

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084654.D
 Acq On : 04 Nov 2024 13:53
 Operator : JC\MD
 Sample : P4643-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

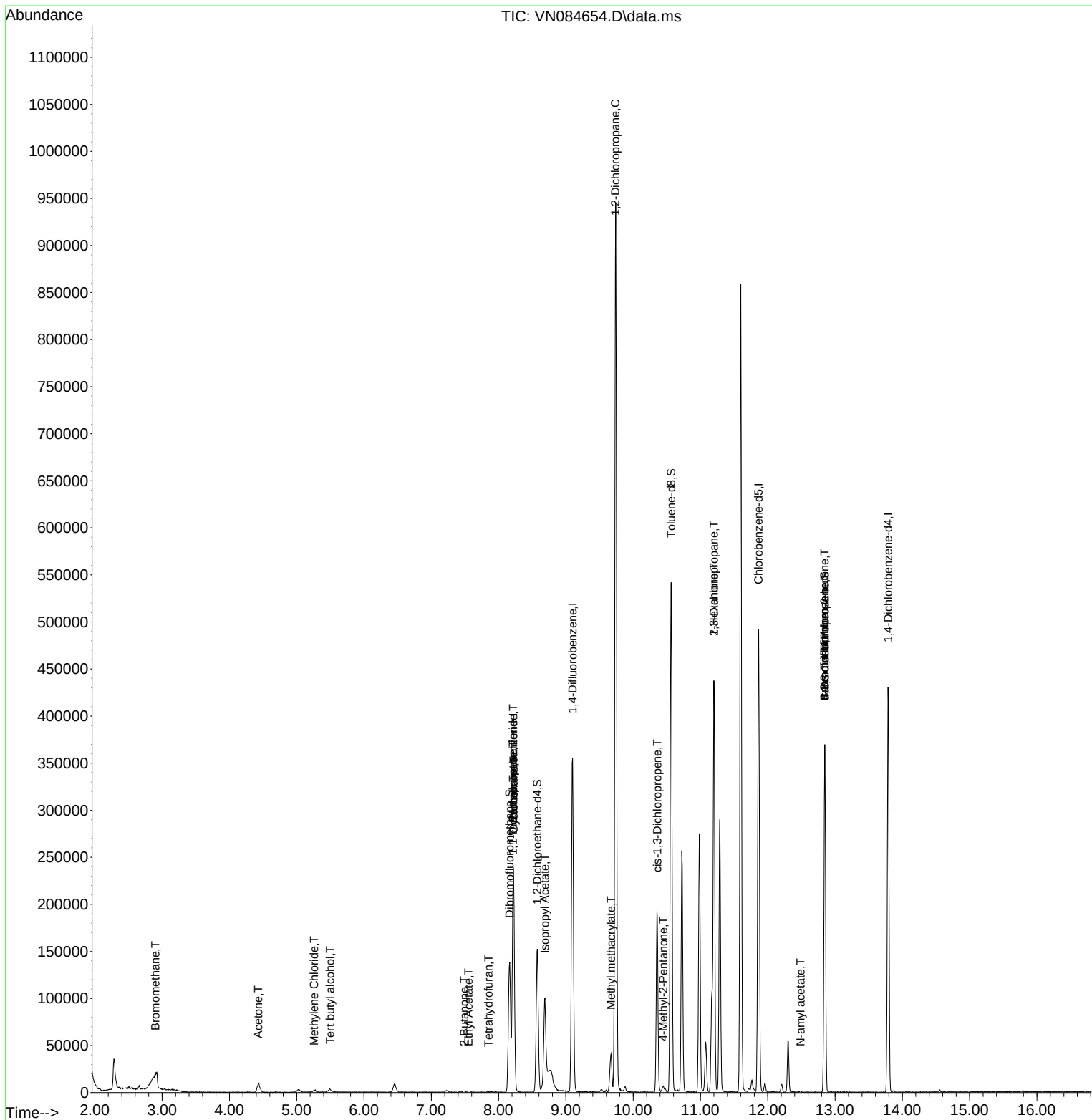
Quant Time: Nov 05 00:25:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

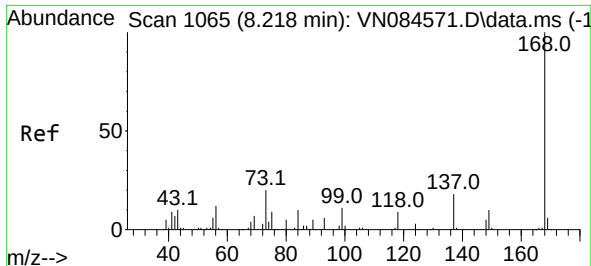
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	171283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	127838	51.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.340%			
35) Dibromofluoromethane	8.165	113	102153	48.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	10.565	98	375610	48.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.160%			
62) 4-Bromofluorobenzene	12.847	95	131655	45.560	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	706	Below Cal	#	41
5) Bromomethane	2.900	94	320	0.285	ug/l #	4
6) Chloroethane	3.142	64	55	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	3343	10.237	ug/l #	73
16) Acetone	4.430	43	18432	23.205	ug/l #	89
18) Methyl Acetate	5.036	43	6466	Below Cal	#	72
20) Methylene Chloride	5.259	84	698	0.321	ug/l #	68
25) 2-Butanone	7.488	43	2341	2.028	ug/l #	79
29) Tetrahydrofuran	7.853	42	507	0.662	ug/l #	45
31) Cyclohexane	8.224	56	3667	1.074	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	14187	4.873	ug/l #	45
37) Ethyl Acetate	7.553	43	2436	0.922	ug/l #	77
38) Carbon Tetrachloride	8.218	117	18513	5.690	ug/l #	16
43) Isopropyl Acetate	8.688	43	119770	24.045	ug/l #	88
45) 1,2-Dichloropropane	9.735	63	1186	0.541	ug/l #	44
48) Methyl methacrylate	9.671	41	2712	1.319	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	4091	1.625	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	35287	9.874	ug/l #	62
57) 1,3-Dichloropropane	11.200	76	4975	1.407	ug/l #	42
59) 2-Hexanone	11.200	43	51317	28.001	ug/l #	58
71) Bromoform	12.847	173	971	0.593	ug/l #	1
74) N-amyl acetate	12.488	43	801	0.230	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	65776	28.178	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65776	66.850	ug/l #	11
88) 1,4-Dichlorobenzene	13.817	146	438	Below Cal	#	24

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

Quant Time: Nov 05 00:25:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
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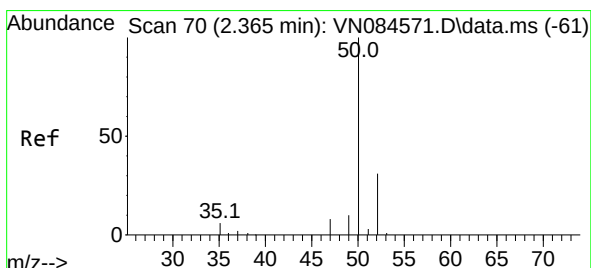
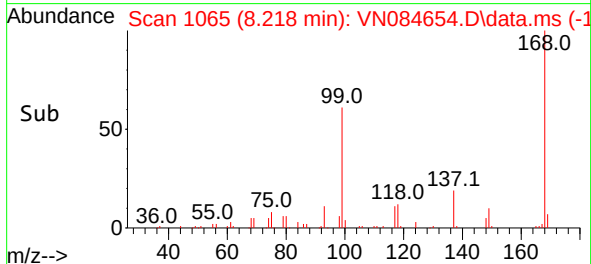
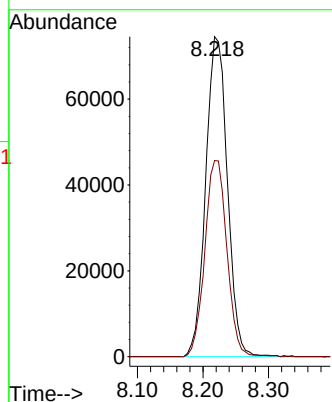
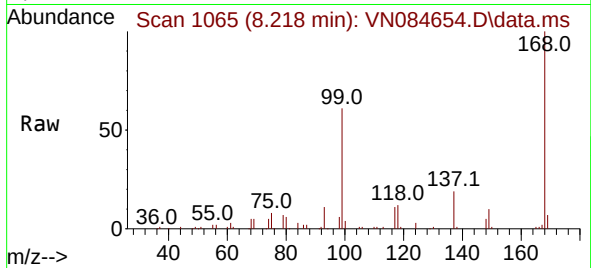




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

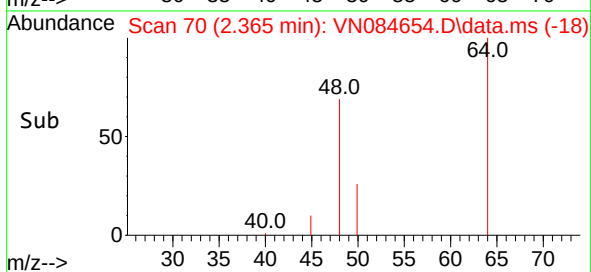
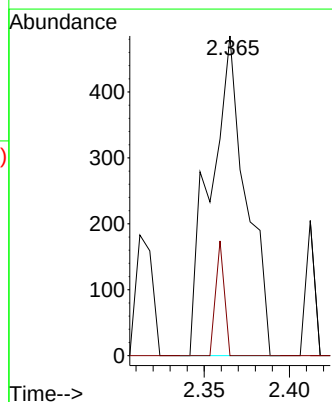
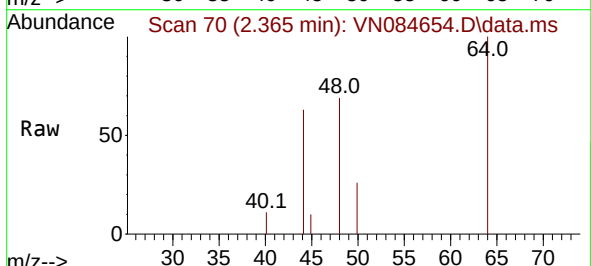
Instrument :
MSVOA_N
ClientSampleId :

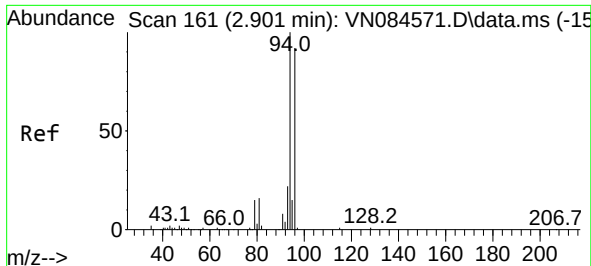
Tgt Ion:168 Resp: 171283
Ion Ratio Lower Upper
168 100
99 61.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Tgt Ion: 50 Resp: 706
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

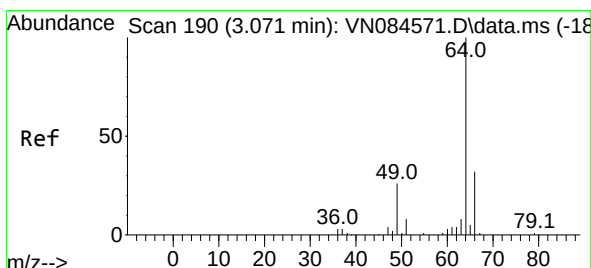
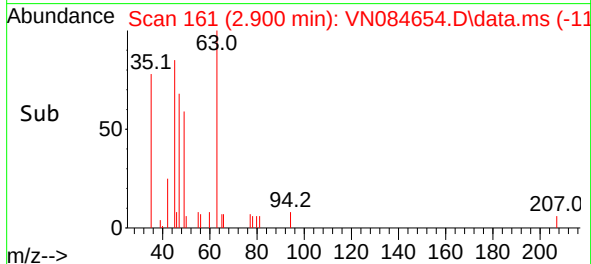
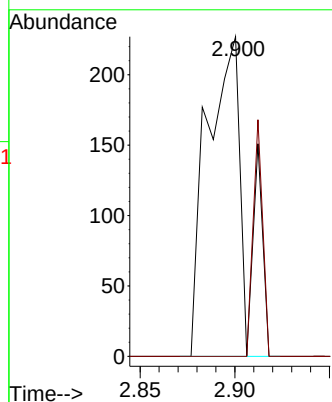
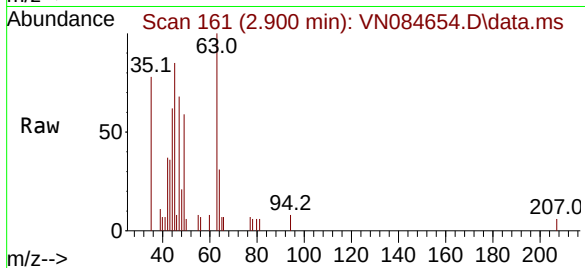




#5
Bromomethane
Concen: 0.285 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

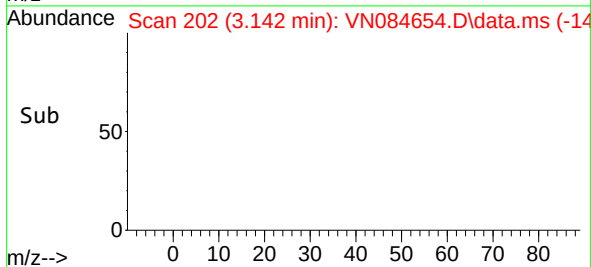
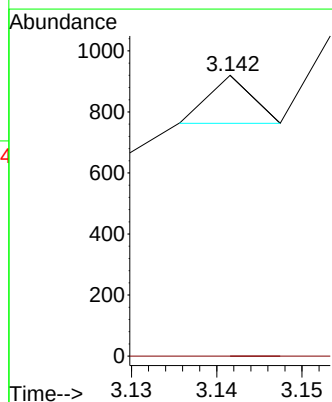
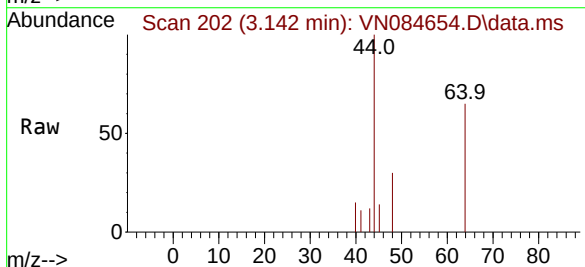
Instrument :
MSVOA_N
ClientSampleId :

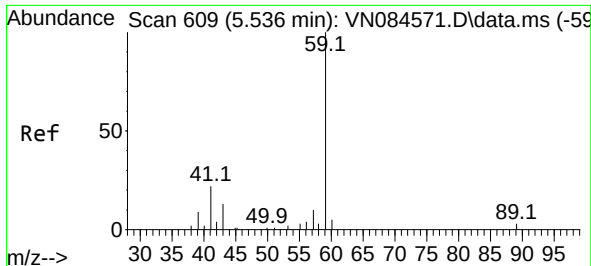
Tgt Ion: 94 Resp: 320
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#11

Tert butyl alcohol

Concen: 10.237 ug/l

RT: 5.494 min Scan# 609

Delta R.T. -0.030 min

Lab File: VN084654.D

Acq: 04 Nov 2024 13:53

Instrument :

MSVOA_N

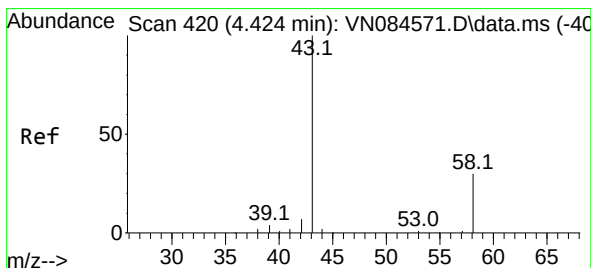
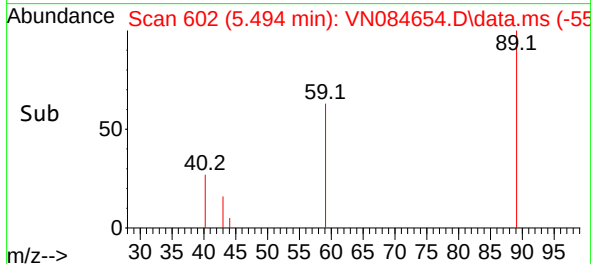
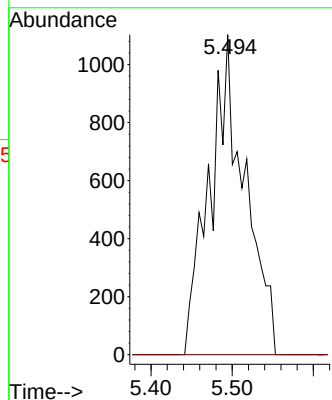
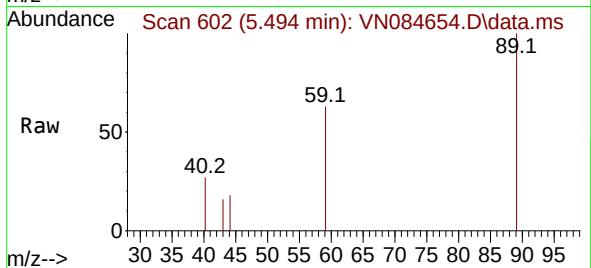
ClientSampleId :

Tgt Ion: 59 Resp: 3343

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 23.205 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN084654.D

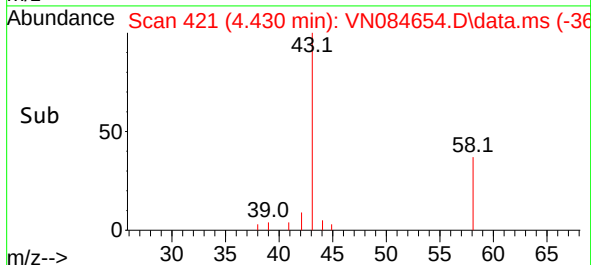
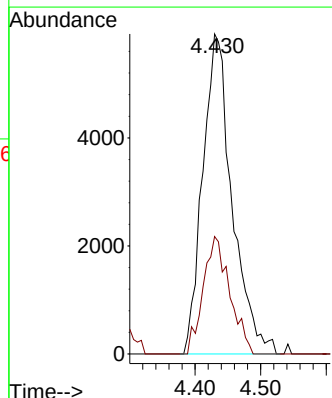
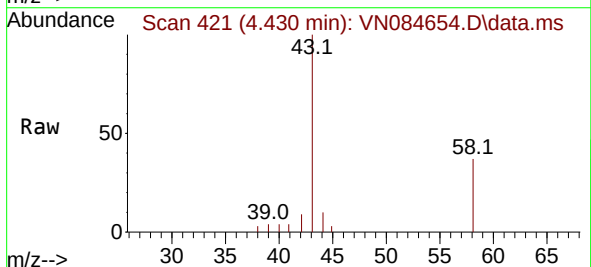
Acq: 04 Nov 2024 13:53

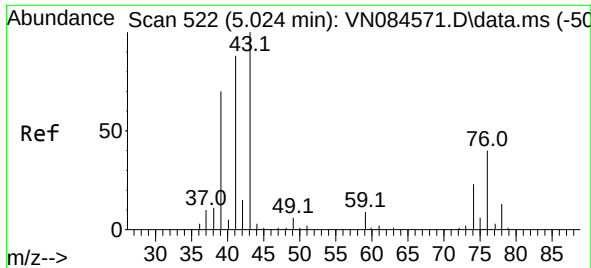
Tgt Ion: 43 Resp: 18432

Ion Ratio Lower Upper

43 100

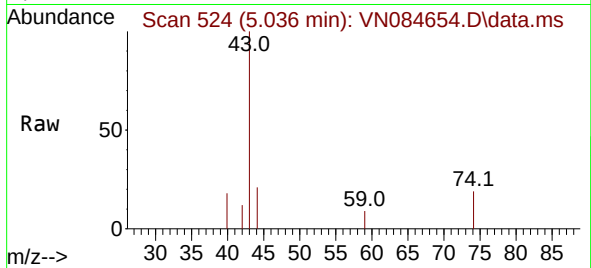
58 36.7 24.4 36.6#



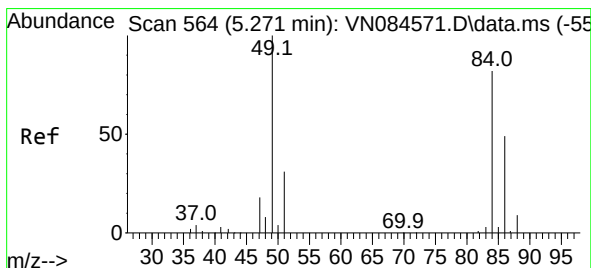
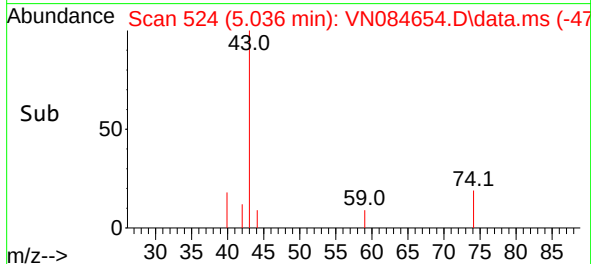
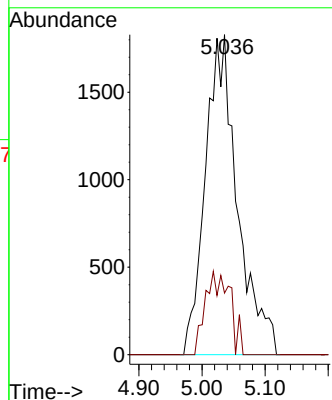


#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :

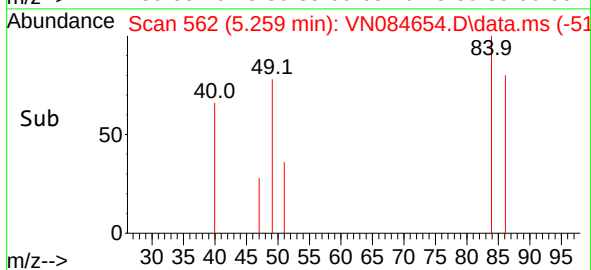
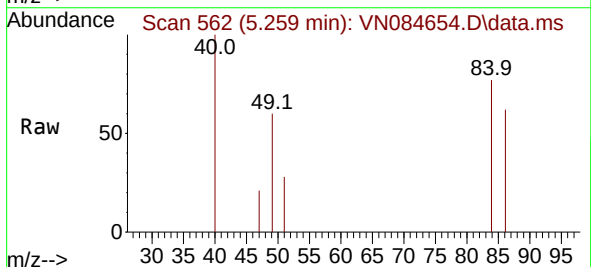
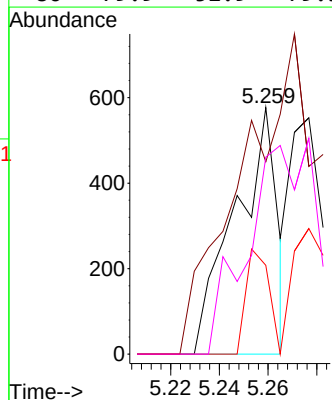


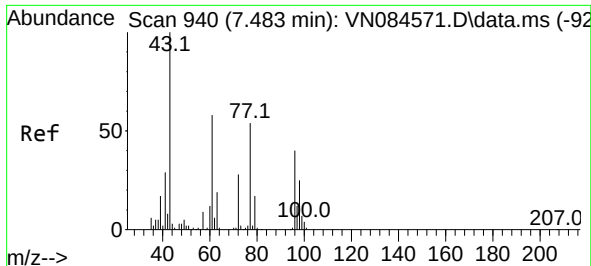
Tgt Ion: 43 Resp: 6466
Ion Ratio Lower Upper
43 100
74 10.2 19.2 28.8#



#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

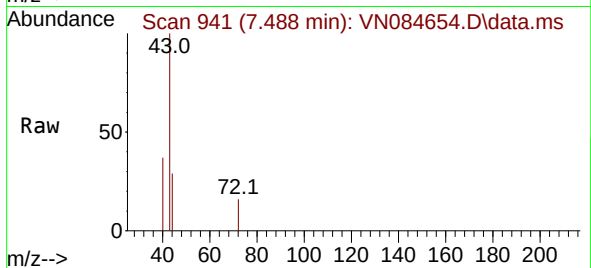
Tgt Ion: 84 Resp: 698
Ion Ratio Lower Upper
84 100
49 78.0 107.2 160.8#
51 36.0 31.8 47.8
86 79.9 52.9 79.3#



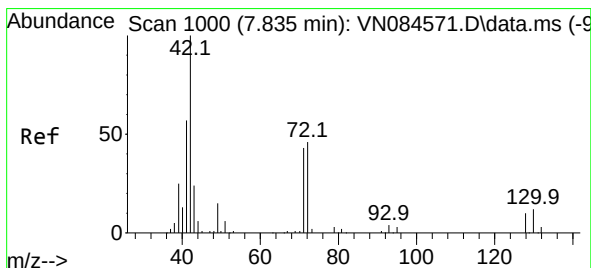
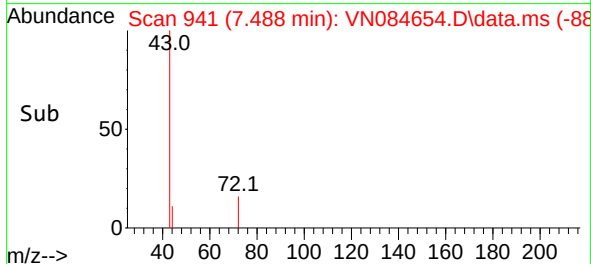
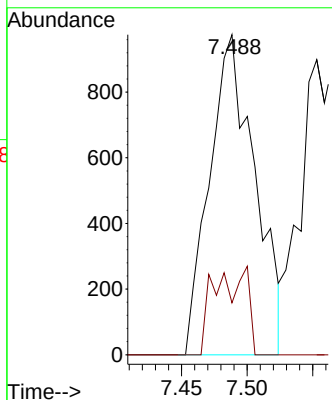


#25
2-Butanone
Concen: 2.028 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :

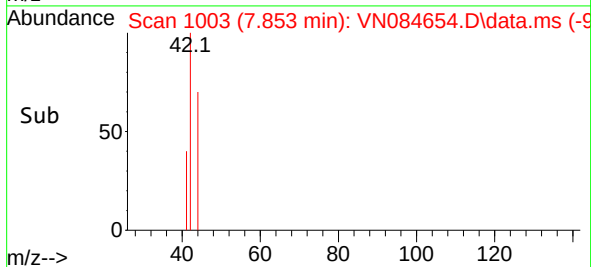
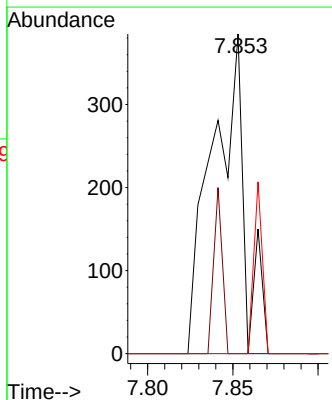
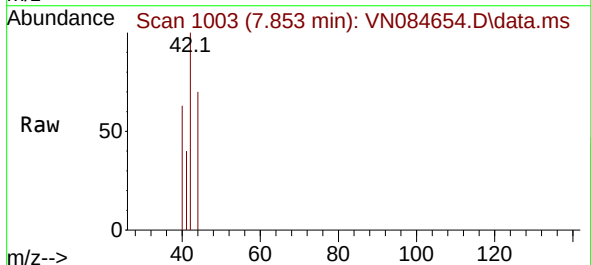


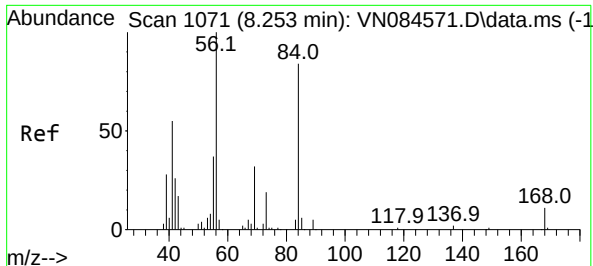
Tgt Ion: 43 Resp: 2341
Ion Ratio Lower Upper
43 100
72 16.2 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.662 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Tgt Ion: 42 Resp: 507
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 14.4 32.2 48.4#





#31

Cyclohexane

Concen: 1.074 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

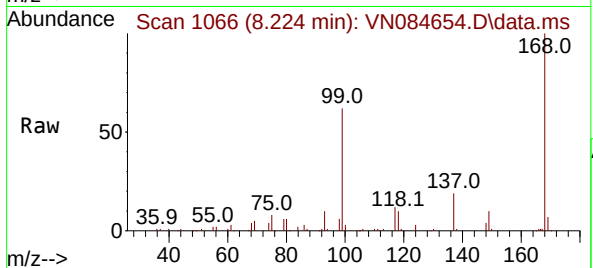
Lab File: VN084654.D

Acq: 04 Nov 2024 13:53

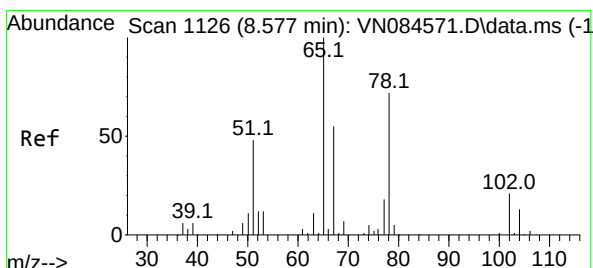
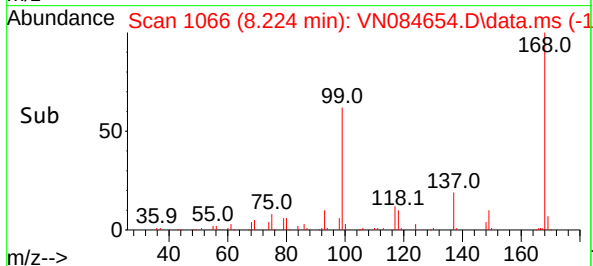
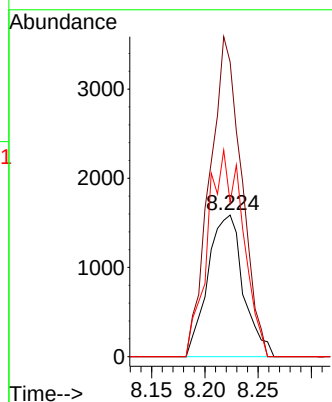
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 3667
Ion Ratio	Lower Upper
56	100
69	208.1 23.8 35.6#
84	108.9 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 51.675 ug/l

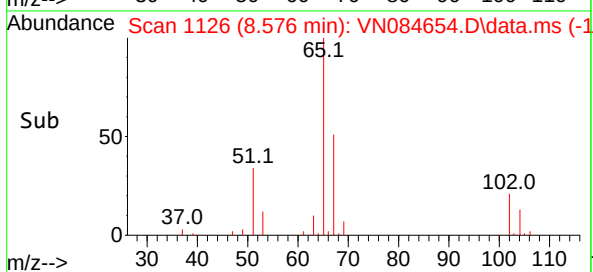
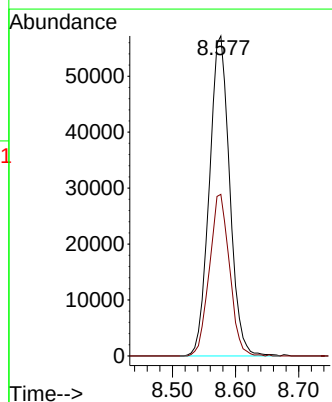
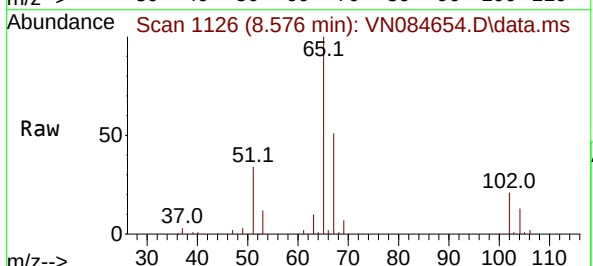
RT: 8.576 min Scan# 1126

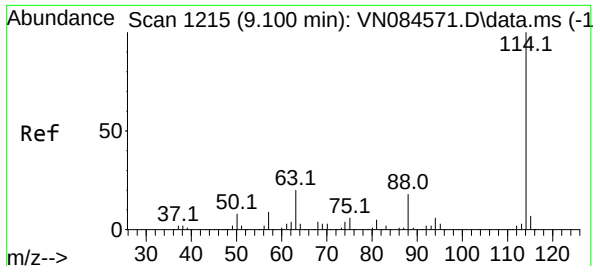
Delta R.T. -0.001 min

Lab File: VN084654.D

Acq: 04 Nov 2024 13:53

Tgt Ion: 65	Resp: 127838
Ion Ratio	Lower Upper
65	100
67	49.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084654.D

Acq: 04 Nov 2024 13:53

Instrument :

MSVOA_N

ClientSampleId :

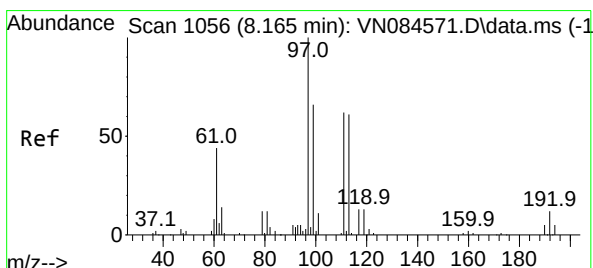
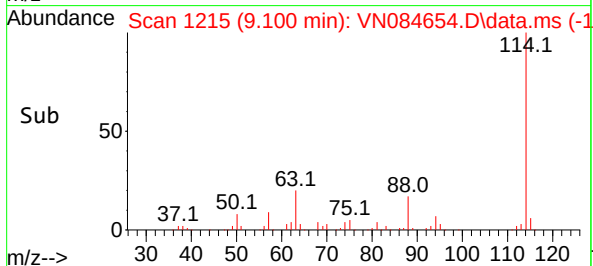
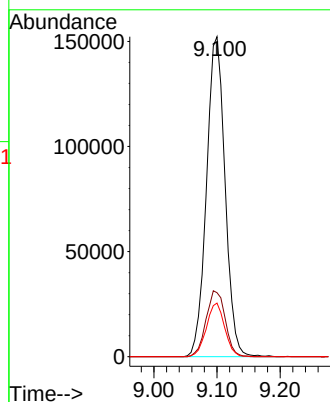
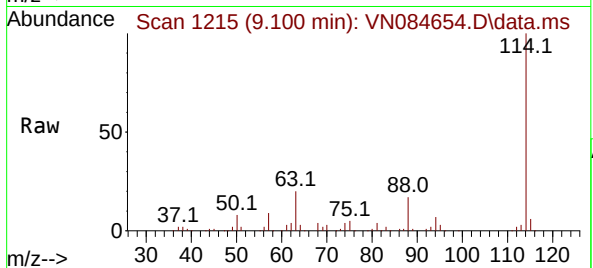
Tgt Ion:114 Resp: 310101

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.8

88 16.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.667 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084654.D

Acq: 04 Nov 2024 13:53

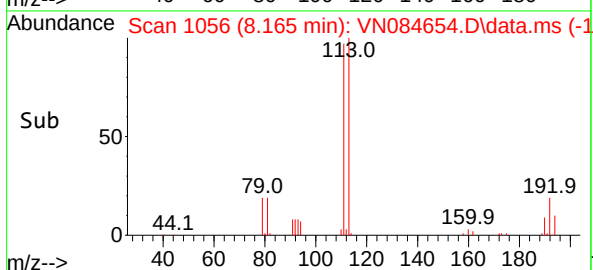
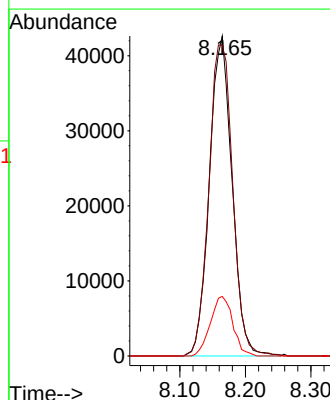
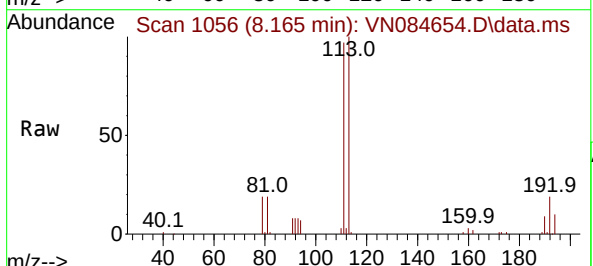
Tgt Ion:113 Resp: 102153

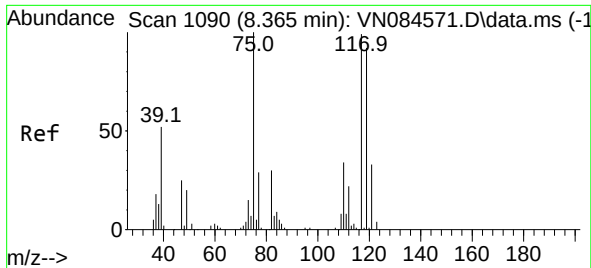
Ion Ratio Lower Upper

113 100

111 102.5 83.3 124.9

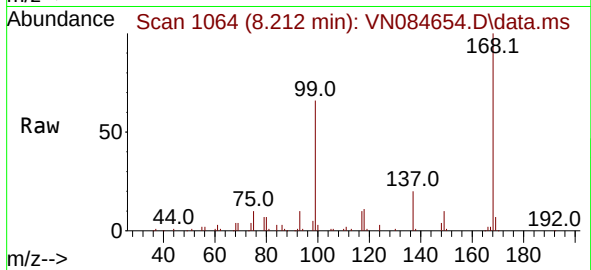
192 18.5 13.5 20.3



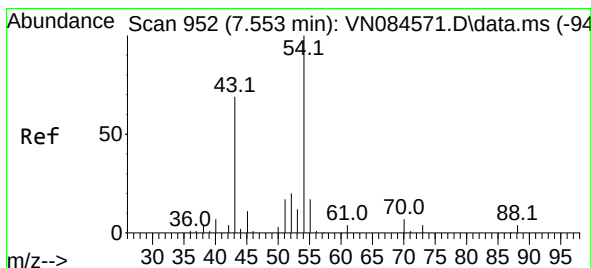
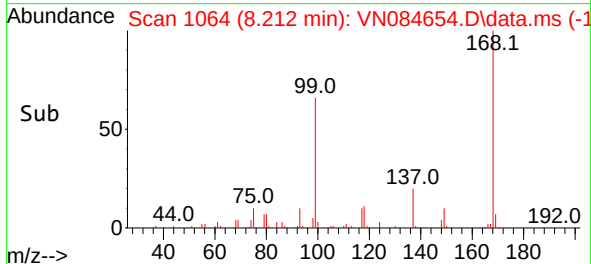
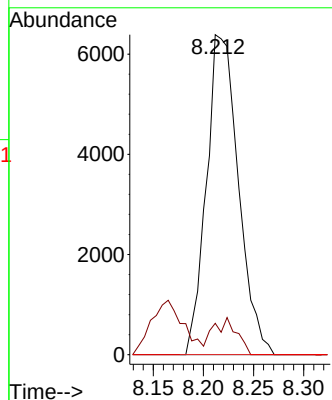


#36
1,1-Dichloropropene
Concen: 4.873 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.159 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :

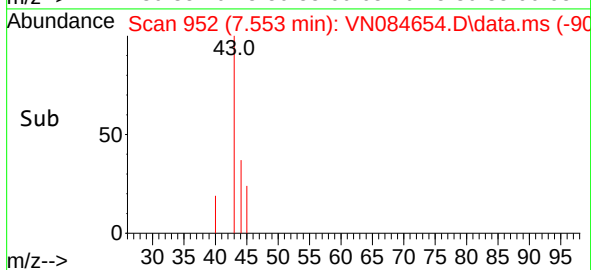
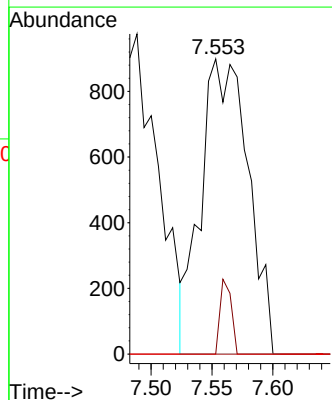
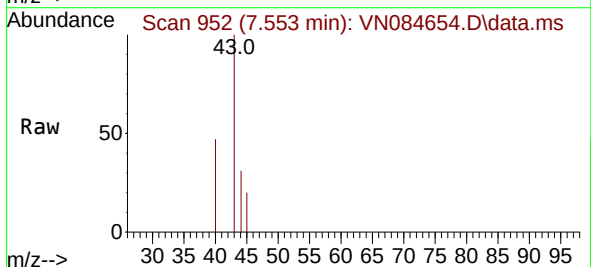


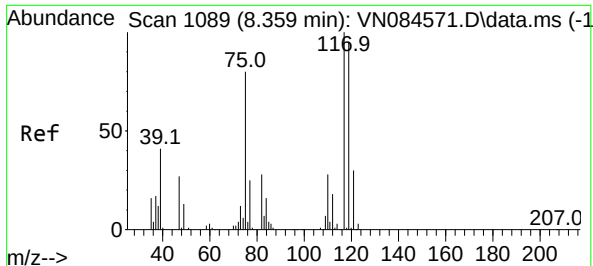
Tgt Ion: 75 Resp: 14187
Ion Ratio Lower Upper
75 100
110 2.6 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.922 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

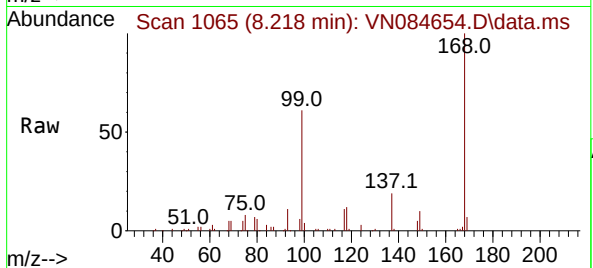
Tgt Ion: 43 Resp: 2436
Ion Ratio Lower Upper
43 100
61 6.0 10.7 16.1#
70 0.0 8.8 13.2#



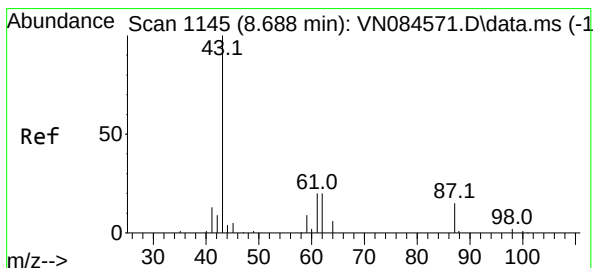
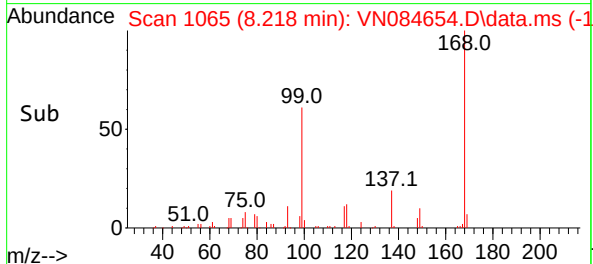
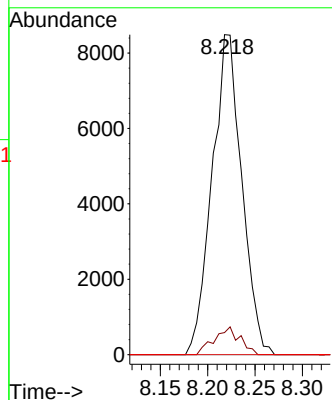


#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :

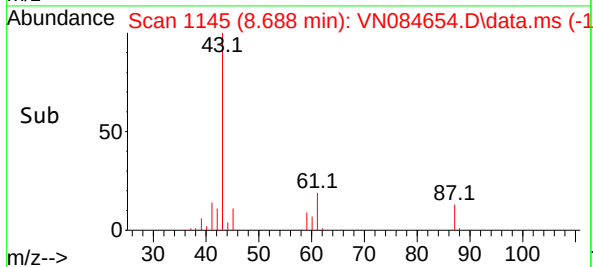
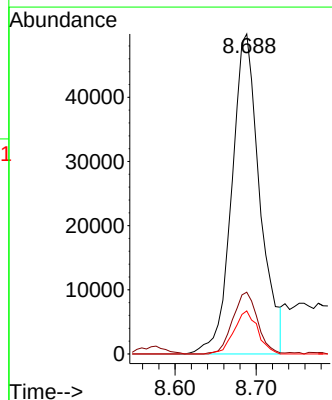
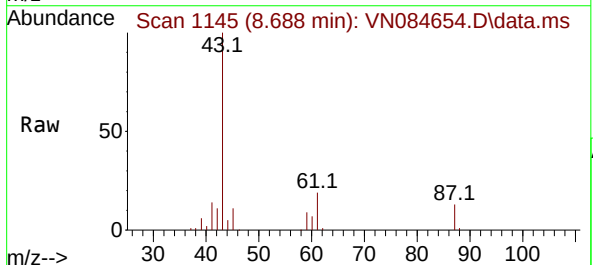


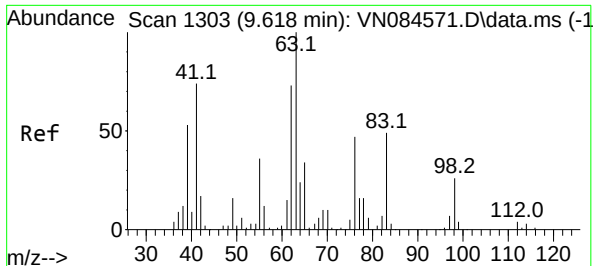
Tgt Ion:117 Resp: 18513
Ion Ratio Lower Upper
117 100
119 6.9 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 24.045 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Tgt Ion: 43 Resp: 119770
Ion Ratio Lower Upper
43 100
61 17.1 20.4 30.6#
87 11.4 10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.541 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN084654.D

Acq: 04 Nov 2024 13:53

Instrument :

MSVOA_N

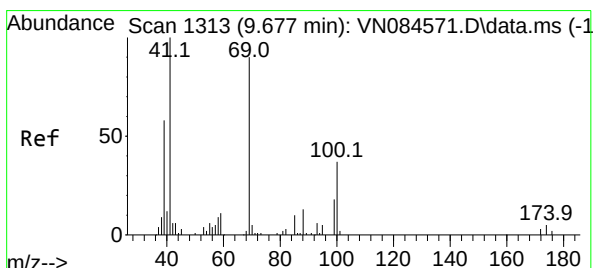
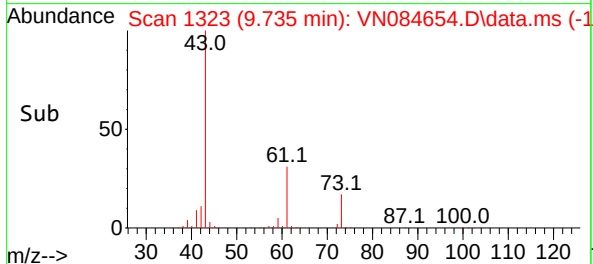
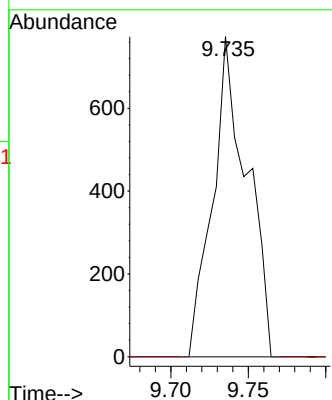
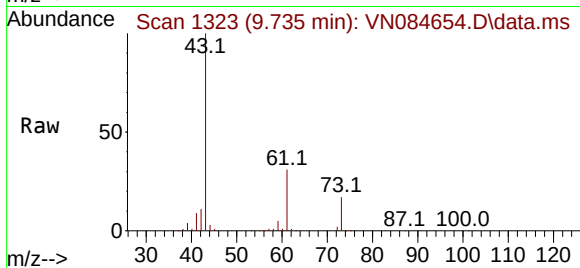
ClientSampleId :

Tgt Ion: 63 Resp: 1186

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.319 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084654.D

Acq: 04 Nov 2024 13:53

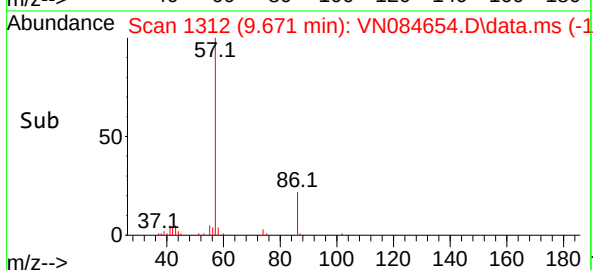
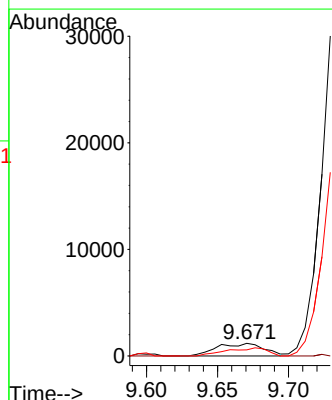
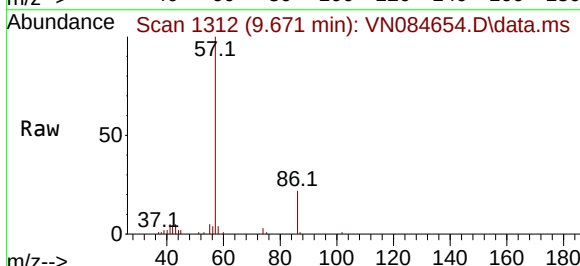
Tgt Ion: 41 Resp: 2712

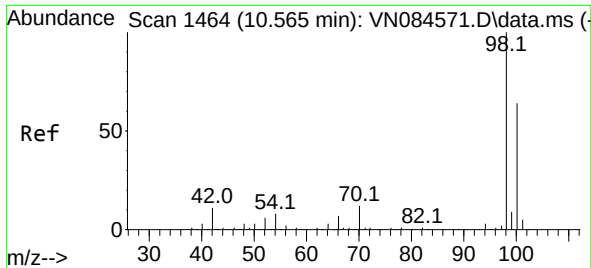
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 55.9 45.8 68.6

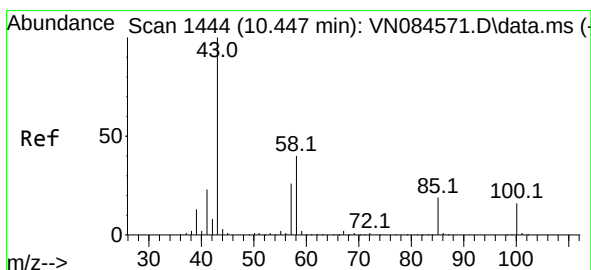
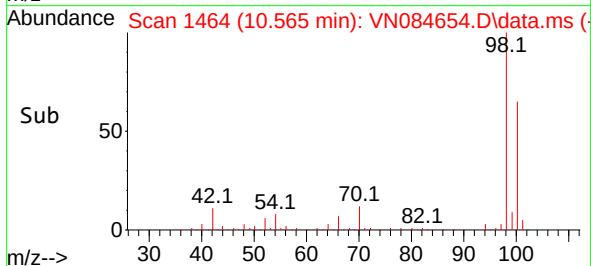
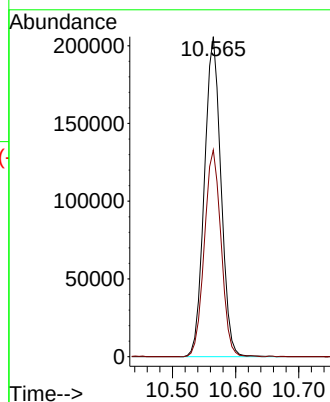
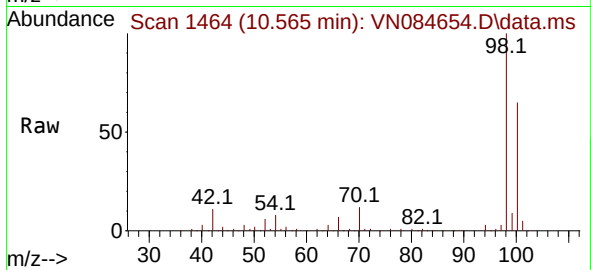




#50
Toluene-d8
Concen: 48.578 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

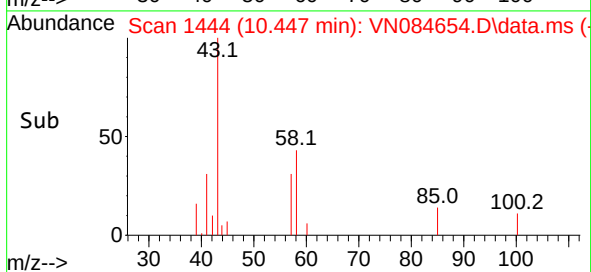
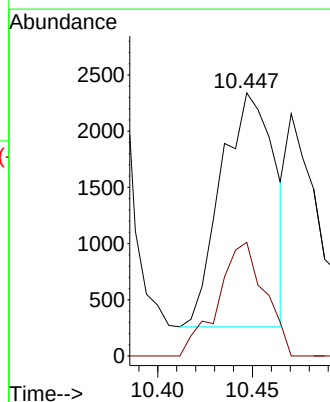
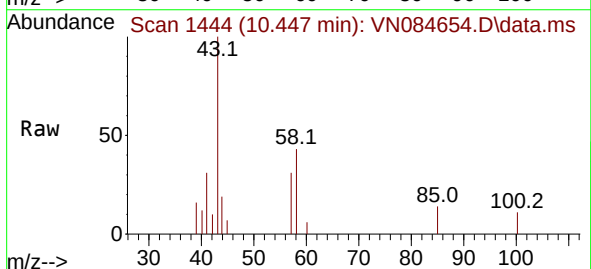
Instrument :
MSVOA_N
ClientSampleId :

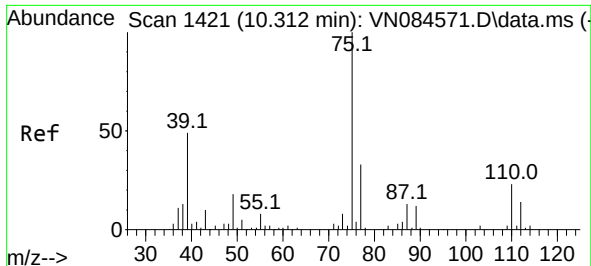
Tgt Ion: 98 Resp: 375610
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.625 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Tgt Ion: 43 Resp: 4091
Ion Ratio Lower Upper
43 100
58 42.3 31.6 47.4

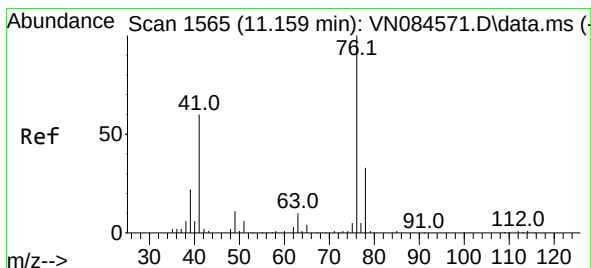
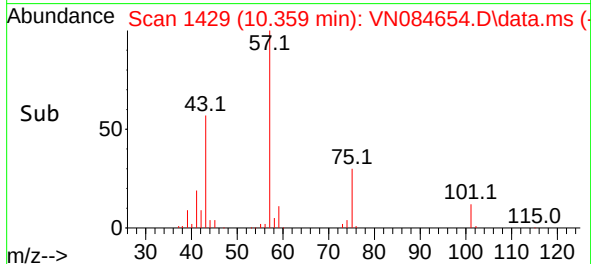
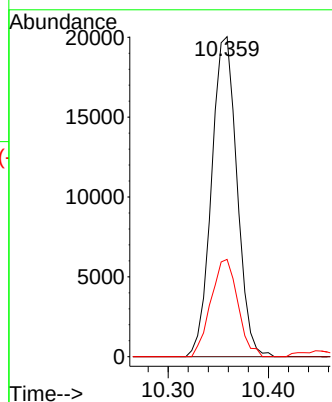
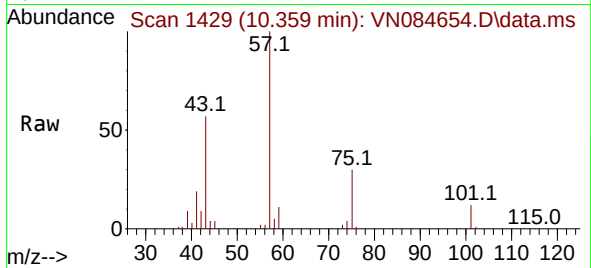




#54
cis-1,3-Dichloropropene
Concen: 9.874 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

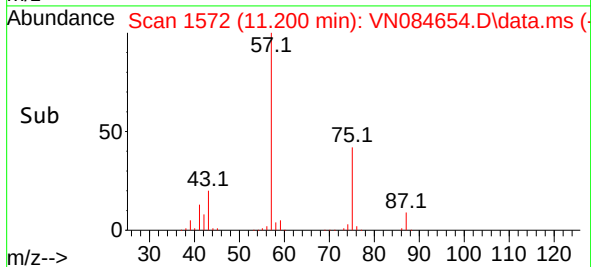
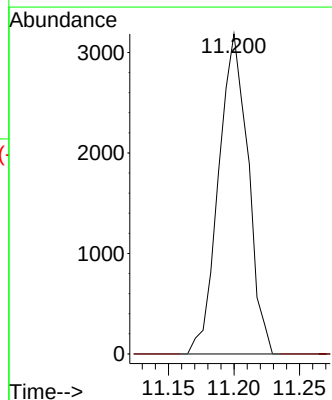
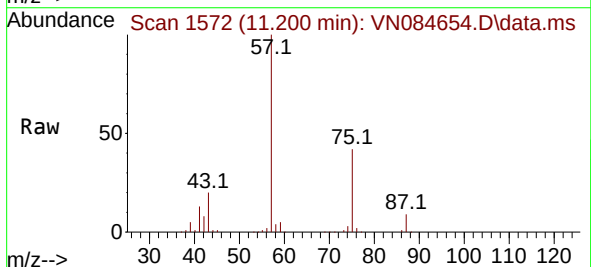
Instrument :
MSVOA_N
ClientSampleId :

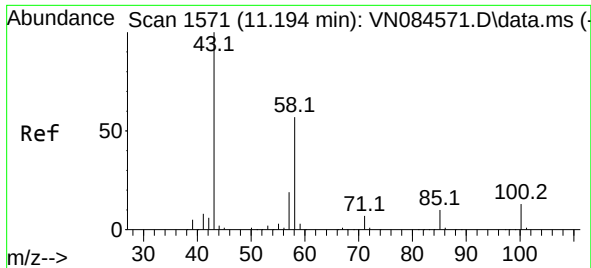
Tgt Ion: 75 Resp: 35287
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 30.4 38.7 58.1#



#57
1,3-Dichloropropane
Concen: 1.407 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Tgt Ion: 76 Resp: 4975
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

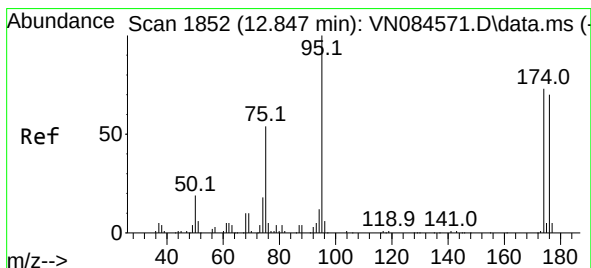
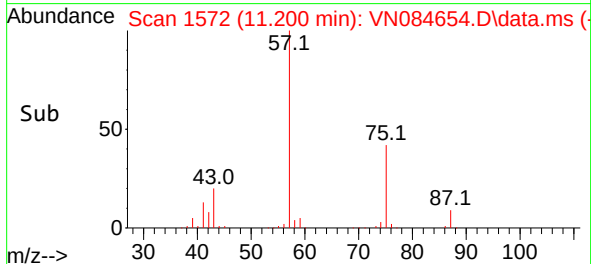
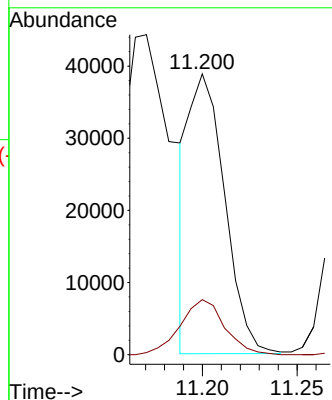
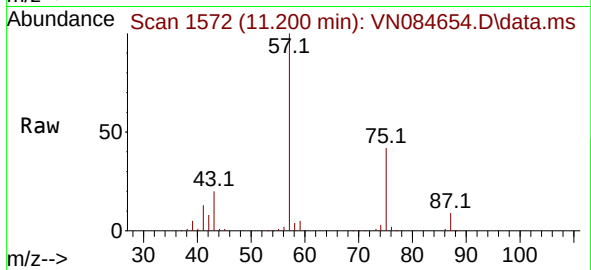




#59
2-Hexanone
Concen: 28.001 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

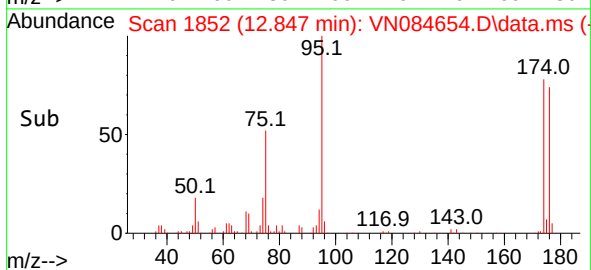
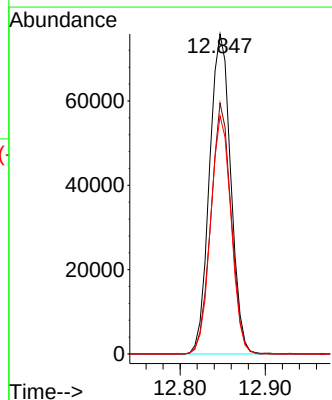
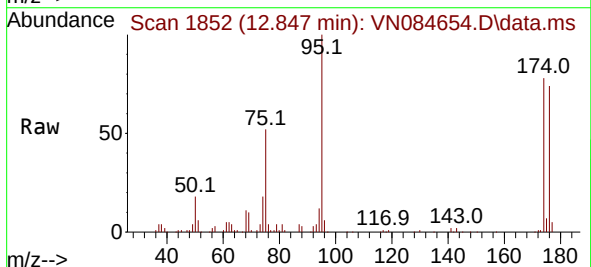
Instrument :
MSVOA_N
ClientSampleId :

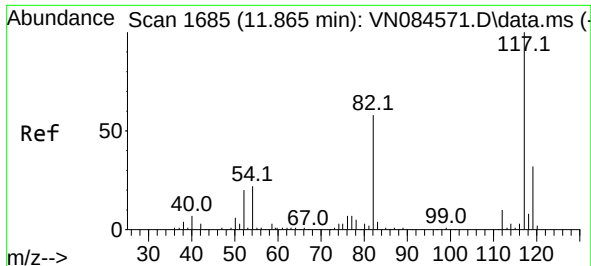
Tgt Ion: 43 Resp: 51317
Ion Ratio Lower Upper
43 100
58 24.3 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.560 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Tgt Ion: 95 Resp: 131655
Ion Ratio Lower Upper
95 100
174 75.0 0.0 145.2
176 71.9 0.0 140.0

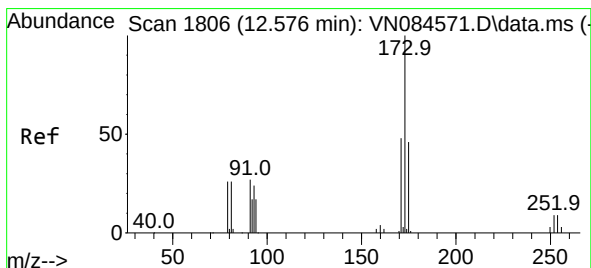
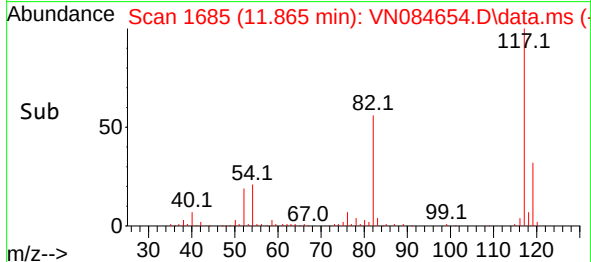
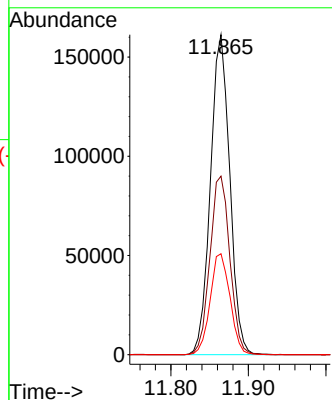
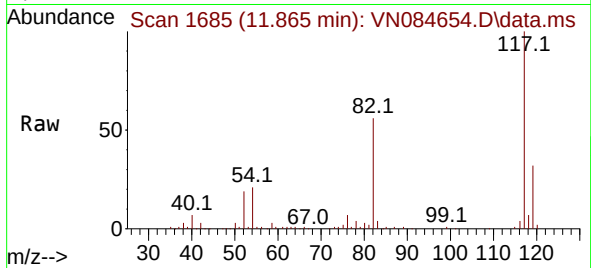




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

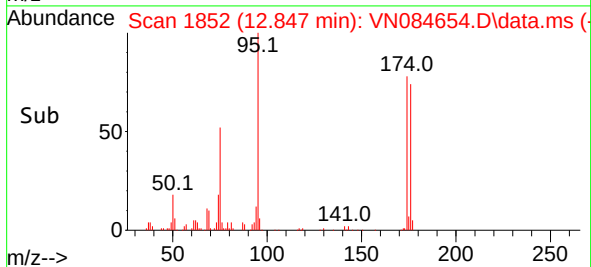
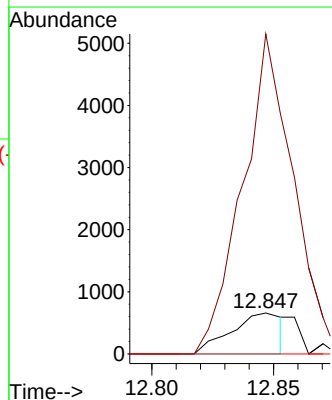
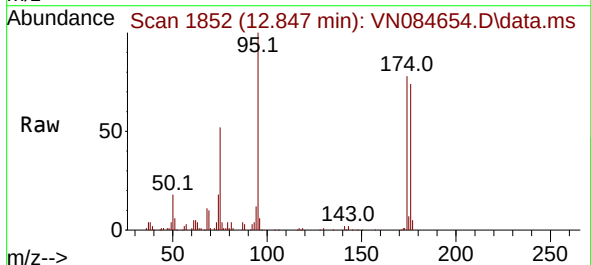
Instrument :
MSVOA_N
ClientSampleId :

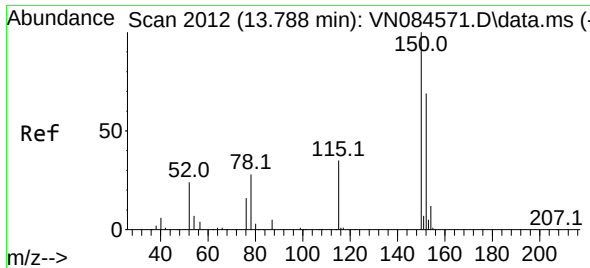
Tgt Ion:117 Resp: 279437
Ion Ratio Lower Upper
117 100
82 55.8 47.2 70.8
119 31.5 25.4 38.0



#71
Bromoform
Concen: 0.593 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

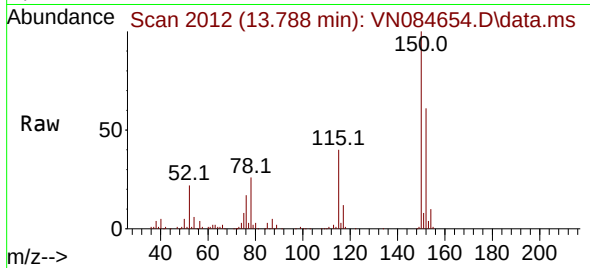
Tgt Ion:173 Resp: 971
Ion Ratio Lower Upper
173 100
175 588.1 23.5 70.6#
254 0.0 0.0 0.0



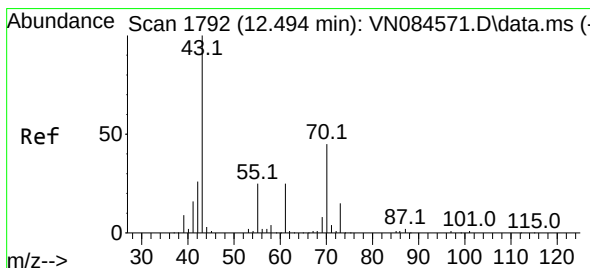
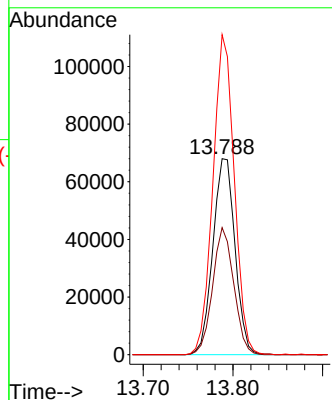
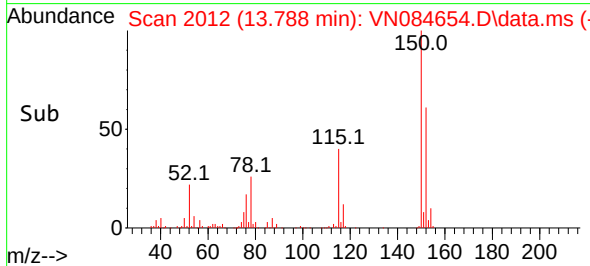


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

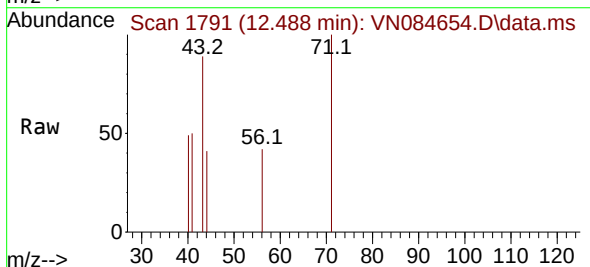
Instrument :
MSVOA_N
ClientSampleId :



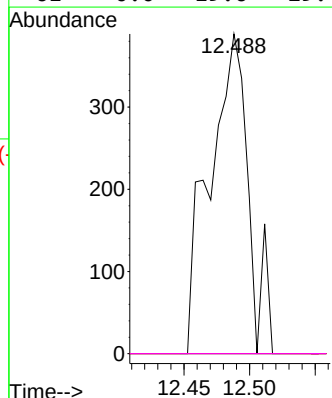
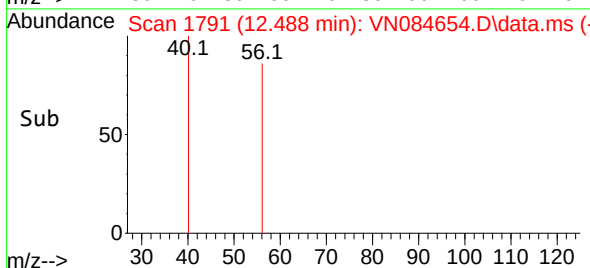
Tgt Ion:152 Resp: 116775
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.9
150 156.9 0.0 349.8

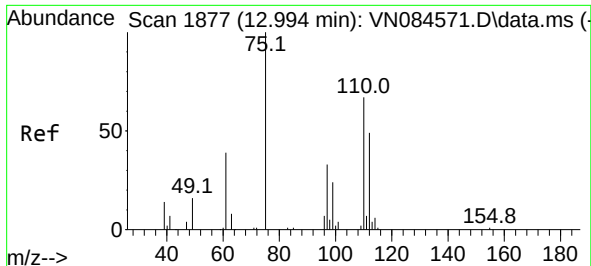


#74
N-ethyl acetate
Concen: 0.230 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53



Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 19.6 29.4#
61 0.0 19.6 29.4#

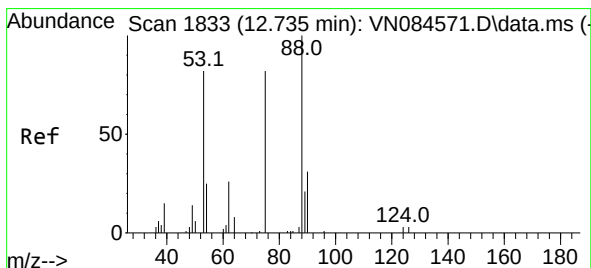
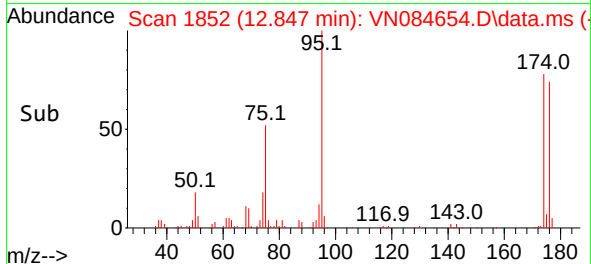
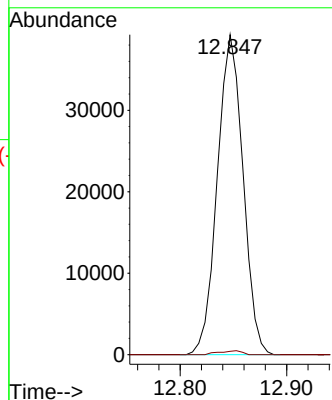
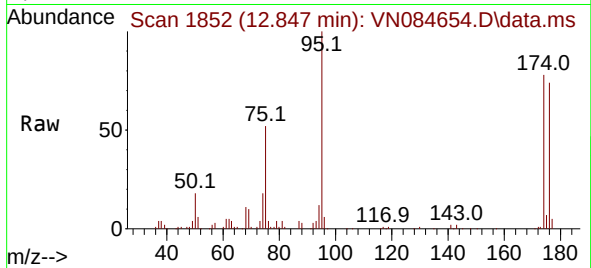




#76
1,2,3-Trichloropropane
Concen: 28.178 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

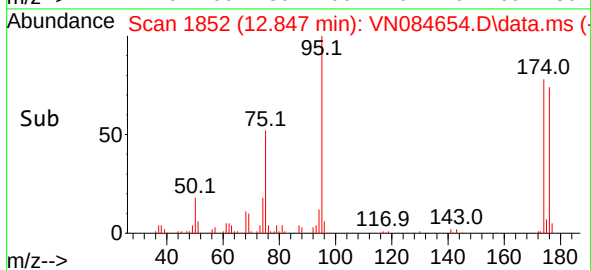
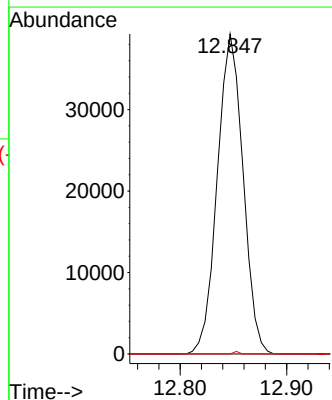
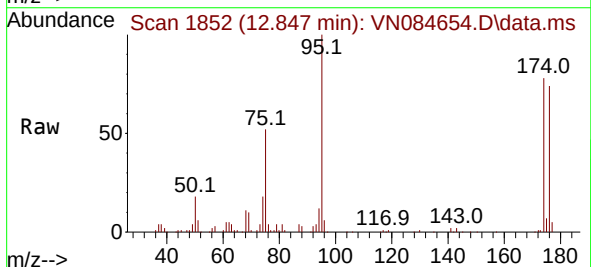
Instrument :
MSVOA_N
ClientSampleId :

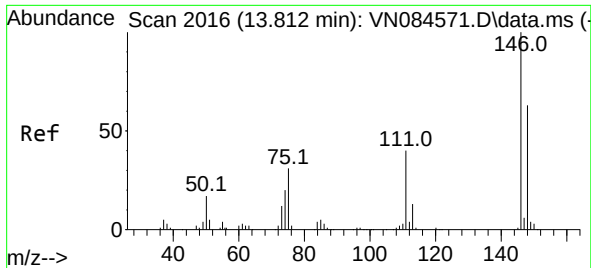
Tgt Ion: 75 Resp: 65776
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.850 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084654.D
Acq: 04 Nov 2024 13:53

Tgt Ion: 75 Resp: 65776
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.2 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.817 min Scan# 20

Delta R.T. 0.005 min

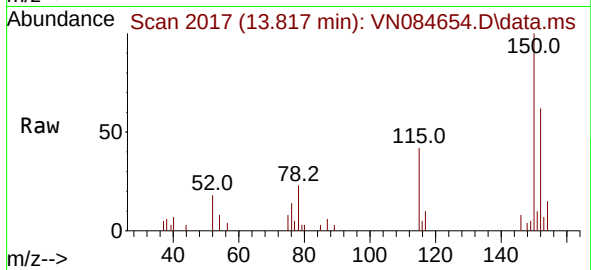
Lab File: VN084654.D

Acq: 04 Nov 2024 13:53

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 438

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

