

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084663.D
 Acq On : 04 Nov 2024 17:29
 Operator : JC\MD
 Sample : P4667-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:31:10 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)

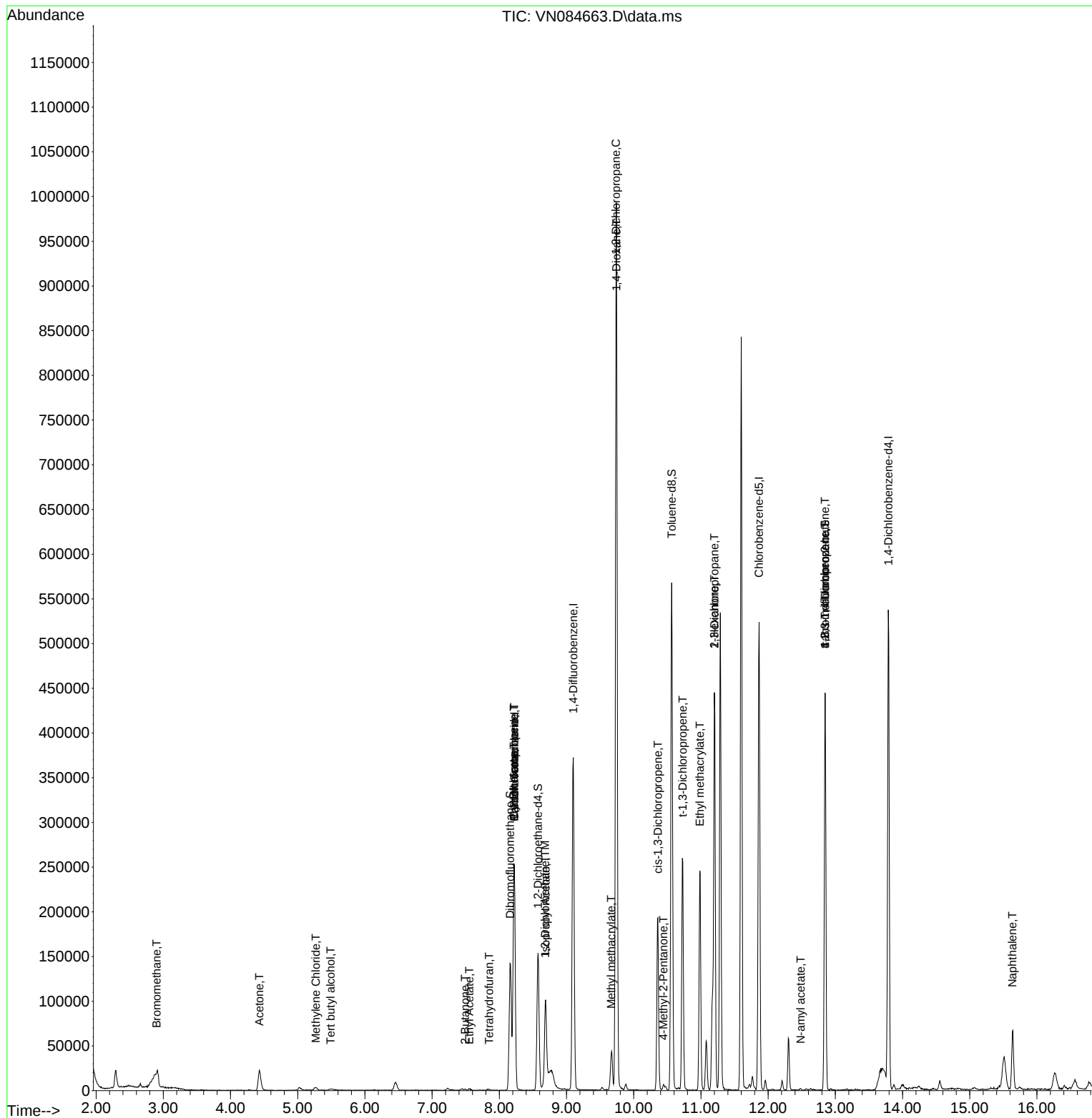
Internal Standards						
1) Pentafluorobenzene	8.224	168	186819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127155	47.124	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.240%		
35) Dibromofluoromethane	8.159	113	104781	47.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.420%		
50) Toluene-d8	10.565	98	391341	48.369	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.740%		
62) 4-Bromofluorobenzene	12.847	95	155296	51.359	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	497	Below Cal	#	41
5) Bromomethane	2.901	94	290	0.237	ug/l #	4
6) Chloroethane	3.171	64	251	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	337	0.946	ug/l #	73
16) Acetone	4.430	43	41719	51.257	ug/l	96
18) Methyl Acetate	5.024	43	6360	Below Cal	#	87
20) Methylene Chloride	5.271	84	2664	1.123	ug/l #	89
25) 2-Butanone	7.489	43	2207	1.753	ug/l #	86
29) Tetrahydrofuran	7.847	42	325	0.389	ug/l #	47
31) Cyclohexane	8.218	56	4024	1.080	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15378	5.048	ug/l #	50
37) Ethyl Acetate	7.553	43	2947	1.066	ug/l #	72
38) Carbon Tetrachloride	8.224	117	20669	6.071	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	747	0.236	ug/l #	75
43) Isopropyl Acetate	8.688	43	129761	24.931	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	1395	0.608	ug/l #	44
48) Methyl methacrylate	9.665	41	3069	1.427	ug/l #	38
49) 1,4-Dioxane	9.741	88	68	1.784	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	8510	3.230	ug/l #	67
53) t-1,3-Dichloropropene	10.730	75	741	0.210	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	36827	9.848	ug/l #	59
56) Ethyl methacrylate	10.982	69	930	0.298	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4541	1.228	ug/l #	42
59) 2-Hexanone	11.200	43	54378	28.356	ug/l #	56
74) N-amyl acetate	12.482	43	1238	0.281	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	81137	27.452	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81137	65.126	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	67	Below Cal	#	24
95) Naphthalene	15.635	128	65609	7.666	ug/l	99

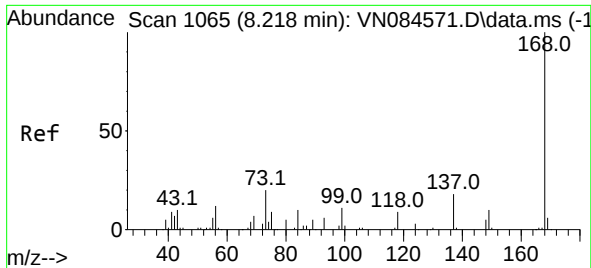
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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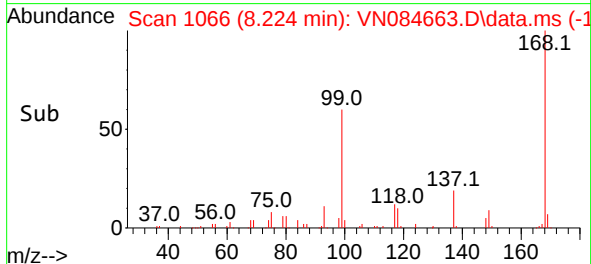
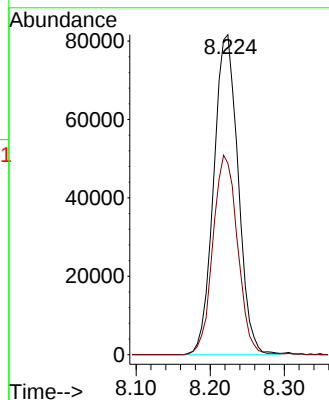
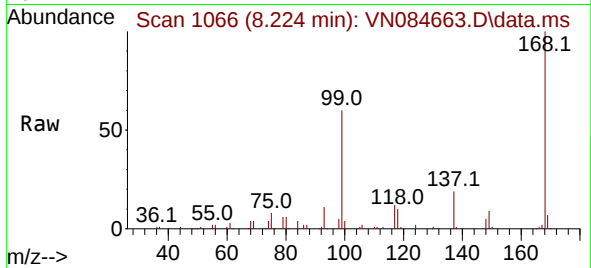




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

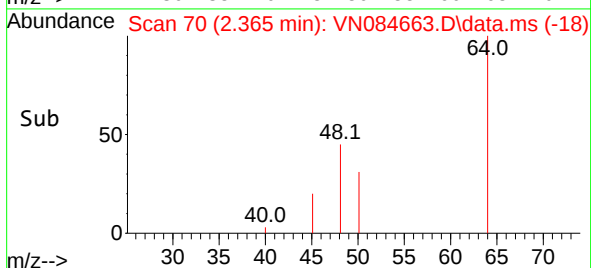
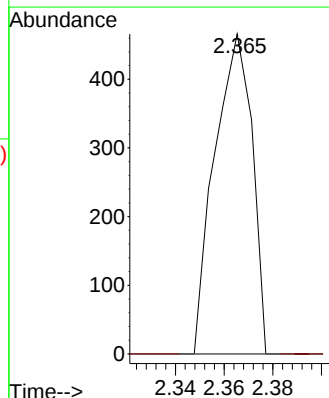
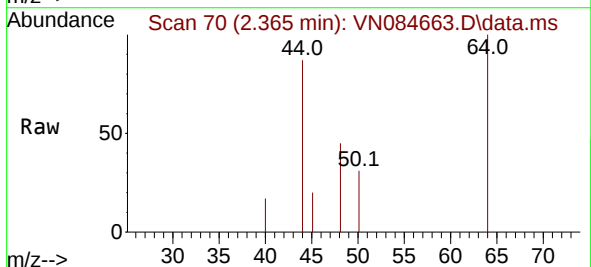
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 186819
Ion Ratio Lower Upper
168 100
99 59.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 50 Resp: 497
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

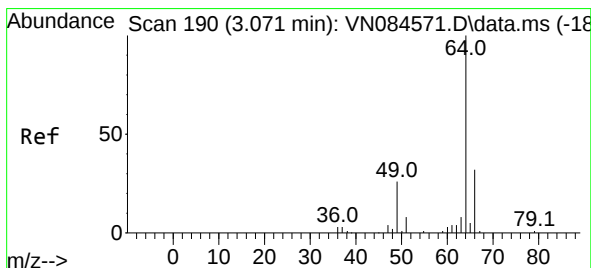
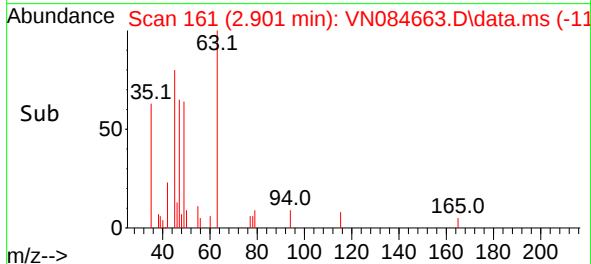
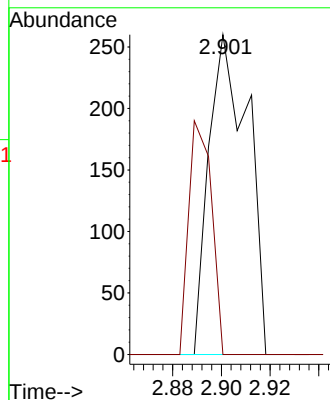
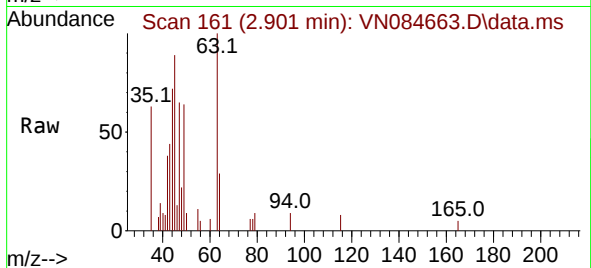




#5
Bromomethane
Concen: 0.237 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.052 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

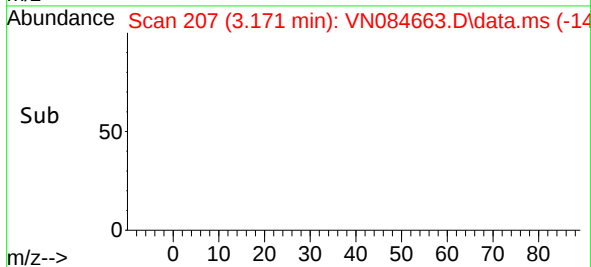
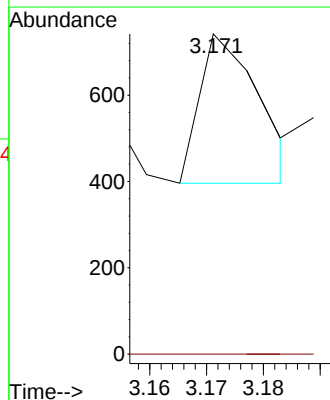
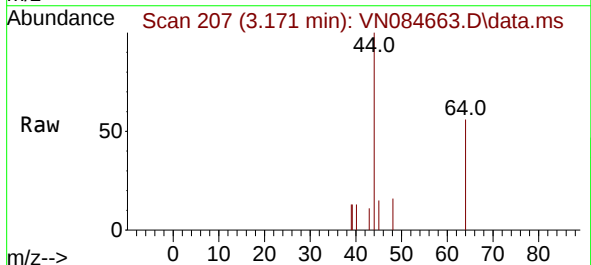
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.171 min Scan# 207
Delta R.T. 0.053 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

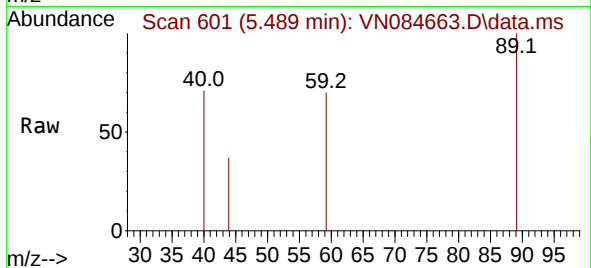
Tgt Ion: 64 Resp: 251
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



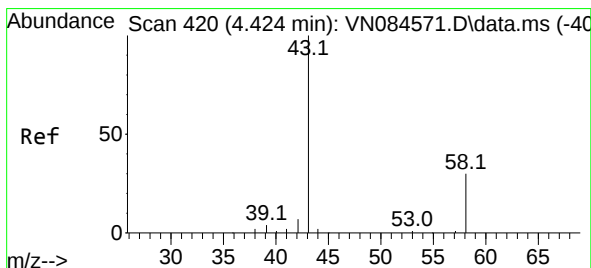
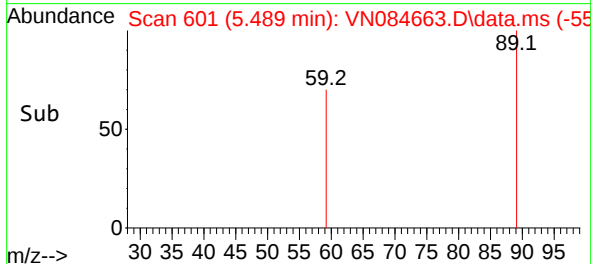
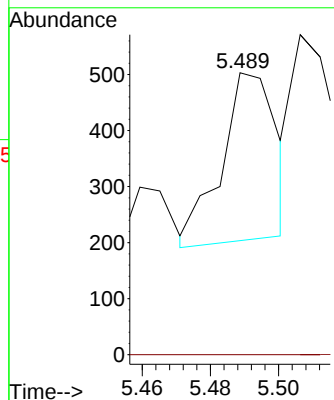


#11
Tert butyl alcohol
Concen: 0.946 ug/l
RT: 5.489 min Scan# 609
Delta R.T. -0.035 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :

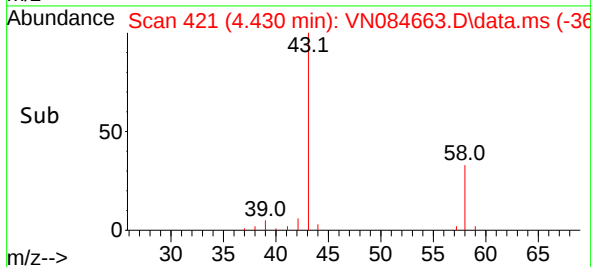
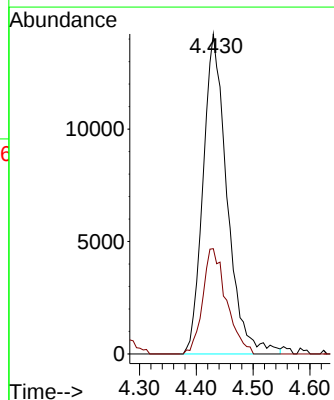
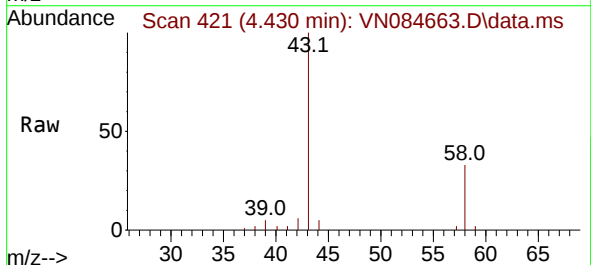


Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 51.257 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 43 Resp: 41719
Ion Ratio Lower Upper
43 100
58 32.9 24.4 36.6





#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

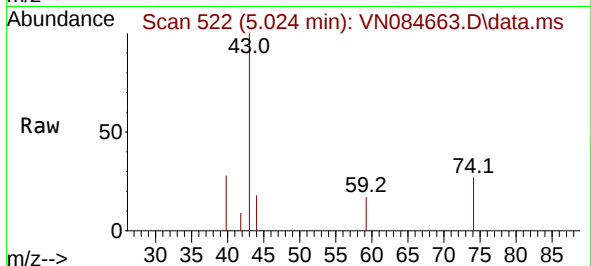
Lab File: VN084663.D

Acq: 04 Nov 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

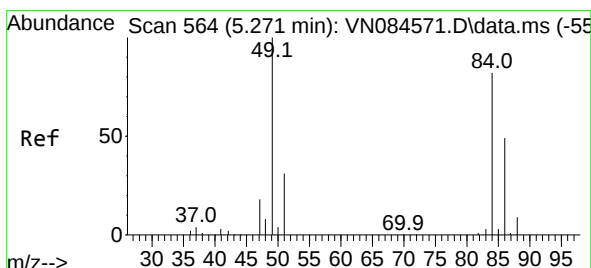
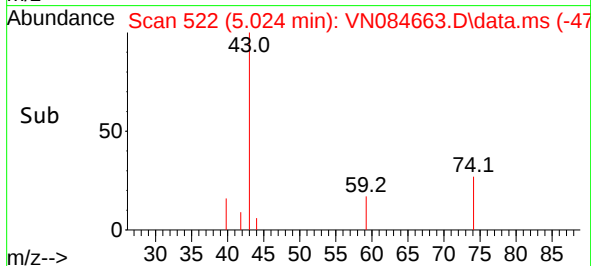
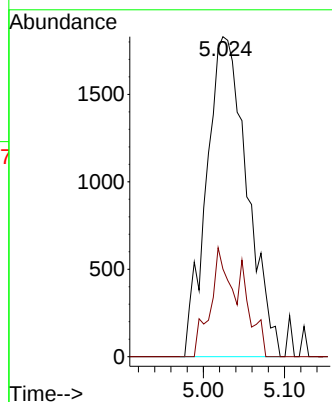


Tgt Ion: 43 Resp: 6360

Ion Ratio Lower Upper

43 100

74 17.7 19.2 28.8#



#20

Methylene Chloride

Concen: 1.123 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN084663.D

Acq: 04 Nov 2024 17:29

Tgt Ion: 84 Resp: 2664

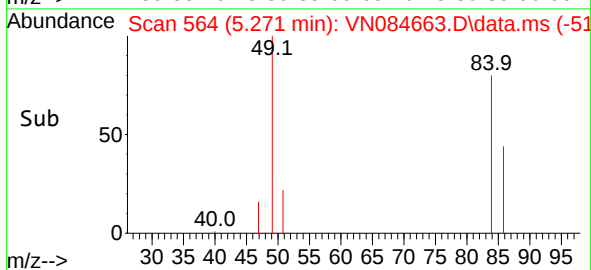
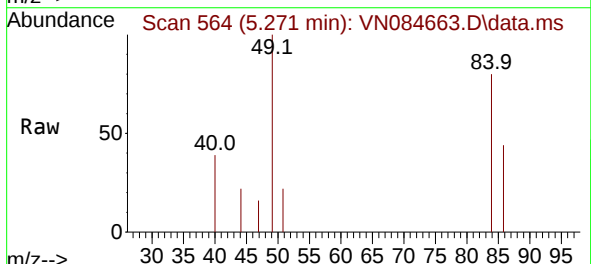
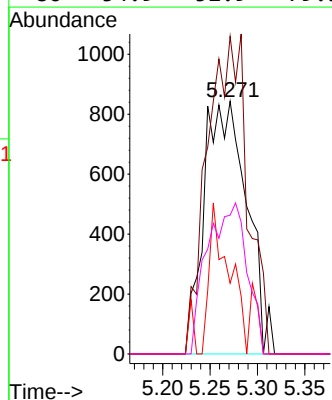
Ion Ratio Lower Upper

84 100

49 125.7 107.2 160.8

51 28.0 31.8 47.8#

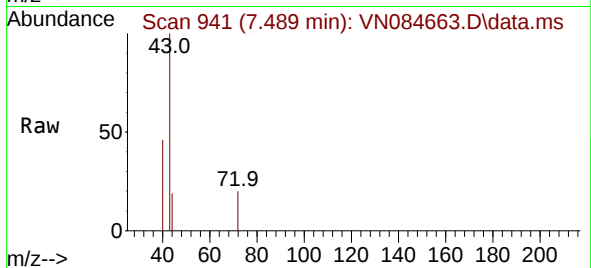
86 54.9 52.9 79.3



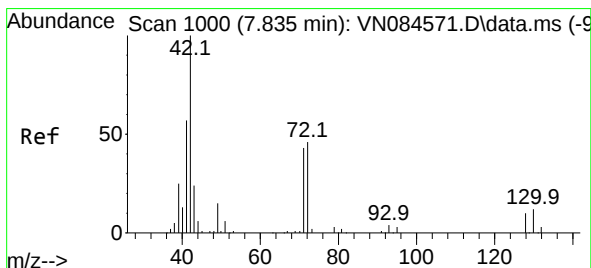
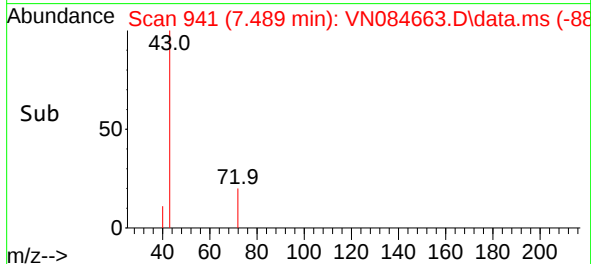
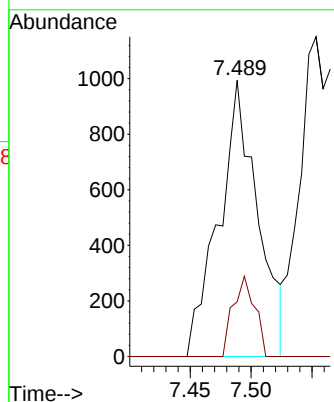


#25
2-Butanone
Concen: 1.753 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :

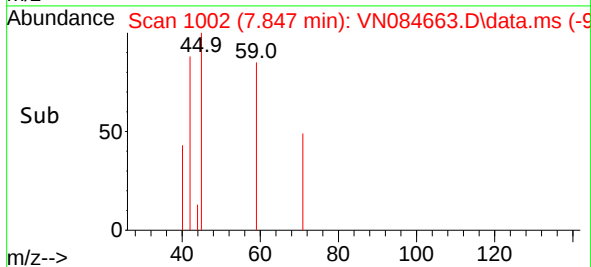
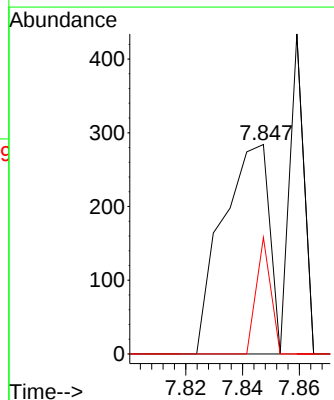
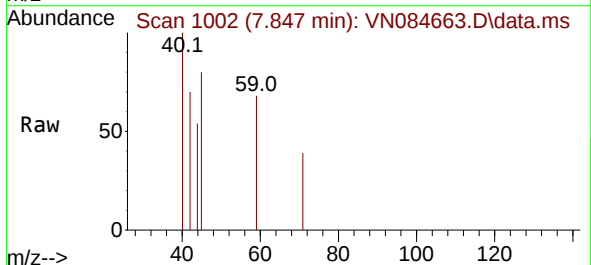


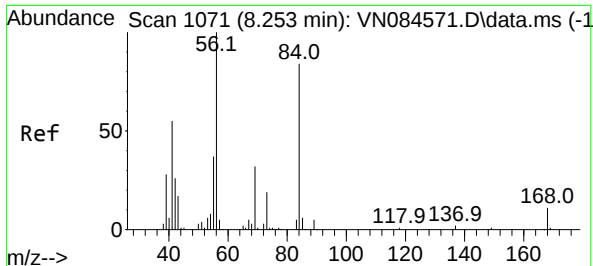
Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
72 19.8 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.389 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

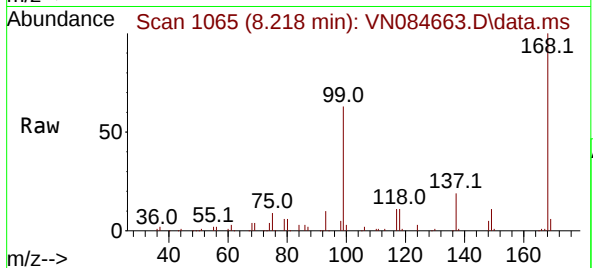
Tgt Ion: 42 Resp: 325
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 17.2 32.2 48.4#





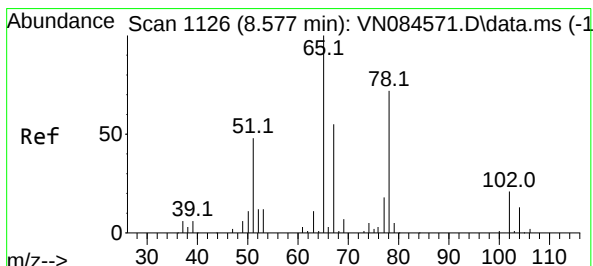
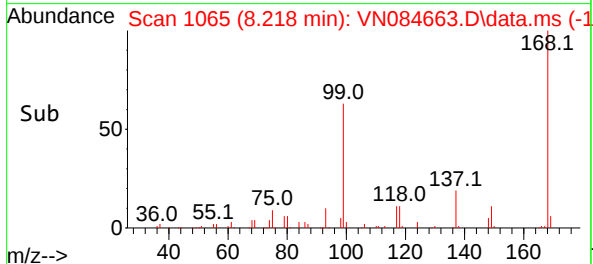
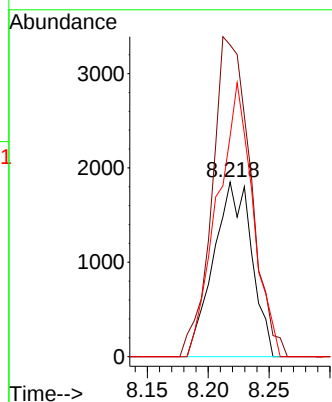
#31
Cyclohexane
Concen: 1.080 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

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MSVOA_N
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Tgt Ion: 56 Resp: 4024

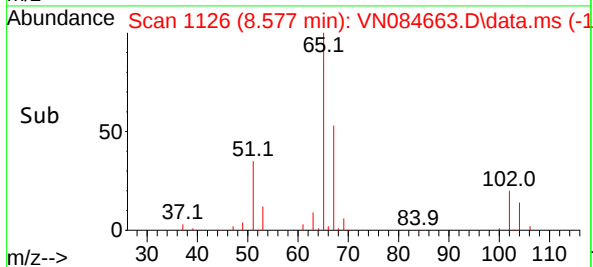
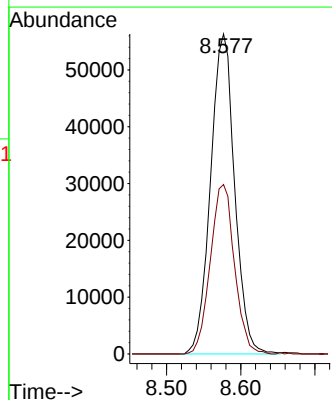
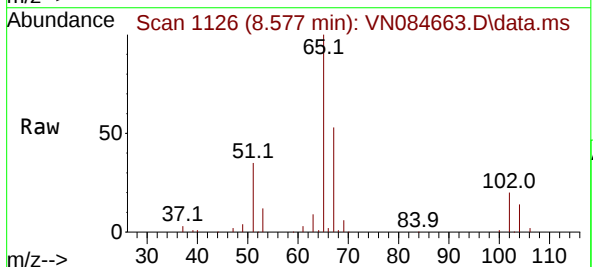
Ion	Ratio	Lower	Upper
56	100		
69	178.5	23.8	35.6#
84	126.3	68.8	103.2#

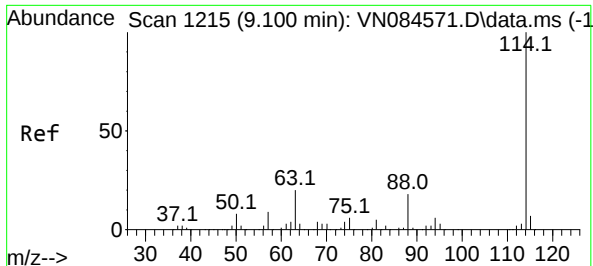


#33
1,2-Dichloroethane-d4
Concen: 47.124 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 65 Resp: 127155

Ion	Ratio	Lower	Upper
65	100		
67	53.1	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: VN084663.D

Acq: 04 Nov 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

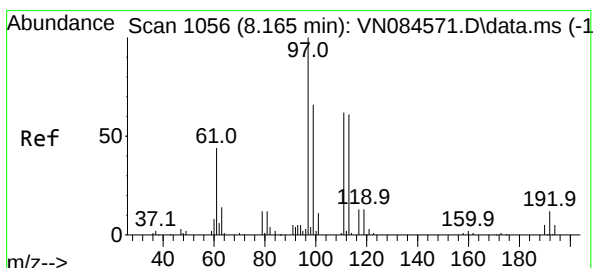
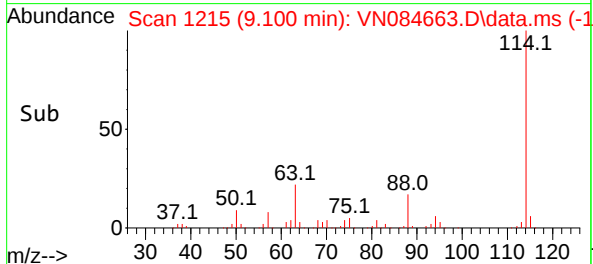
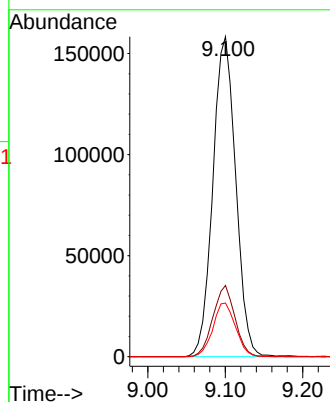
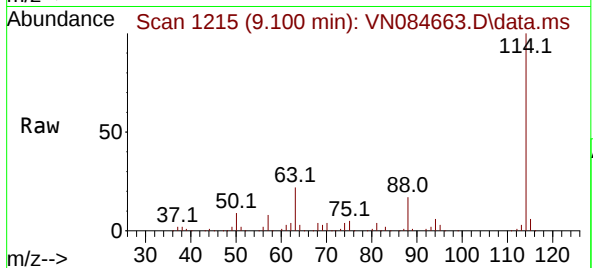
Tgt Ion:114 Resp: 324484

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

88 16.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.707 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084663.D

Acq: 04 Nov 2024 17:29

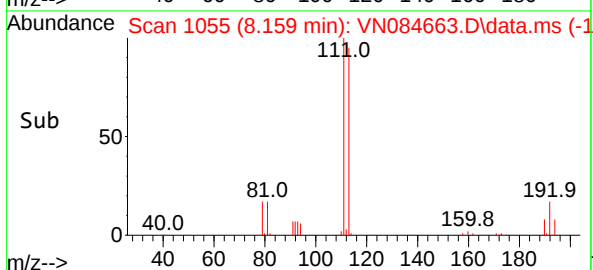
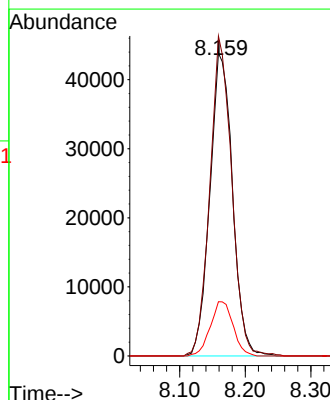
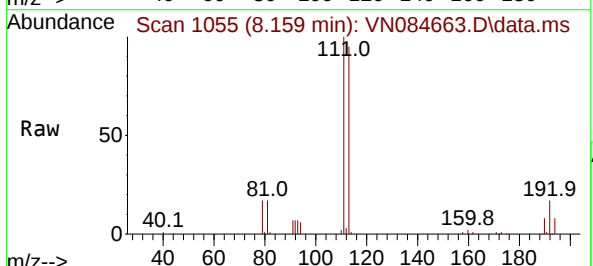
Tgt Ion:113 Resp: 104781

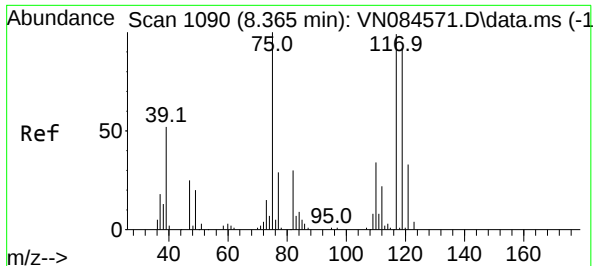
Ion Ratio Lower Upper

113 100

111 102.1 83.3 124.9

192 18.1 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.048 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

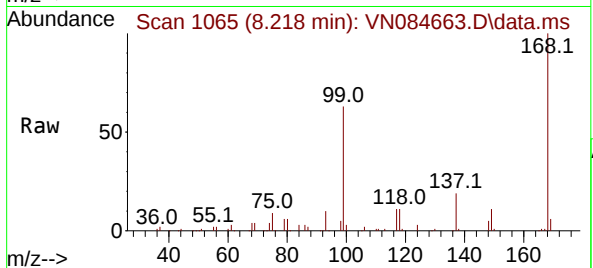
Lab File: VN084663.D

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MSVOA_N

ClientSampleId :



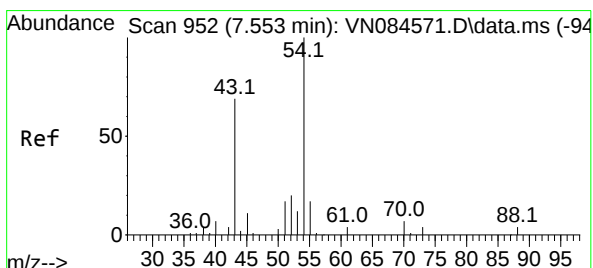
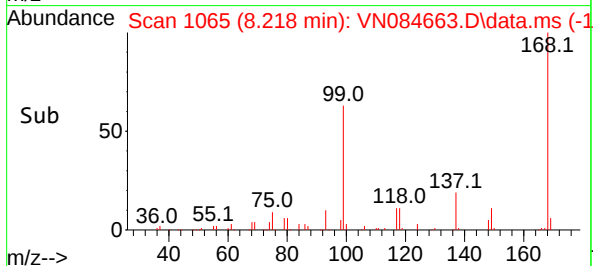
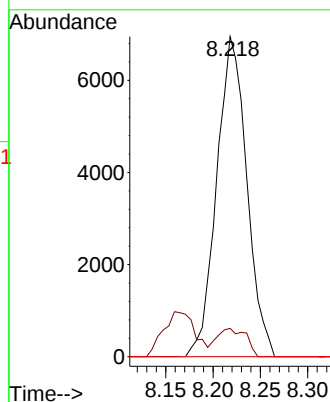
Tgt Ion: 75 Resp: 15378

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.066 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN084663.D

Acq: 04 Nov 2024 17:29

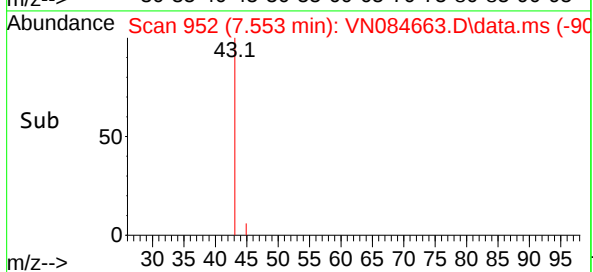
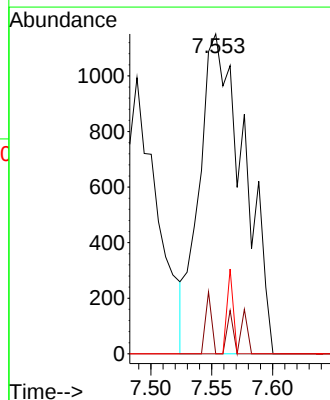
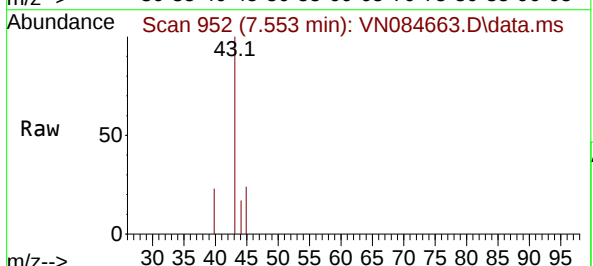
Tgt Ion: 43 Resp: 2947

Ion Ratio Lower Upper

43 100

61 2.7 10.7 16.1#

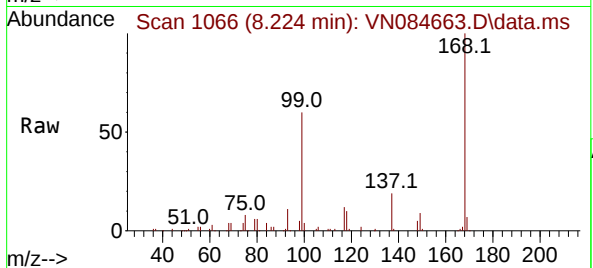
70 0.0 8.8 13.2#



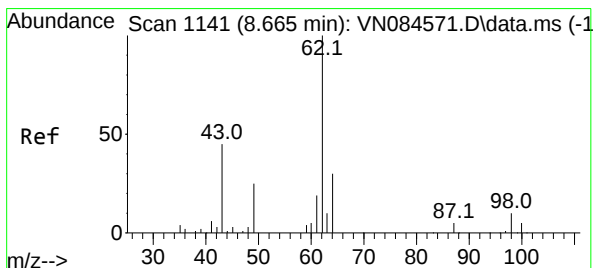
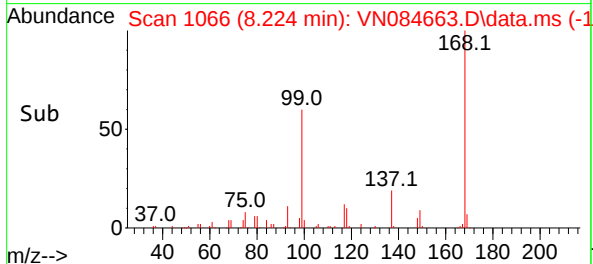
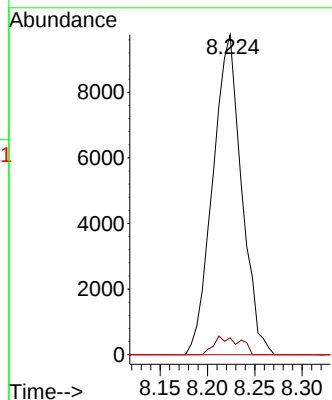


#38
Carbon Tetrachloride
Concen: 6.071 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :

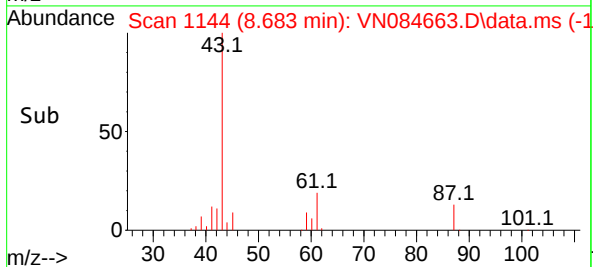
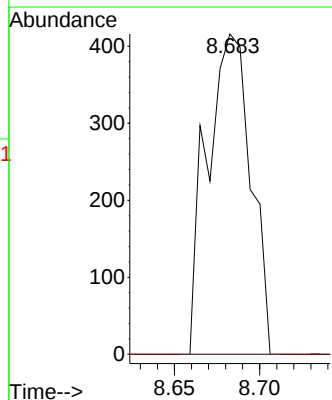
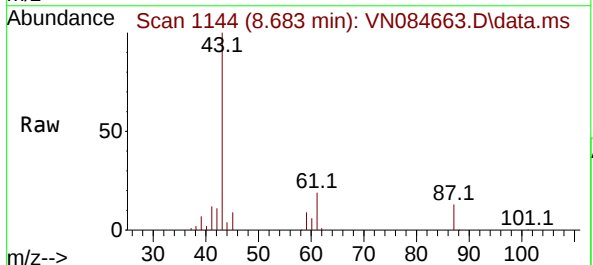


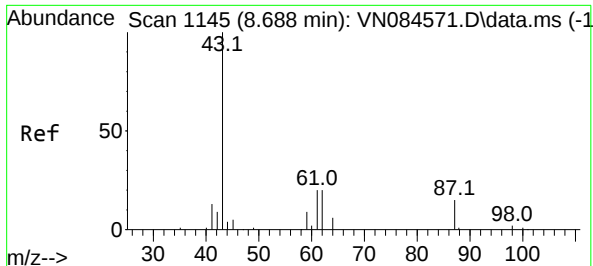
Tgt Ion:117 Resp: 20669
Ion Ratio Lower Upper
117 100
119 5.3 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.236 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 62 Resp: 747
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

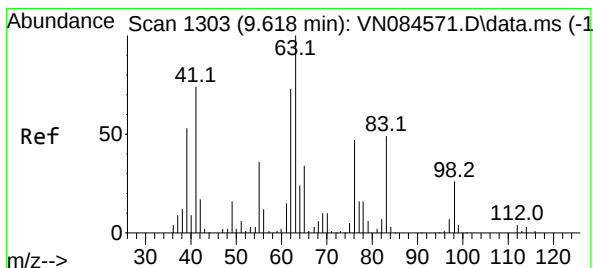
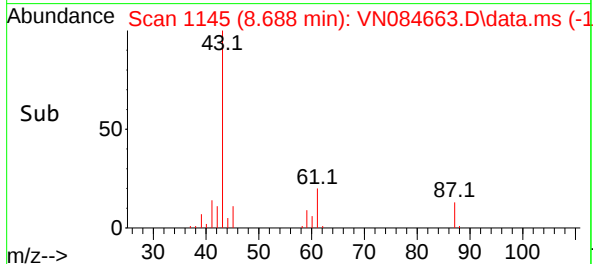
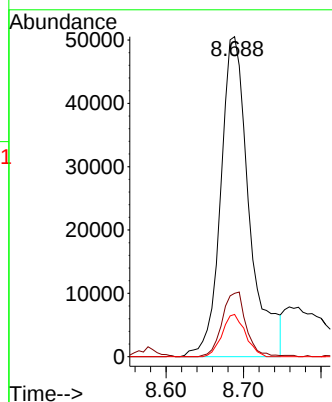
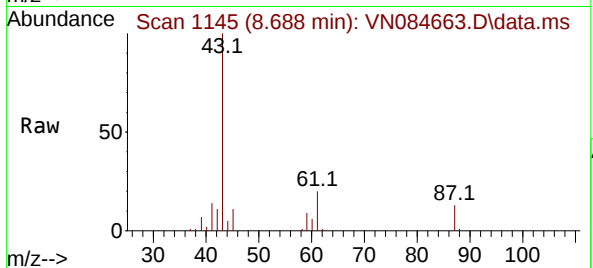




#43
Isopropyl Acetate
Concen: 24.931 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

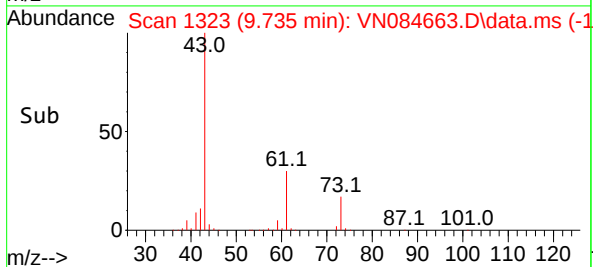
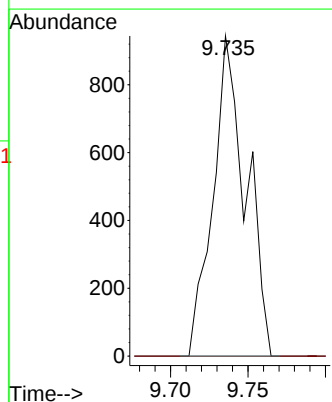
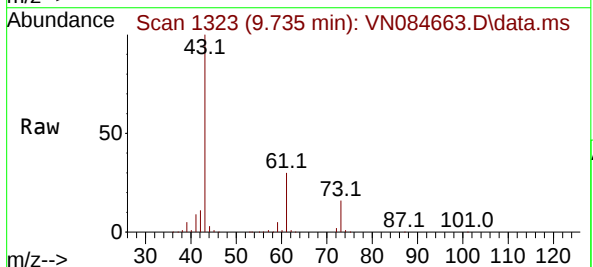
Instrument :
MSVOA_N
ClientSampleId :

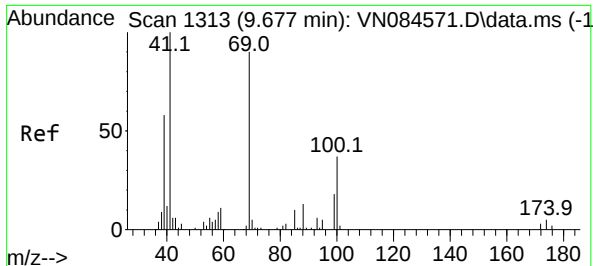
Tgt Ion: 43 Resp: 129761
Ion Ratio Lower Upper
43 100
61 17.0 20.4 30.6#
87 10.7 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.608 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 63 Resp: 1395
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.427 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084663.D

Acq: 04 Nov 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

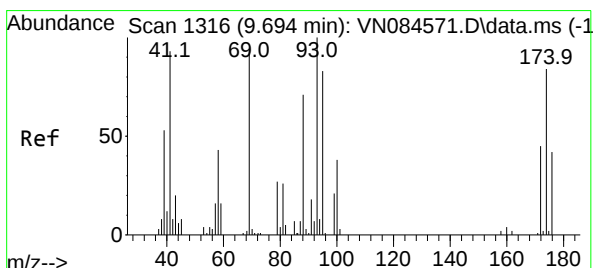
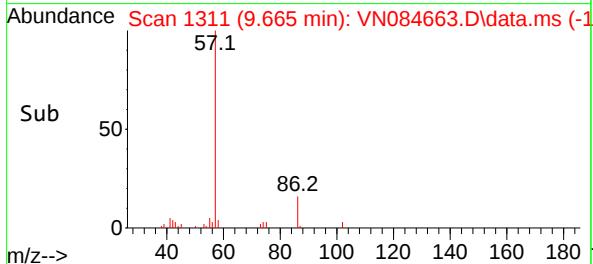
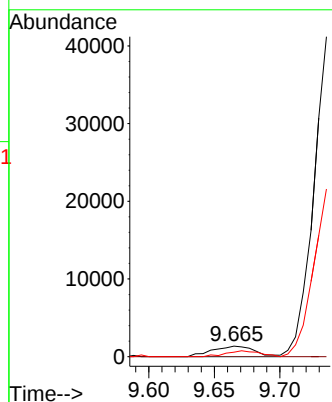
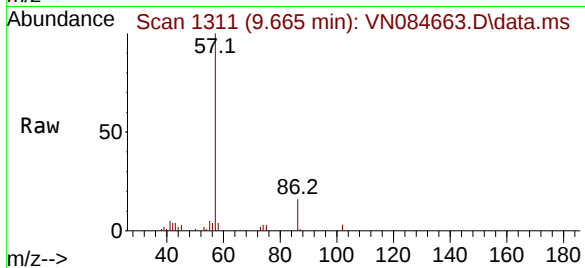
Tgt Ion: 41 Resp: 3069

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 44.8 45.8 68.6#



#49

1,4-Dioxane

Concen: 1.784 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN084663.D

Acq: 04 Nov 2024 17:29

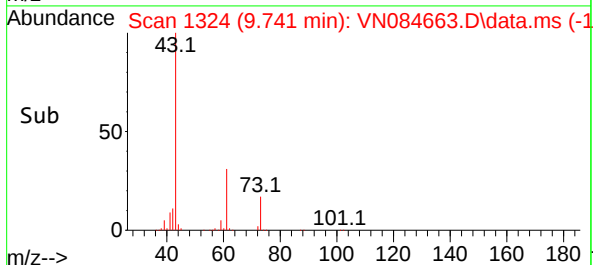
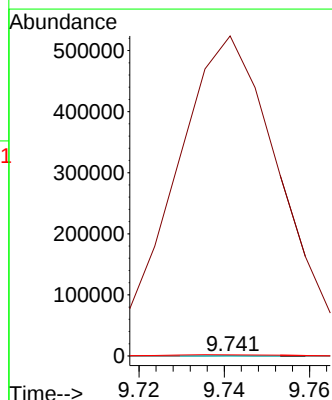
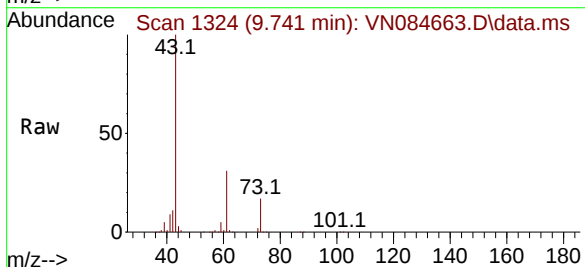
Tgt Ion: 88 Resp: 68

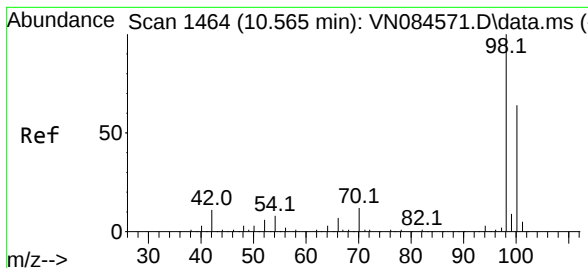
Ion Ratio Lower Upper

88 100

43 1360807.4 25.3 37.9#

58 5942.6 56.4 84.6#

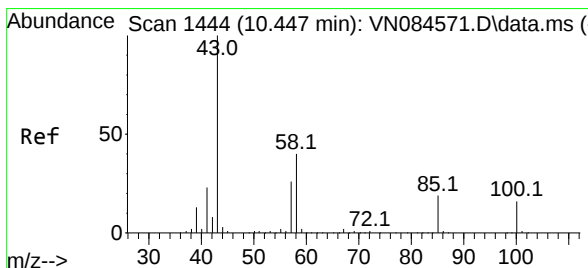
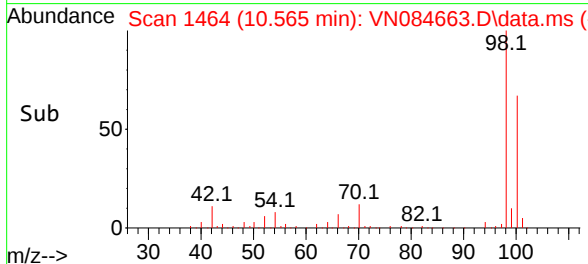
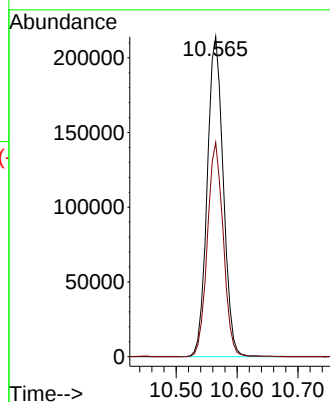
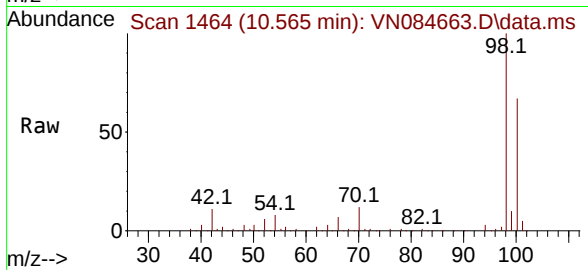




#50
Toluene-d8
Concen: 48.369 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

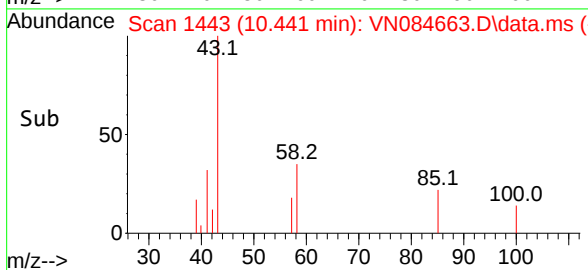
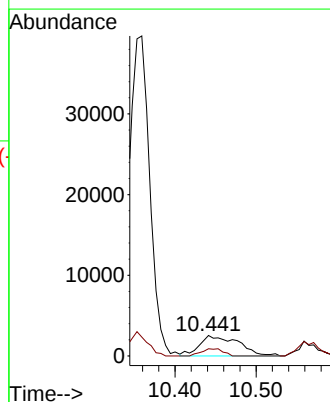
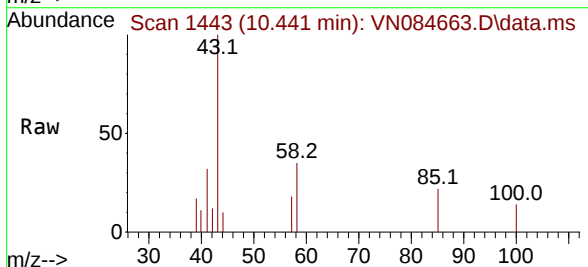
Instrument :
MSVOA_N
ClientSampleId :

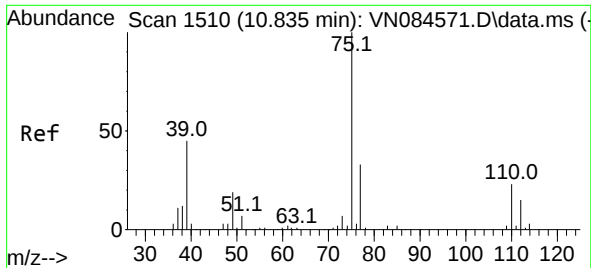
Tgt Ion: 98 Resp: 391341
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.230 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 43 Resp: 8510
Ion Ratio Lower Upper
43 100
58 19.4 31.6 47.4#

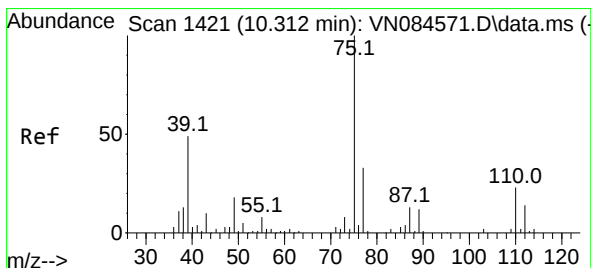
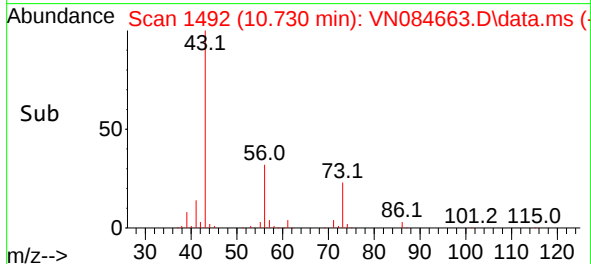
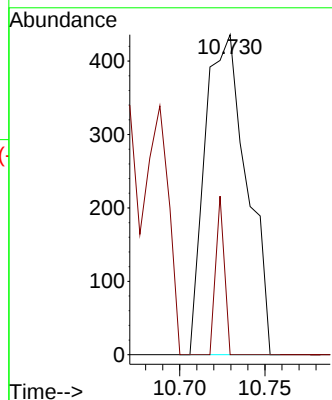
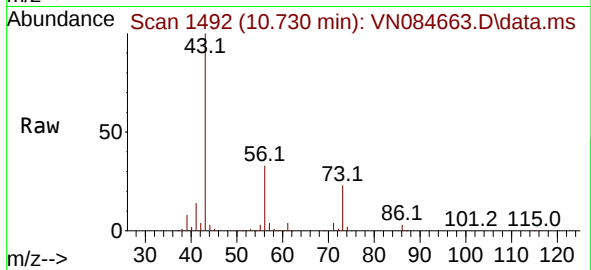




#53
 t-1,3-Dichloropropene
 Concen: 0.210 ug/l
 RT: 10.730 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN084663.D
 Acq: 04 Nov 2024 17:29

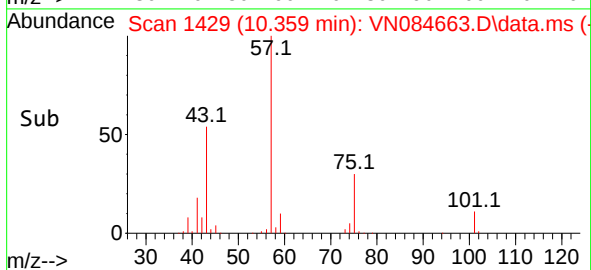
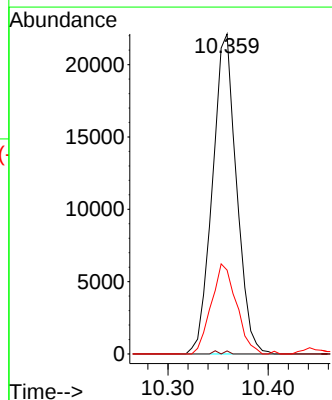
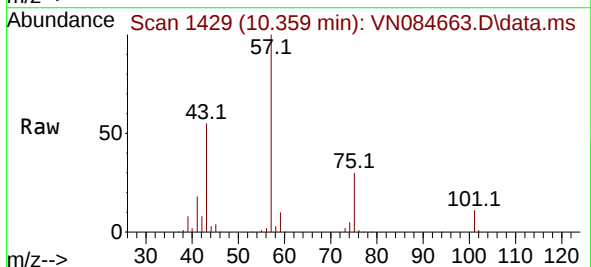
Instrument :
 MSVOA_N
 ClientSampleId :

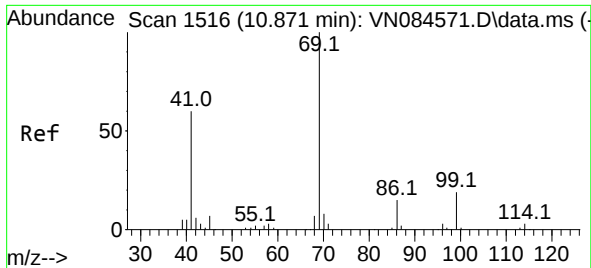
Tgt Ion: 75 Resp: 741
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.848 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084663.D
 Acq: 04 Nov 2024 17:29

Tgt Ion: 75 Resp: 36827
 Ion Ratio Lower Upper
 75 100
 77 1.0 24.2 36.2#
 39 26.2 38.7 58.1#

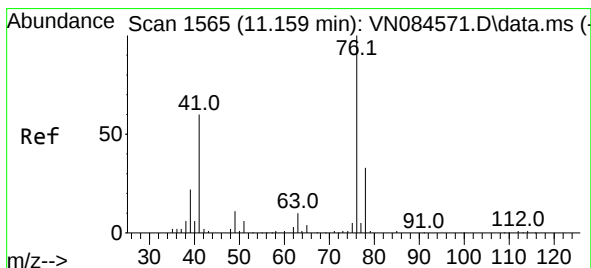
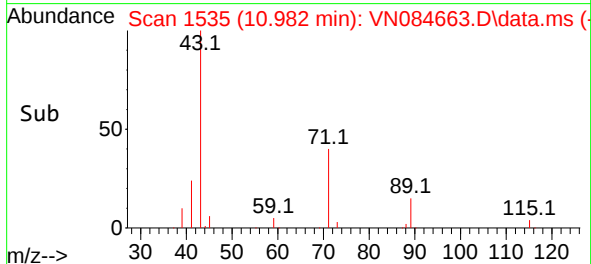
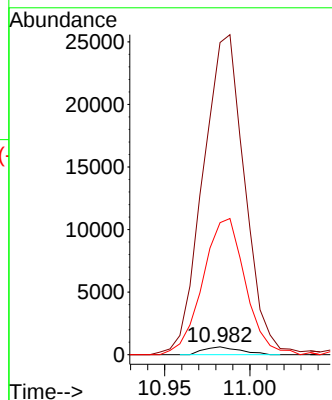
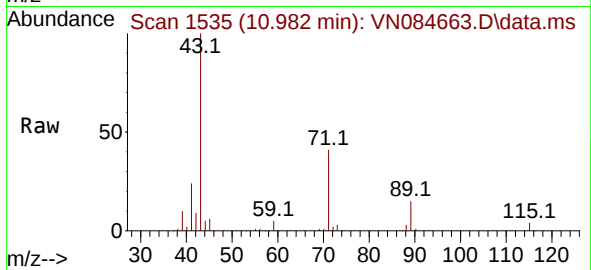




#56
Ethyl methacrylate
Concen: 0.298 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

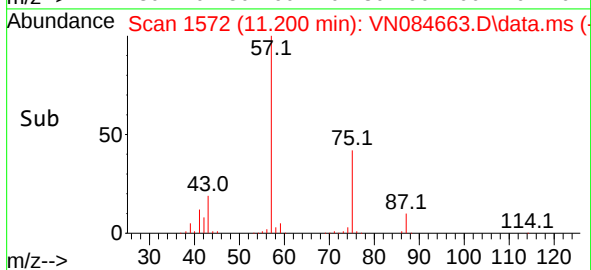
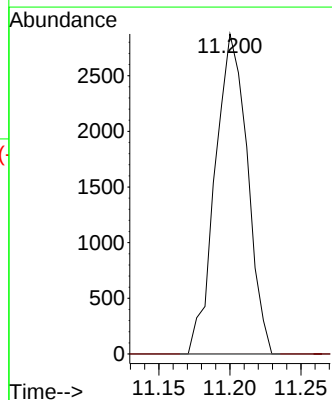
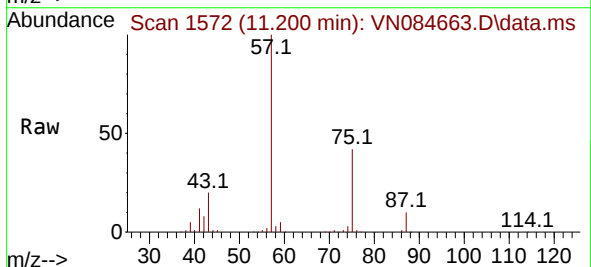
Instrument :
MSVOA_N
ClientSampleId :

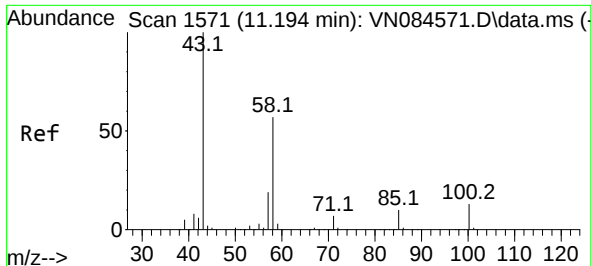
Tgt Ion: 69 Resp: 930
Ion Ratio Lower Upper
69 100
41 4706.8 53.3 79.9#
39 2039.8 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.228 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 76 Resp: 4541
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

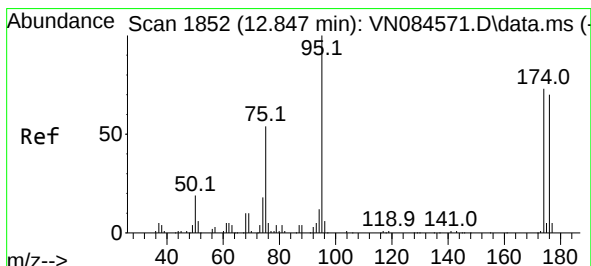
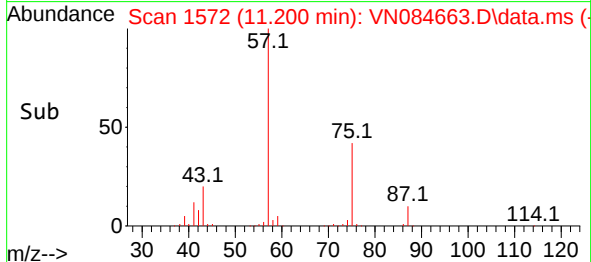
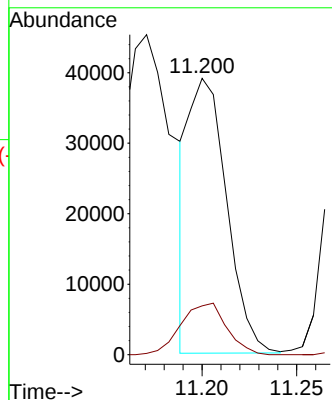
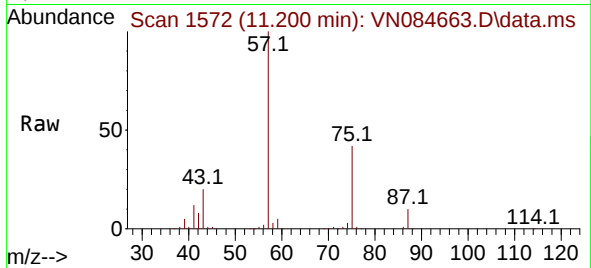




#59
2-Hexanone
Concen: 28.356 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

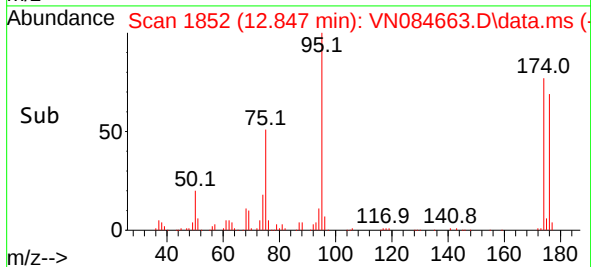
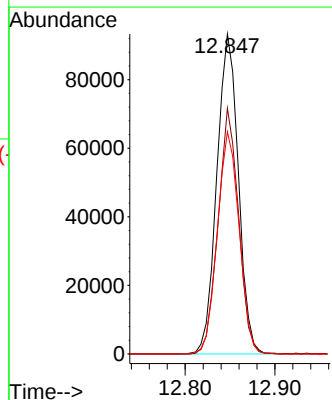
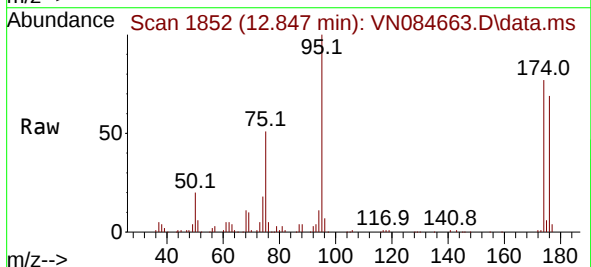
Instrument :
MSVOA_N
ClientSampleId :

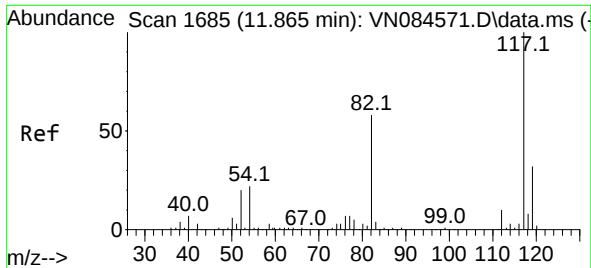
Tgt Ion: 43 Resp: 54378
Ion Ratio Lower Upper
43 100
58 22.6 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 51.359 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 95 Resp: 155296
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.2
176 70.2 0.0 140.0

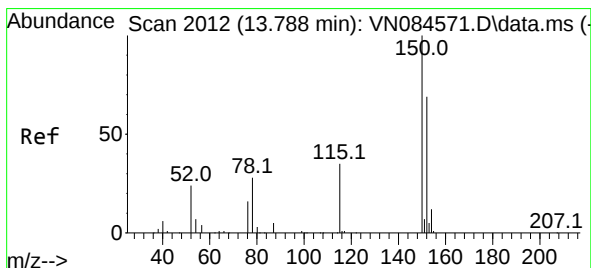
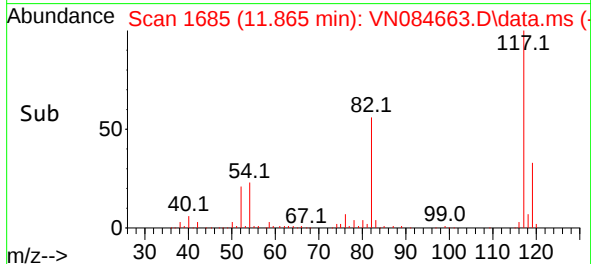
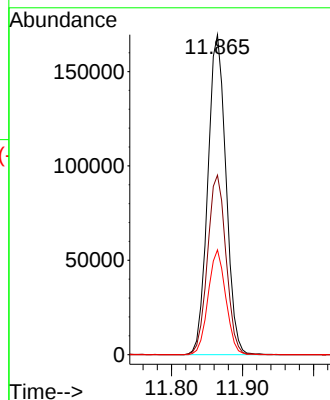
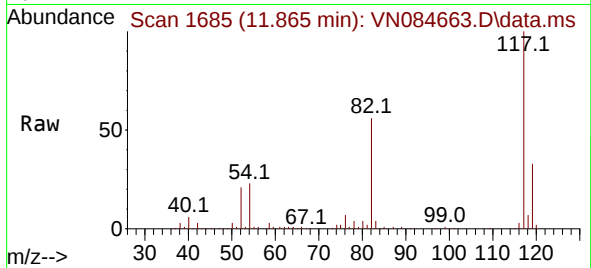




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

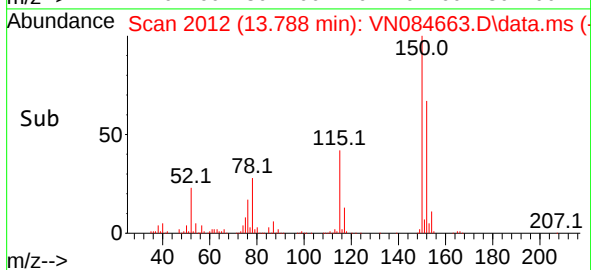
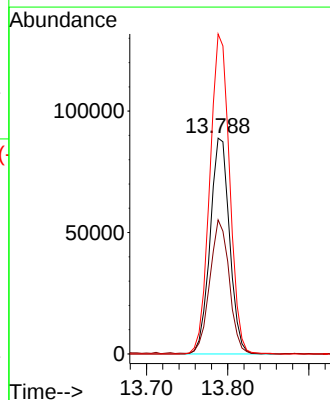
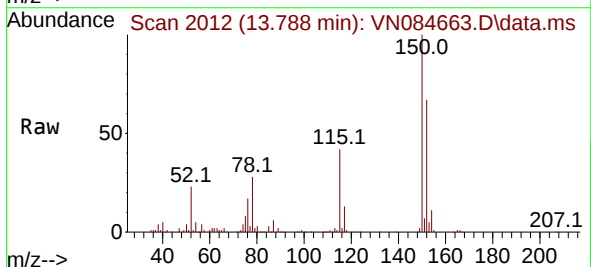
Instrument :
MSVOA_N
ClientSampleId :

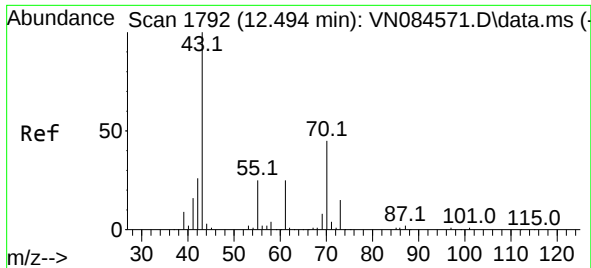
Tgt Ion:117 Resp: 301082
Ion Ratio Lower Upper
117 100
82 56.1 47.2 70.8
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

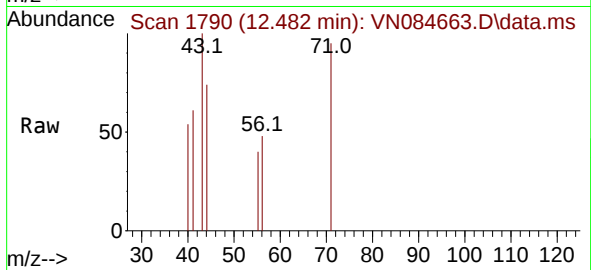
Tgt Ion:152 Resp: 147860
Ion Ratio Lower Upper
152 100
115 62.0 31.3 93.9
150 150.6 0.0 349.8



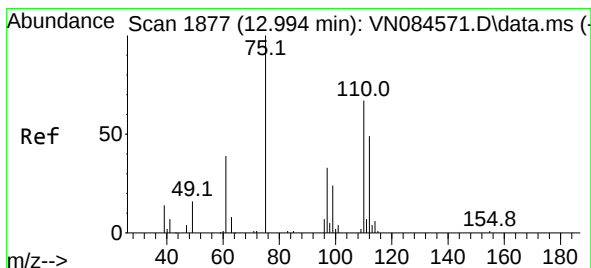
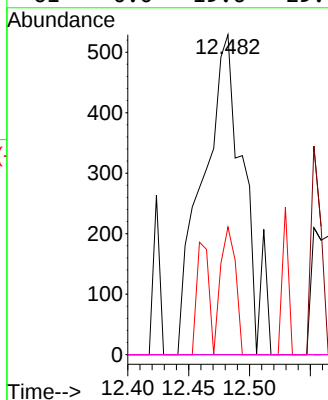
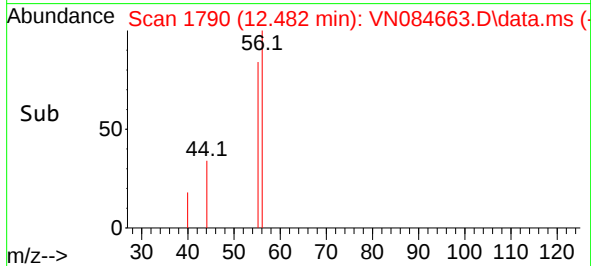


#74
N-amy1 acetate
Concen: 0.281 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :

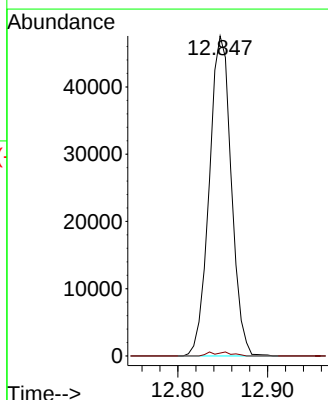
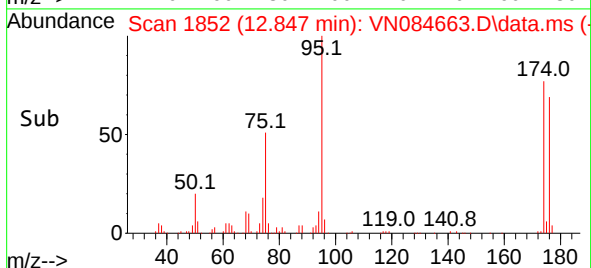
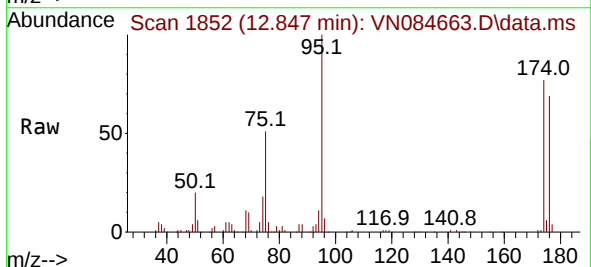


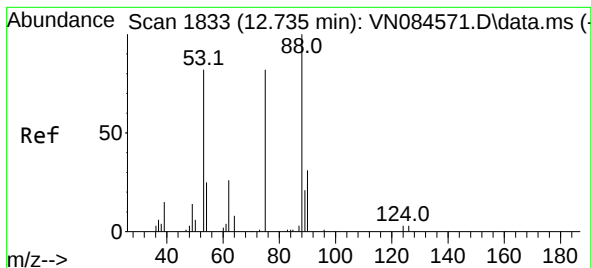
Tgt Ion: 43	Resp: 1238
Ion Ratio	Lower Upper
43 100	
70 0.0	34.4 51.6#
55 14.8	19.6 29.4#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 27.452 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Tgt Ion: 75	Resp: 81137
Ion Ratio	Lower Upper
75 100	
77 0.5	96.9 290.7#

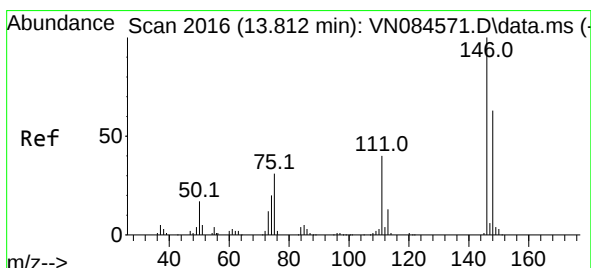
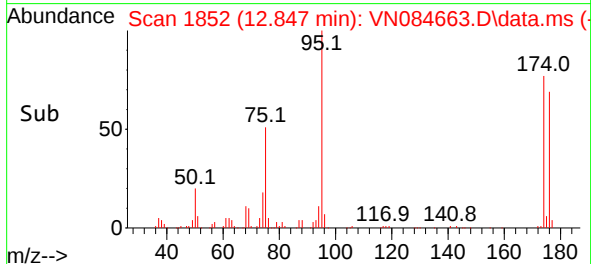
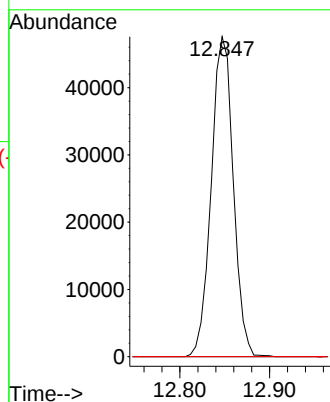
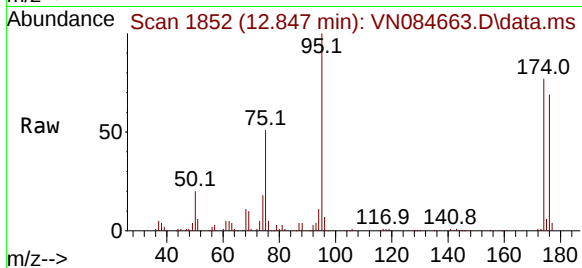




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.126 ug/l
 RT: 12.847 min Scan# 1833
 Delta R.T. 0.112 min
 Lab File: VN084663.D
 Acq: 04 Nov 2024 17:29

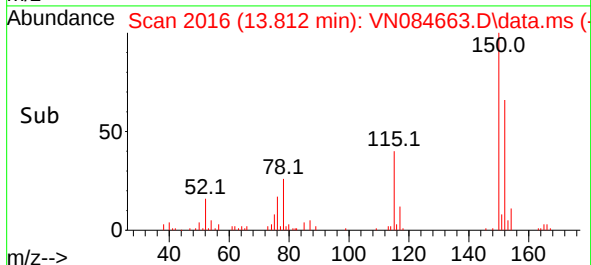
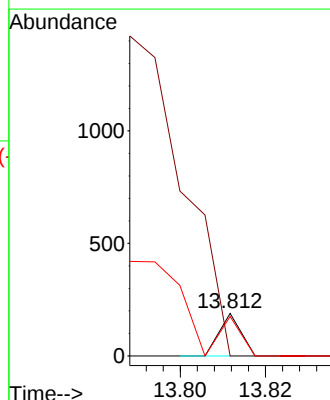
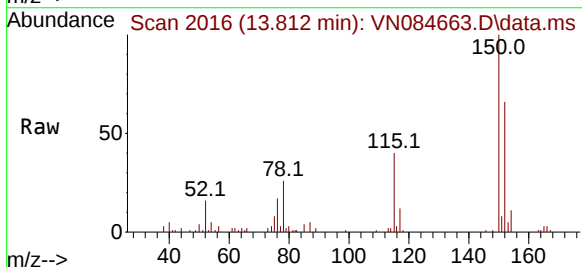
Instrument :
 MSVOA_N
 ClientSampleId :

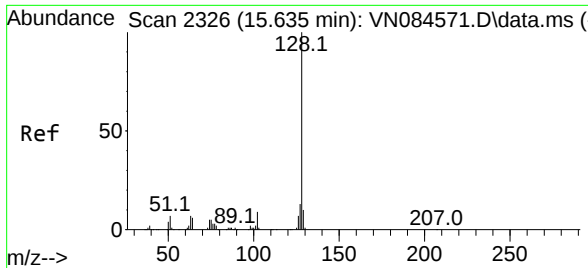
Tgt Ion: 75 Resp: 81137
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.812 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN084663.D
 Acq: 04 Nov 2024 17:29

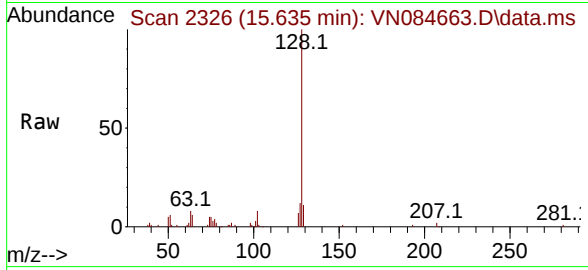
Tgt Ion:146 Resp: 67
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.2 63.6#
 148 0.0 31.9 95.9#





#95
Naphthalene
Concen: 7.666 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN084663.D
Acq: 04 Nov 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	65609
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	10.9	8.7	13.1

