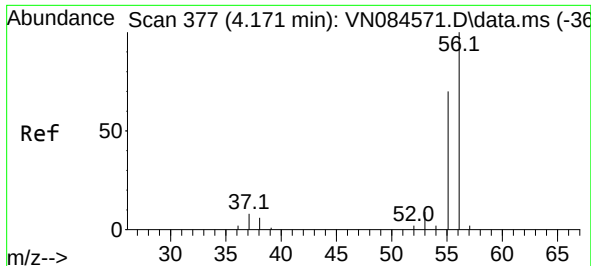
Tgt Ion: 64 Resp: 154
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 10.155 ug/l
RT: 5.488 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

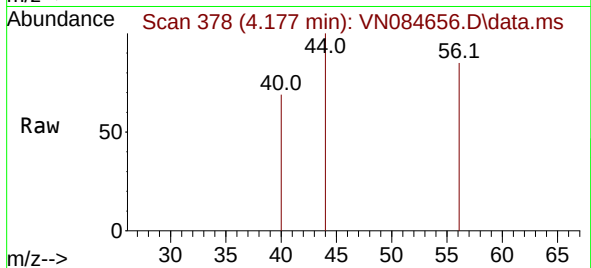
Tgt Ion: 59 Resp: 3315
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



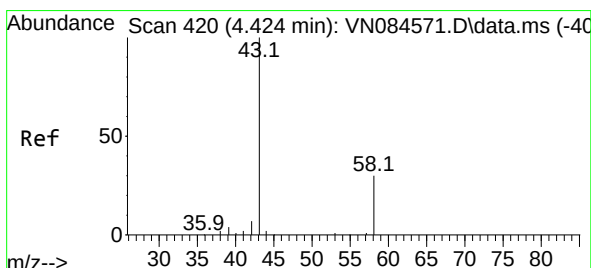
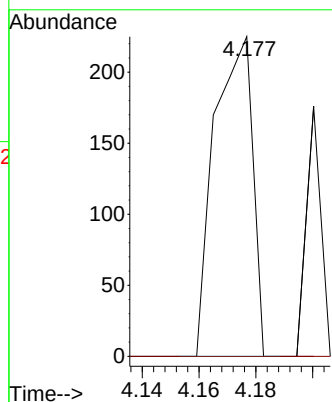
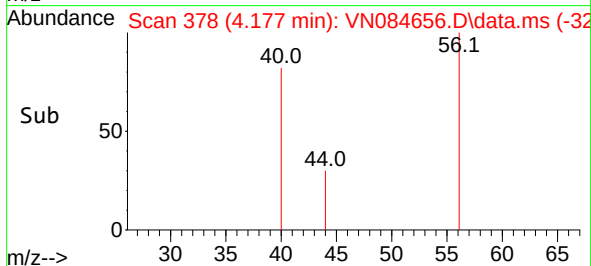


#13
Acrolein
Concen: 0.642 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :

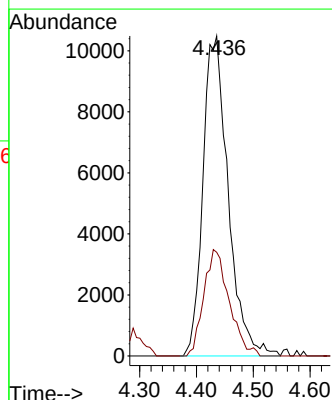
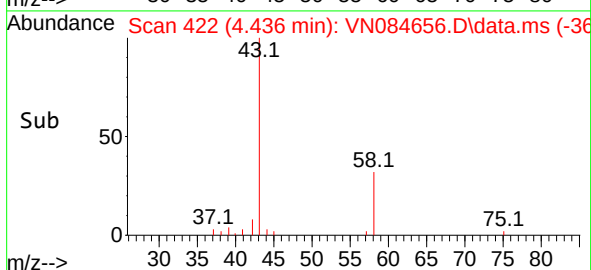
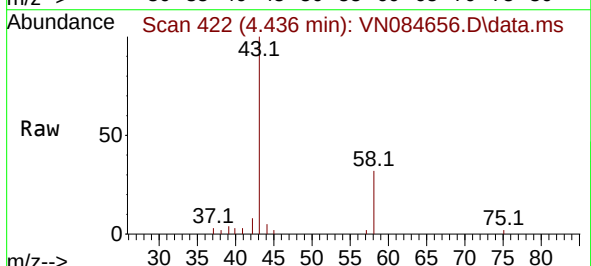


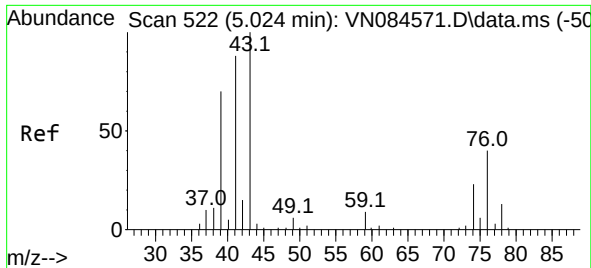
Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 42.795 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Tgt Ion: 43 Resp: 32260
Ion Ratio Lower Upper
43 100
58 32.4 24.4 36.6

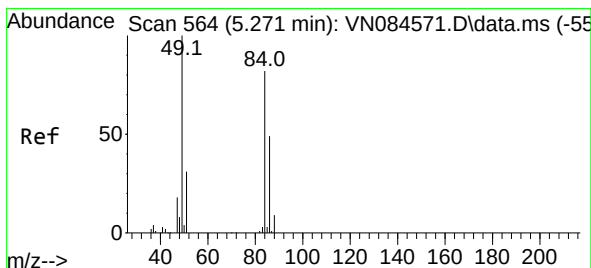
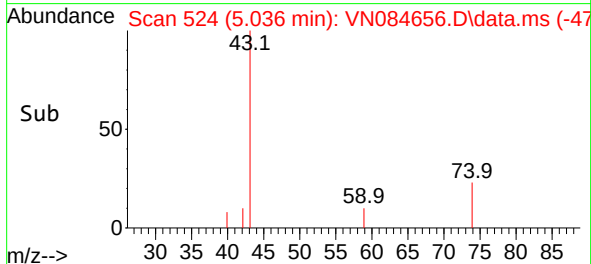
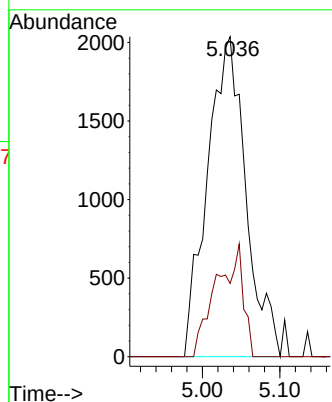
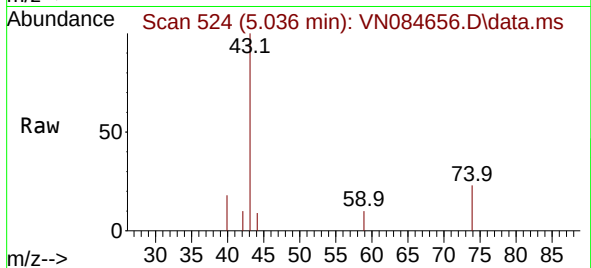




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

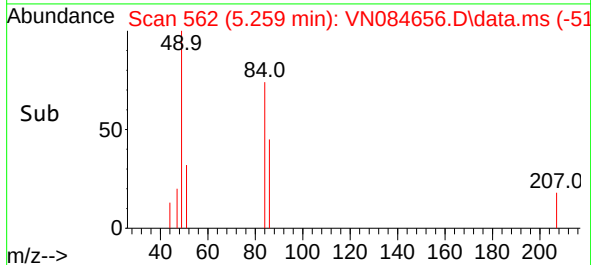
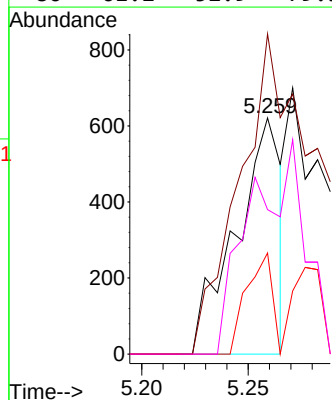
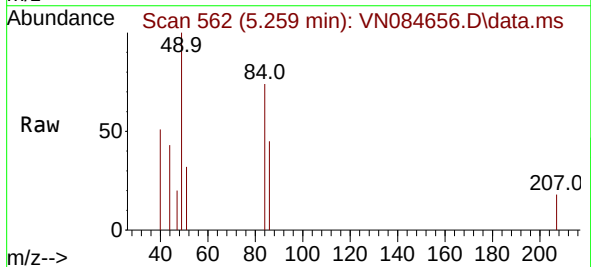
Instrument :
MSVOA_N
ClientSampleId :

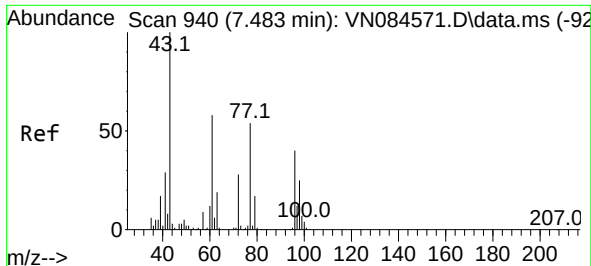
Tgt Ion: 43 Resp: 7018
Ion Ratio Lower Upper
43 100
74 15.4 19.2 28.8#



#20
Methylene Chloride
Concen: 0.423 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

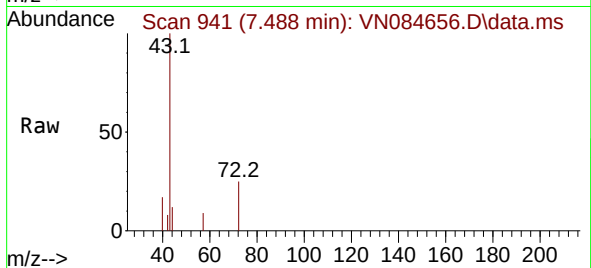
Tgt Ion: 84 Resp: 920
Ion Ratio Lower Upper
84 100
49 135.6 107.2 160.8
51 42.8 31.8 47.8
86 61.2 52.9 79.3



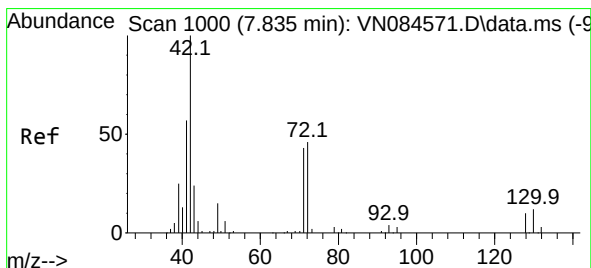
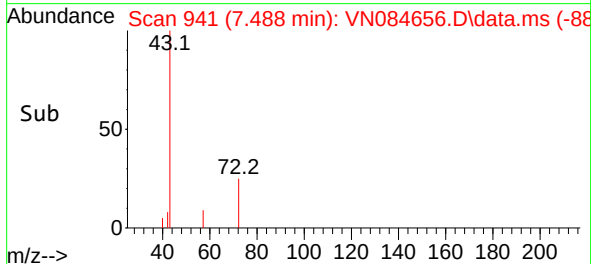
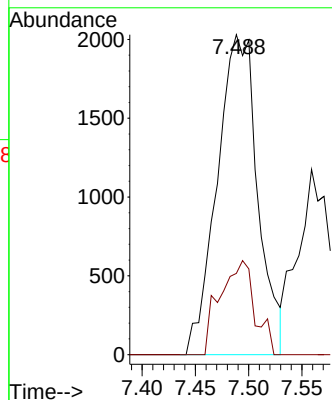


#25
2-Butanone
Concen: 4.670 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :

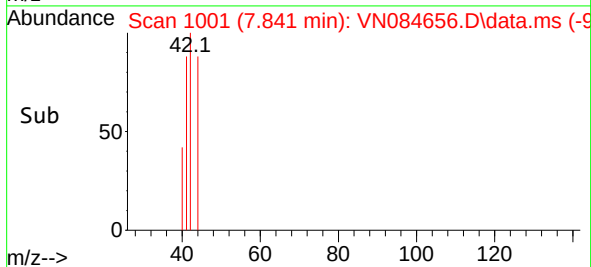
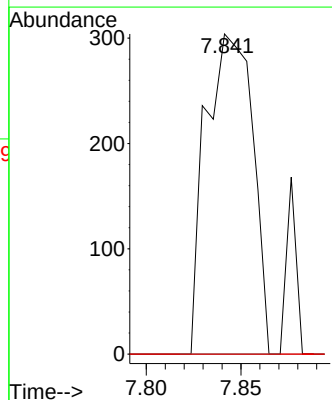
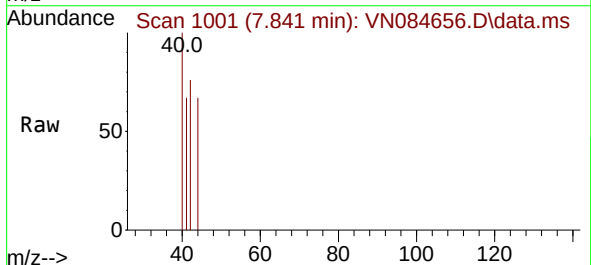


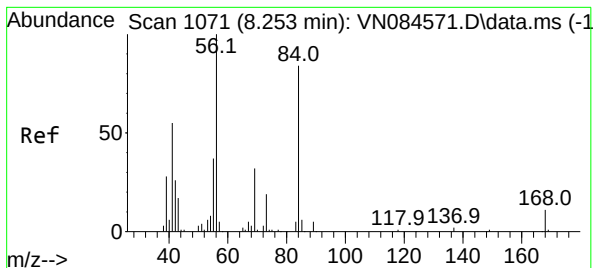
Tgt Ion: 43 Resp: 5388
Ion Ratio Lower Upper
43 100
72 25.4 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.686 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Tgt Ion: 42 Resp: 525
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

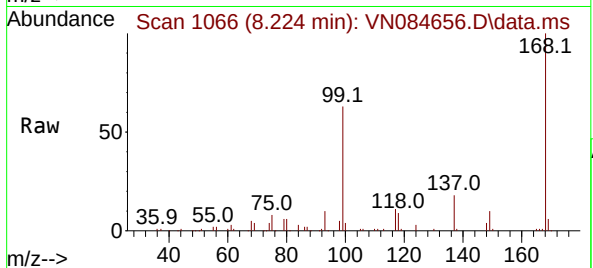
Lab File: VN084656.D

Acq: 04 Nov 2024 14:41

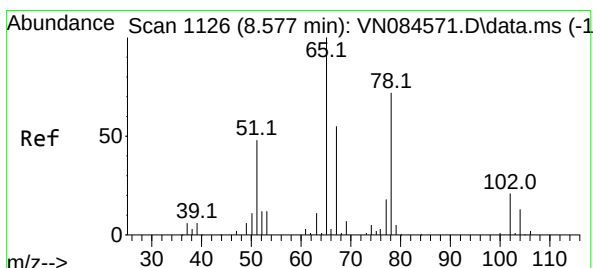
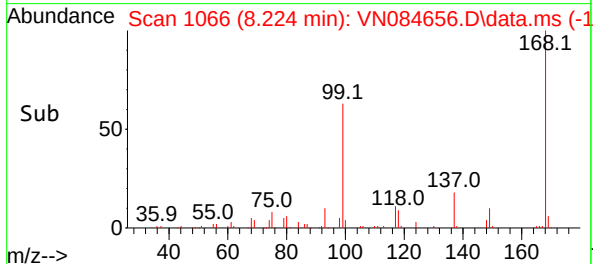
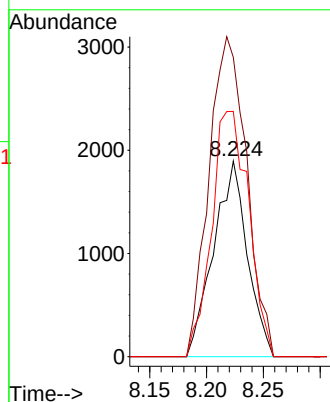
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 3911
Ion Ratio	Lower Upper
56	100
69	153.0 23.8 35.6#
84	125.4 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 49.637 ug/l

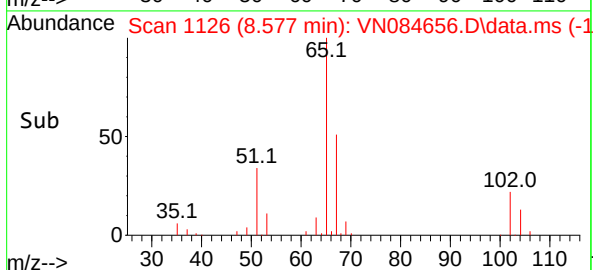
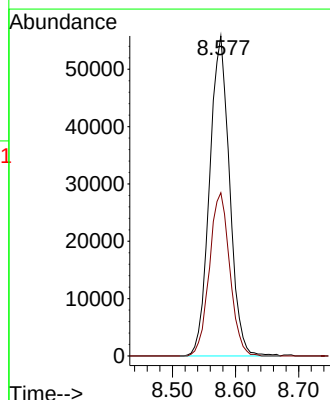
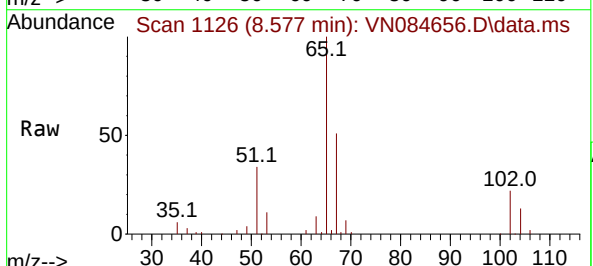
RT: 8.577 min Scan# 1126

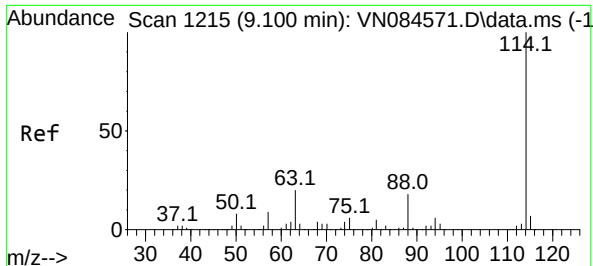
Delta R.T. -0.000 min

Lab File: VN084656.D

Acq: 04 Nov 2024 14:41

Tgt Ion: 65	Resp: 122752
Ion Ratio	Lower Upper
65	100
67	52.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084656.D

Acq: 04 Nov 2024 14:41

Instrument :

MSVOA_N

ClientSampleId :

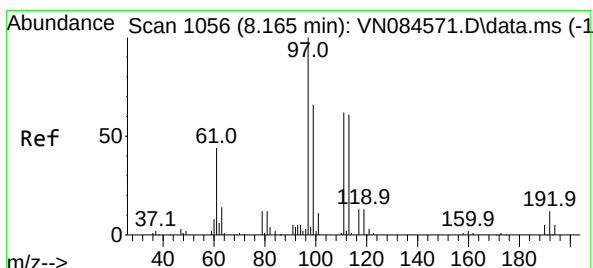
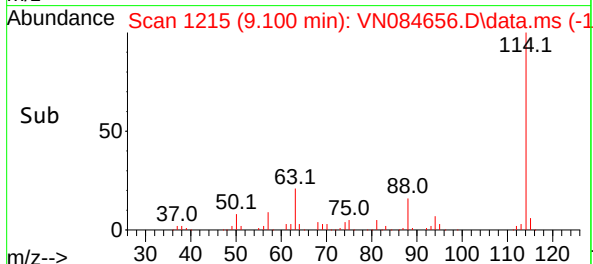
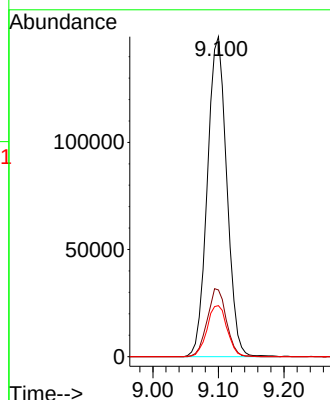
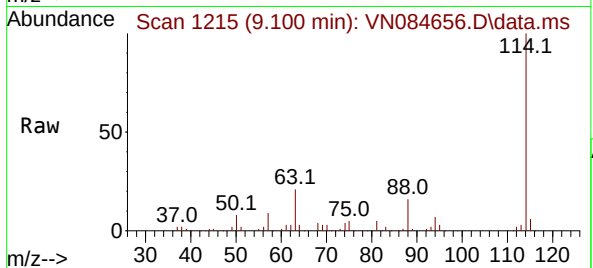
Tgt Ion:114 Resp: 307043

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.735 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084656.D

Acq: 04 Nov 2024 14:41

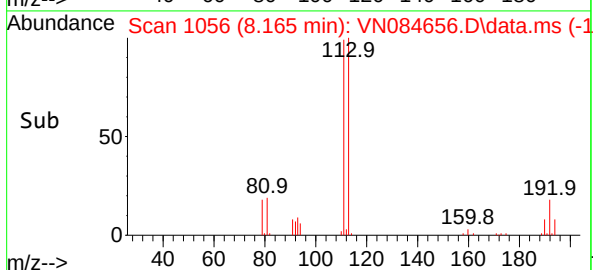
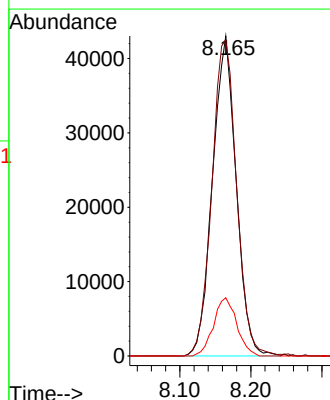
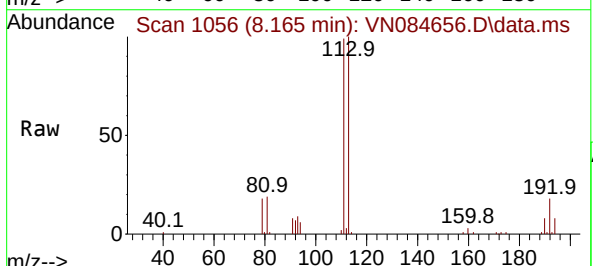
Tgt Ion:113 Resp: 99208

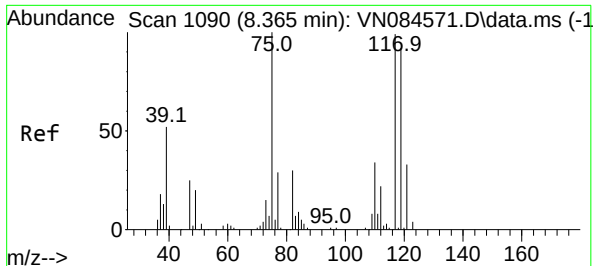
Ion Ratio Lower Upper

113 100

111 103.2 83.3 124.9

192 17.9 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.056 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

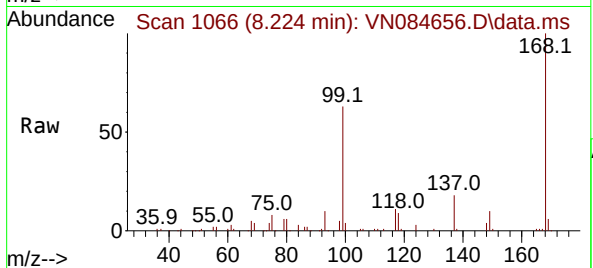
Lab File: VN084656.D

Acq: 04 Nov 2024 14:41

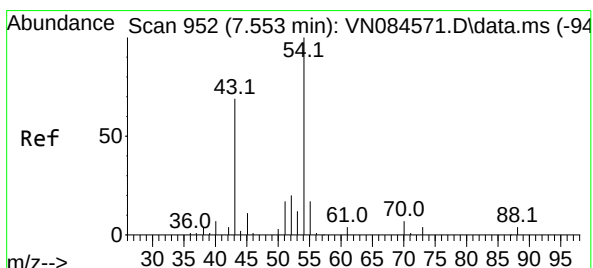
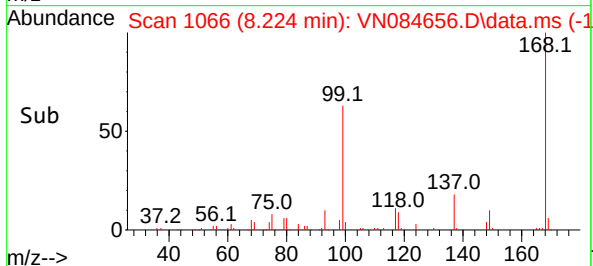
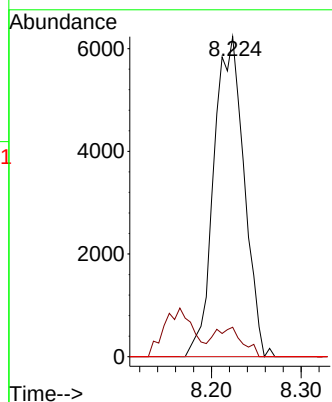
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14572
Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 1.079 ug/l

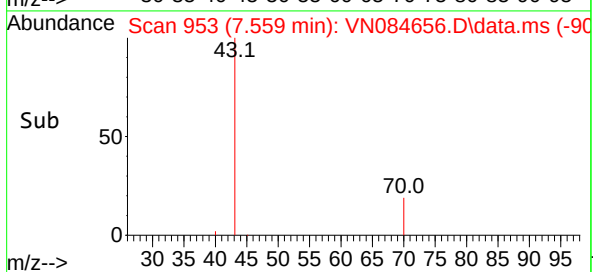
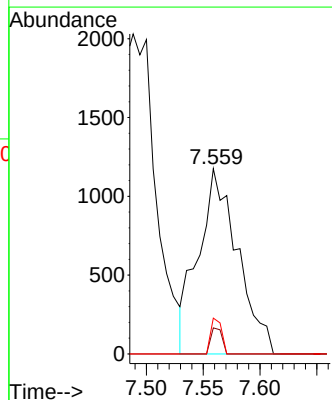
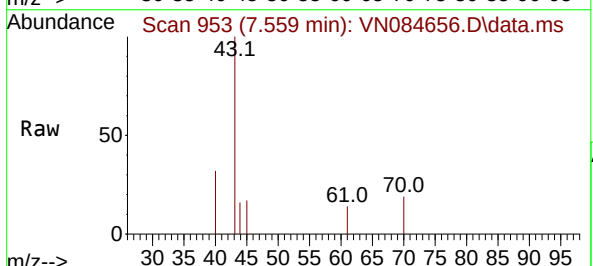
RT: 7.559 min Scan# 953

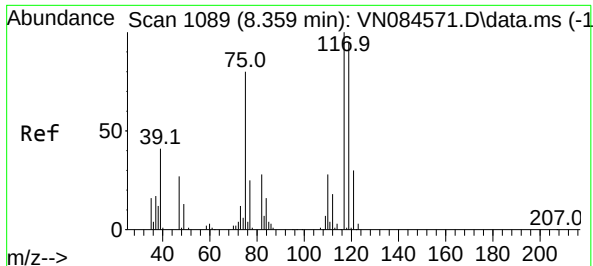
Delta R.T. -0.000 min

Lab File: VN084656.D

Acq: 04 Nov 2024 14:41

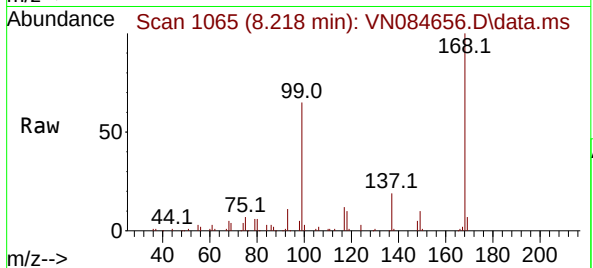
Tgt Ion:	43	Resp:	2823
Ion	Ratio	Lower	Upper
43	100		
61	4.0	10.7	16.1#
70	5.3	8.8	13.2#



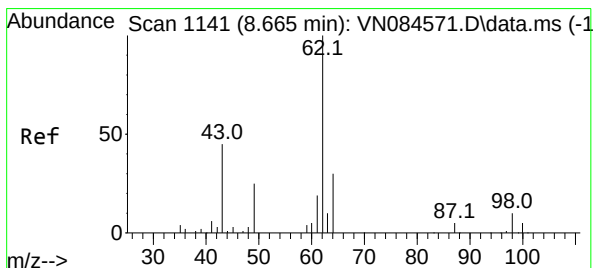
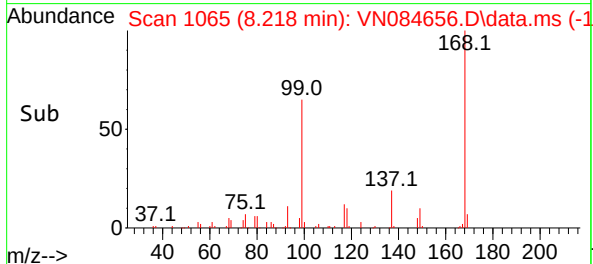
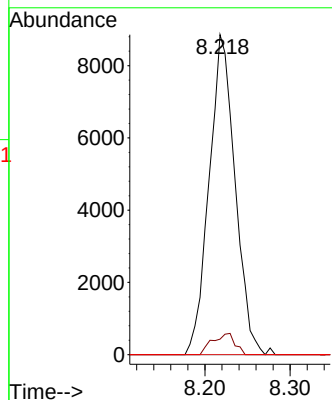


#38
Carbon Tetrachloride
Concen: 5.831 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :

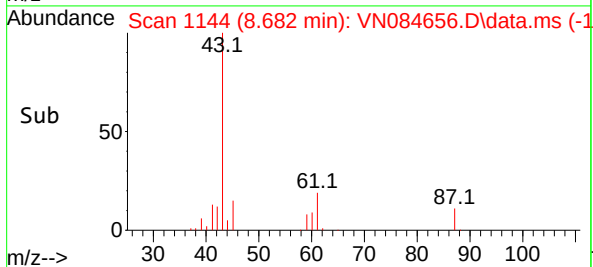
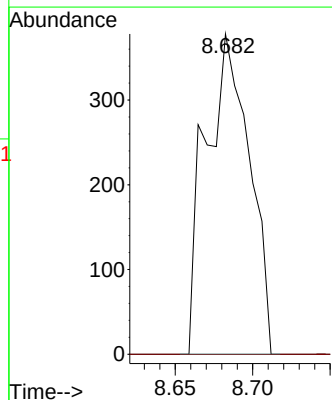
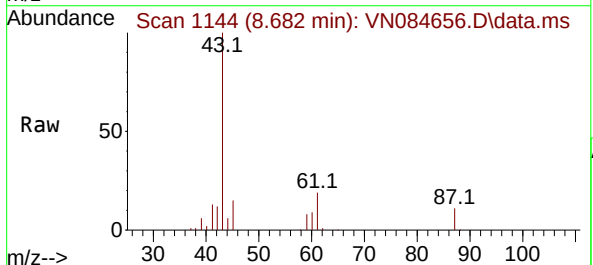


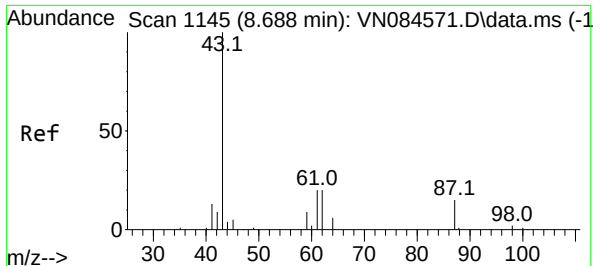
Tgt Ion:117 Resp: 18785
Ion Ratio Lower Upper
117 100
119 4.9 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.247 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Tgt Ion: 62 Resp: 741
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

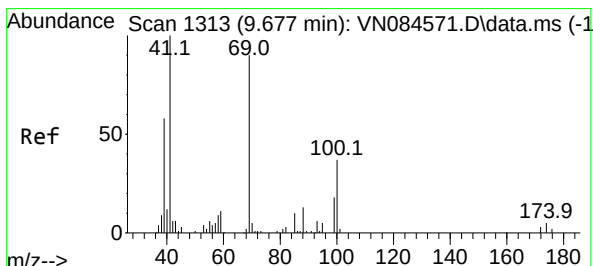
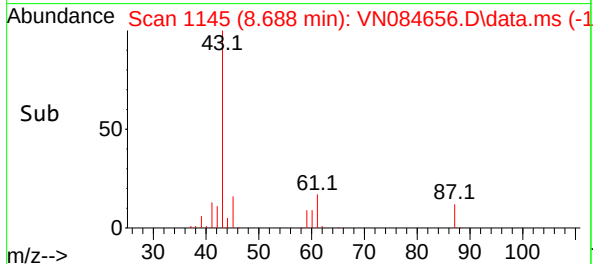
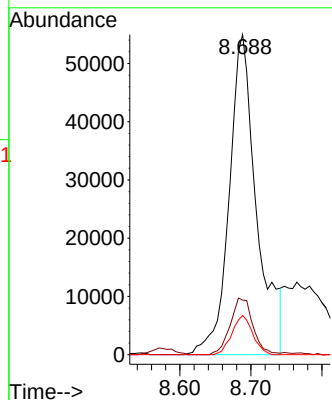
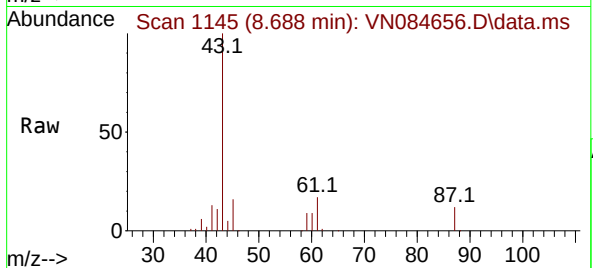




#43
Isopropyl Acetate
Concen: 30.225 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

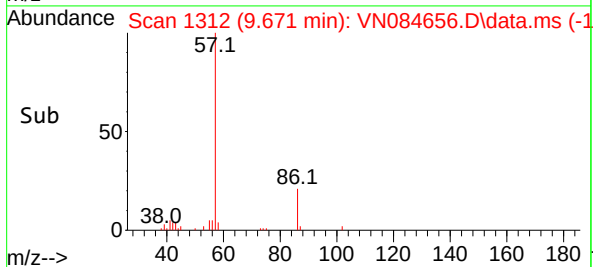
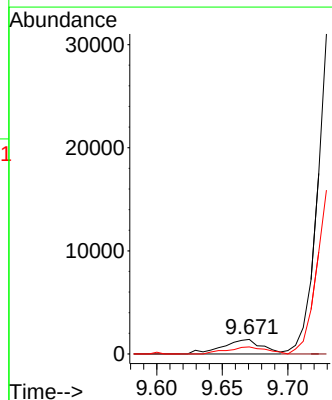
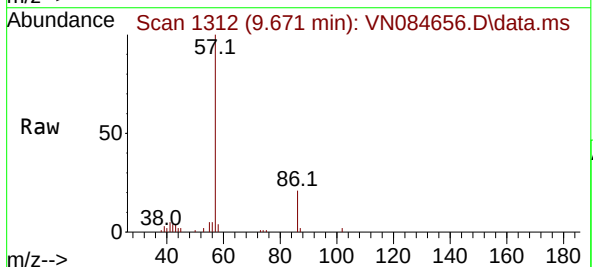
Instrument :
MSVOA_N
ClientSampleId :

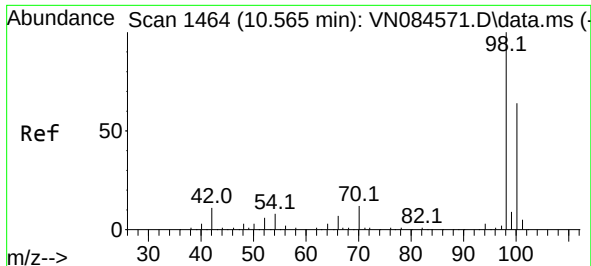
Tgt Ion: 43 Resp: 147871
Ion Ratio Lower Upper
43 100
61 14.6 20.4 30.6#
87 9.2 10.3 15.5#



#48
Methyl methacrylate
Concen: 1.444 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Tgt Ion: 41 Resp: 2939
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 48.2 45.8 68.6

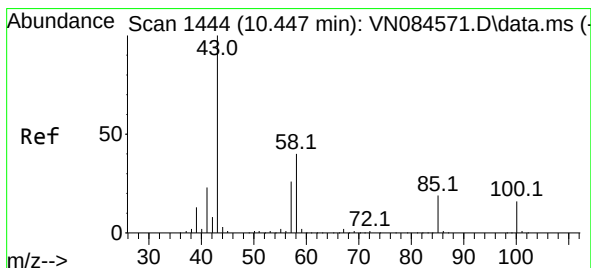
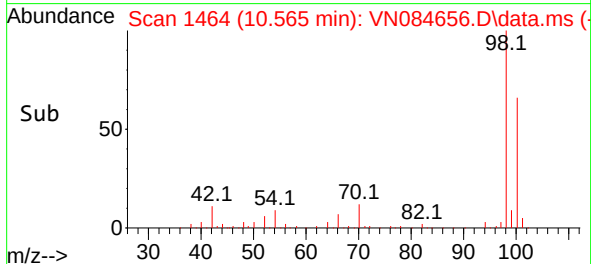
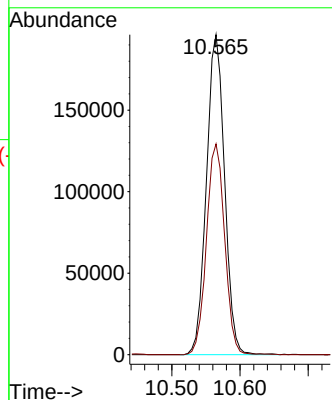
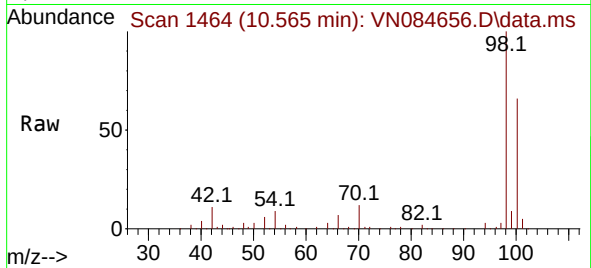




#50
Toluene-d8
Concen: 47.389 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

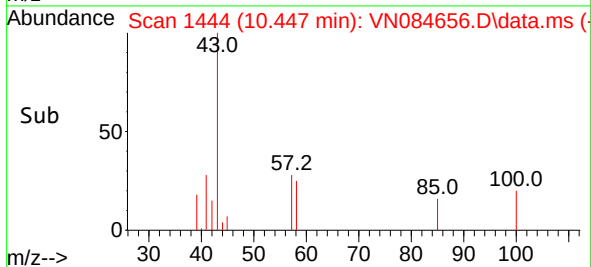
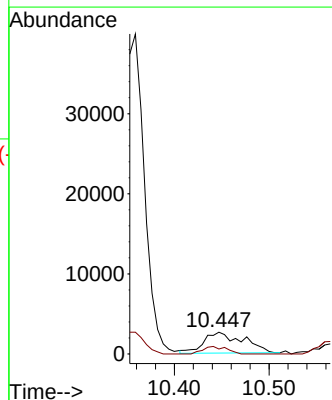
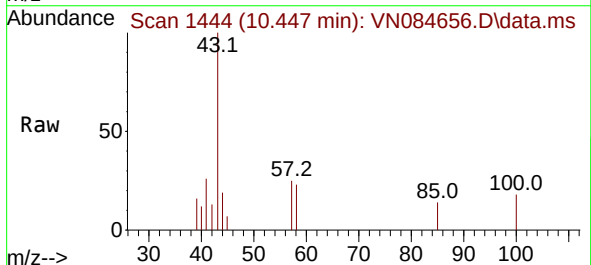
Instrument :
MSVOA_N
ClientSampleId :

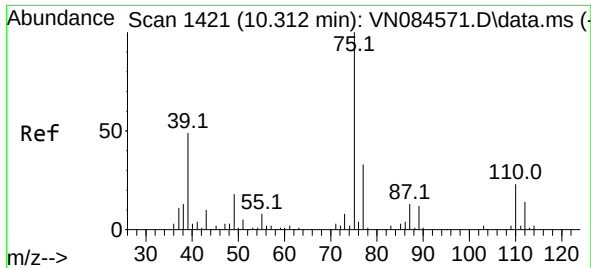
Tgt Ion: 98 Resp: 362803
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.034 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Tgt Ion: 43 Resp: 7565
Ion Ratio Lower Upper
43 100
58 21.6 31.6 47.4#

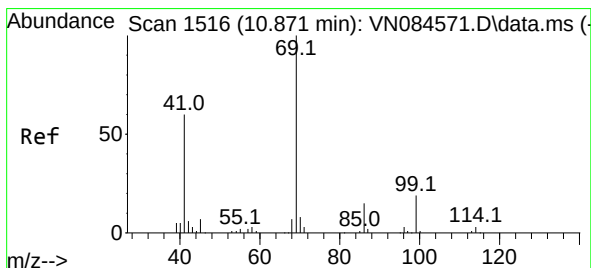
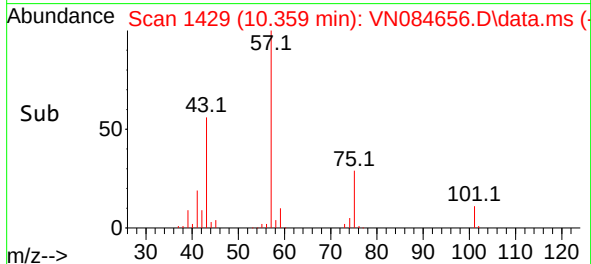
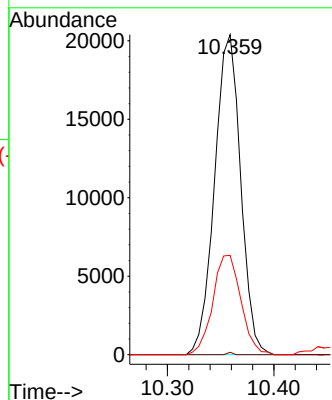
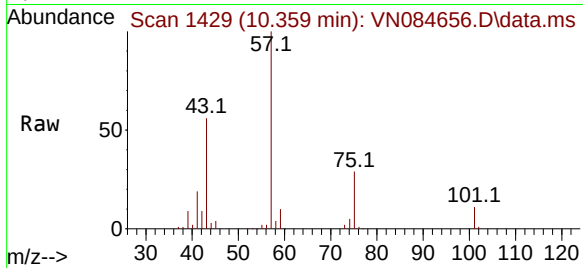




#54
 cis-1,3-Dichloropropene
 Concen: 9.776 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084656.D
 Acq: 04 Nov 2024 14:41

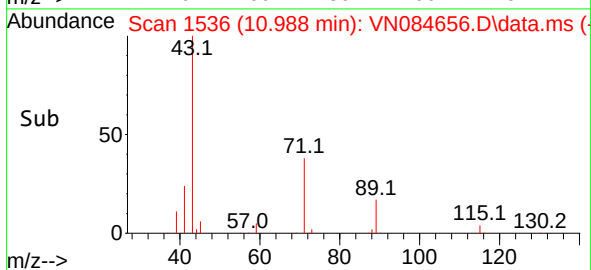
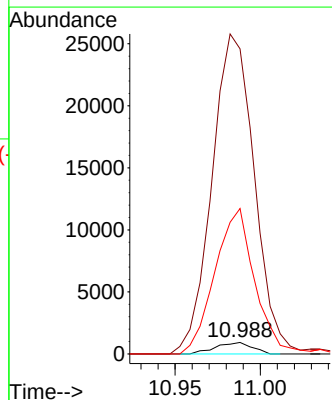
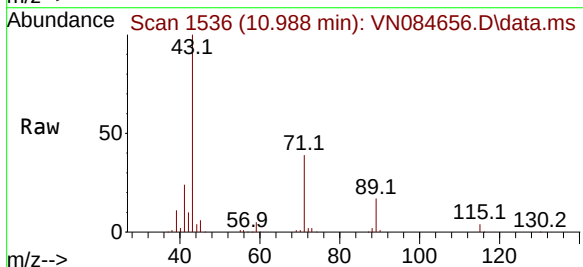
Instrument :
 MSVOA_N
 ClientSampleId :

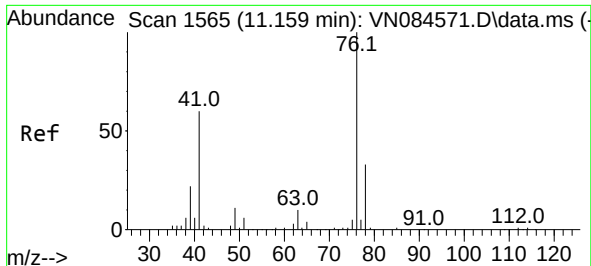
Tgt Ion: 75 Resp: 34592
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.2 36.2#
 39 31.1 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.470 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084656.D
 Acq: 04 Nov 2024 14:41

Tgt Ion: 69 Resp: 1386
 Ion Ratio Lower Upper
 69 100
 41 3249.7 53.3 79.9#
 39 1390.9 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.111 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084656.D

Acq: 04 Nov 2024 14:41

Instrument :

MSVOA_N

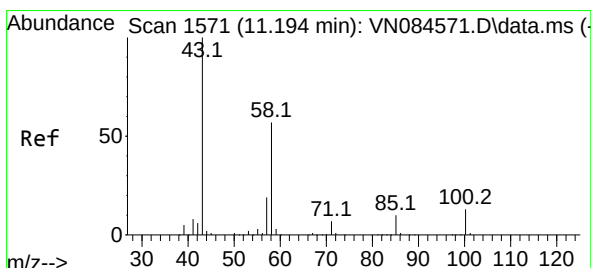
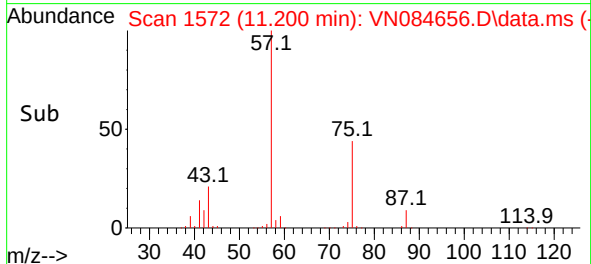
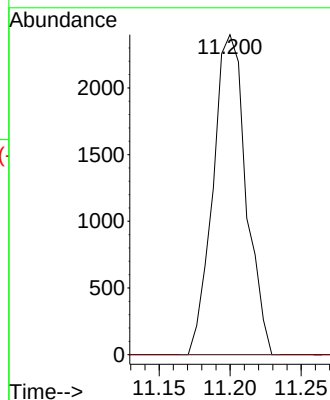
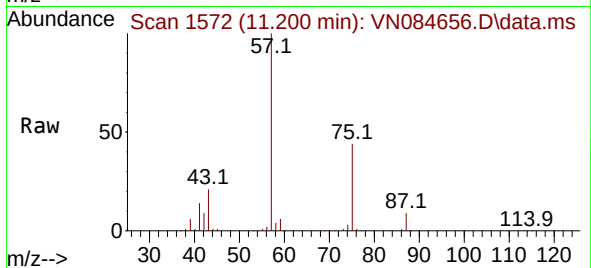
ClientSampleId :

Tgt Ion: 76 Resp: 3887

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 45.179 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084656.D

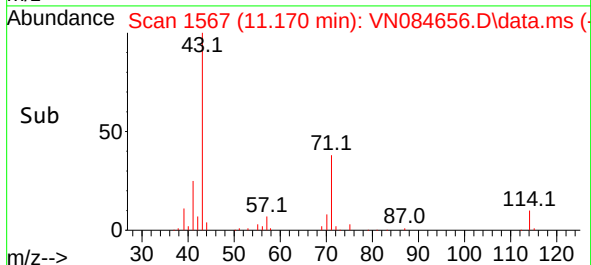
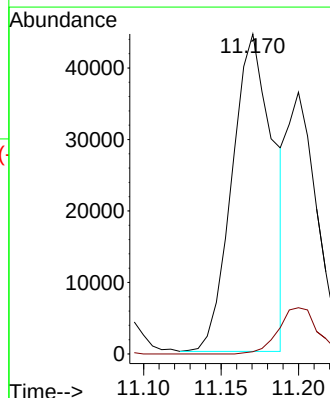
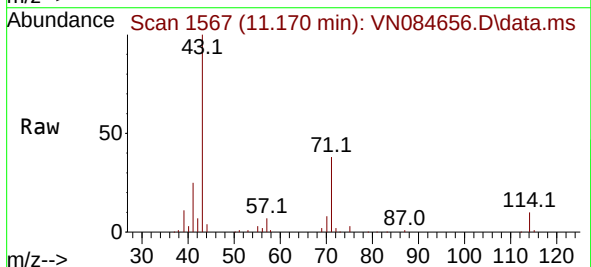
Acq: 04 Nov 2024 14:41

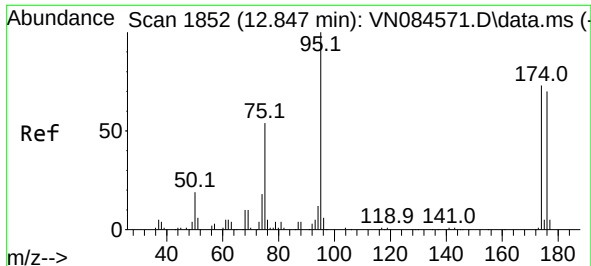
Tgt Ion: 43 Resp: 81984

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

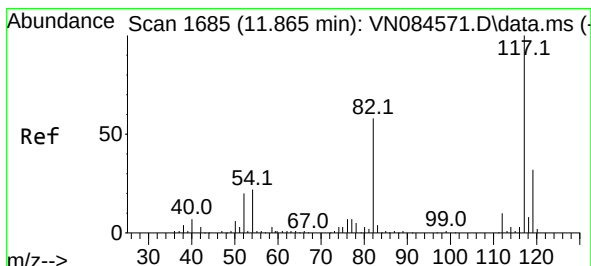
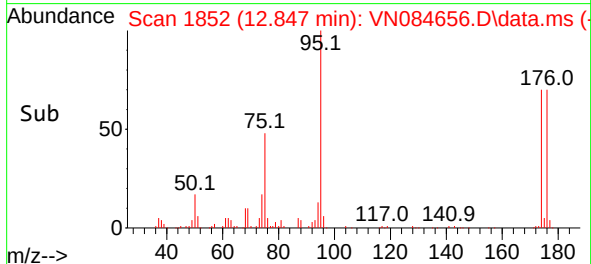
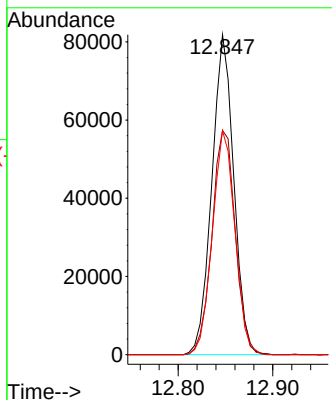
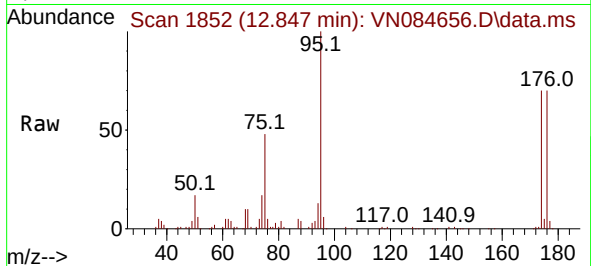




#62
4-Bromofluorobenzene
Concen: 45.981 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

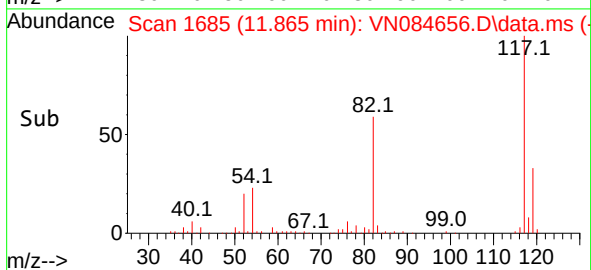
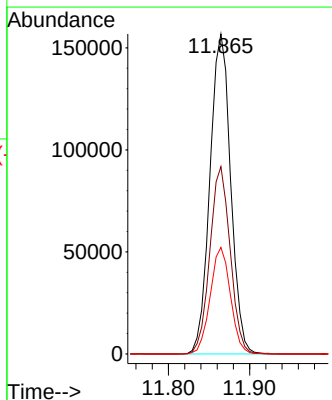
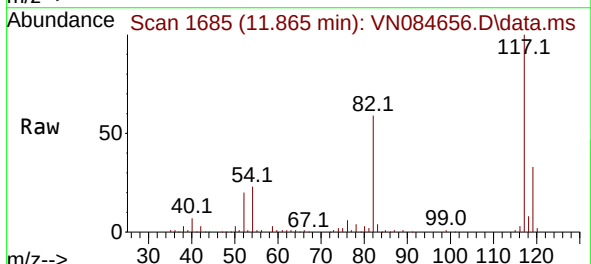
Instrument :
MSVOA_N
ClientSampleId :

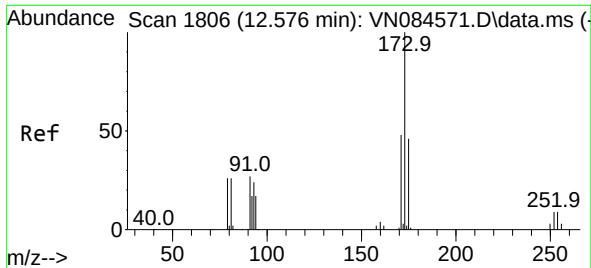
Tgt Ion: 95 Resp: 131563
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.2
176 72.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

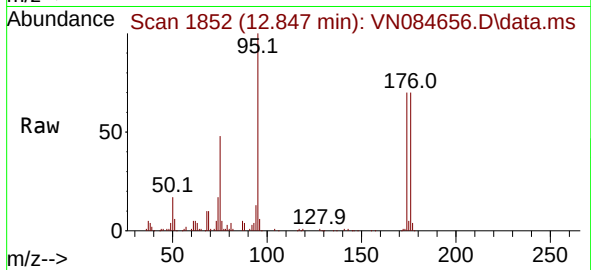
Tgt Ion: 117 Resp: 278262
Ion Ratio Lower Upper
117 100
82 58.6 47.2 70.8
119 33.3 25.4 38.0



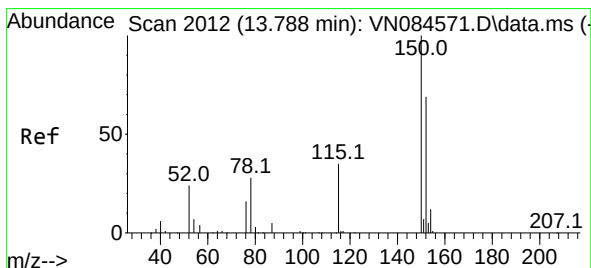
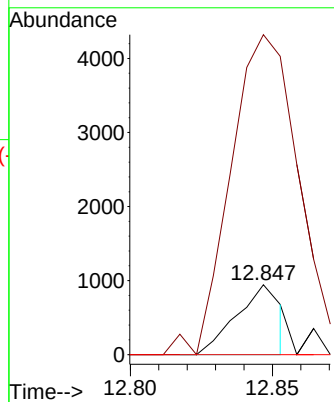
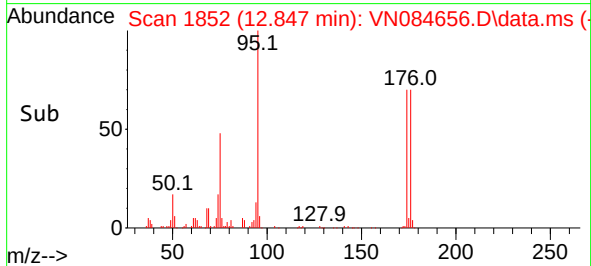


#71
Bromoform
Concen: 0.630 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :

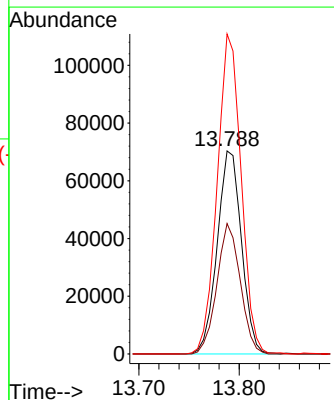
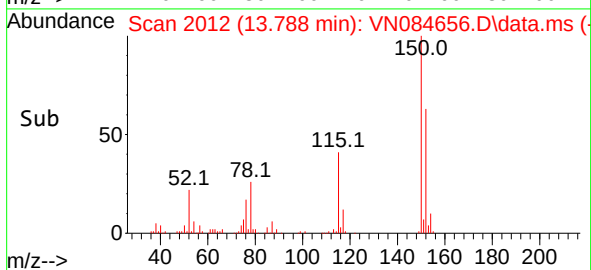
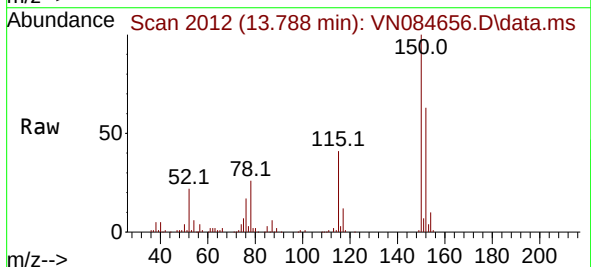


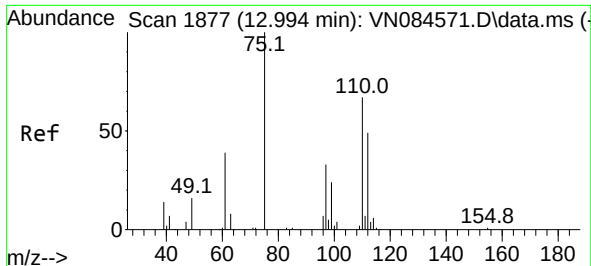
Tgt Ion:173 Resp: 1026
Ion Ratio Lower Upper
173 100
175 550.1 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Tgt Ion:152 Resp: 118312
Ion Ratio Lower Upper
152 100
115 61.7 31.3 93.9
150 155.2 0.0 349.8

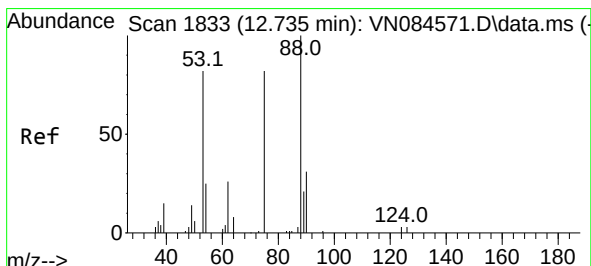
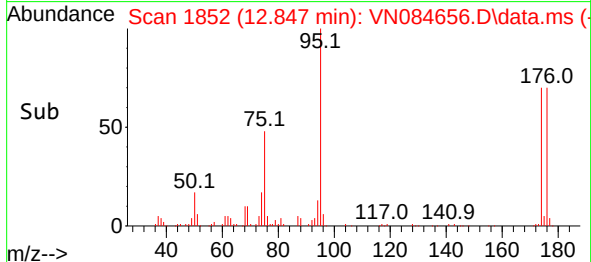
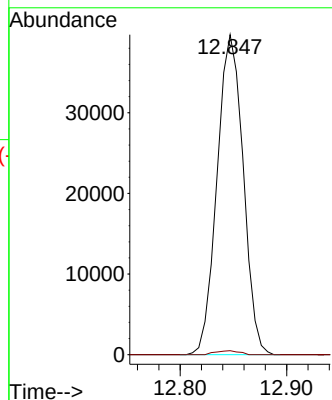
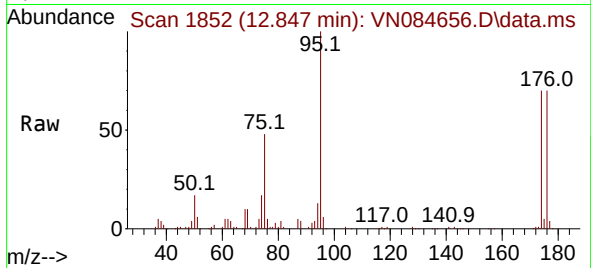




#76
1,2,3-Trichloropropane
Concen: 28.572 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

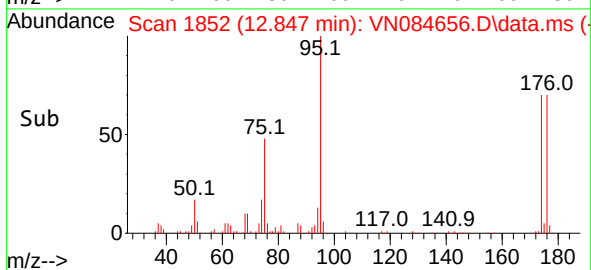
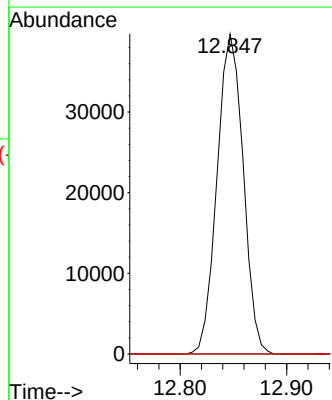
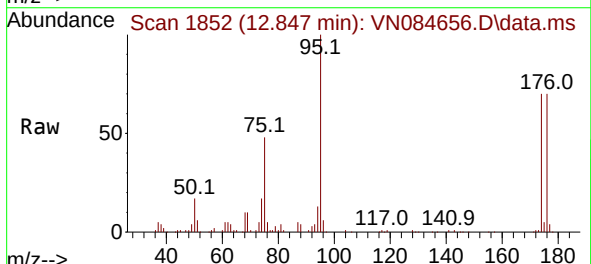
Instrument :
MSVOA_N
ClientSampleId :

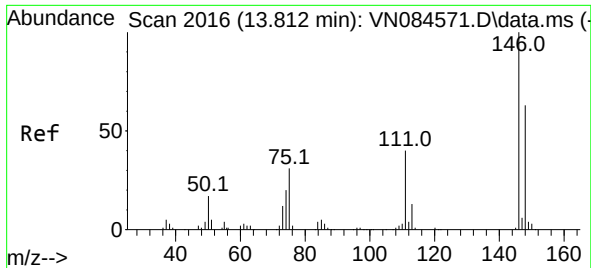
Tgt Ion: 75 Resp: 67573
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.784 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084656.D
Acq: 04 Nov 2024 14:41

Tgt Ion: 75 Resp: 67573
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.800 min Scan# 20

Delta R.T. -0.012 min

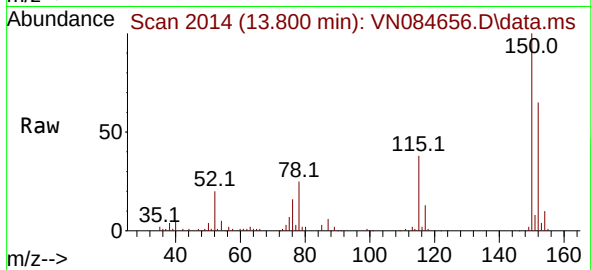
Lab File: VN084656.D

Acq: 04 Nov 2024 14:41

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 225

Ion Ratio Lower Upper

146 100

111 836.0 21.2 63.6#

148 138.2 31.9 95.9#

