

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084653.D
 Acq On : 04 Nov 2024 13:29
 Operator : JC\MD
 Sample : P4643-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:25:16 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

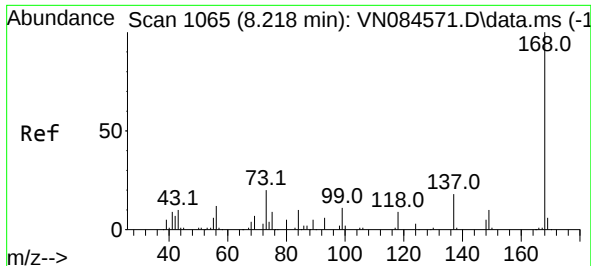
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	171651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	306056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120953	48.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.580%		
35) Dibromofluoromethane	8.165	113	98319	47.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.920%		
50) Toluene-d8	10.565	98	362523	47.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.020%		
62) 4-Bromofluorobenzene	12.847	95	132955	46.618	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	806	Below Cal	#	41
6) Chloroethane	3.107	64	414	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	2623	8.015	ug/l #	73
13) Acrolein	4.165	56	91	0.279	ug/l #	14
16) Acetone	4.436	43	24045	31.077	ug/l	94
18) Methyl Acetate	5.030	43	5969	Below Cal		100
20) Methylene Chloride	5.265	84	1266	0.581	ug/l #	83
25) 2-Butanone	7.483	43	3220	2.784	ug/l	99
29) Tetrahydrofuran	7.853	42	505	0.658	ug/l #	43
31) Cyclohexane	8.218	56	3686	1.077	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13513	4.703	ug/l #	54
37) Ethyl Acetate	7.565	43	2719	1.043	ug/l #	79
38) Carbon Tetrachloride	8.218	117	18805	5.856	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	803	0.269	ug/l #	75
43) Isopropyl Acetate	8.688	43	130004	26.543	ug/l #	85
45) 1,2-Dichloropropane	9.735	63	1024	0.473	ug/l #	44
48) Methyl methacrylate	9.665	41	3118	1.537	ug/l #	41
51) 4-Methyl-2-Pentanone	10.447	43	4107	1.653	ug/l	97
53) t-1,3-Dichloropropene	10.730	75	763	0.229	ug/l #	43
54) cis-1,3-Dichloropropene	10.353	75	36449	10.334	ug/l #	65
56) Ethyl methacrylate	10.982	69	1336	0.454	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	4492	1.288	ug/l #	42
59) 2-Hexanone	11.171	43	89914	49.709	ug/l #	24
71) Bromoform	12.847	173	583	0.355	ug/l #	1
74) N-amyl acetate	12.494	43	848	0.245	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	69286	29.885	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69286	70.899	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	318	Below Cal	#	1

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

Quant Time: Nov 05 00:25:16 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

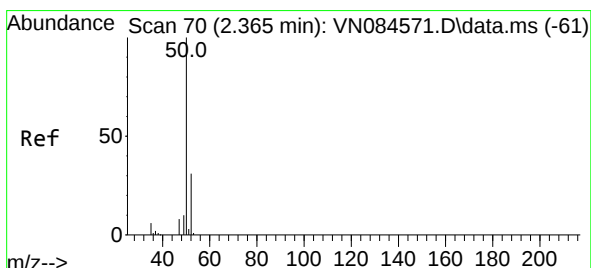
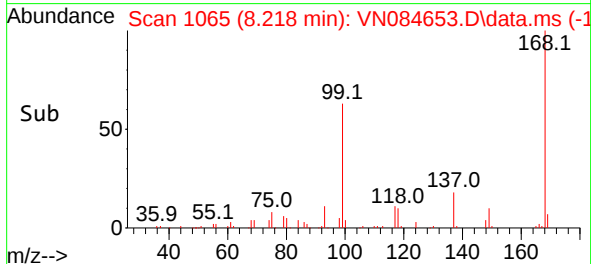
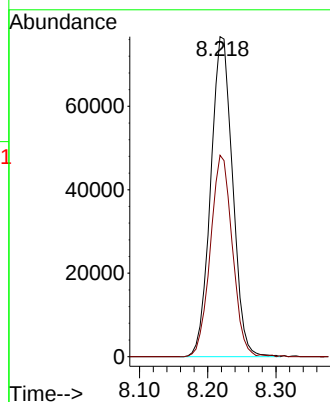
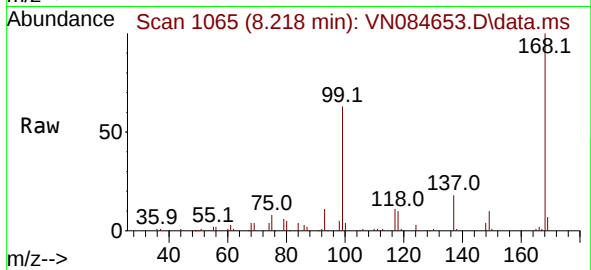




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

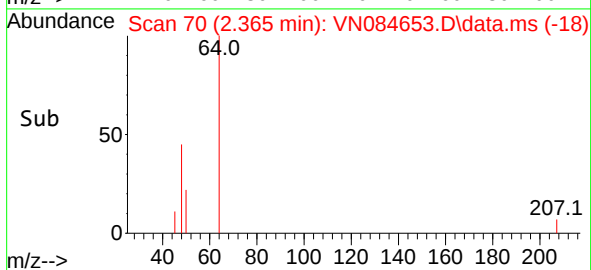
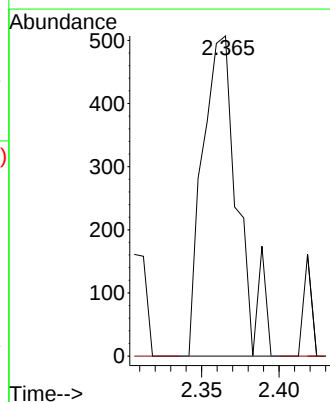
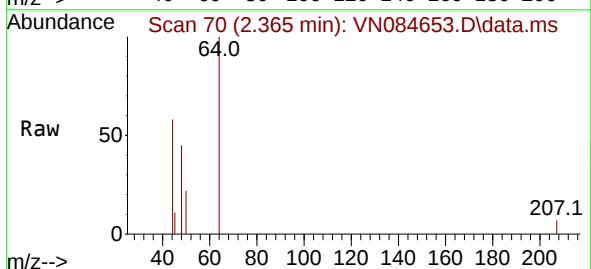
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 171651
Ion Ratio Lower Upper
168 100
99 63.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Tgt Ion: 50 Resp: 806
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

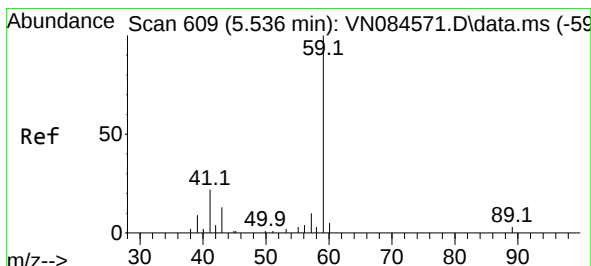
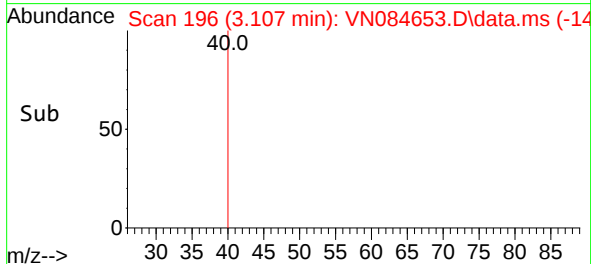
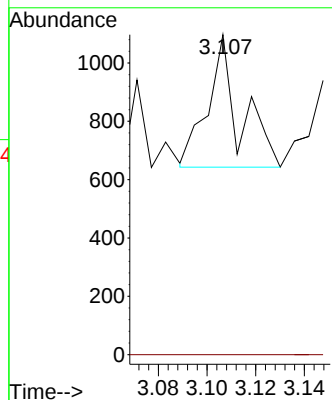
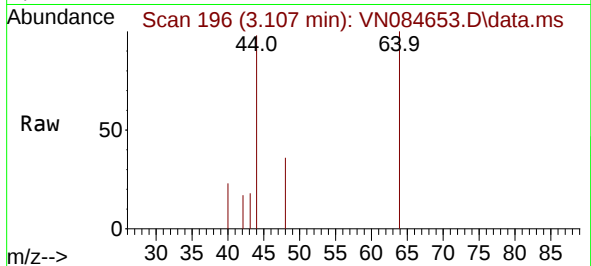




#6
Chloroethane
Concen: Below Cal
RT: 3.107 min Scan# 19
Delta R.T. -0.011 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

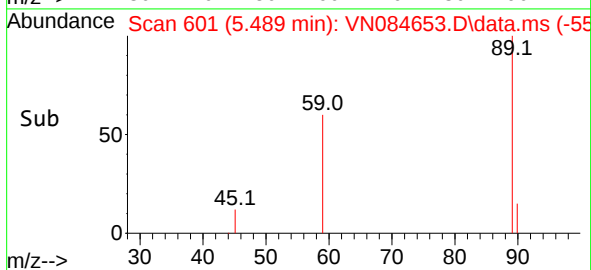
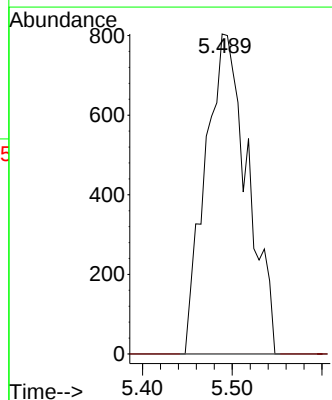
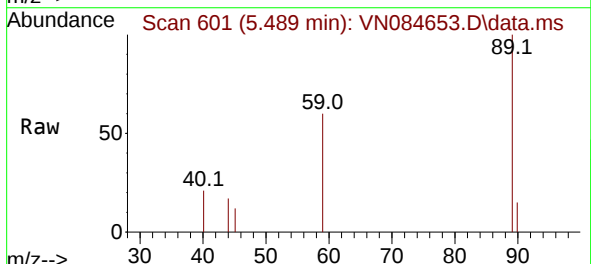
Instrument :
MSVOA_N
ClientSampleId :

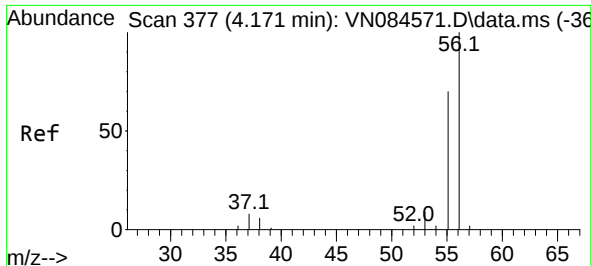
Tgt Ion: 64 Resp: 414
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 8.015 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

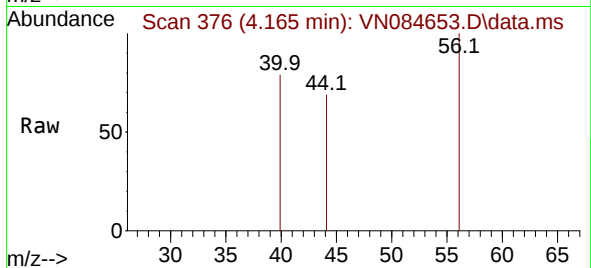
Tgt Ion: 59 Resp: 2623
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



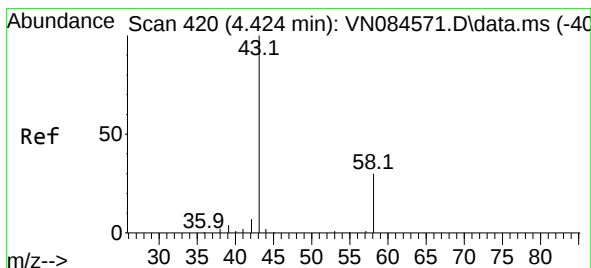
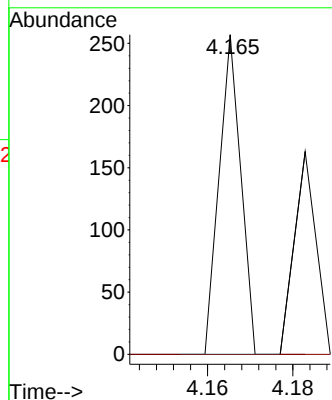


#13
Acrolein
Concen: 0.279 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Instrument :
MSVOA_N
ClientSampleId :

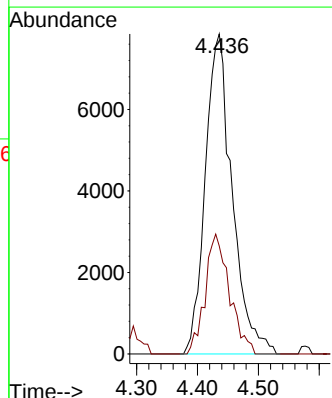
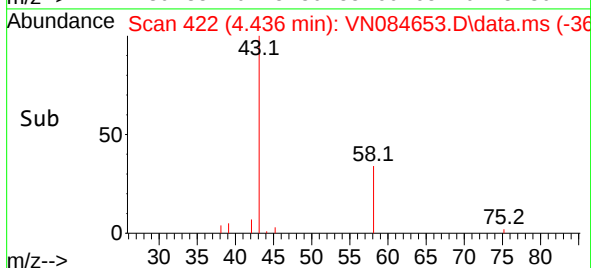
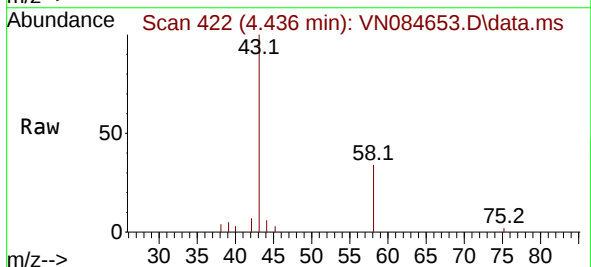


Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 31.077 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

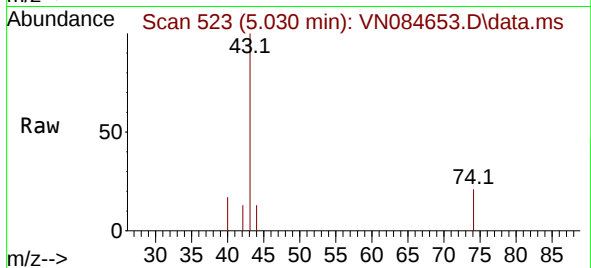
Tgt Ion: 43 Resp: 24045
Ion Ratio Lower Upper
43 100
58 33.7 24.4 36.6



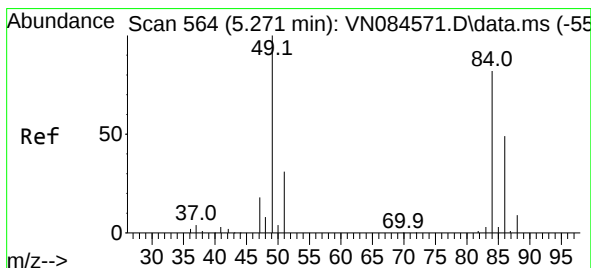
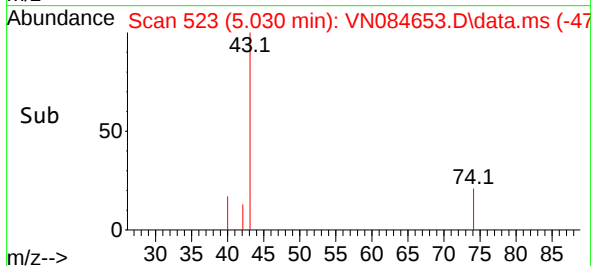
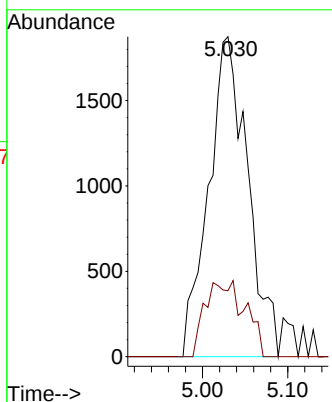


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Instrument :
MSVOA_N
ClientSampleId :

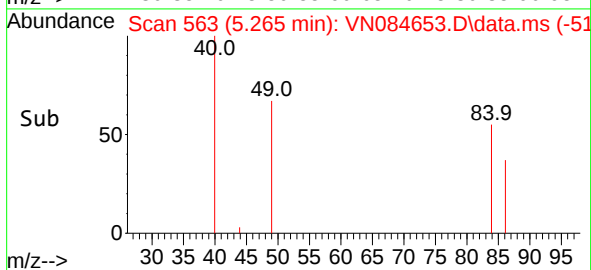
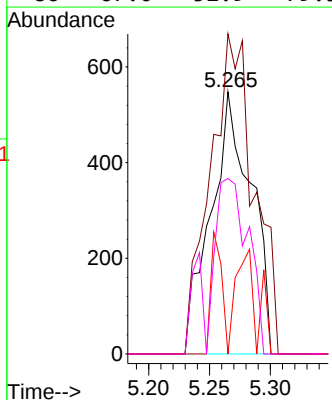
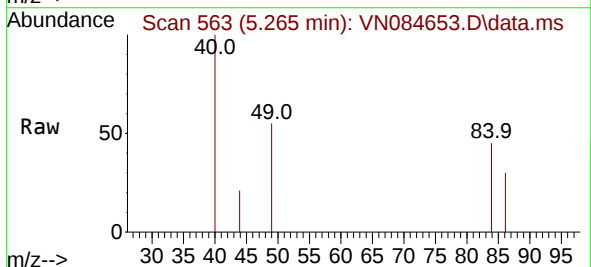


Tgt Ion: 43 Resp: 5969
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8



#20
Methylene Chloride
Concen: 0.581 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

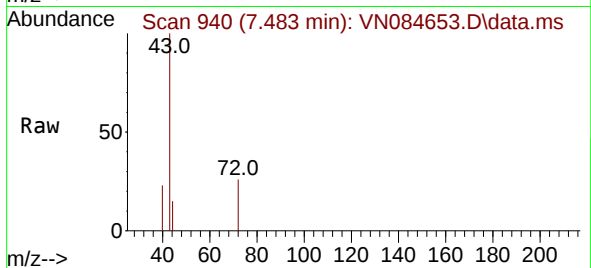
Tgt Ion: 84 Resp: 1266
Ion Ratio Lower Upper
84 100
49 122.1 107.2 160.8
51 0.0 31.8 47.8#
86 67.0 52.9 79.3



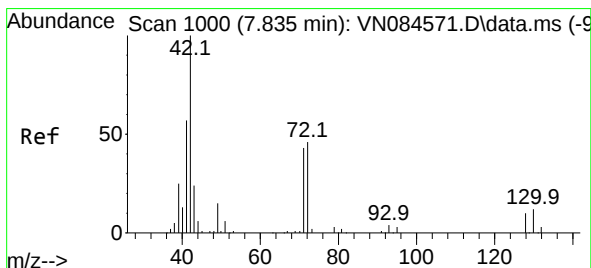
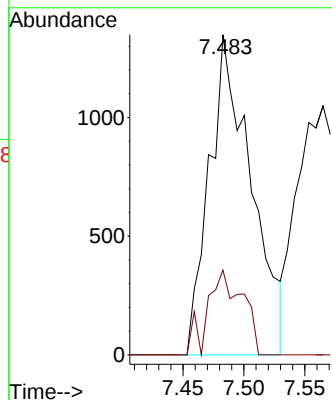
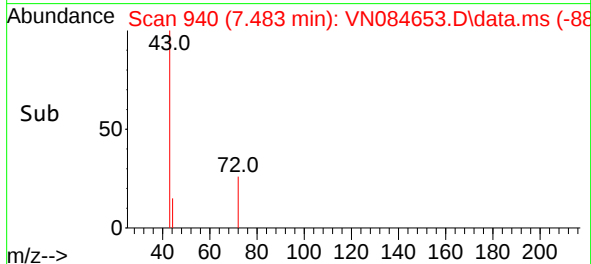


#25
2-Butanone
Concen: 2.784 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Instrument :
MSVOA_N
ClientSampleId :

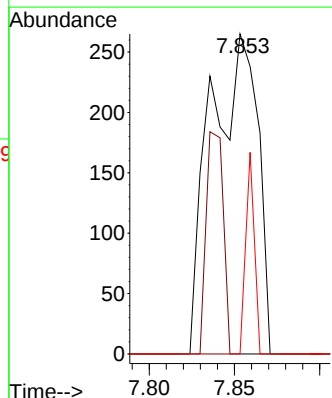
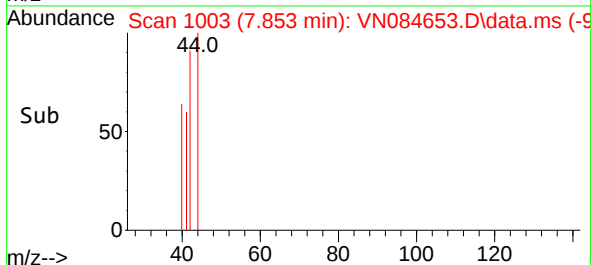
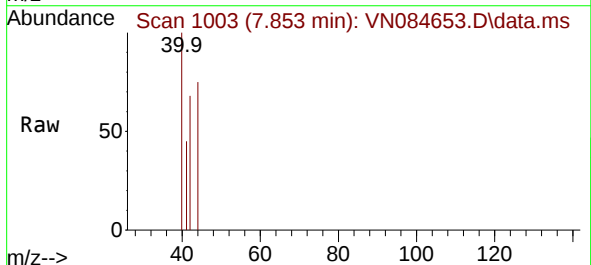


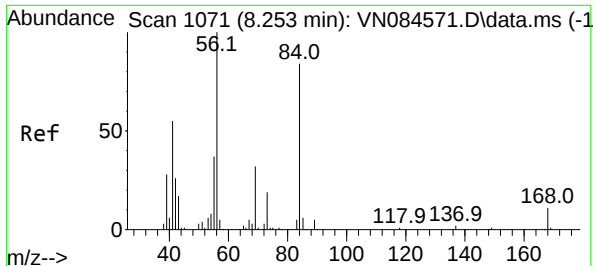
Tgt Ion: 43 Resp: 3220
Ion Ratio Lower Upper
43 100
72 26.5 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.658 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

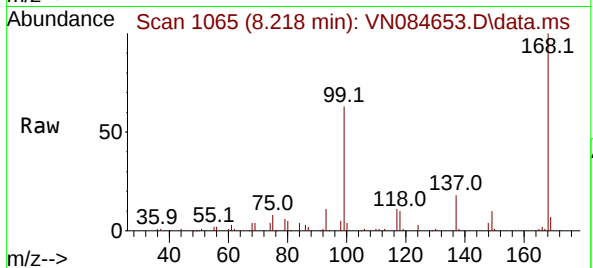
Tgt Ion: 42 Resp: 505
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 11.7 32.2 48.4#



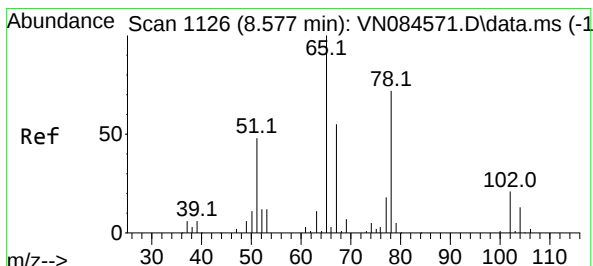
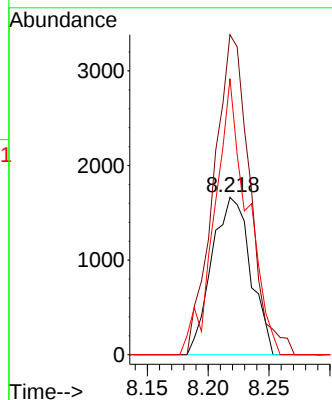
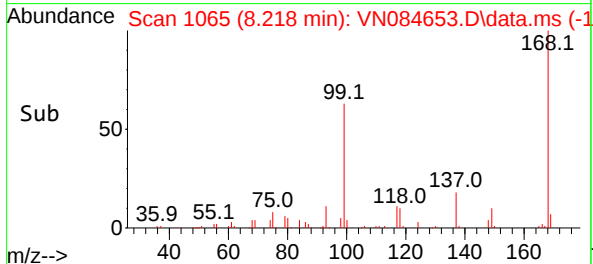


#31
Cyclohexane
Concen: 1.077 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Instrument :
MSVOA_N
ClientSampleId :

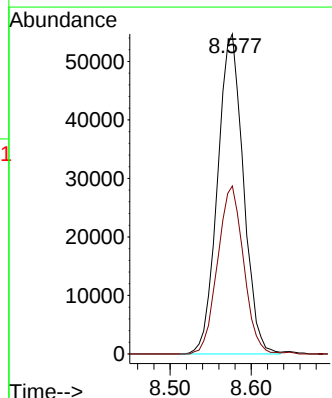
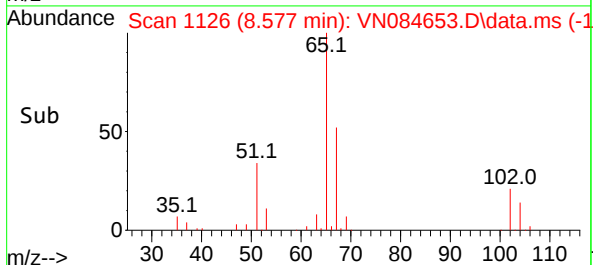
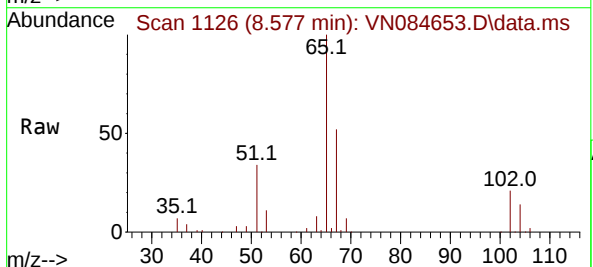


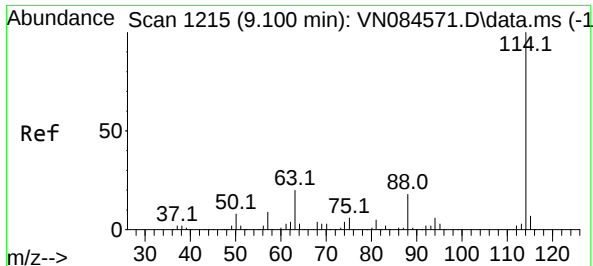
Tgt Ion: 56 Resp: 3686
Ion Ratio Lower Upper
56 100
69 203.4 23.8 35.6#
84 175.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.787 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Tgt Ion: 65 Resp: 120953
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084653.D

Acq: 04 Nov 2024 13:29

Instrument :

MSVOA_N

ClientSampleId :

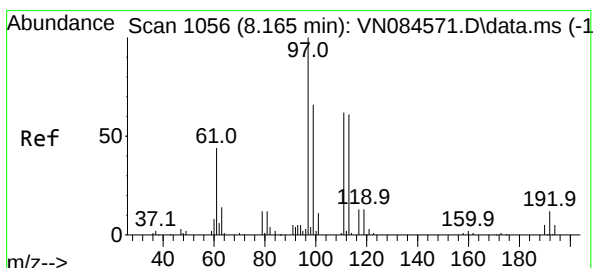
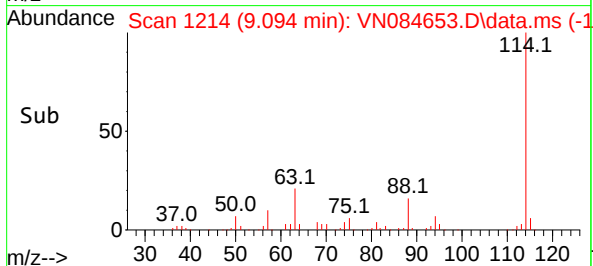
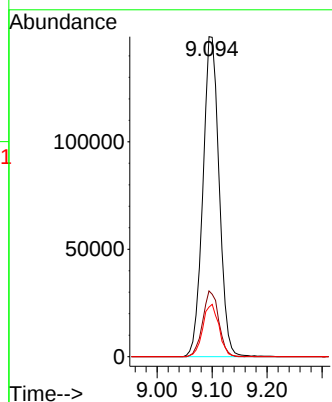
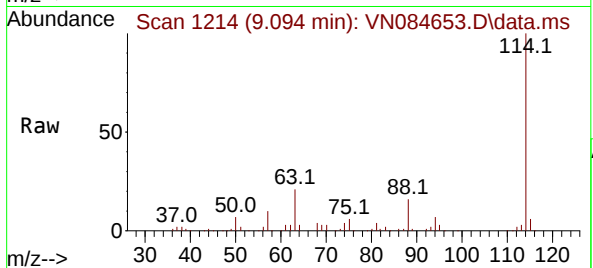
Tgt Ion:114 Resp: 306056

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.8

88 15.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.460 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084653.D

Acq: 04 Nov 2024 13:29

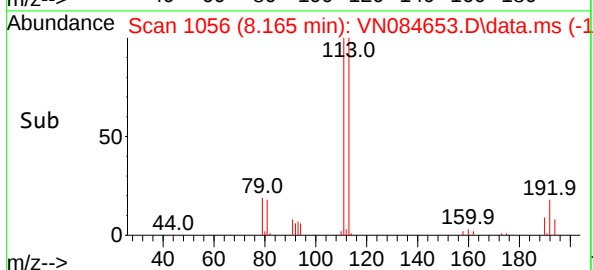
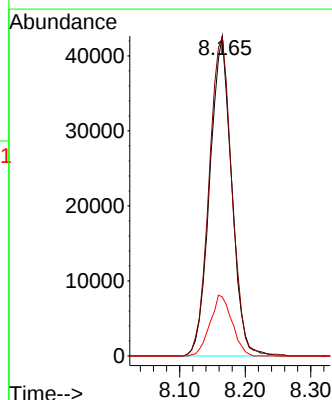
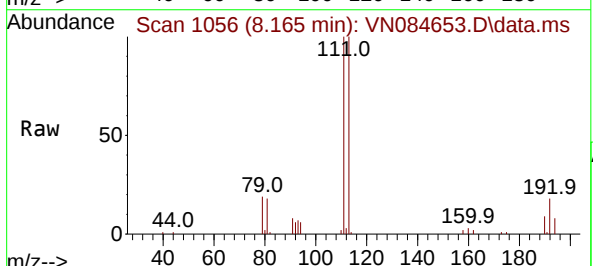
Tgt Ion:113 Resp: 98319

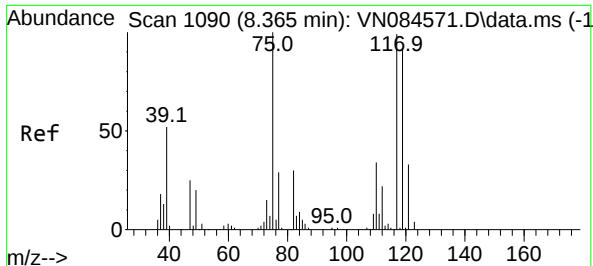
Ion Ratio Lower Upper

113 100

111 104.0 83.3 124.9

192 19.1 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.703 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

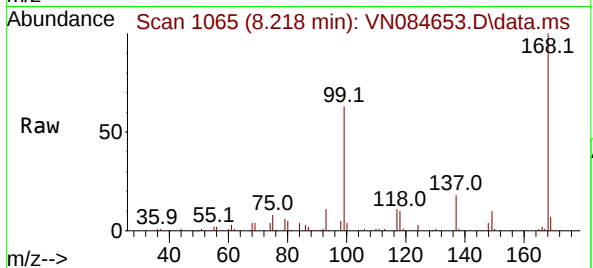
Lab File: VN084653.D

Acq: 04 Nov 2024 13:29

Instrument :

MSVOA_N

ClientSampleId :



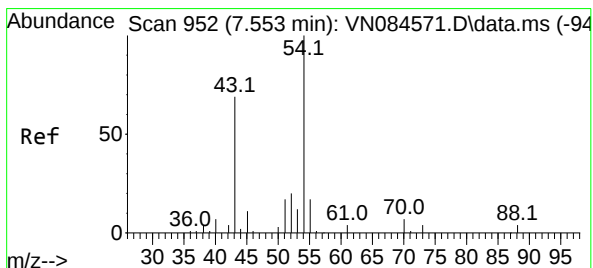
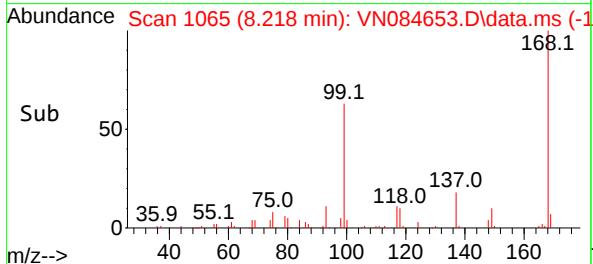
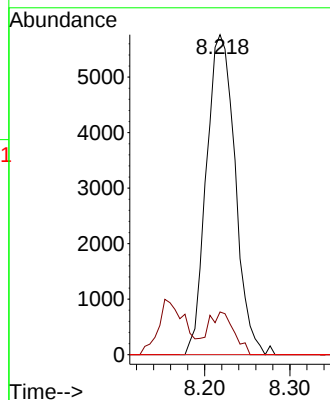
Tgt Ion: 75 Resp: 13513

Ion Ratio Lower Upper

75 100

110 12.4 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.043 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084653.D

Acq: 04 Nov 2024 13:29

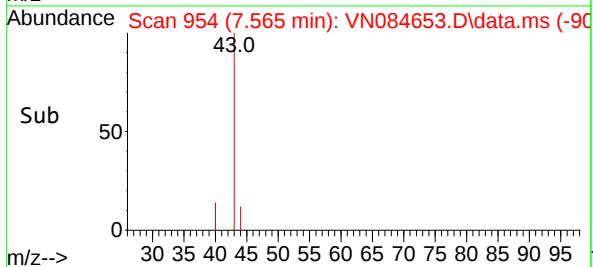
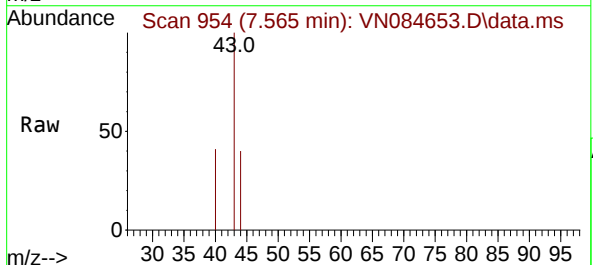
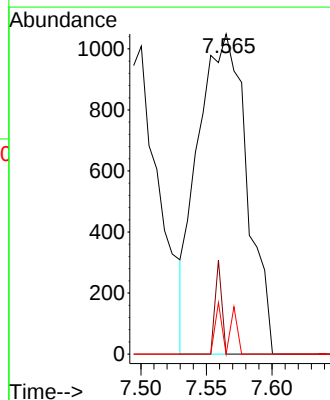
Tgt Ion: 43 Resp: 2719

Ion Ratio Lower Upper

43 100

61 4.0 10.7 16.1#

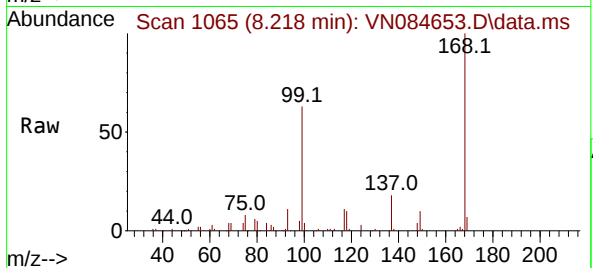
70 4.2 8.8 13.2#



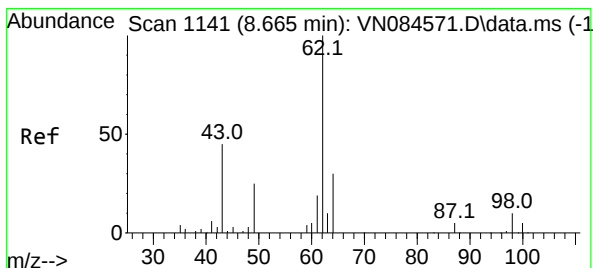
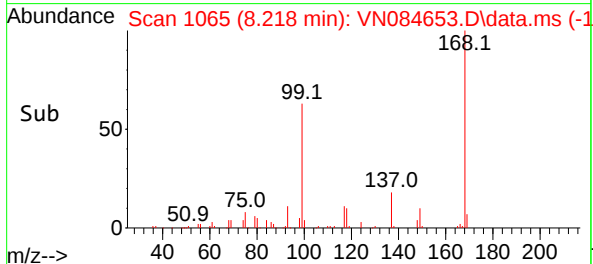
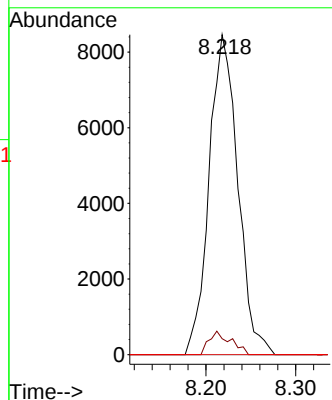


#38
Carbon Tetrachloride
Concen: 5.856 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Instrument :
MSVOA_N
ClientSampleId :

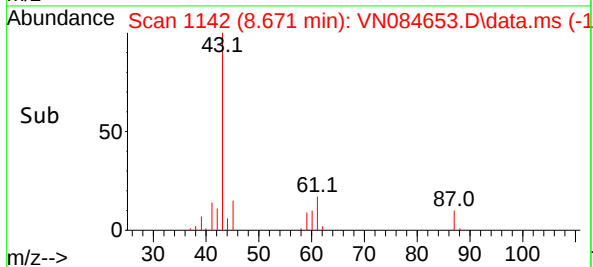
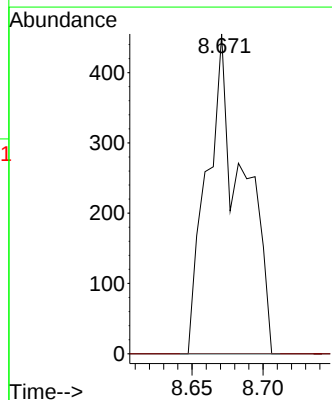
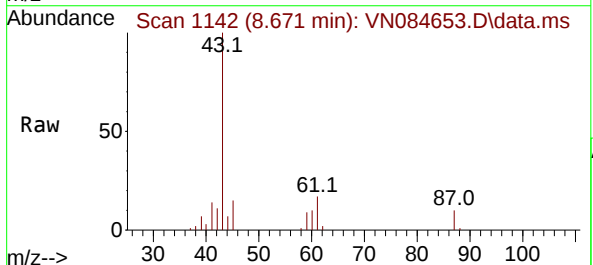


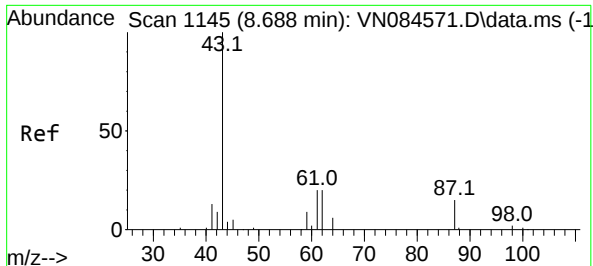
Tgt Ion:117 Resp: 18805
Ion Ratio Lower Upper
117 100
119 5.0 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.269 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Tgt Ion: 62 Resp: 803
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 26.543 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084653.D

Acq: 04 Nov 2024 13:29

Instrument :

MSVOA_N

ClientSampleId :

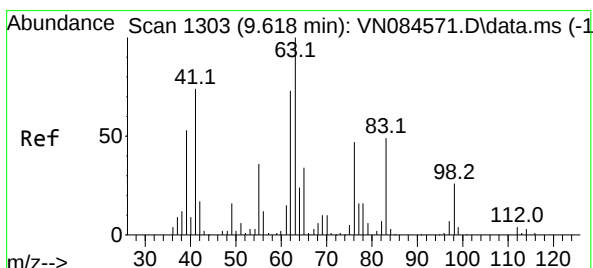
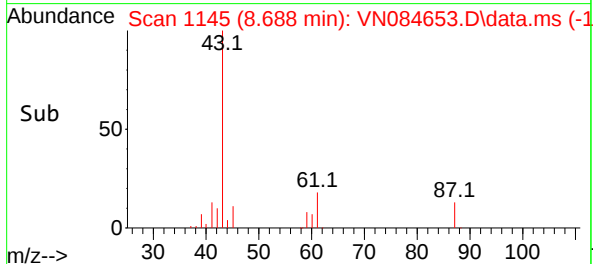
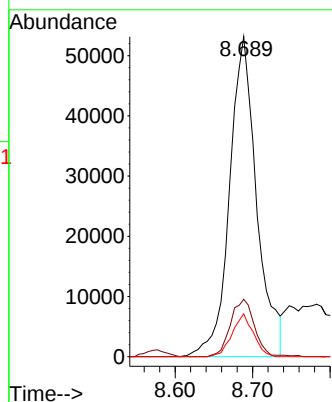
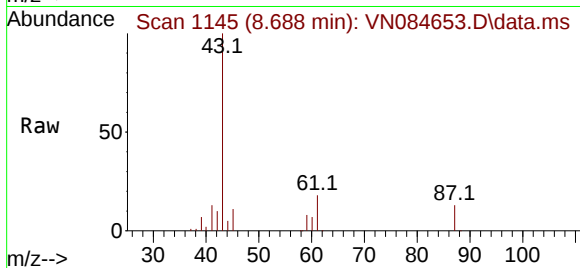
Tgt Ion: 43 Resp: 130004

Ion Ratio Lower Upper

43 100

61 15.9 20.4 30.6#

87 10.4 10.3 15.5



#45

1,2-Dichloropropane

Concen: 0.473 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.117 min

Lab File: VN084653.D

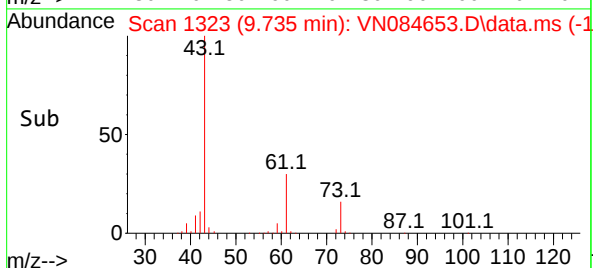
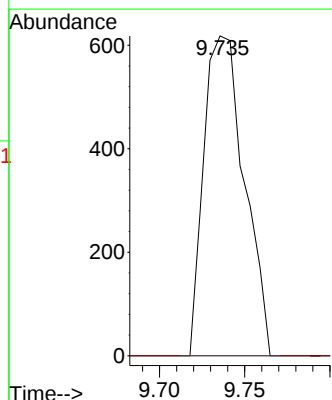
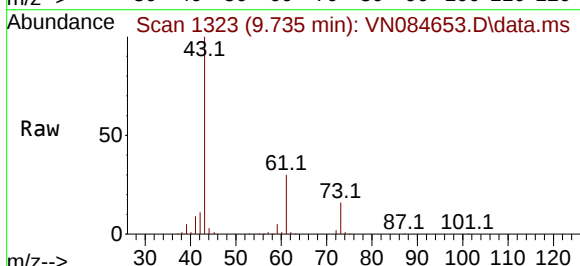
Acq: 04 Nov 2024 13:29

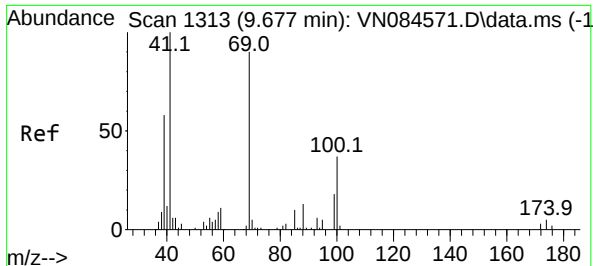
Tgt Ion: 63 Resp: 1024

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#

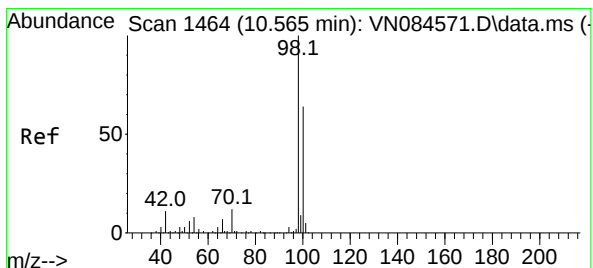
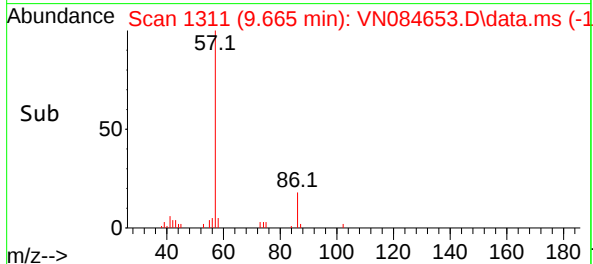
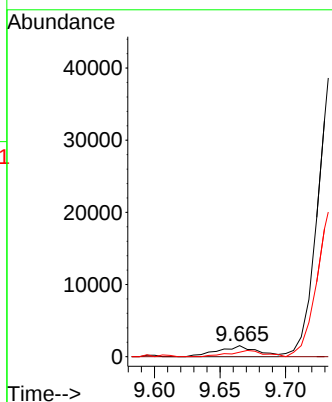
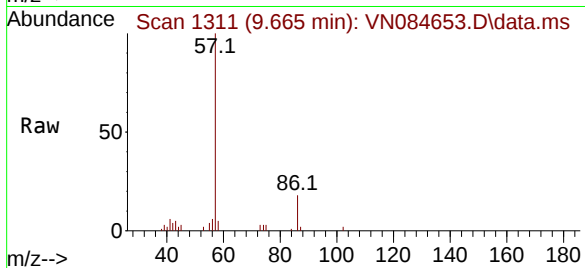




#48
Methyl methacrylate
Concen: 1.537 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

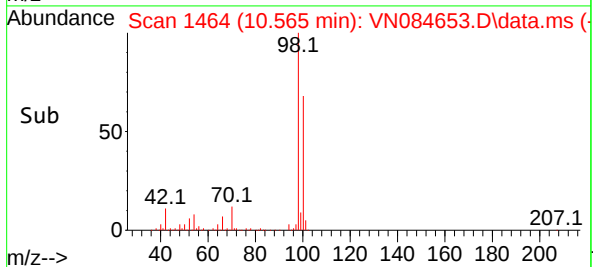
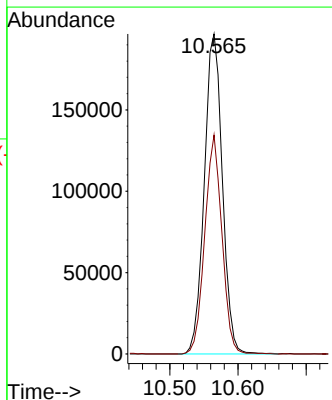
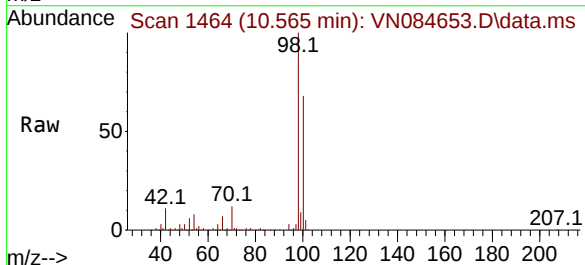
Instrument :
MSVOA_N
ClientSampleId :

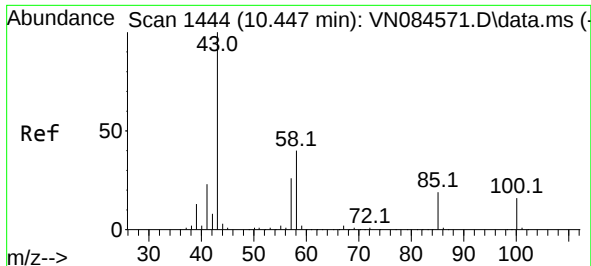
Tgt Ion: 41 Resp: 3118
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 49.8 45.8 68.6



#50
Toluene-d8
Concen: 47.505 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Tgt Ion: 98 Resp: 362523
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1

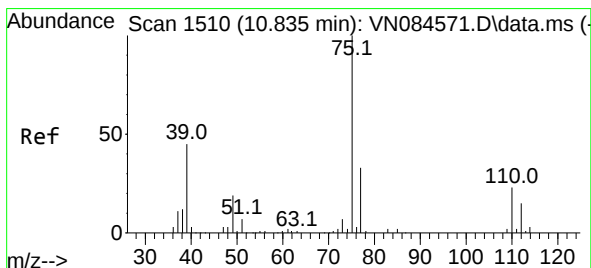
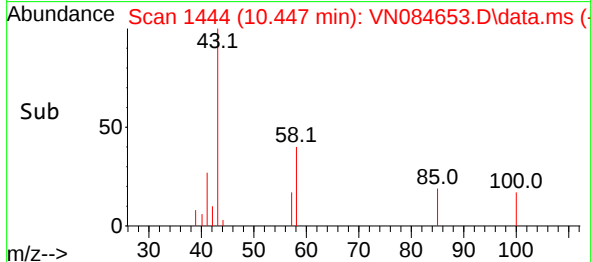
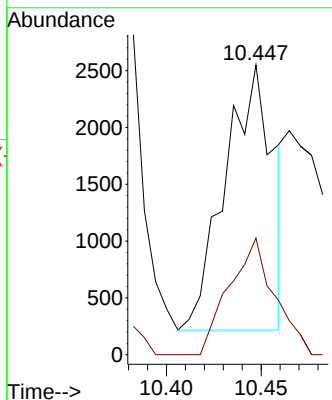
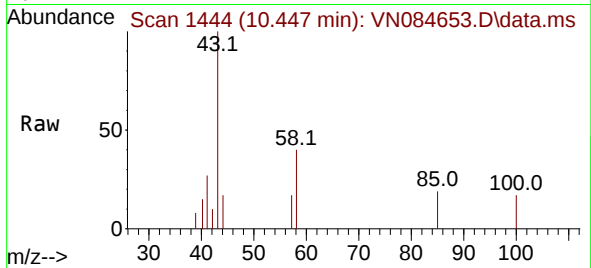




#51
4-Methyl-2-Pentanone
Concen: 1.653 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

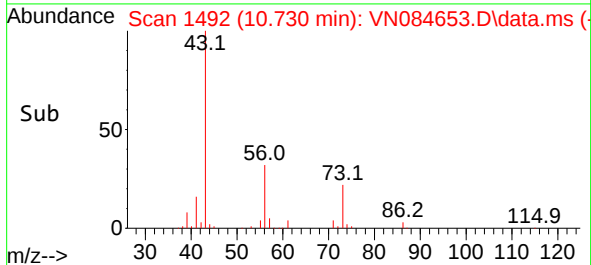
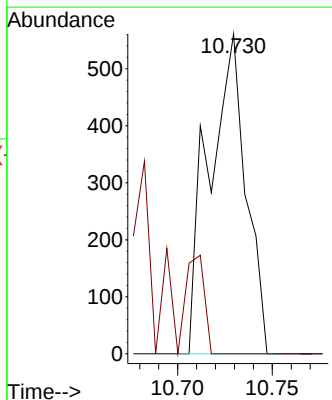
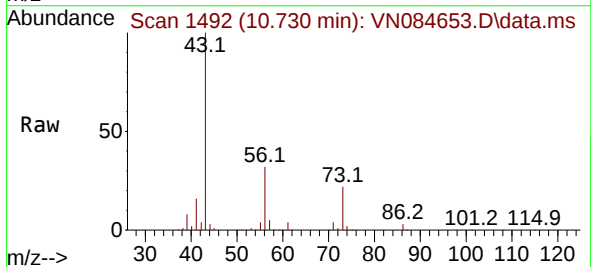
Instrument :
MSVOA_N
ClientSampleId :

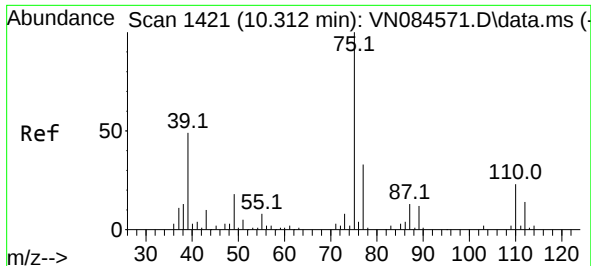
Tgt Ion: 43 Resp: 4107
Ion Ratio Lower Upper
43 100
58 41.5 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.229 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Tgt Ion: 75 Resp: 763
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

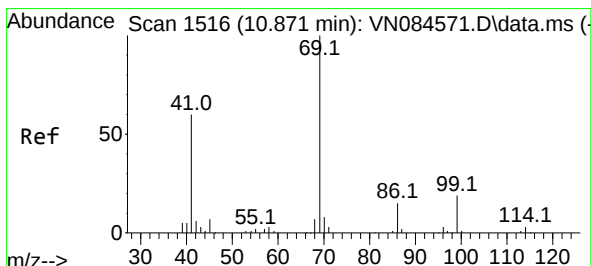
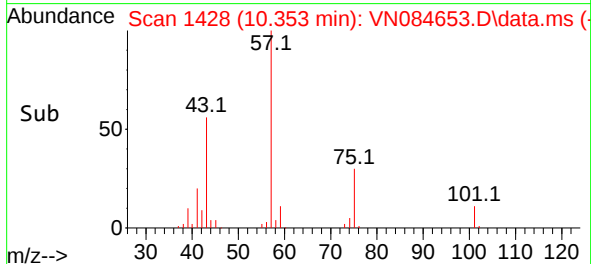
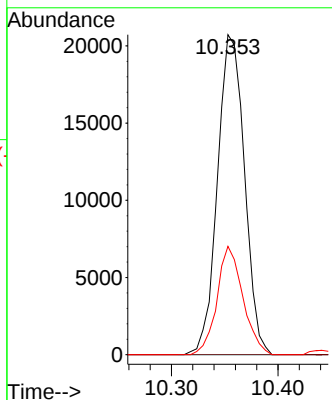
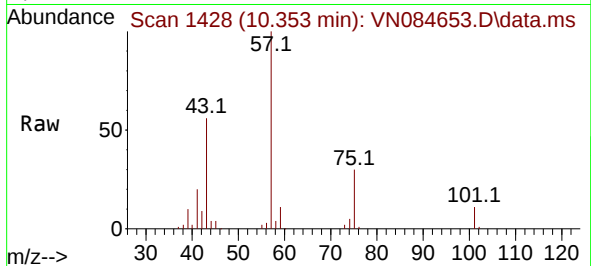




#54
cis-1,3-Dichloropropene
Concen: 10.334 ug/l
RT: 10.353 min Scan# 14
Delta R.T. 0.041 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

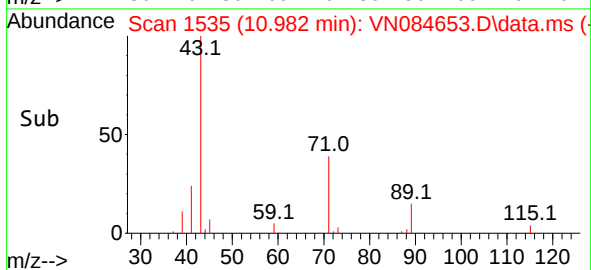
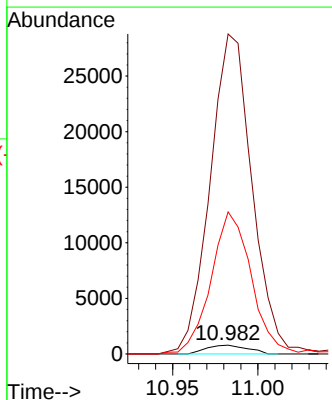
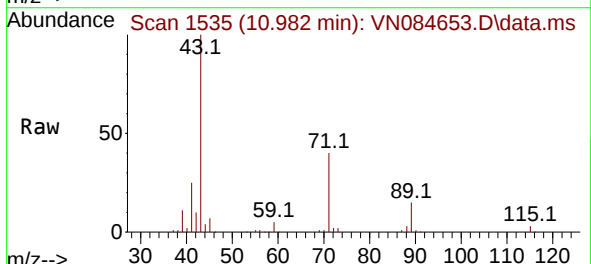
Instrument :
MSVOA_N
ClientSampleId :

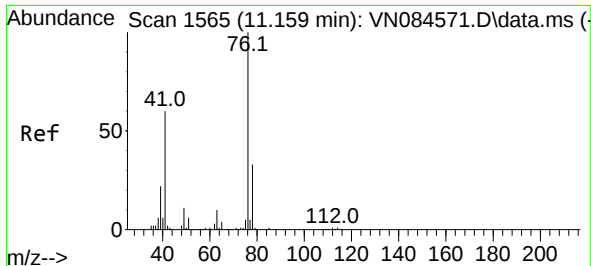
Tgt Ion: 75 Resp: 36449
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 33.9 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.454 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Tgt Ion: 69 Resp: 1336
Ion Ratio Lower Upper
69 100
41 3703.9 53.3 79.9#
39 1587.1 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.288 ug/l

RT: 11.194 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN084653.D

Acq: 04 Nov 2024 13:29

Instrument :

MSVOA_N

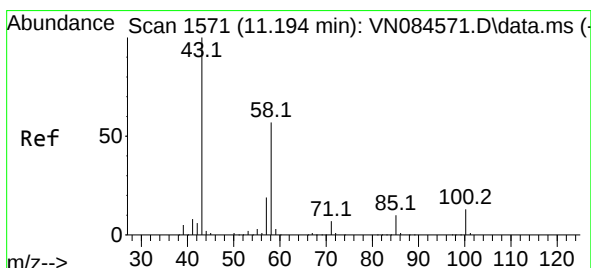
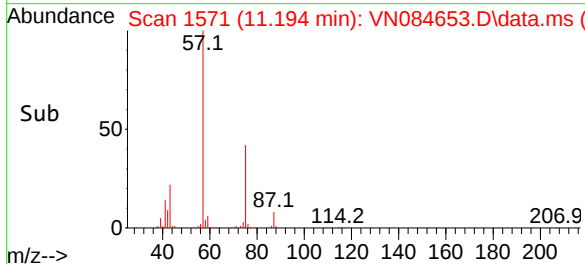
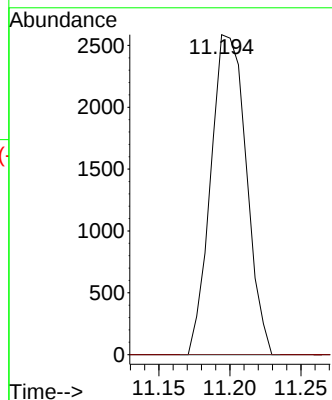
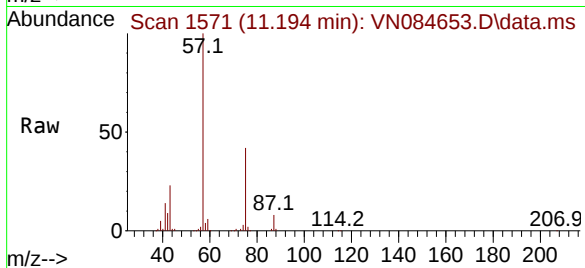
ClientSampleId :

Tgt Ion: 76 Resp: 4492

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 49.709 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084653.D

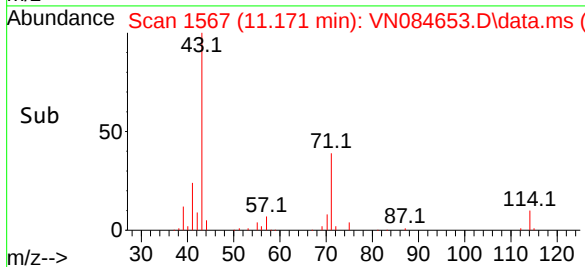
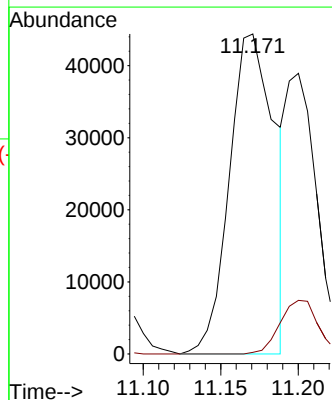
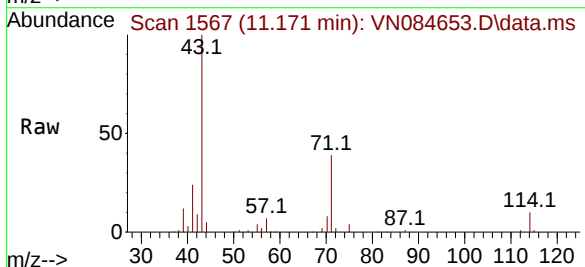
Acq: 04 Nov 2024 13:29

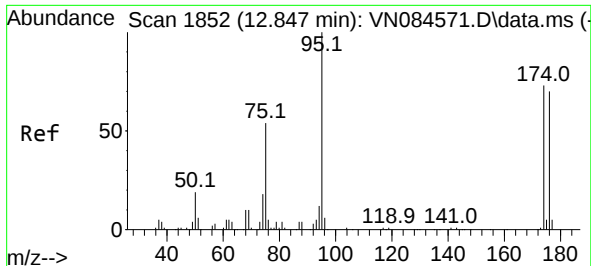
Tgt Ion: 43 Resp: 89914

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

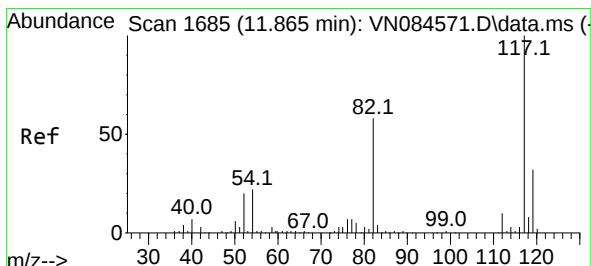
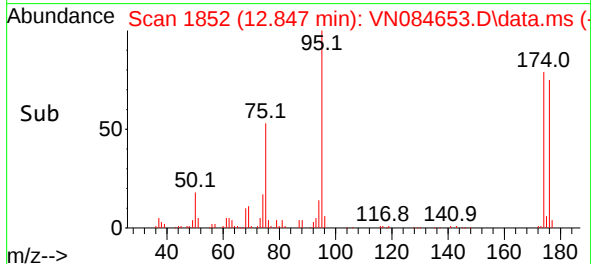
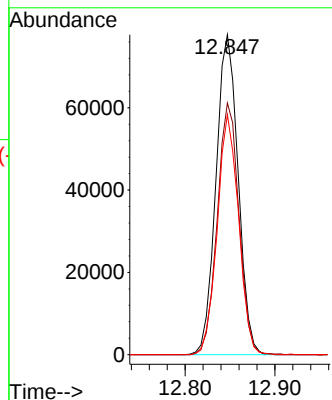
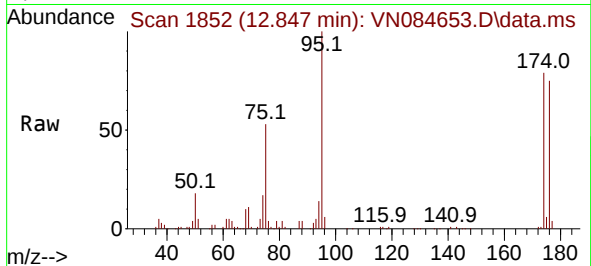




#62
4-Bromofluorobenzene
Concen: 46.618 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

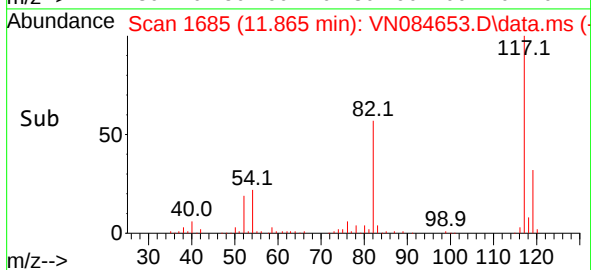
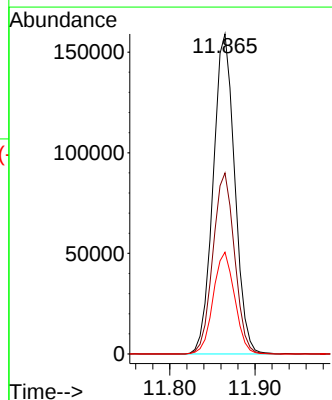
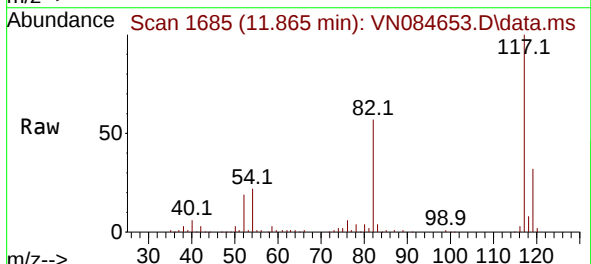
Instrument :
MSVOA_N
ClientSampleId :

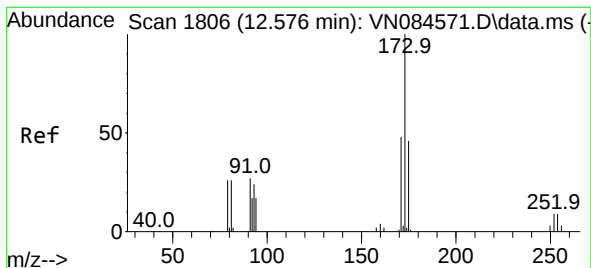
Tgt Ion: 95 Resp: 132955
Ion Ratio Lower Upper
95 100
174 77.3 0.0 145.2
176 72.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Tgt Ion: 117 Resp: 280313
Ion Ratio Lower Upper
117 100
82 56.5 47.2 70.8
119 31.8 25.4 38.0





#71

Bromoform

Concen: 0.355 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084653.D

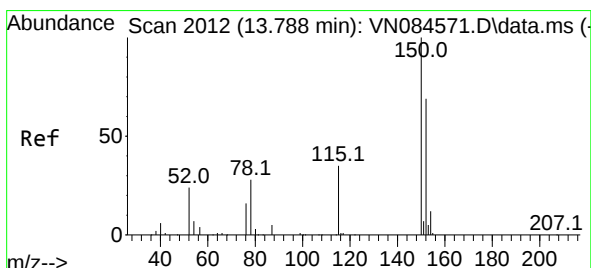
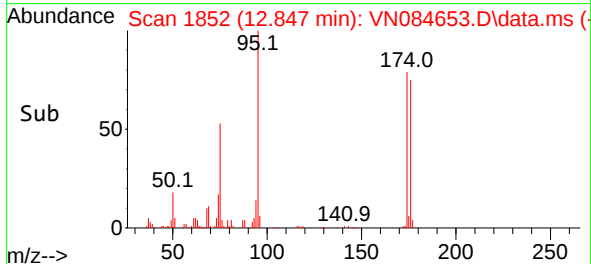
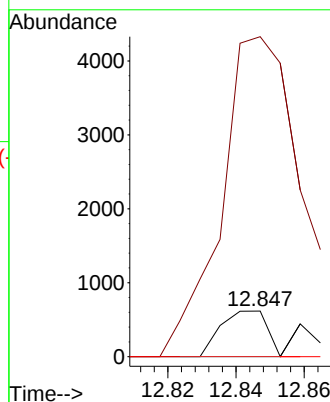
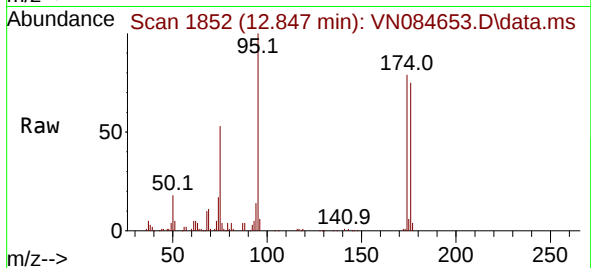
Acq: 04 Nov 2024 13:29

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	583
Ion Ratio	Lower	Upper
173	100	
175	948.2	23.5 70.6#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

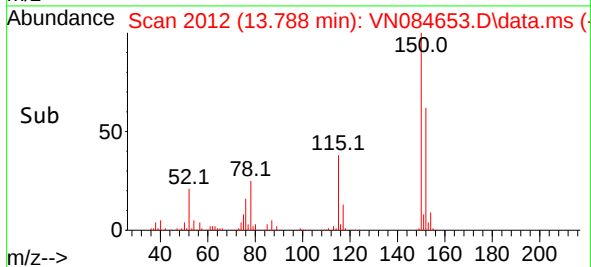
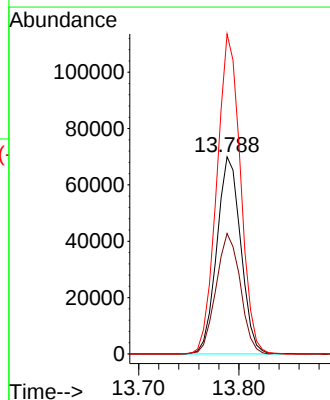
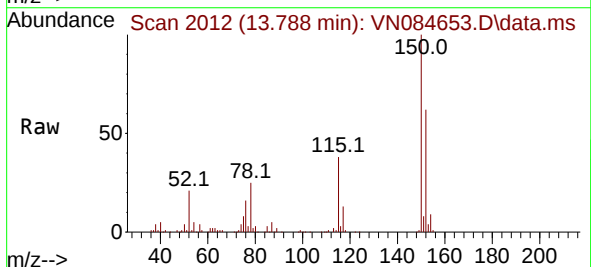
RT: 13.788 min Scan# 1212

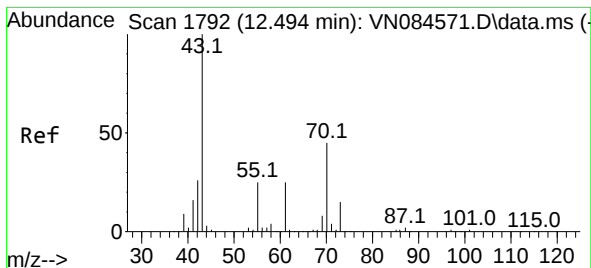
Delta R.T. 0.000 min

Lab File: VN084653.D

Acq: 04 Nov 2024 13:29

Tgt Ion:152	Resp:	115982
Ion Ratio	Lower	Upper
152	100	
115	62.1	31.3 93.9
150	160.5	0.0 349.8





#74

N-amy1 acetate

Concen: 0.245 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

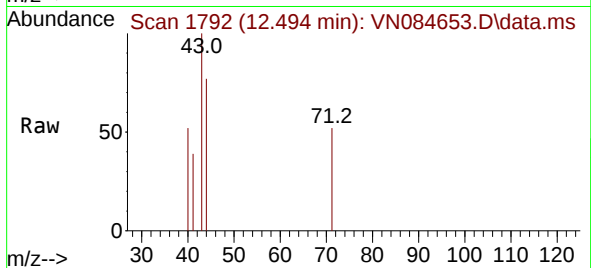
Lab File: VN084653.D

Acq: 04 Nov 2024 13:29

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 848

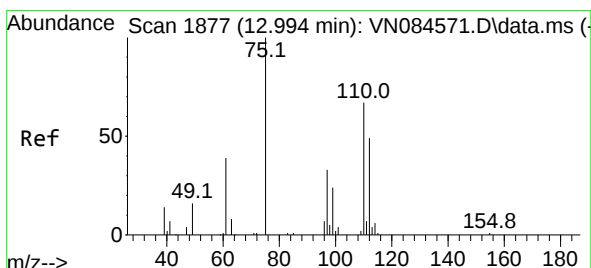
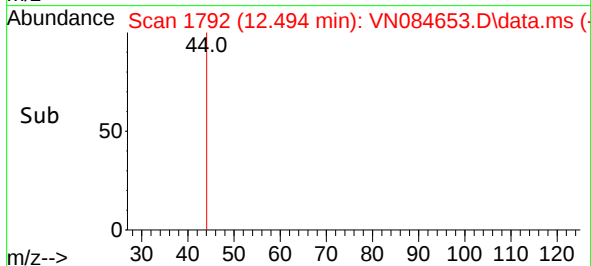
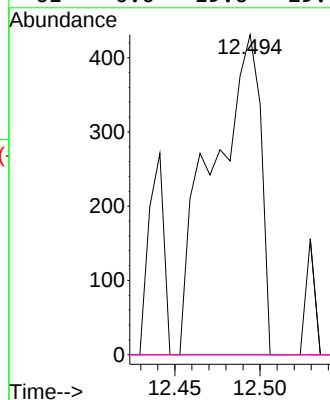
Ion Ratio Lower Upper

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: 29.885 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084653.D

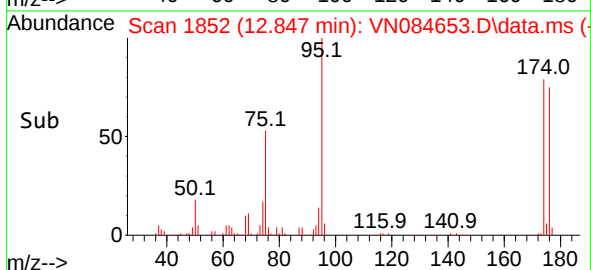
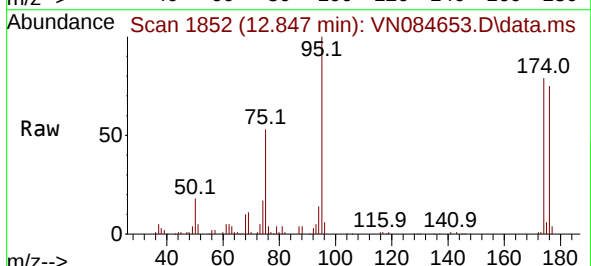
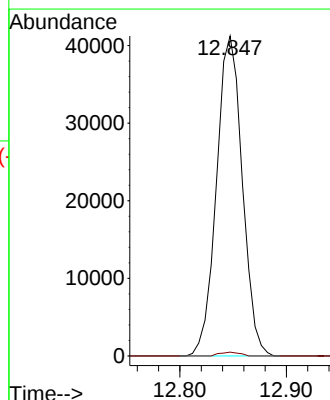
Acq: 04 Nov 2024 13:29

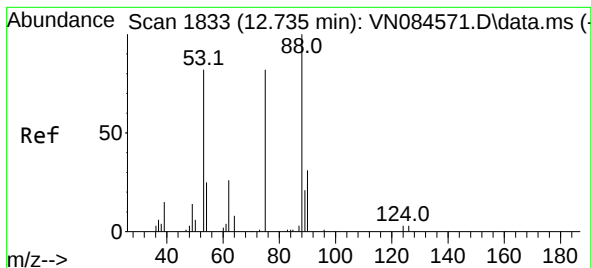
Tgt Ion: 75 Resp: 69286

Ion Ratio Lower Upper

75 100

77 0.9 96.9 290.7#

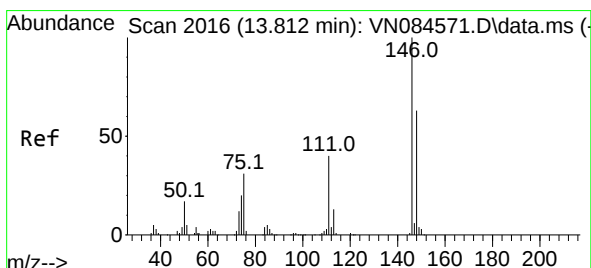
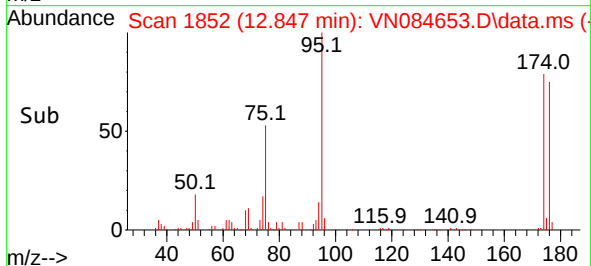
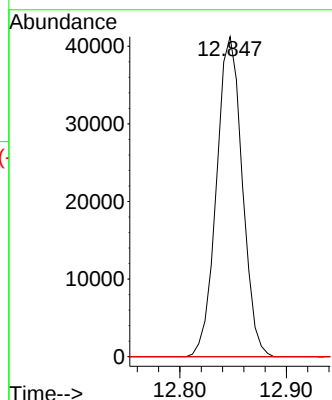
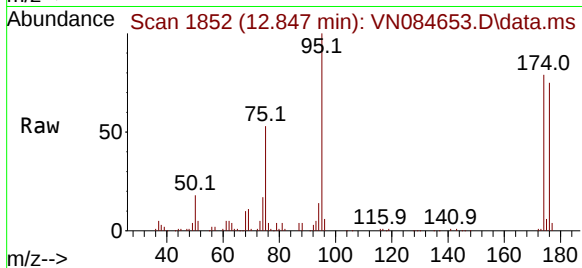




#81
trans-1,4-Dichloro-2-butene
Concen: 70.899 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 69286
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: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084653.D
Acq: 04 Nov 2024 13:29

Tgt Ion:146 Resp: 318
Ion Ratio Lower Upper
146 100
111 471.4 21.2 63.6#
148 177.7 31.9 95.9#

