

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084976.D
 Acq On : 20 Nov 2024 18:10
 Operator : JC\MD
 Sample : P4916-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 00:44:31 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)

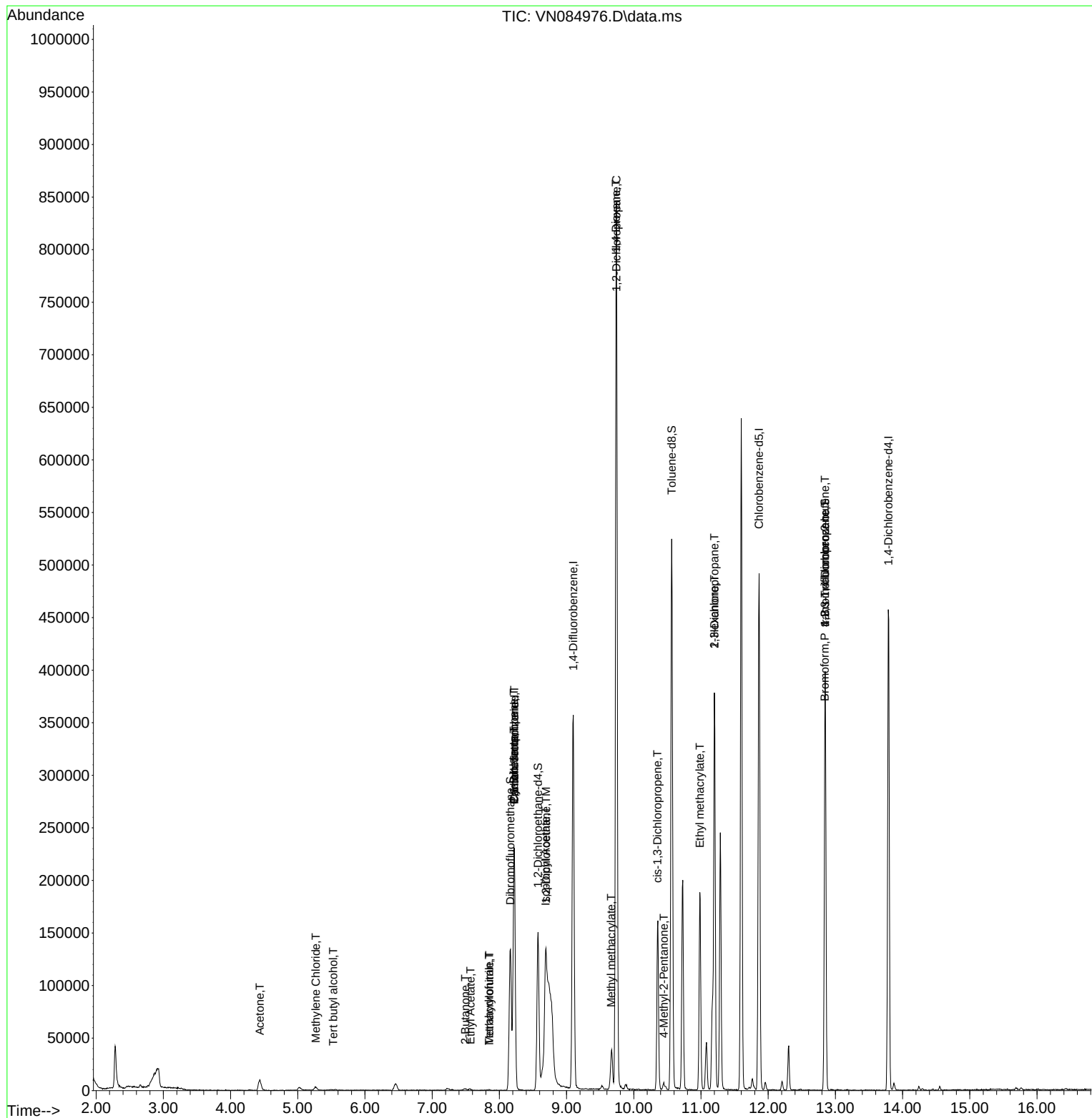
Internal Standards						
1) Pentafluorobenzene	8.224	168	164858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123697	51.949	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.900%			
35) Dibromofluoromethane	8.165	113	98556	47.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.860%			
50) Toluene-d8	10.565	98	358567	47.336	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.680%			
62) 4-Bromofluorobenzene	12.847	95	139867	49.406	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.820%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	500	Below Cal	#	41
6) Chloroethane	3.130	64	309	Below Cal	#	45
11) Tert butyl alcohol	5.530	59	529	1.683	ug/l #	73
16) Acetone	4.436	43	19141	25.265	ug/l	94
18) Methyl Acetate	5.024	43	5333	Below Cal	#	80
20) Methylene Chloride	5.271	84	2347	1.121	ug/l	85
25) 2-Butanone	7.494	43	2924	2.632	ug/l #	75
29) Tetrahydrofuran	7.847	42	480	0.651	ug/l #	34
31) Cyclohexane	8.218	56	3665	1.115	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14603	5.120	ug/l #	50
37) Ethyl Acetate	7.571	43	2462	0.951	ug/l #	71
38) Carbon Tetrachloride	8.224	117	17450	5.474	ug/l #	17
41) Methacrylonitrile	7.853	41	317	0.228	ug/l #	24
42) 1,2-Dichloroethane	8.694	62	687	0.232	ug/l #	75
43) Isopropyl Acetate	8.688	43	347207	73.080	ug/l #	66
45) 1,2-Dichloropropane	9.741	63	927	0.431	ug/l #	44
48) Methyl methacrylate	9.665	41	2551	1.267	ug/l #	43
49) 1,4-Dioxane	9.735	88	55	1.541	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7891	3.199	ug/l #	66
54) cis-1,3-Dichloropropene	10.353	75	28699	8.197	ug/l #	64
56) Ethyl methacrylate	10.982	69	1069	0.366	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3836	1.108	ug/l #	42
59) 2-Hexanone	11.200	43	46156	25.707	ug/l #	57
71) Bromoform	12.841	173	657	0.399	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	73606	29.669	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73606	70.387	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	290	Below Cal	#	1

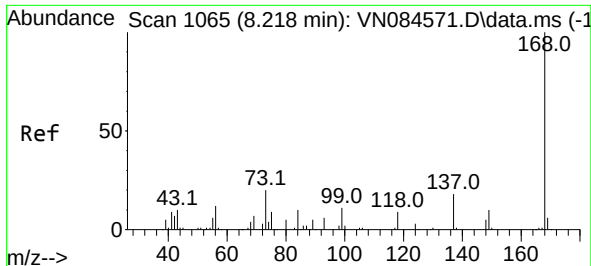
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

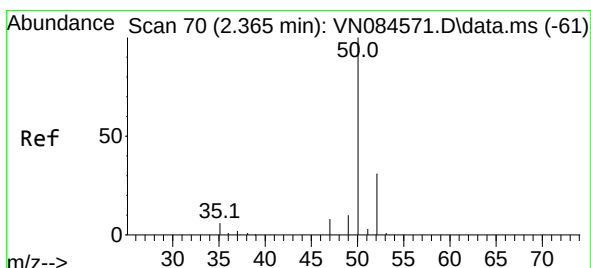
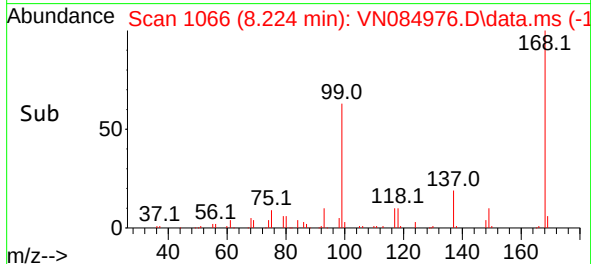
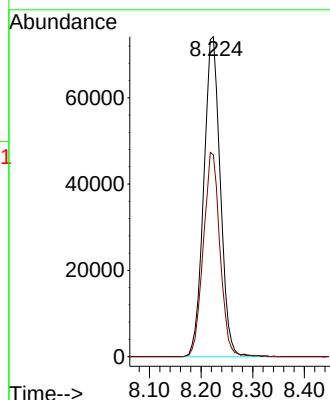
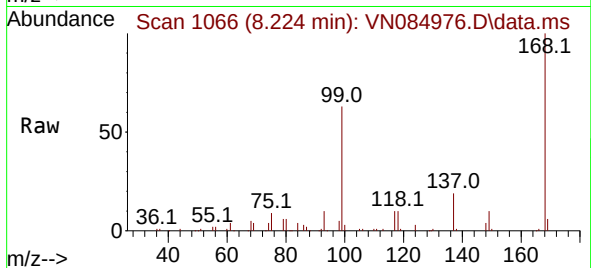




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

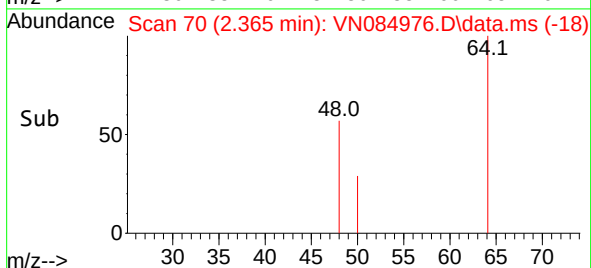
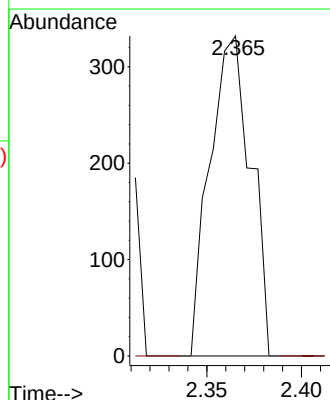
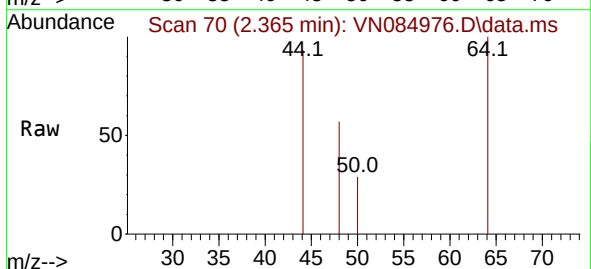
Instrument :
MSVOA_N
ClientSampleId :

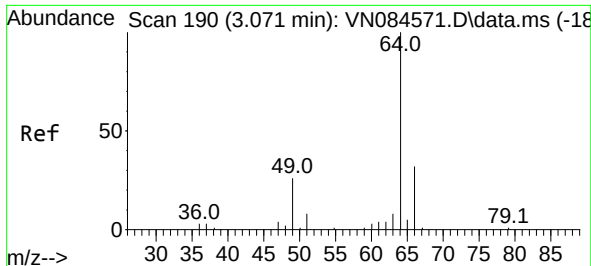
Tgt Ion:168 Resp: 164858
Ion Ratio Lower Upper
168 100
99 63.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

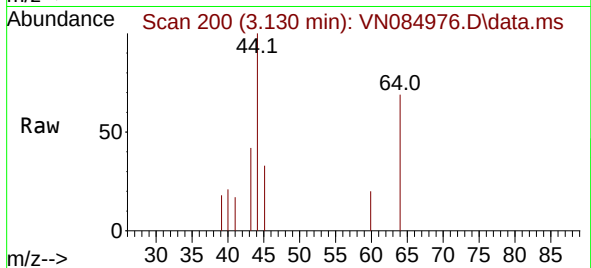
Tgt Ion: 50 Resp: 500
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



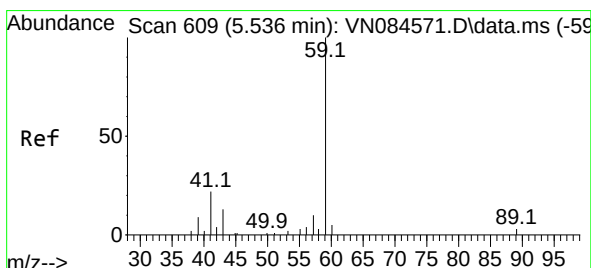
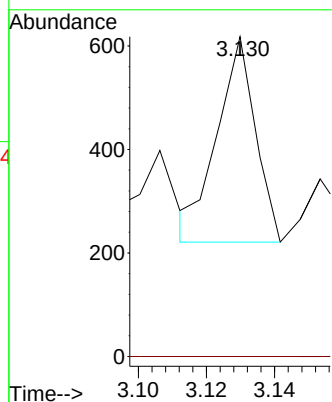
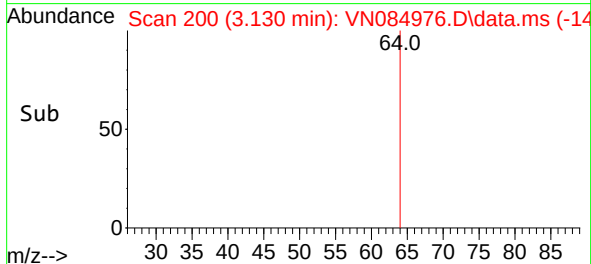


#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

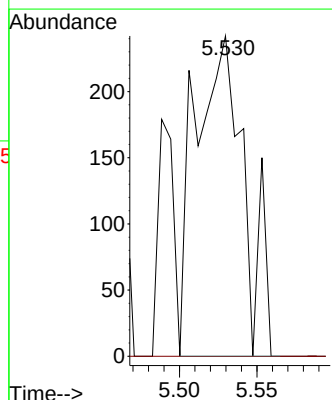
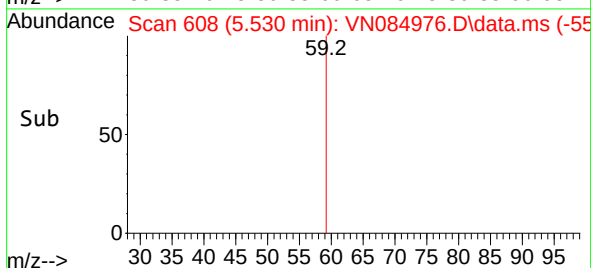
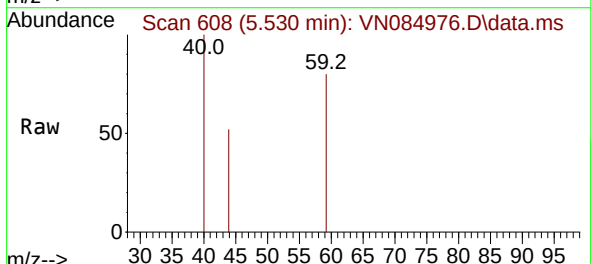


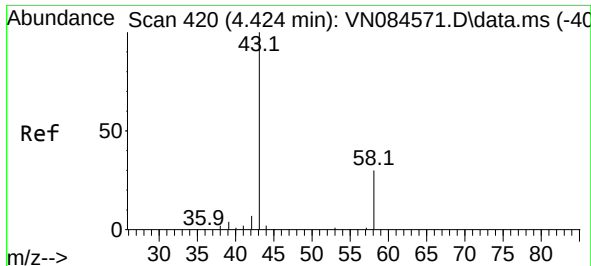
Tgt Ion: 64 Resp: 309
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.683 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

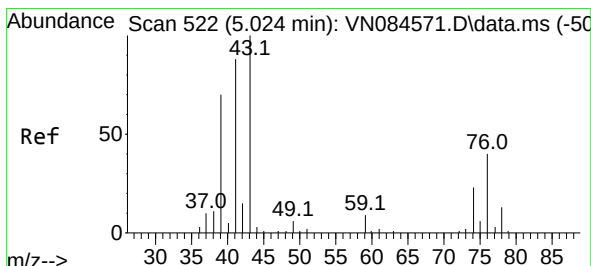
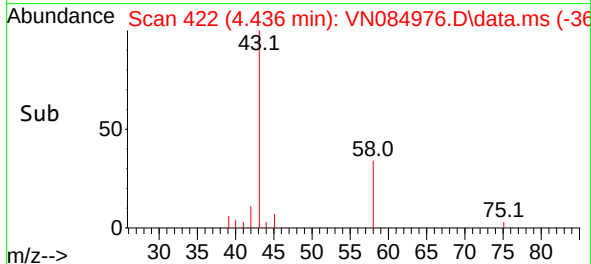
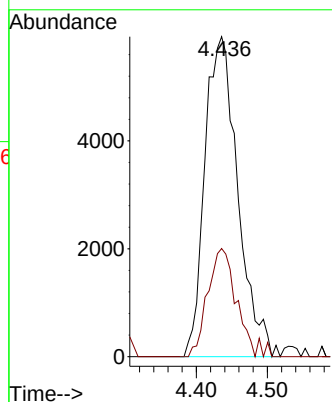
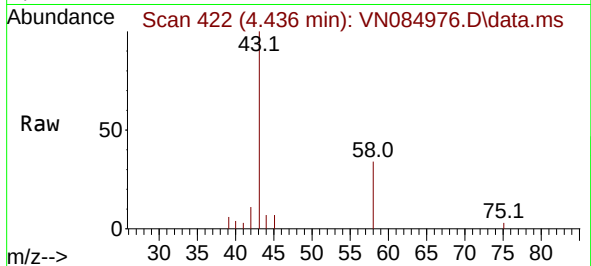




#16
Acetone
Concen: 25.265 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

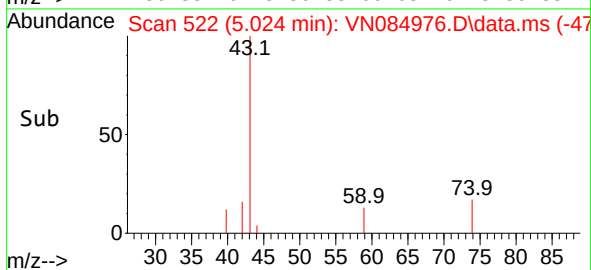
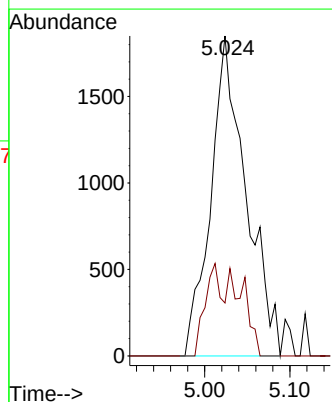
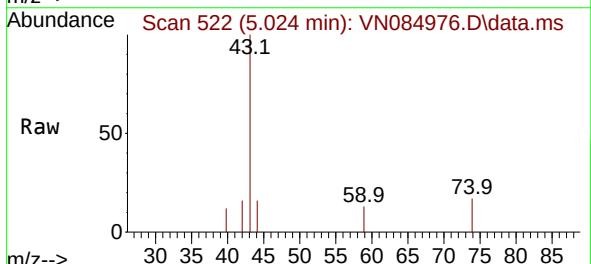
Instrument :
MSVOA_N
ClientSampleId :

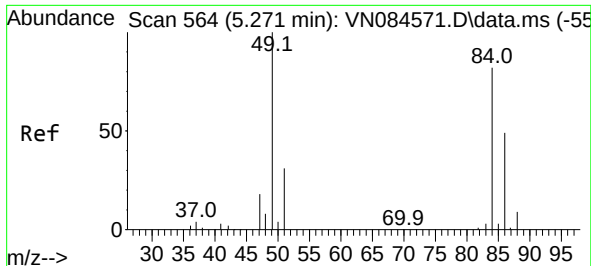
Tgt Ion: 43 Resp: 19141
Ion Ratio Lower Upper
43 100
58 33.8 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

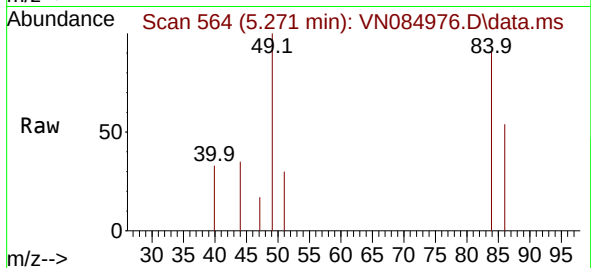
Tgt Ion: 43 Resp: 5333
Ion Ratio Lower Upper
43 100
74 14.1 19.2 28.8#



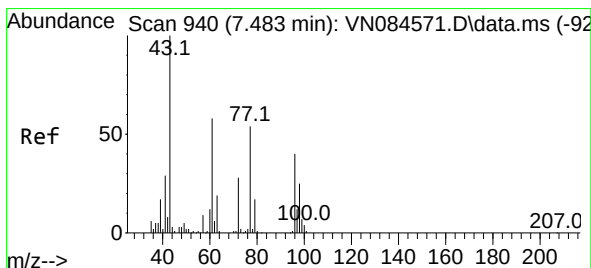
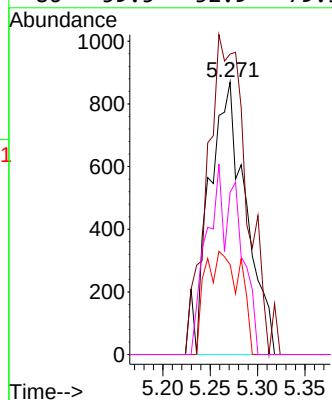


#20
Methylene Chloride
Concen: 1.121 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

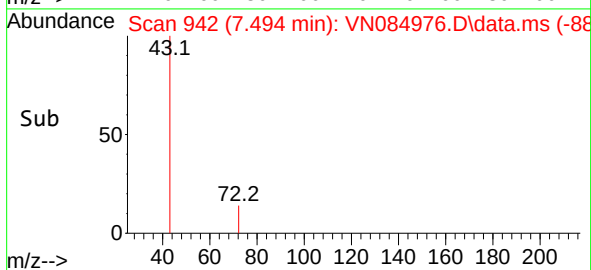
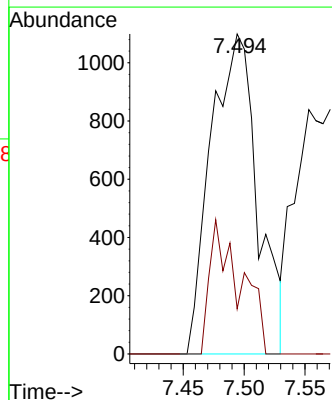
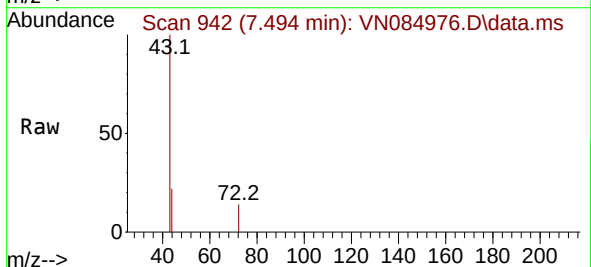


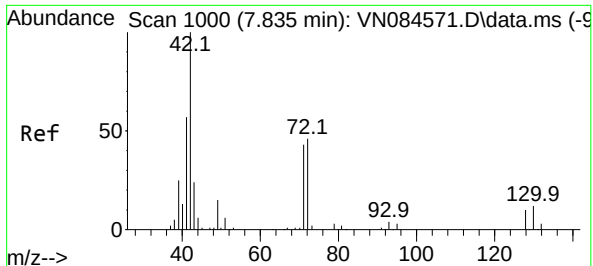
Tgt Ion: 84	Resp: 2347
Ion Ratio	Lower Upper
84 100	
49 110.2	107.2 160.8
51 33.0	31.8 47.8
86 59.5	52.9 79.3



#25
2-Butanone
Concen: 2.632 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Tgt Ion: 43	Resp: 2924		
Ion Ratio	Lower	Upper	
43 100			
72 14.1	21.4	32.2#	





#29

Tetrahydrofuran

Concen: 0.651 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

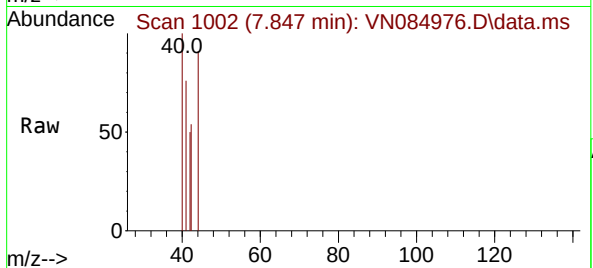
Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

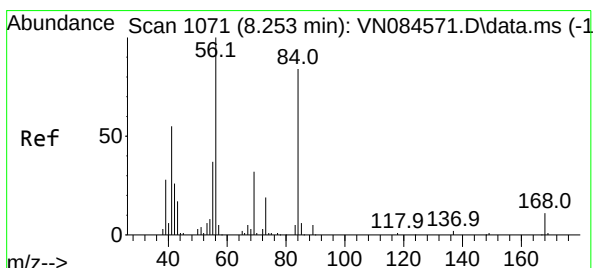
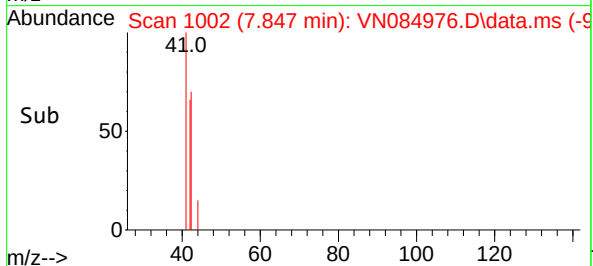
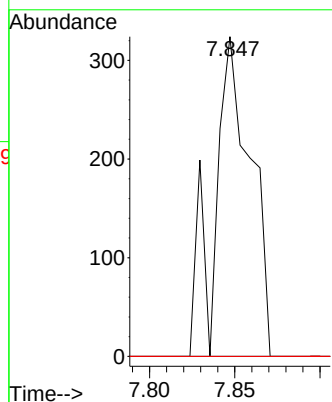
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	480
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.115 ug/l

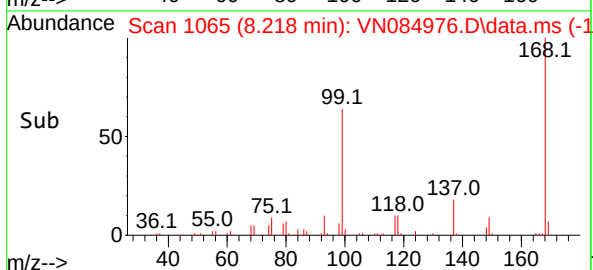
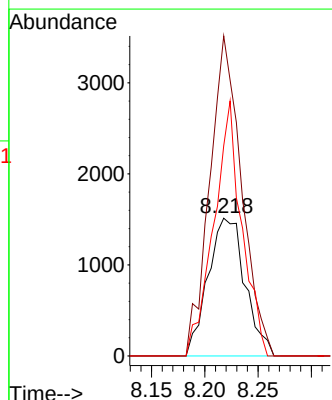
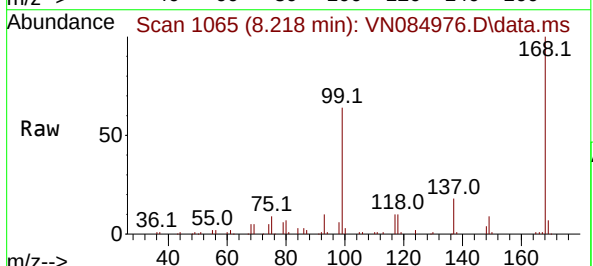
RT: 8.218 min Scan# 1065

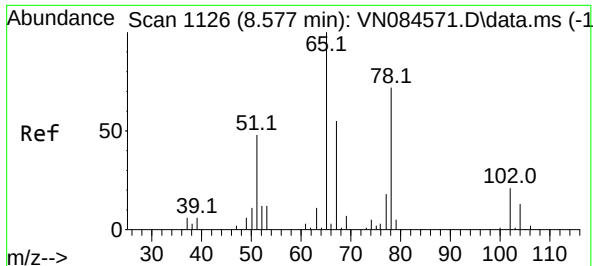
Delta R.T. -0.035 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

Tgt Ion:	56	Resp:	3665
Ion Ratio	Lower	Upper	
56	100		
69	232.3	23.8	35.6#
84	152.7	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.949 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

Instrument :

MSVOA_N

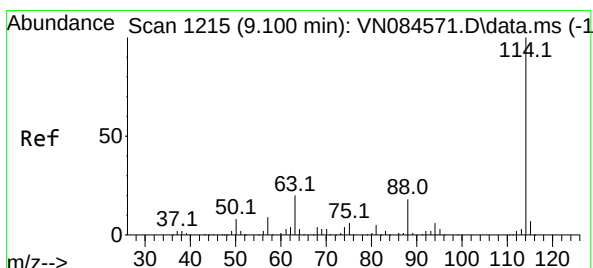
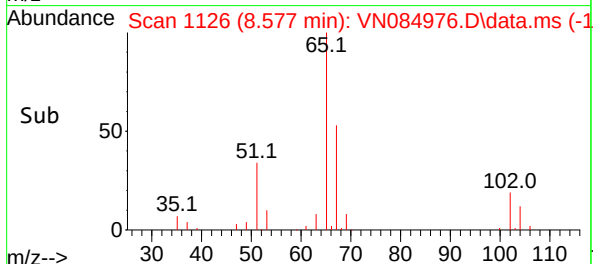
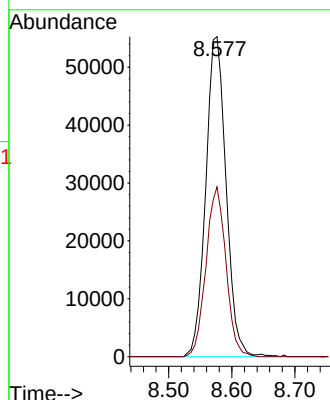
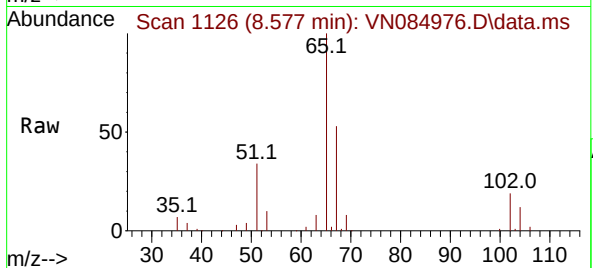
ClientSampleId :

Tgt Ion: 65 Resp: 123697

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

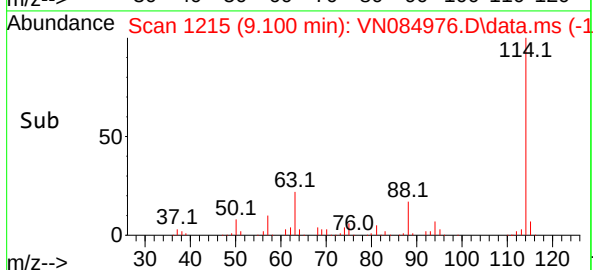
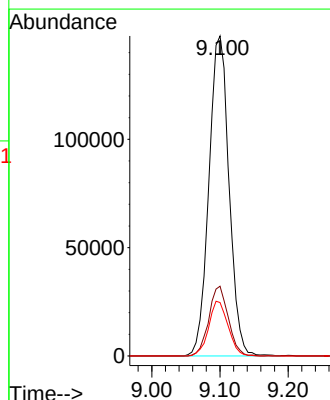
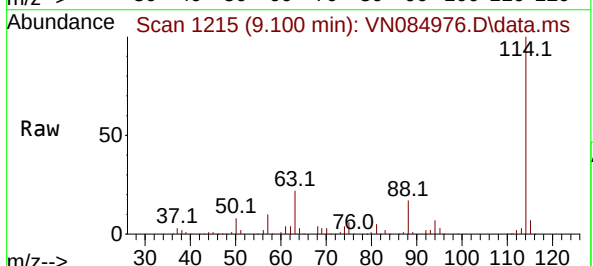
Tgt Ion: 114 Resp: 303797

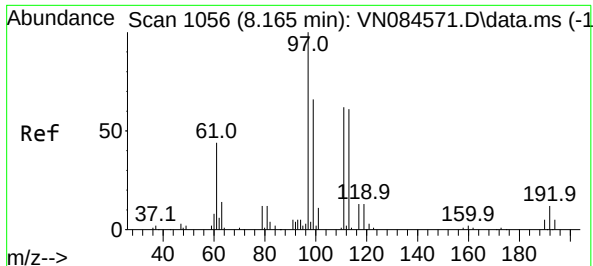
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 16.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.928 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

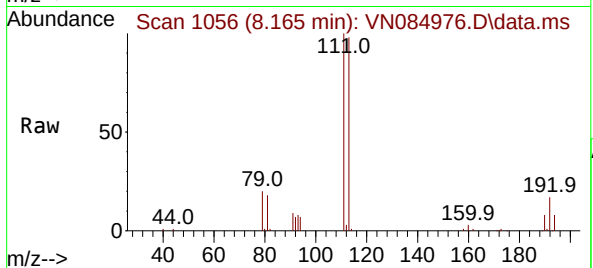
Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

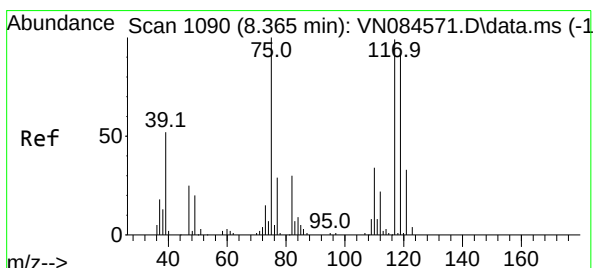
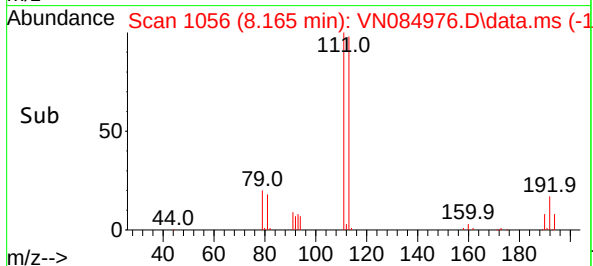
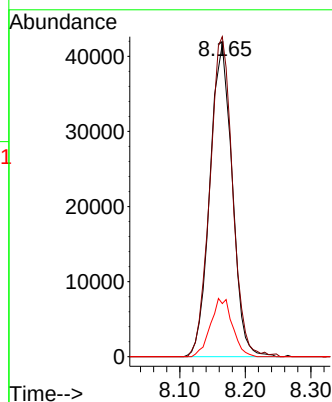
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	98556
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.3	124.9
192	18.2	13.5	20.3



#36

1,1-Dichloropropene

Concen: 5.120 ug/l

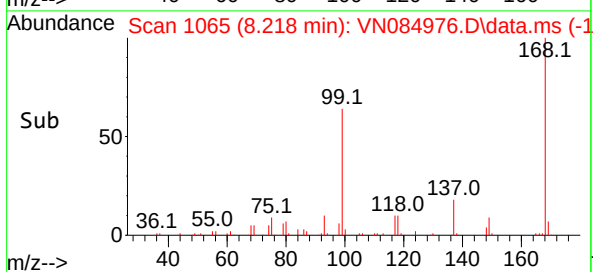
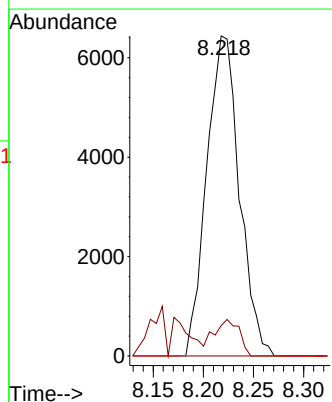
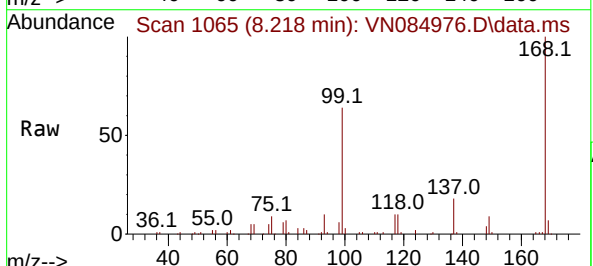
RT: 8.218 min Scan# 1065

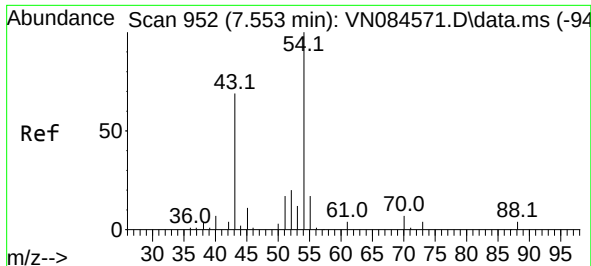
Delta R.T. -0.153 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

Tgt Ion:	75	Resp:	14603
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.7#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 0.951 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

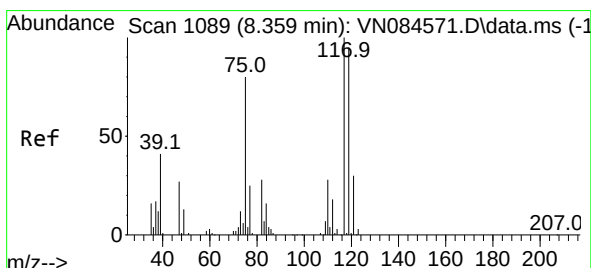
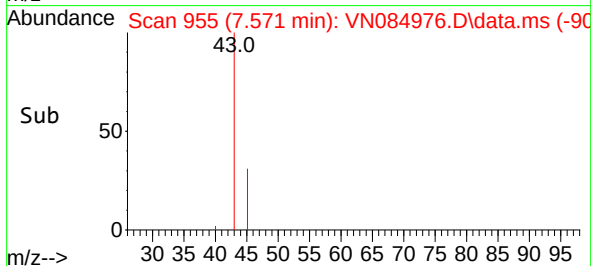
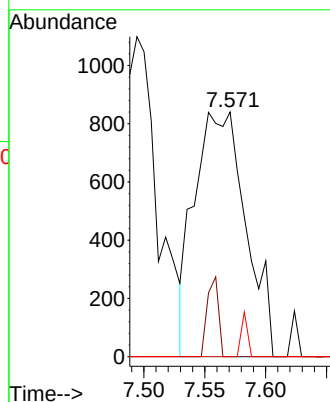
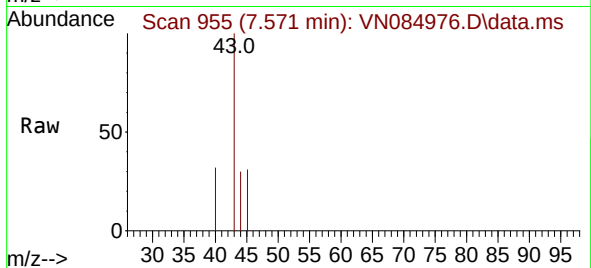
Tgt Ion: 43 Resp: 2462

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 2.2 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.474 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

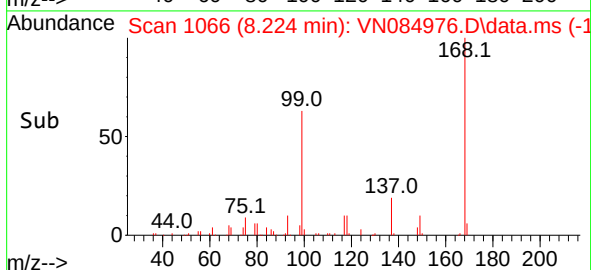
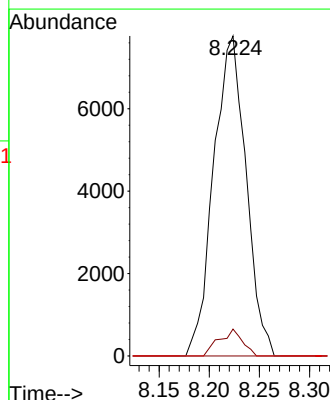
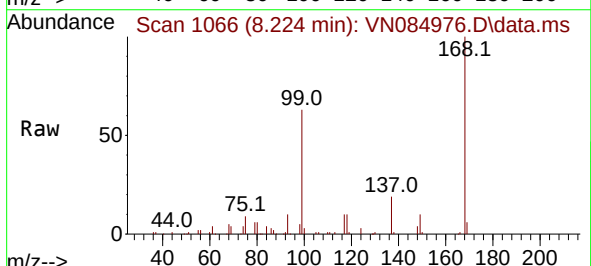
Tgt Ion: 117 Resp: 17450

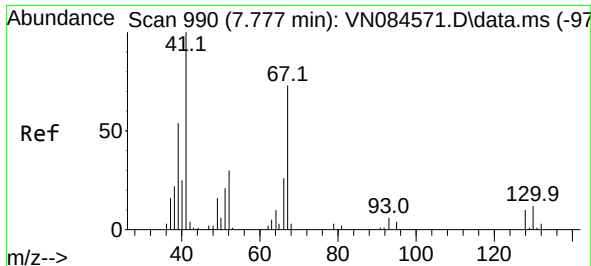
Ion Ratio Lower Upper

117 100

119 8.4 78.7 118.1#

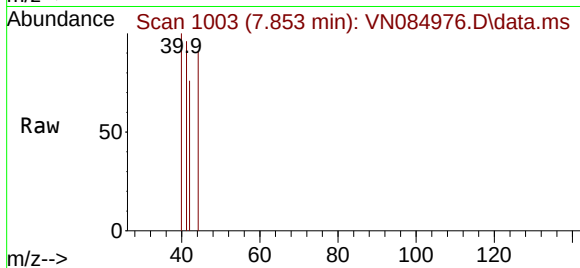
121 0.0 24.4 36.6#



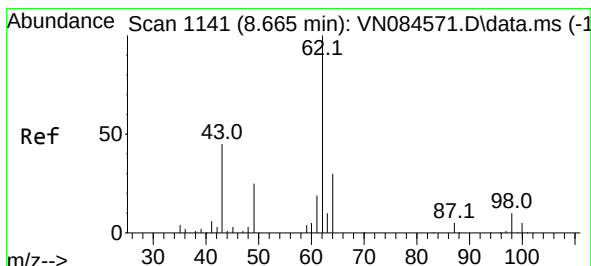
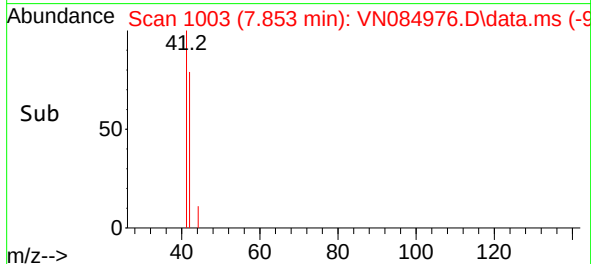
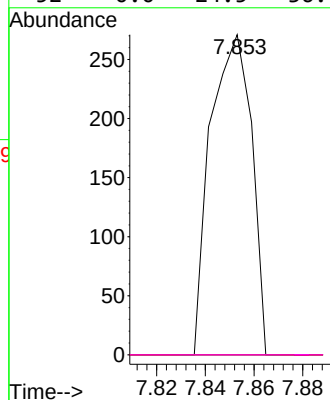


#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

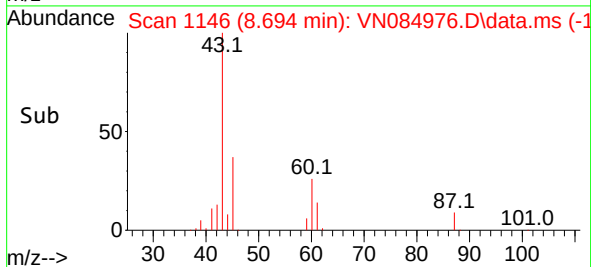
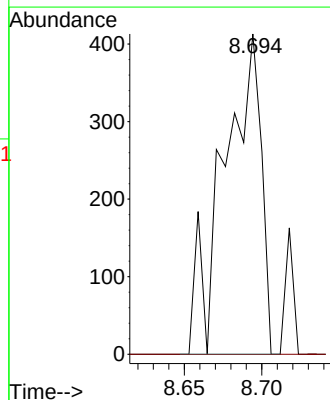
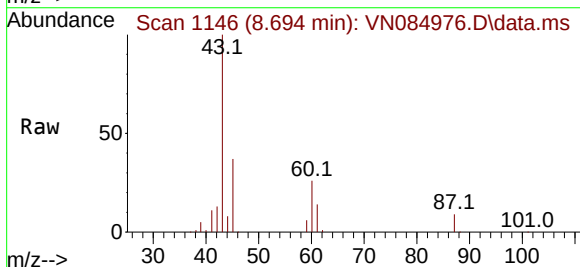


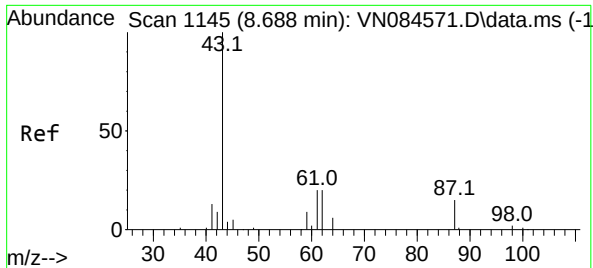
Tgt Ion: 41	Resp: 317
Ion Ratio	Lower Upper
41 100	
39 0.0	43.3 64.9#
67 0.0	56.1 84.1#
52 0.0	24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.232 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Tgt Ion: 62	Resp: 687		
Ion Ratio	Lower	Upper	
62 100			
98 0.0	0.0	18.2	

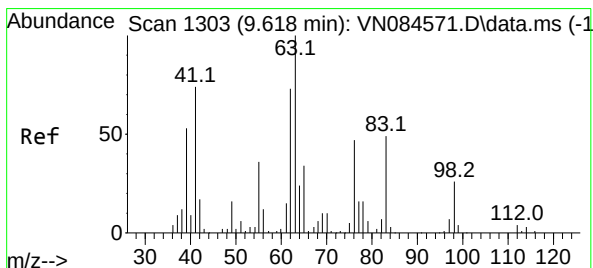
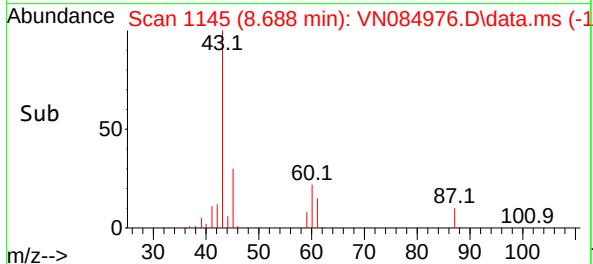
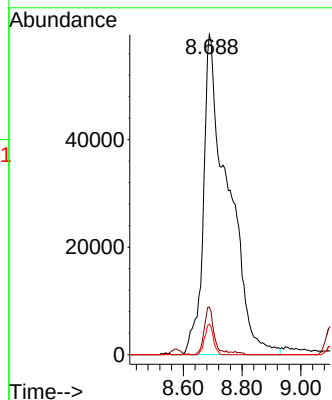
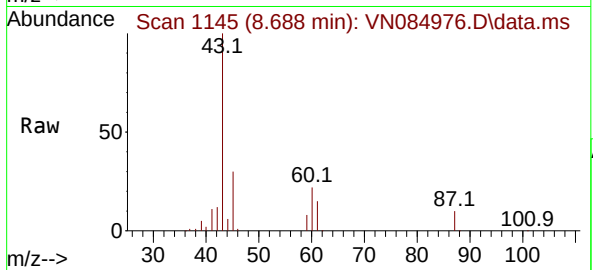




#43
Isopropyl Acetate
Concen: 73.080 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

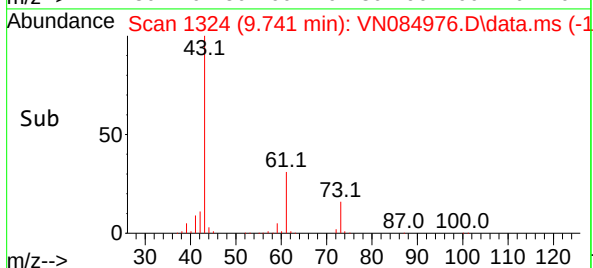
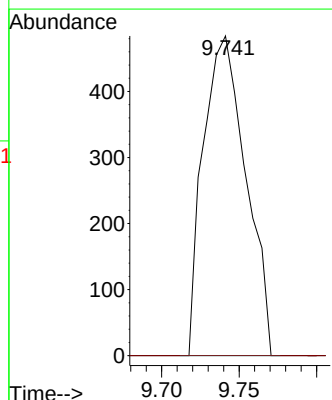
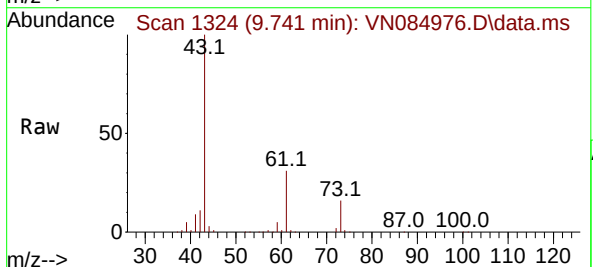
Instrument :
MSVOA_N
ClientSampleId :

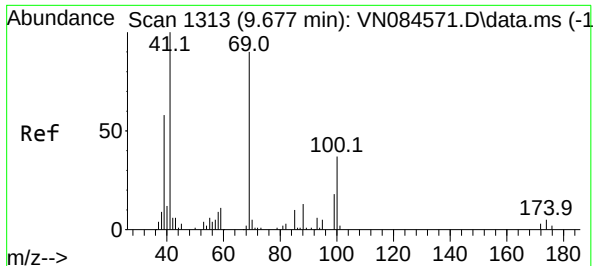
Tgt Ion: 43 Resp: 347207
Ion Ratio Lower Upper
43 100
61 6.0 20.4 30.6#
87 3.3 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.431 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

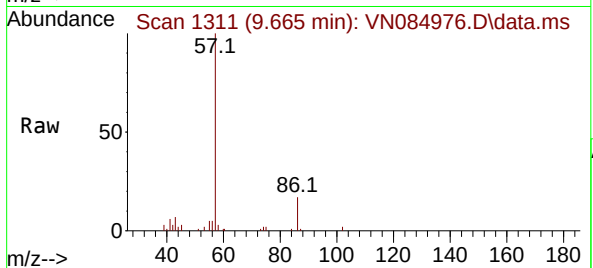
Tgt Ion: 63 Resp: 927
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



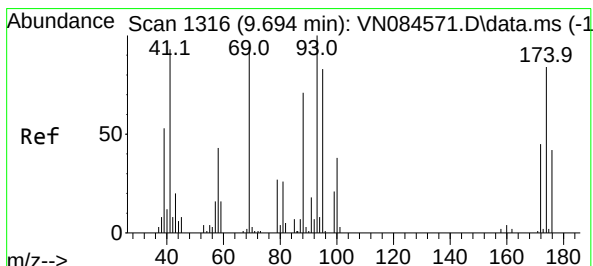
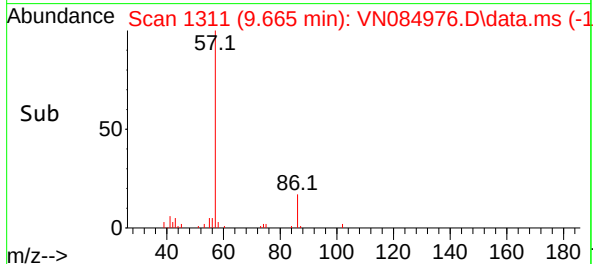
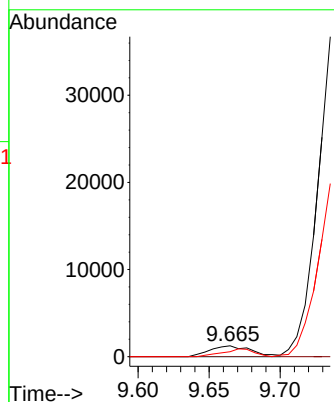


#48
Methyl methacrylate
Concen: 1.267 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

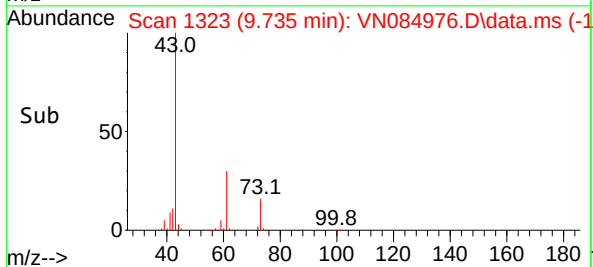
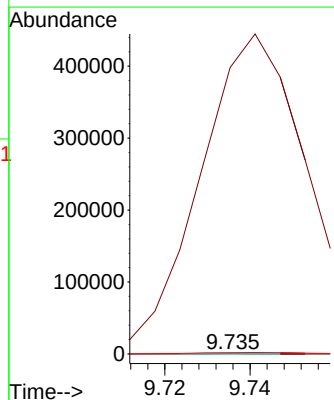
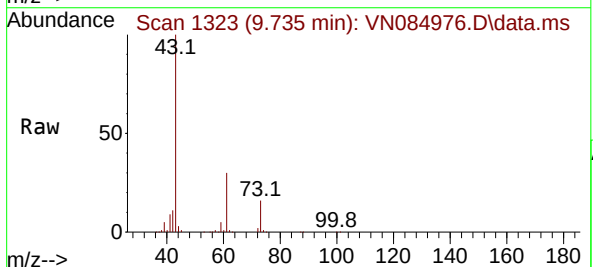


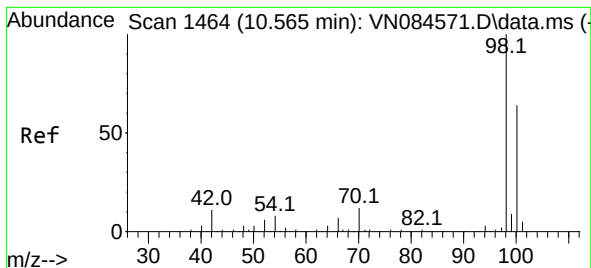
Tgt Ion: 41 Resp: 2551
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 53.2 45.8 68.6



#49
1,4-Dioxane
Concen: 1.541 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 1443365.5 25.3 37.9#
58 6820.0 56.4 84.6#





#50

Toluene-d8

Concen: 47.336 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

Instrument :

MSVOA_N

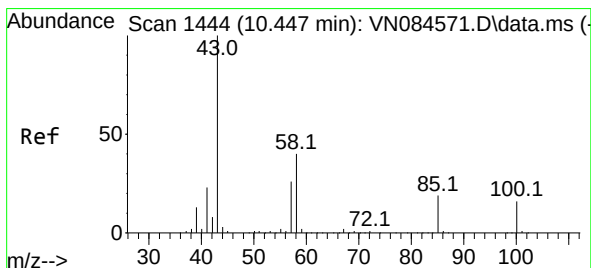
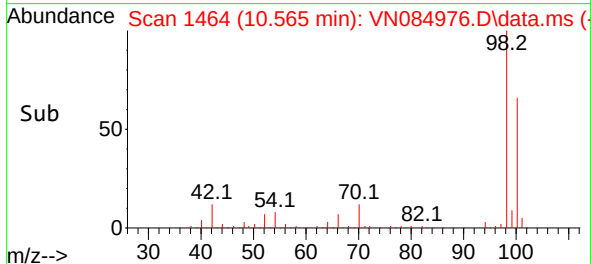
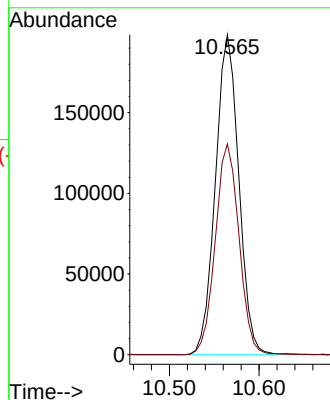
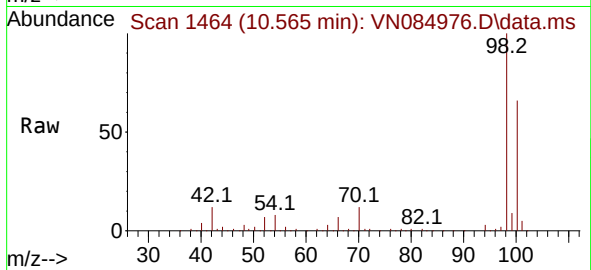
ClientSampleId :

Tgt Ion: 98 Resp: 358567

Ion Ratio Lower Upper

98 100

100 67.0 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 3.199 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN084976.D

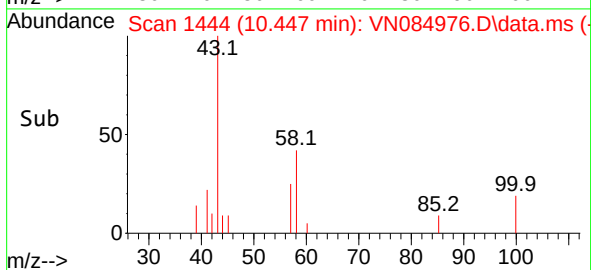
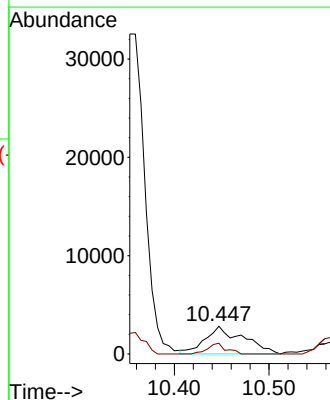
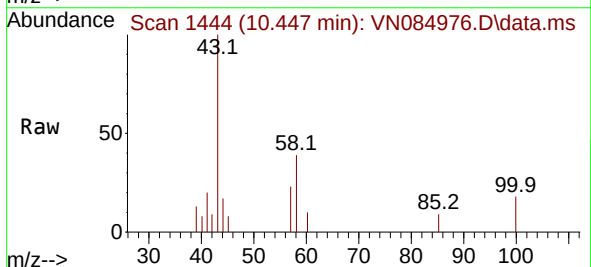
Acq: 20 Nov 2024 18:10

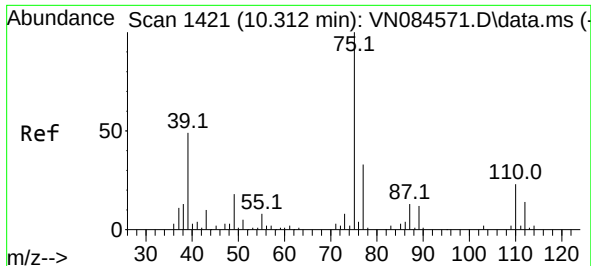
Tgt Ion: 43 Resp: 7891

Ion Ratio Lower Upper

43 100

58 18.4 31.6 47.4#

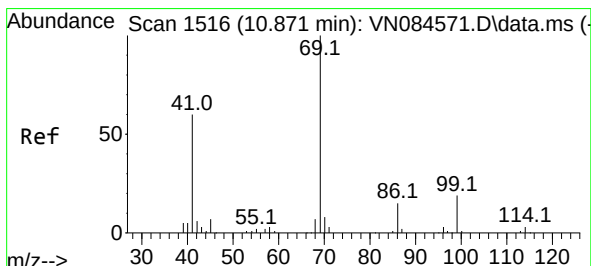
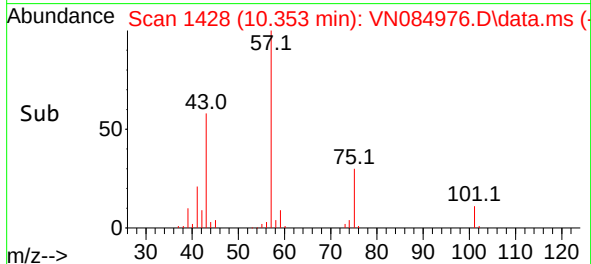
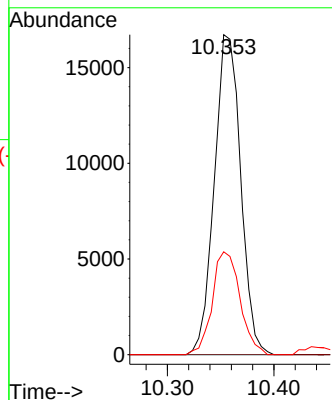
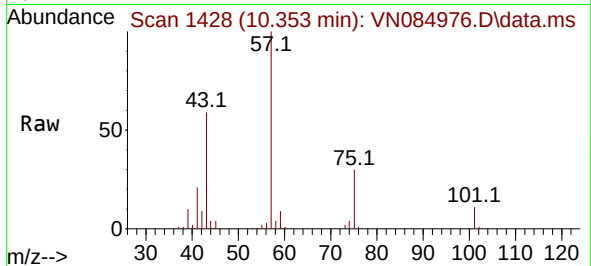




#54
cis-1,3-Dichloropropene
Concen: 8.197 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

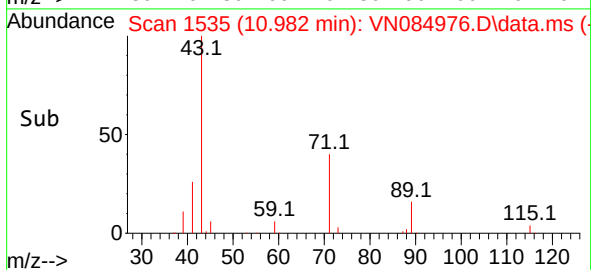
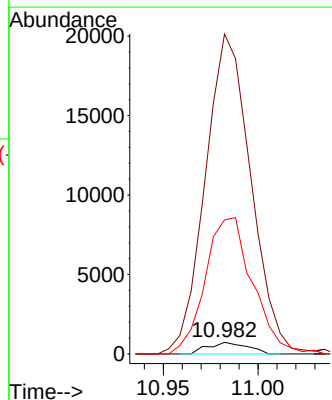
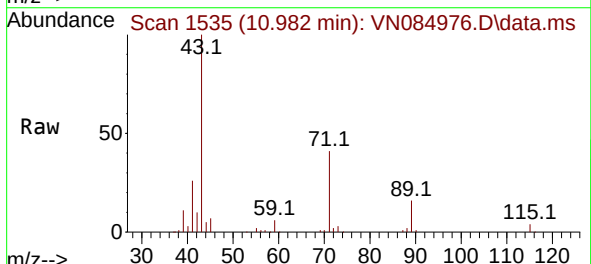
Instrument :
MSVOA_N
ClientSampleId :

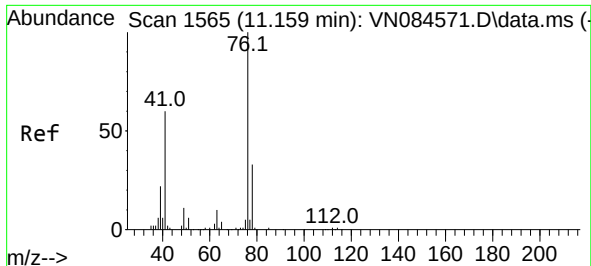
Tgt Ion: 75 Resp: 28699
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 32.1 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.366 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Tgt Ion: 69 Resp: 1069
Ion Ratio Lower Upper
69 100
41 3170.0 53.3 79.9#
39 1401.0 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.108 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

Instrument :

MSVOA_N

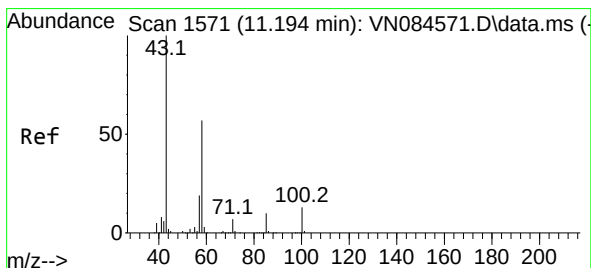
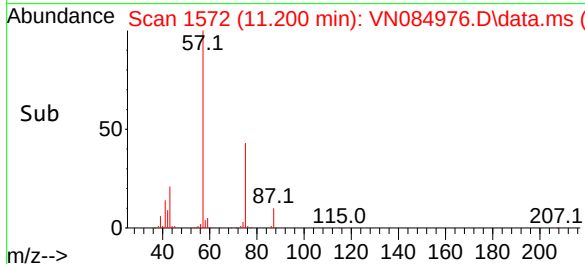
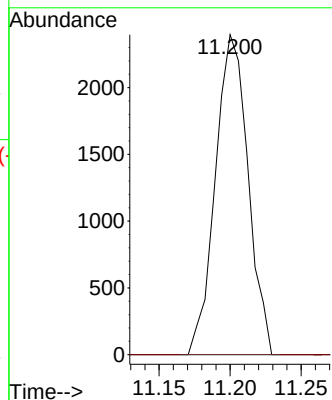
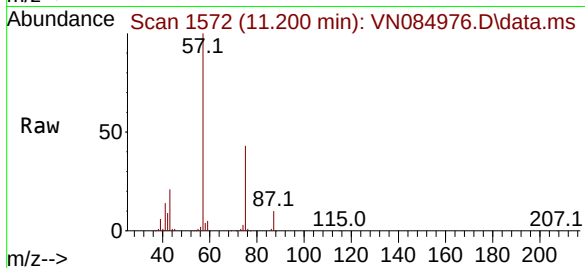
ClientSampleId :

Tgt Ion: 76 Resp: 3836

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 25.707 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084976.D

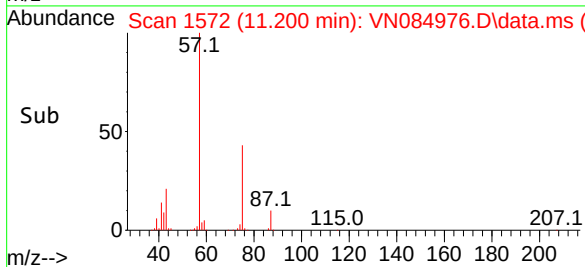
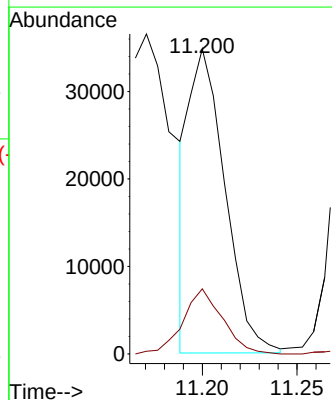
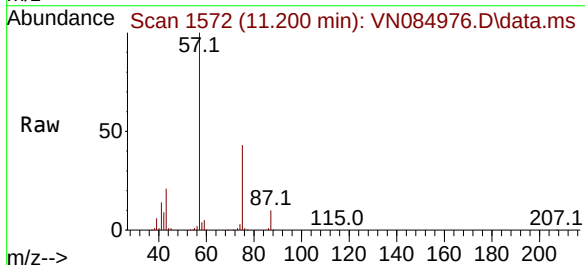
Acq: 20 Nov 2024 18:10

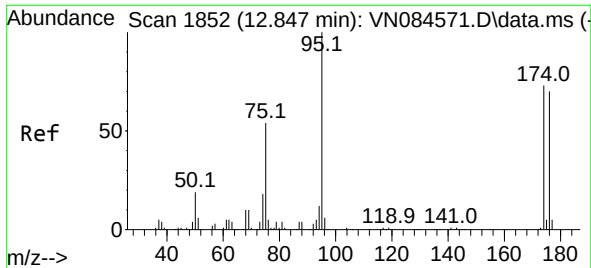
Tgt Ion: 43 Resp: 46156

Ion Ratio Lower Upper

43 100

58 23.5 27.3 81.8#

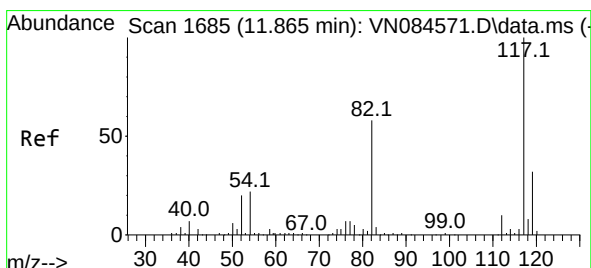
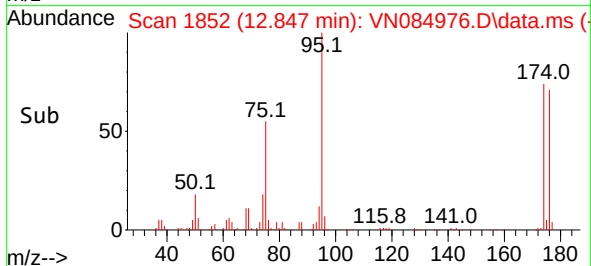
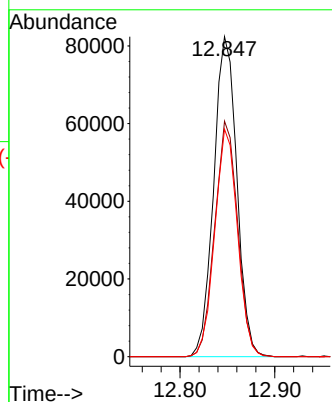
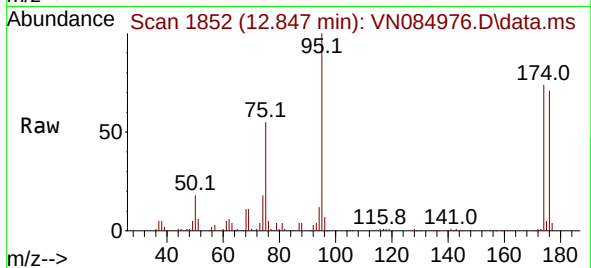




#62
4-Bromofluorobenzene
Concen: 49.406 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

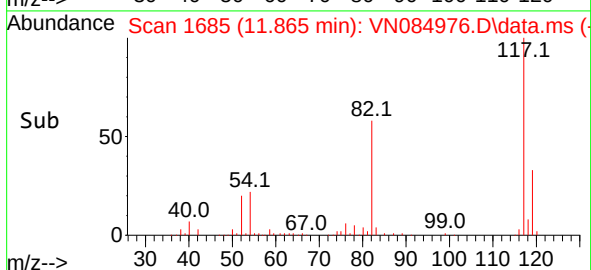
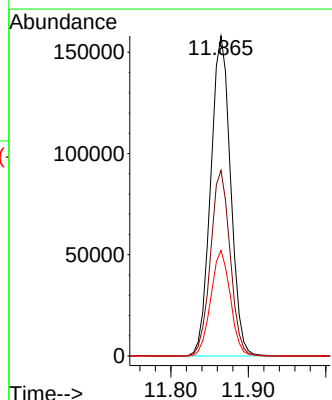
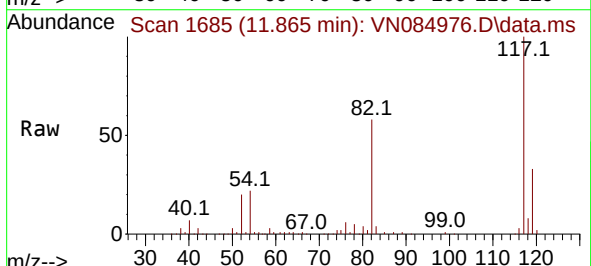
Instrument :
MSVOA_N
ClientSampleId :

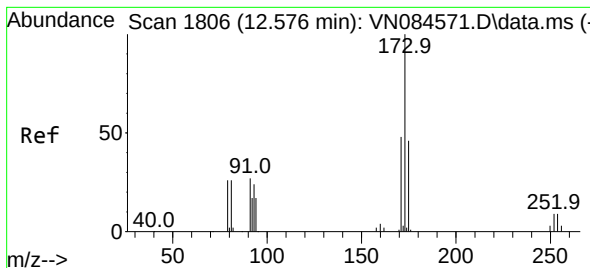
Tgt Ion: 95 Resp: 139867
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.2
176 69.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Tgt Ion: 117 Resp: 281556
Ion Ratio Lower Upper
117 100
82 58.0 47.2 70.8
119 33.0 25.4 38.0





#71

Bromoform

Concen: 0.399 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

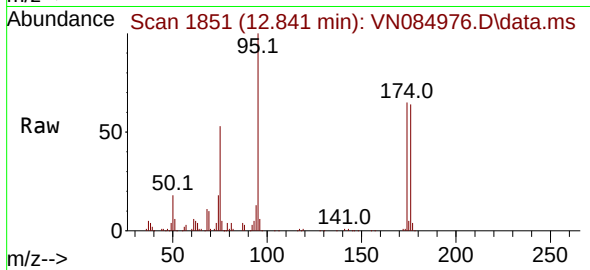
Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

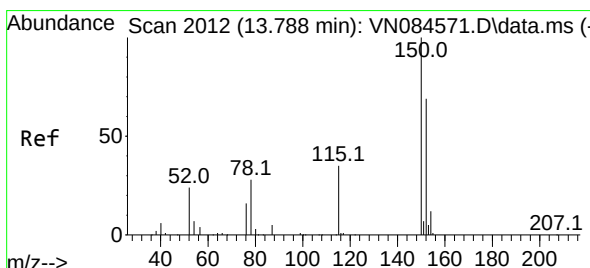
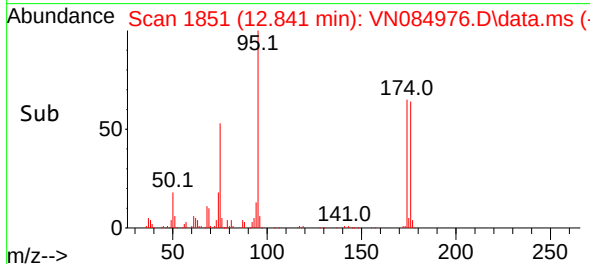
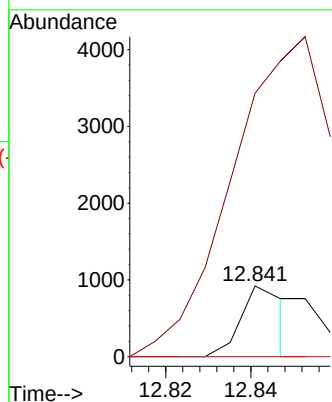
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	657
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

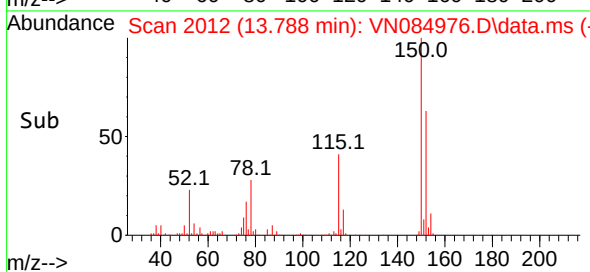
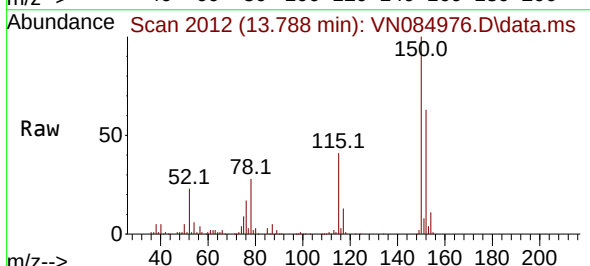
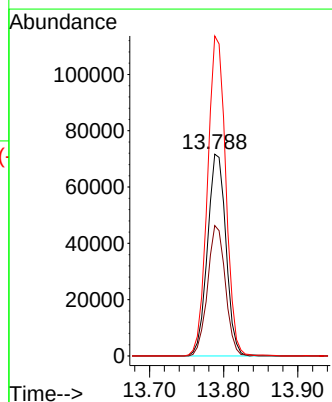
RT: 13.788 min Scan# 1212

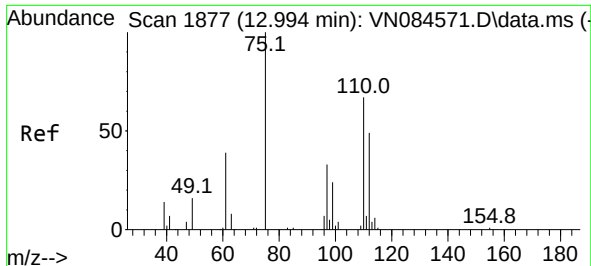
Delta R.T. -0.000 min

Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

Tgt Ion:	152	Resp:	124110
Ion Ratio	Lower	Upper	
152	100		
115	62.3	31.3	93.9
150	156.4	0.0	349.8

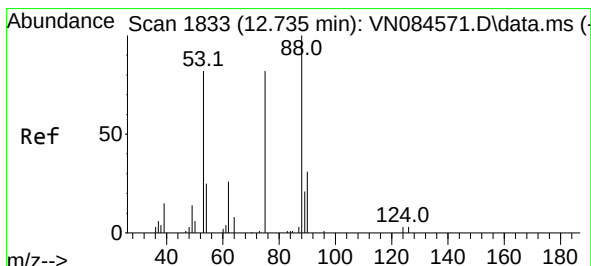
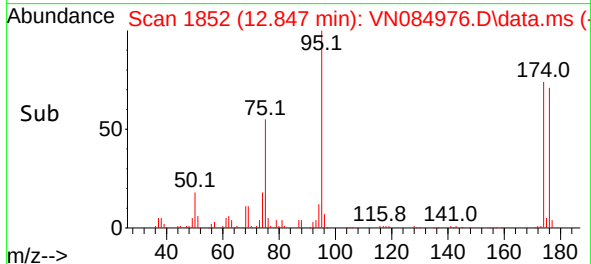
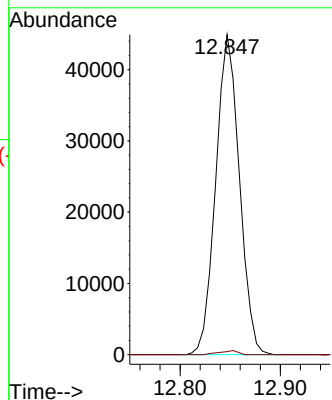
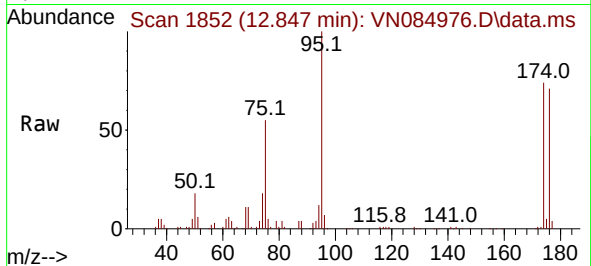




#76
1,2,3-Trichloropropane
Concen: 29.669 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

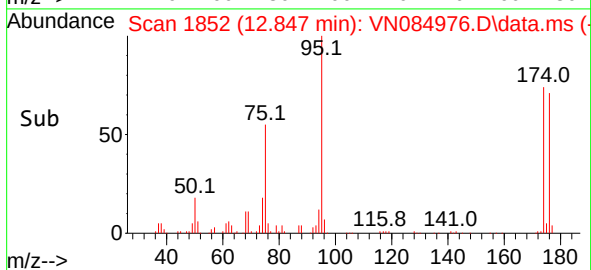
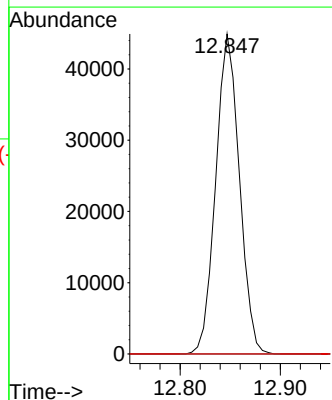
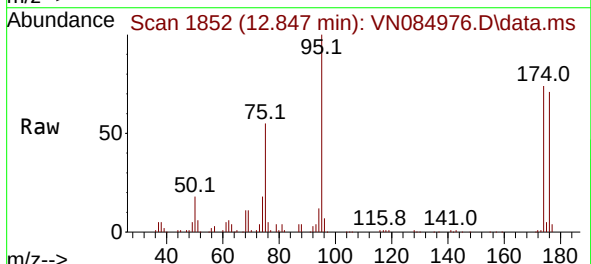
Instrument :
MSVOA_N
ClientSampleId :

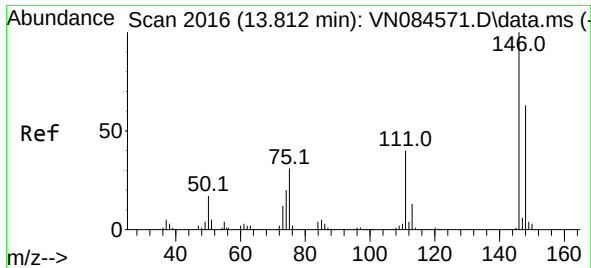
Tgt Ion: 75 Resp: 73606
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.387 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084976.D
Acq: 20 Nov 2024 18:10

Tgt Ion: 75 Resp: 73606
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# 20

Delta R.T. -0.006 min

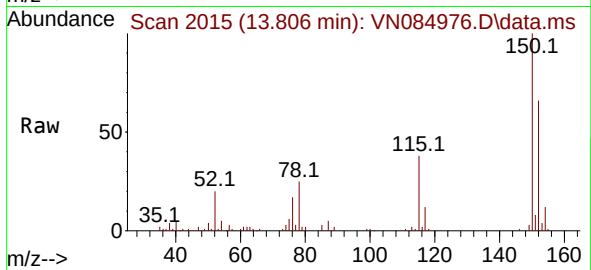
Lab File: VN084976.D

Acq: 20 Nov 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 290

Ion Ratio Lower Upper

146 100

111 615.9 21.2 63.6#

148 154.1 31.9 95.9#

