

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084072.D
 Acq On : 20 Sep 2024 15:57
 Operator : JC\MD
 Sample : PB163512ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

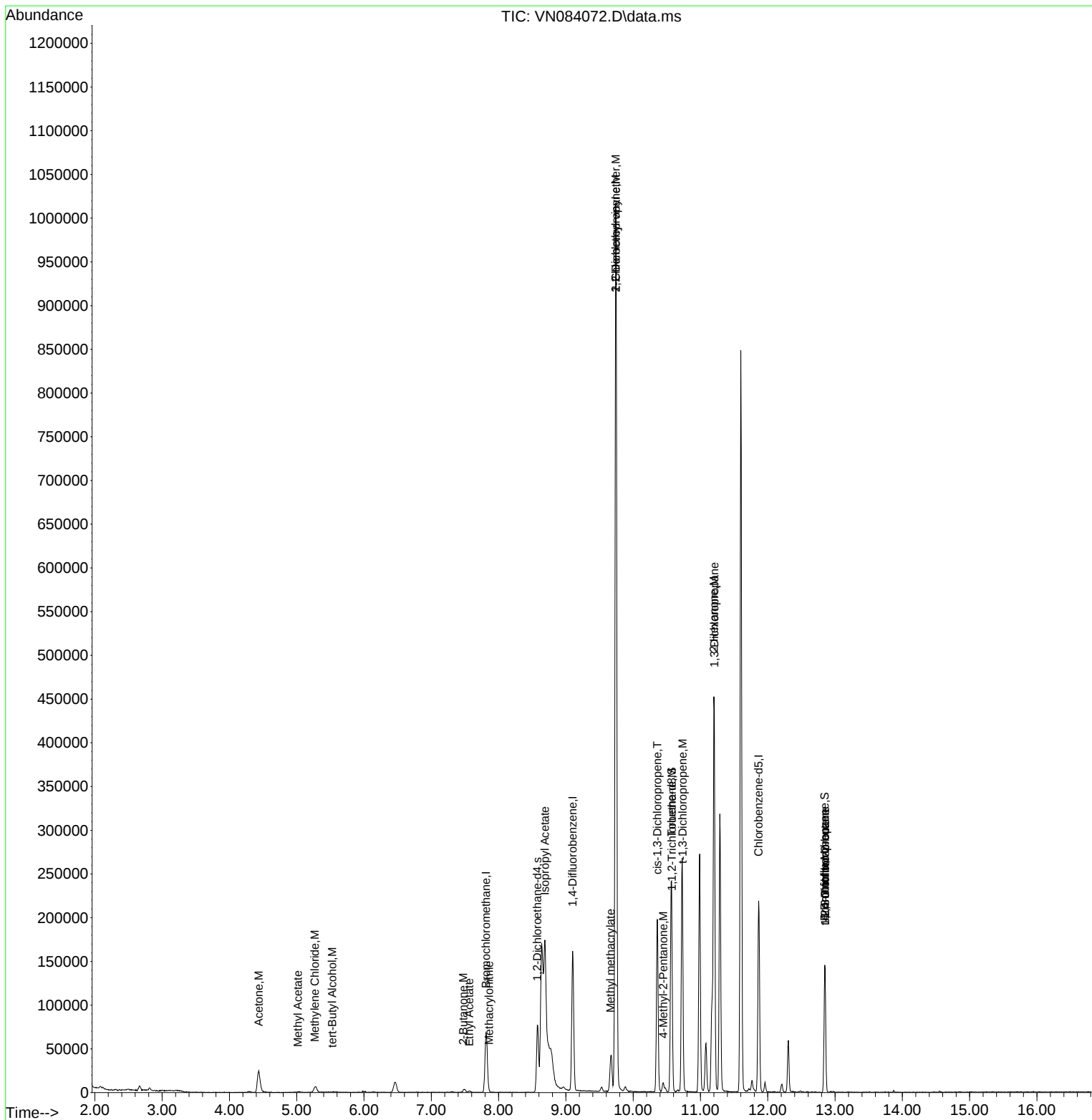
Quant Time: Sep 23 01:04:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	23249	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	127735	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	119096	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	64615	30.405	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.367%	
60) 4-Bromofluorobenzene	12.847	95	48630	23.692	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 78.967%	
63) Toluene-d8	10.571	98	162988	29.556	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.533%	
Target Compounds						
						Qvalue
12) Methyl Acetate	5.018	43	568	0.326	ug/l	# 40
15) Acetone	4.436	58	13652	58.358	ug/l	98
18) Methylene Chloride	5.271	84	5067	3.205	ug/l	# 85
23) tert-Butyl Alcohol	5.530	59	56	0.216	ug/l	# 100
30) 2-Butanone	7.477	43	2410	2.523	ug/l	# 51
35) Methacrylonitrile	7.859	41	265	0.247	ug/l	# 22
39) 1,2-Dichloropropane	9.741	63	1163	0.795	ug/l	# 43
43) Ethyl Acetate	7.565	43	2913	1.515	ug/l	# 84
44) Isopropyl Acetate	8.688	43	147398	44.332	ug/l	# 69
46) Methyl methacrylate	9.665	41	3174	1.972	ug/l	# 25
48) t-1,3-Dichloropropene	10.735	75	564	0.236	ug/l	# 45
49) cis-1,3-Dichloropropene	10.359	75	32400	13.020	ug/l	# 74
50) 1,1,2-Trichloroethane	10.576	97	5385	3.956	ug/l	# 1
52) 1,3-Dichloropropane	11.206	76	4594	1.869	ug/l	# 42
55) 2-Chloroethyl vinyl ether	9.741	63	1163	1.255	ug/l	# 43
56) Bromoform	12.847	173	224	0.216	ug/l	# 1
58) 4-Methyl-2-Pentanone	10.447	43	6066	3.212	ug/l	# 92
59) 2-Hexanone	11.200	43	63087	44.212	ug/l	# 1
72) 1,2,3-Trichloropropane	12.853	75	27817	15.880	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	27817	37.570	ug/l	# 12

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

Quant Time: Sep 23 01:04:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

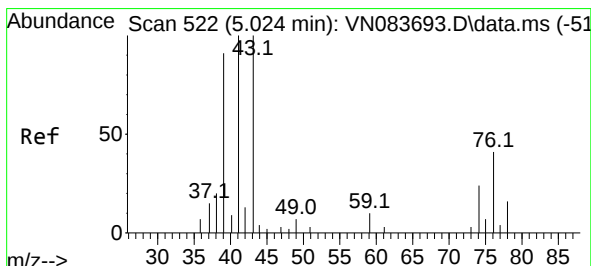
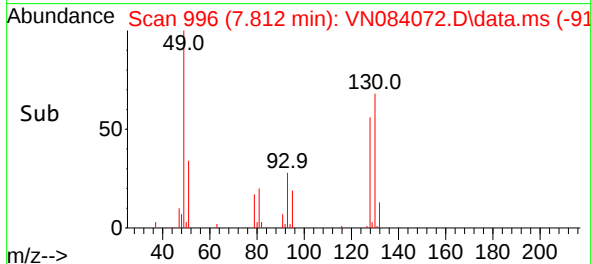
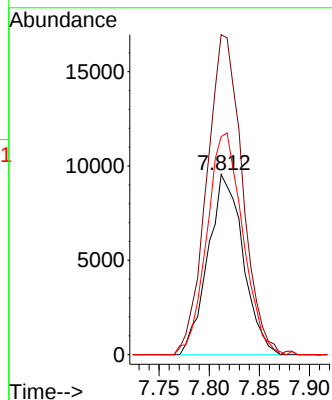
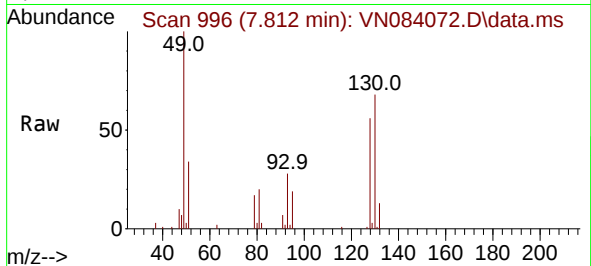




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

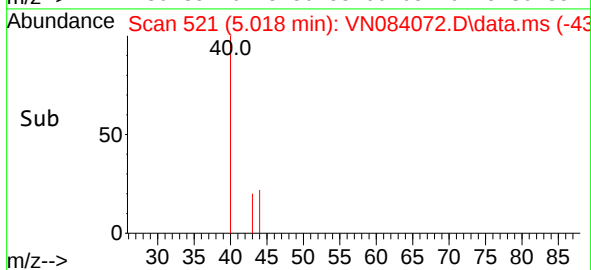
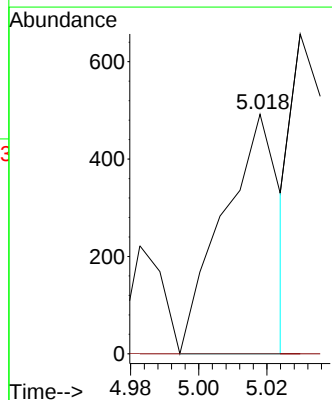
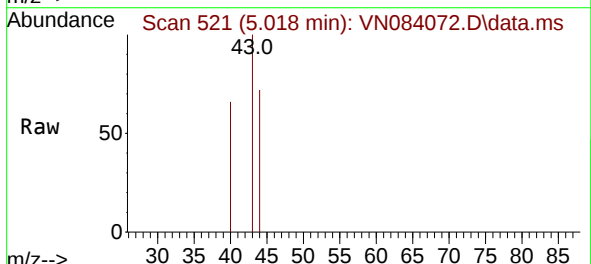
Instrument :
MSVOA_N
ClientSampleId :

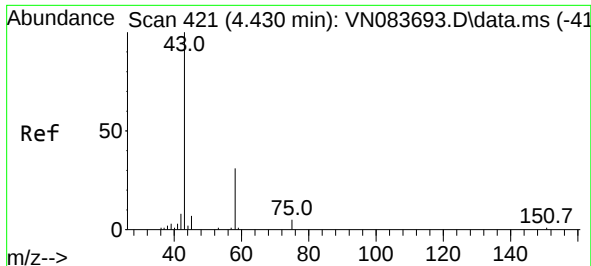
Tgt Ion	Ratio	Lower	Upper
128	100		
49	179.8	0.0	403.7
130	126.2	0.0	323.3



#12
Methyl Acetate
Concen: 0.326 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	0.0	27.7	41.5#





#15

Acetone

Concen: 58.358 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084072.D

Acq: 20 Sep 2024 15:57

Instrument :

MSVOA_N

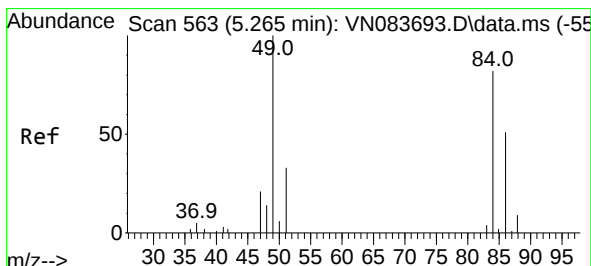
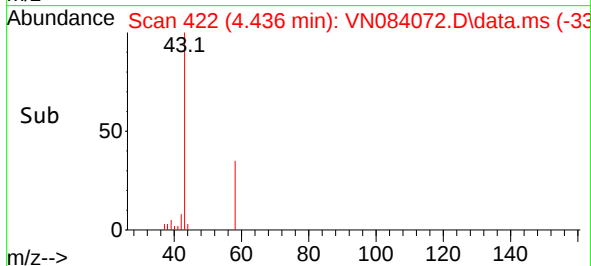
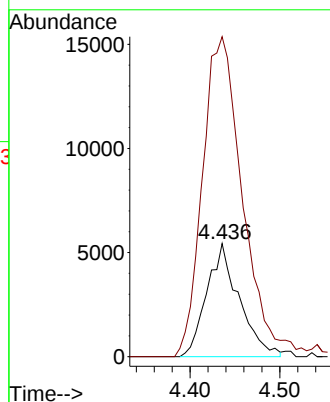
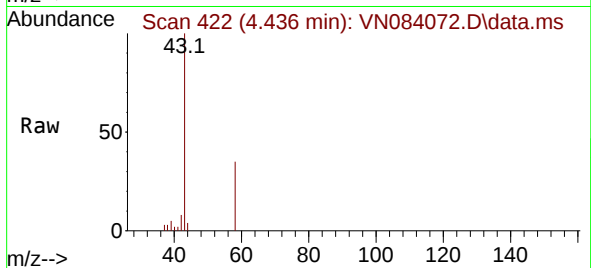
ClientSampleId :

Tgt Ion: 58 Resp: 13652

Ion Ratio Lower Upper

58 100

43 275.5 223.1 334.7



#18

Methylene Chloride

Concen: 3.205 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN084072.D

Acq: 20 Sep 2024 15:57

Tgt Ion: 84 Resp: 5067

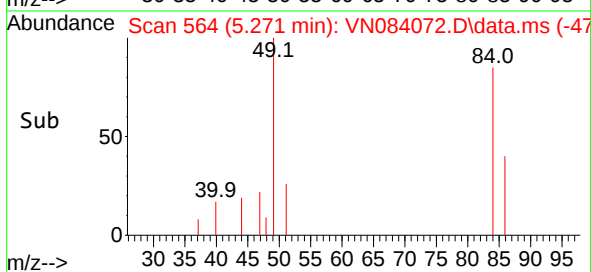
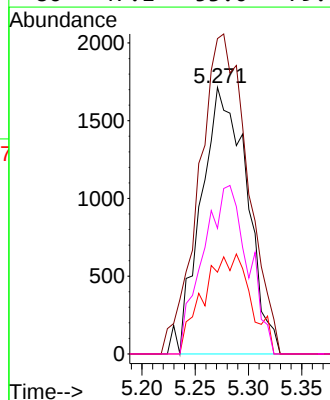
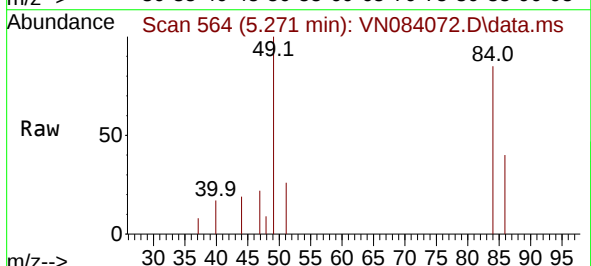
Ion Ratio Lower Upper

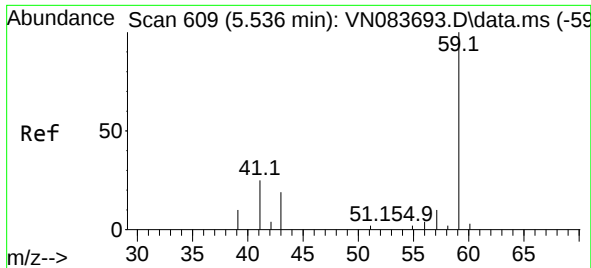
84 100

49 118.3 86.0 129.0

51 30.7 30.0 45.0

86 47.1 53.0 79.4#

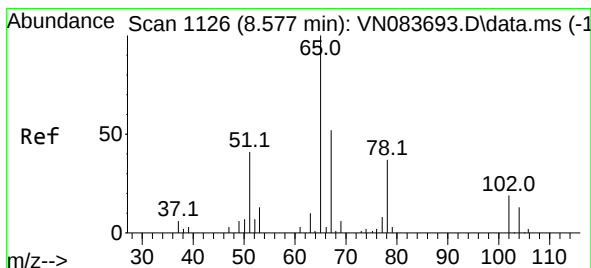
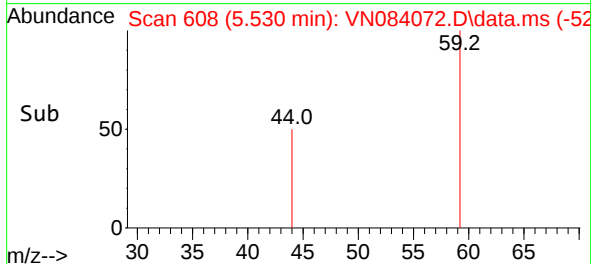
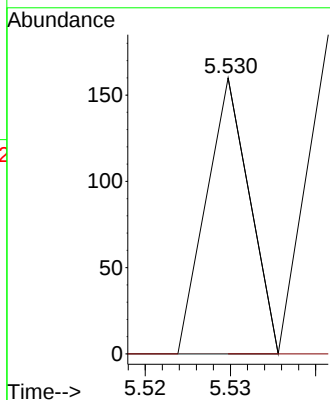
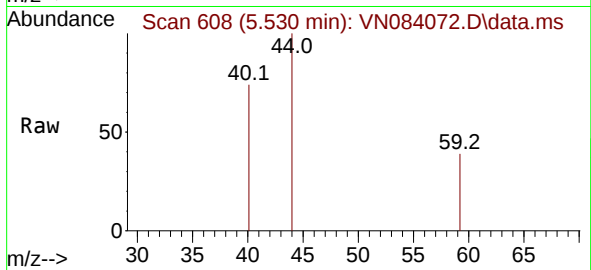




#23
tert-Butyl Alcohol
Concen: 0.216 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

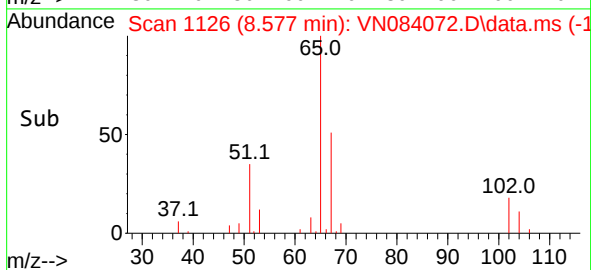
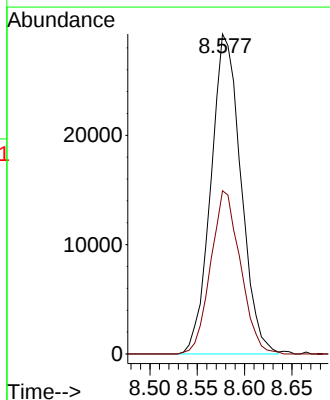
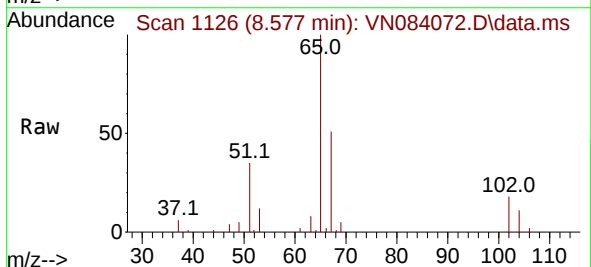
Instrument :
MSVOA_N
ClientSampleId :

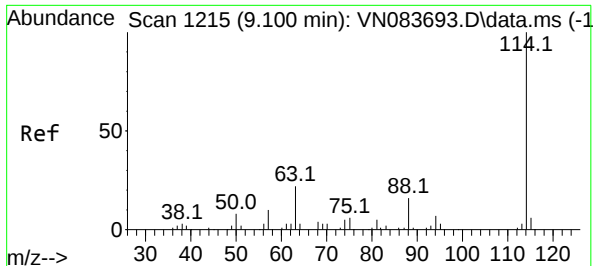
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.405 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Tgt Ion: 65 Resp: 64615
Ion Ratio Lower Upper
65 100
67 50.4 43.2 64.8

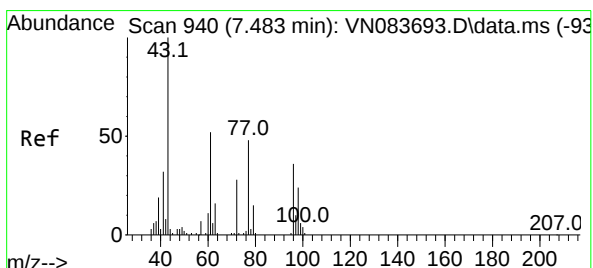
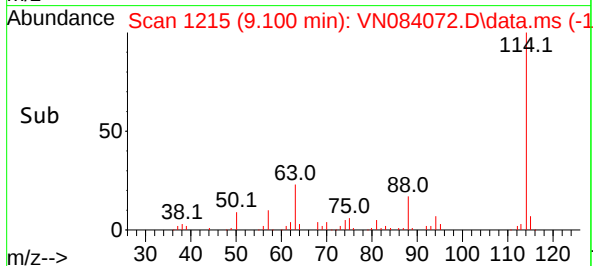
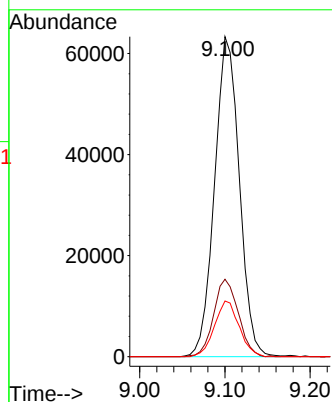
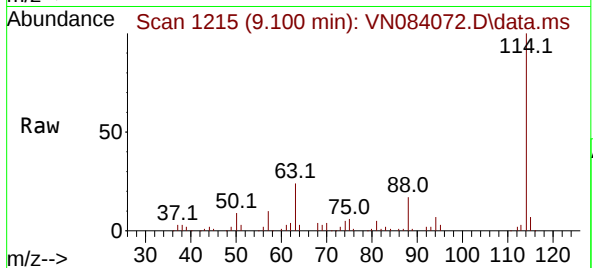




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

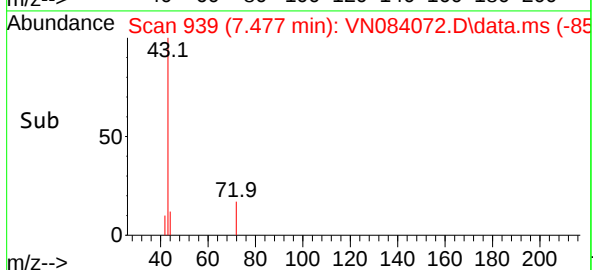
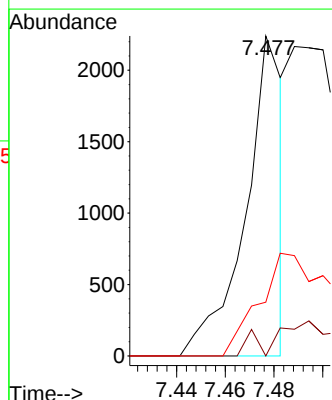
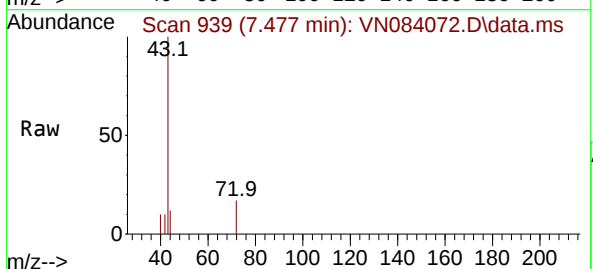
Instrument :
MSVOA_N
ClientSampleId :

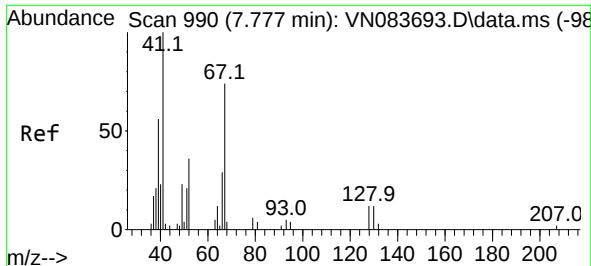
Tgt Ion:114 Resp: 127735
Ion Ratio Lower Upper
114 100
63 24.1 15.9 23.9#
88 17.4 12.7 19.1



#30
2-Butanone
Concen: 2.523 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

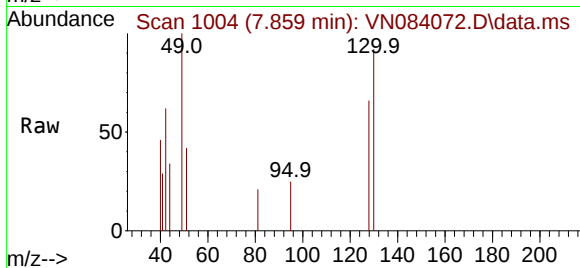
Tgt Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
57 2.7 6.7 10.1#
72 61.7 24.0 36.0#



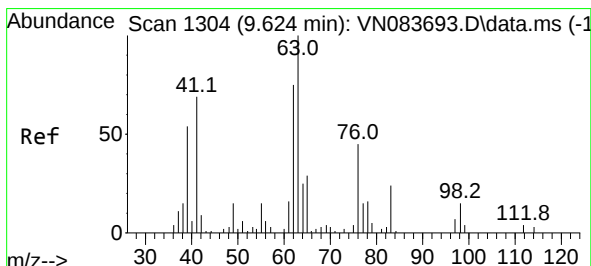
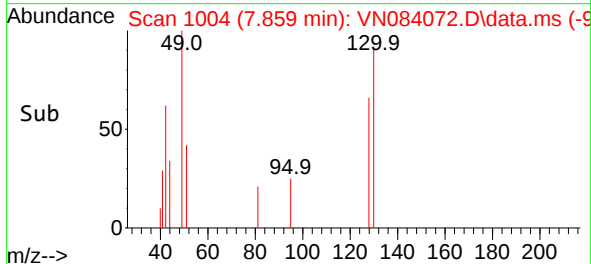
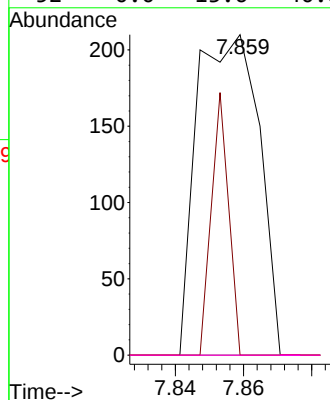


#35
Methacrylonitrile
Concen: 0.247 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.082 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

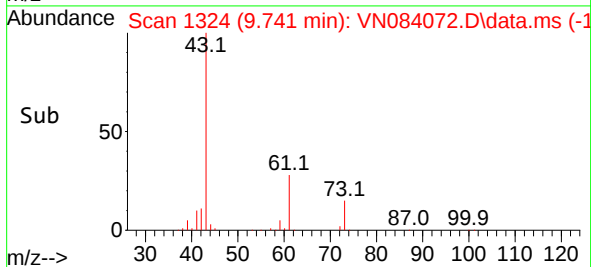
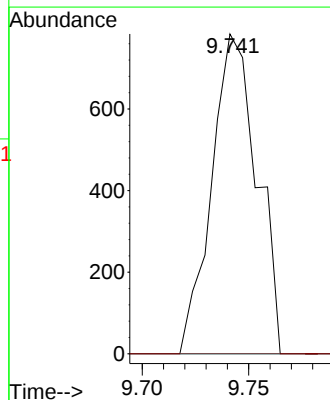
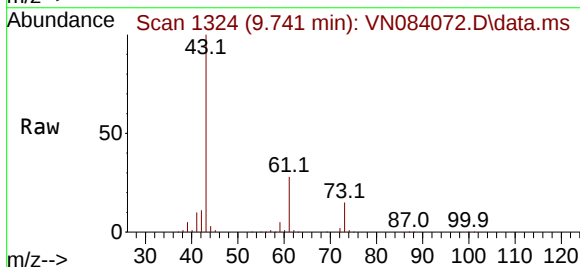


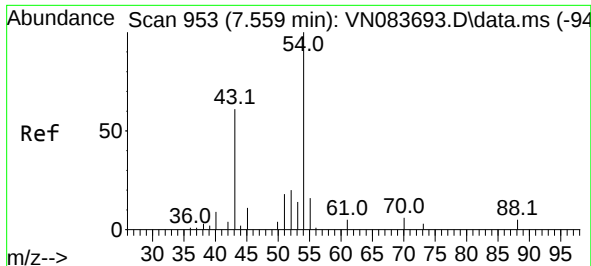
Tgt Ion: 41	Resp: 265
Ion Ratio	Lower Upper
41	100
39	0.0 25.3 75.9#
67	0.0 38.7 116.1#
52	0.0 13.6 40.8#



#39
1,2-Dichloropropane
Concen: 0.795 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Tgt Ion: 63	Resp: 1163
Ion Ratio	Lower Upper
63	100
65	0.0 25.0 37.4#

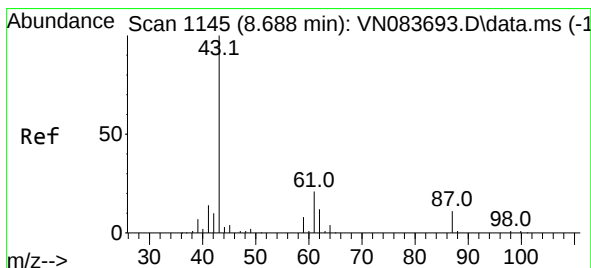
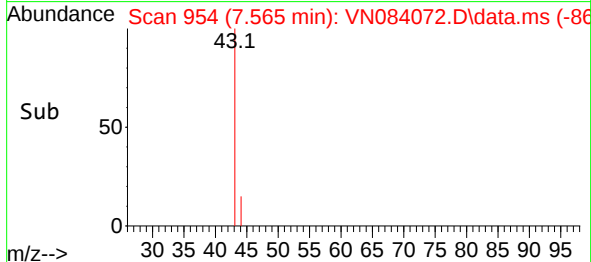
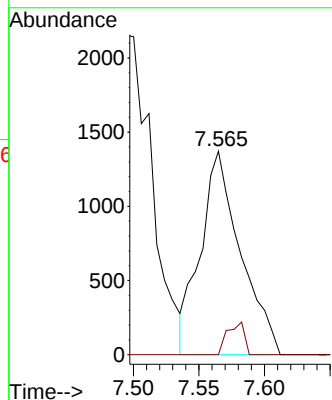
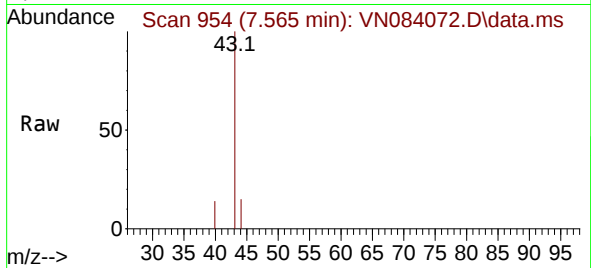




#43
Ethyl Acetate
Concen: 1.515 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

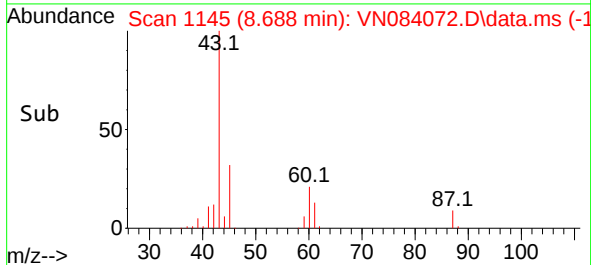
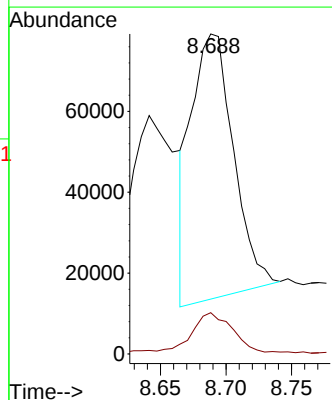
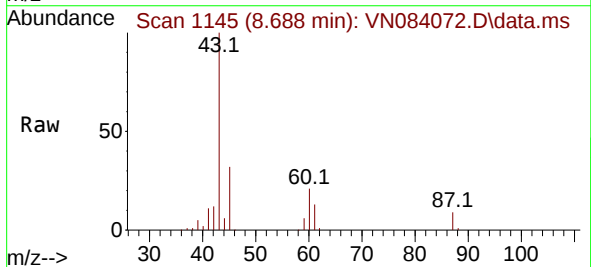
Instrument :
MSVOA_N
ClientSampleId :

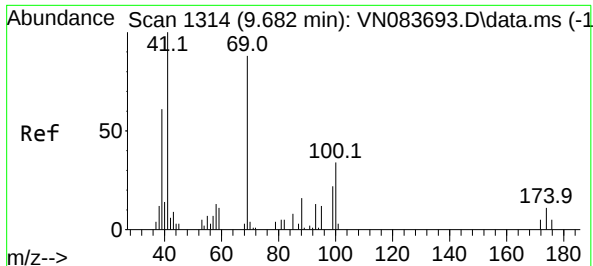
Tgt Ion: 43 Resp: 2913
Ion Ratio Lower Upper
43 100
45 6.7 10.6 15.8#



#44
Isopropyl Acetate
Concen: 44.332 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

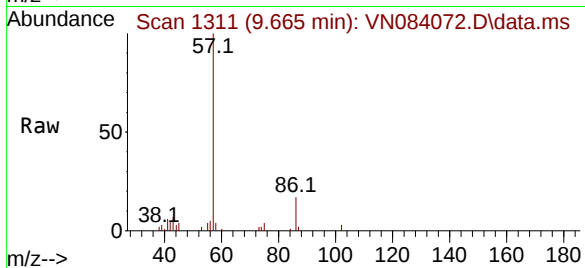
Tgt Ion: 43 Resp: 147398
Ion Ratio Lower Upper
43 100
61 14.0 25.0 37.4#



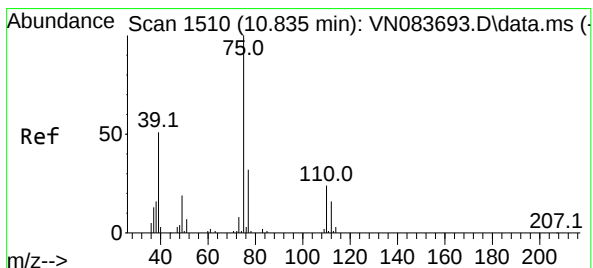
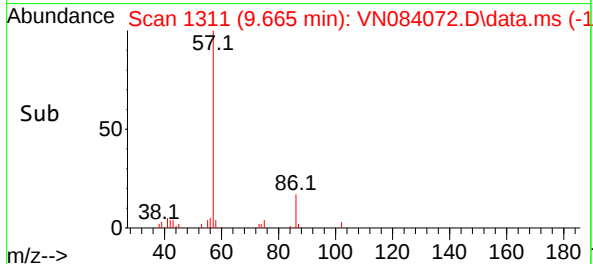
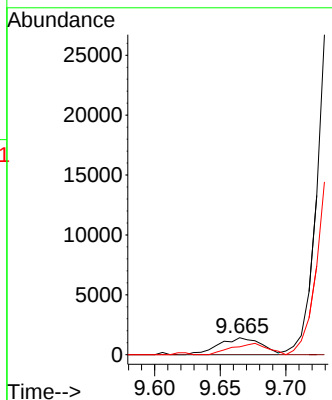


#46
Methyl methacrylate
Concen: 1.972 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

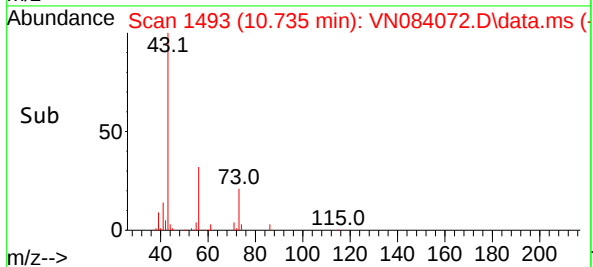
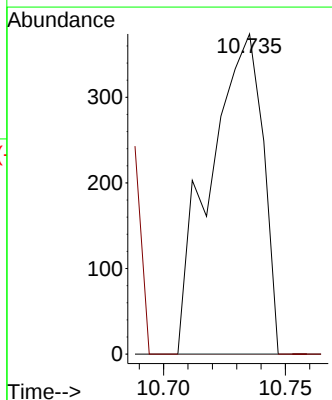
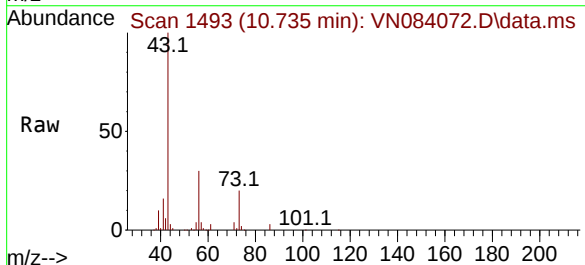


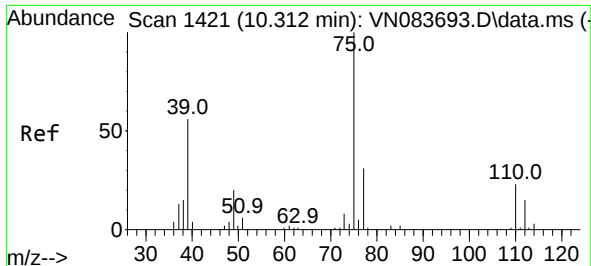
Tgt Ion: 41 Resp: 3174
Ion Ratio Lower Upper
41 100
69 0.0 51.1 153.3#
39 34.9 25.8 77.3



#48
t-1,3-Dichloropropene
Concen: 0.236 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Tgt Ion: 75 Resp: 564
Ion Ratio Lower Upper
75 100
77 0.0 23.8 35.6#

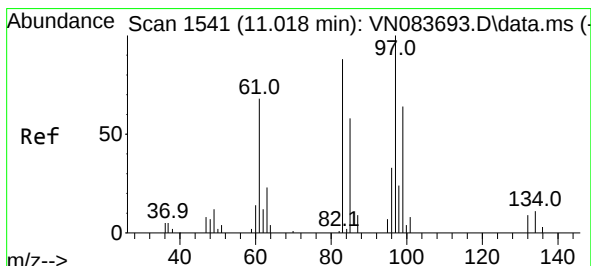
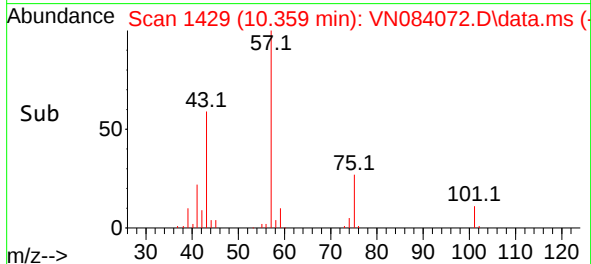
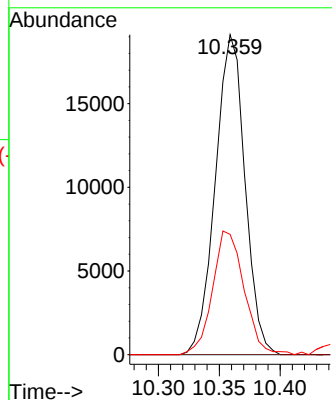
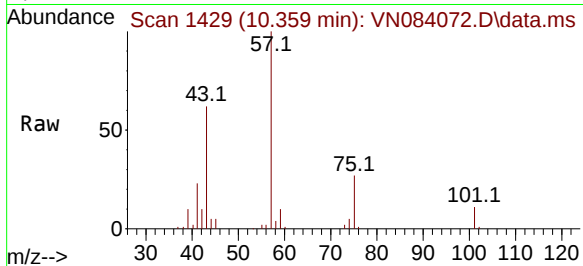




#49
 cis-1,3-Dichloropropene
 Concen: 13.020 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084072.D
 Acq: 20 Sep 2024 15:57

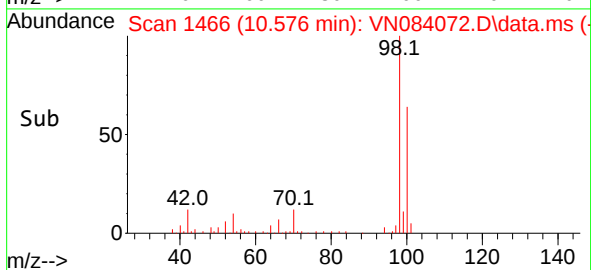
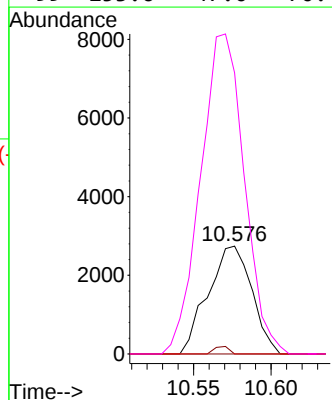
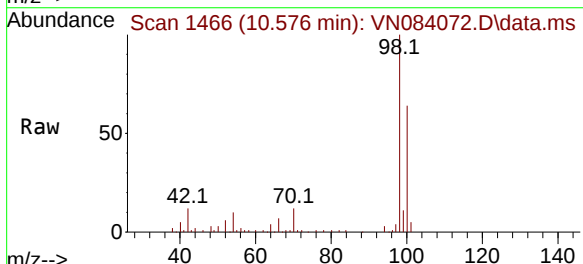
Instrument :
 MSVOA_N
 ClientSampleId :

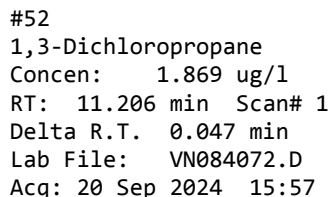
Tgt Ion: 75 Resp: 32400
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 37.6 31.0 46.6



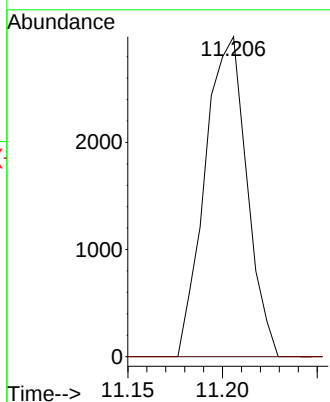
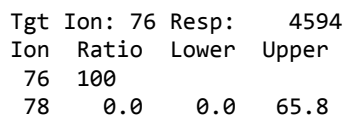
#50
 1,1,2-Trichloroethane
 Concen: 3.956 ug/l
 RT: 10.576 min Scan# 1466
 Delta R.T. -0.441 min
 Lab File: VN084072.D
 Acq: 20 Sep 2024 15:57

Tgt Ion: 97 Resp: 5385
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.1 102.1#
 85 0.0 41.8 62.6#
 99 253.6 47.0 70.4#

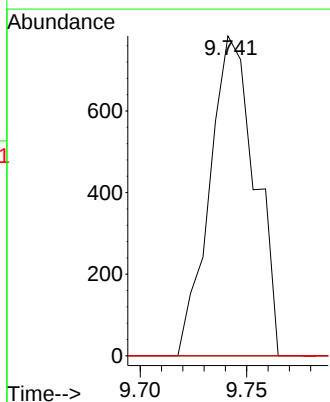


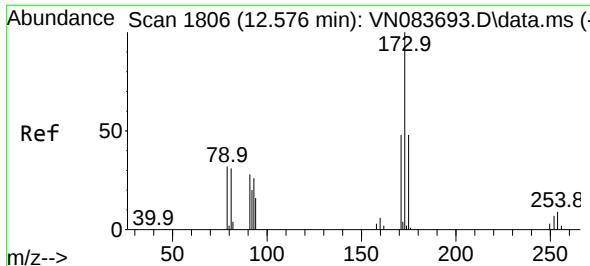


Instrument :
MSVOA_N
ClientSampleId :



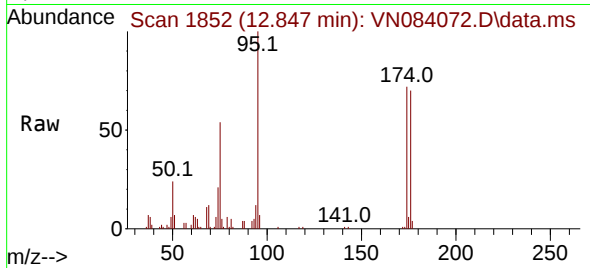
Tgt Ion: 63	Resp:	1163	
Ion Ratio	Lower	Upper	
63 100			
65	0.0	26.2	39.2#
106	0.0	23.8	35.8#



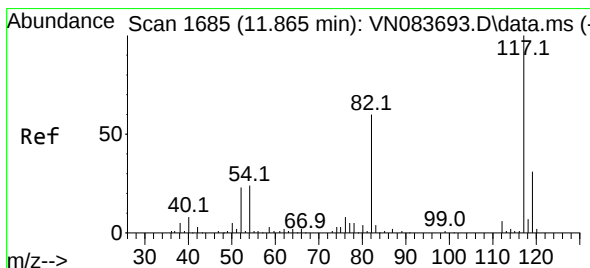
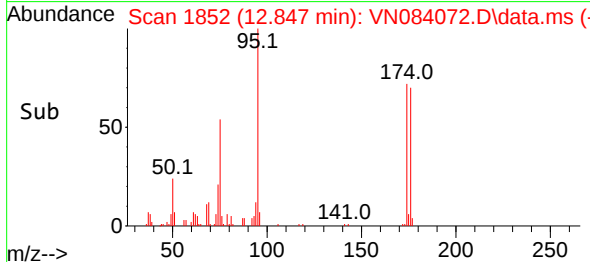
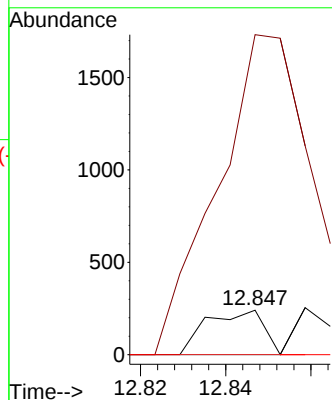


#56
Bromoform
Concen: 0.216 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

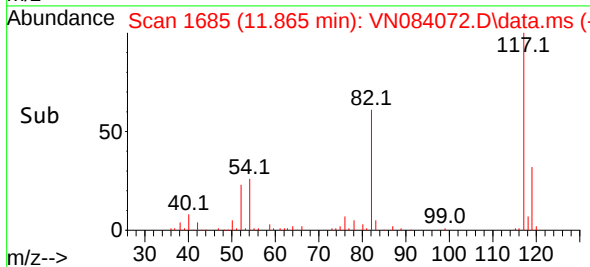
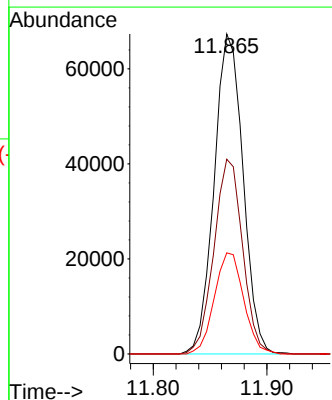
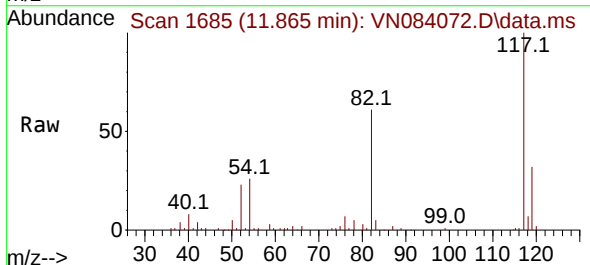


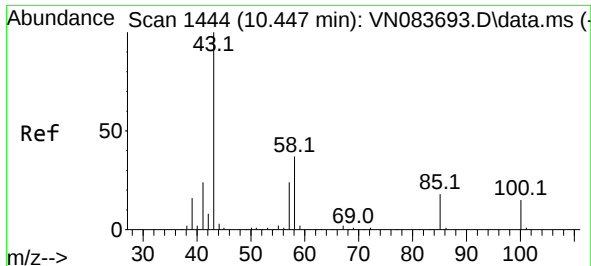
Tgt Ion:173 Resp: 224
Ion Ratio Lower Upper
173 100
175 1258.0 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Tgt Ion:117 Resp: 119096
Ion Ratio Lower Upper
117 100
82 60.3 46.6 69.8
119 32.1 25.4 38.2

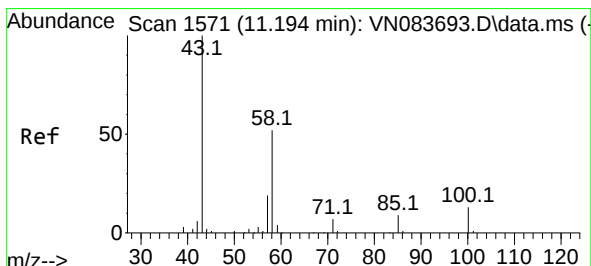
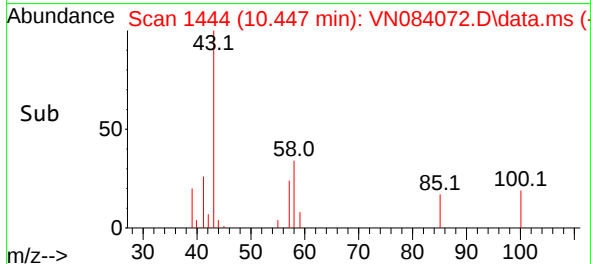
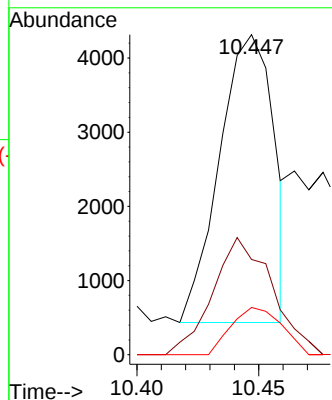
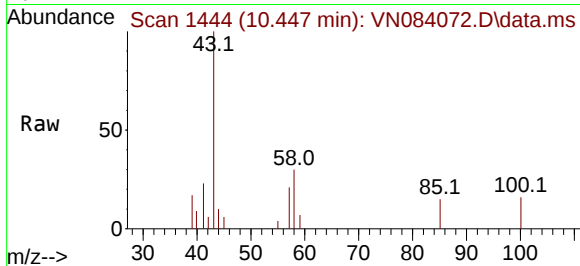




#58
4-Methyl-2-Pentanone
Concen: 3.212 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

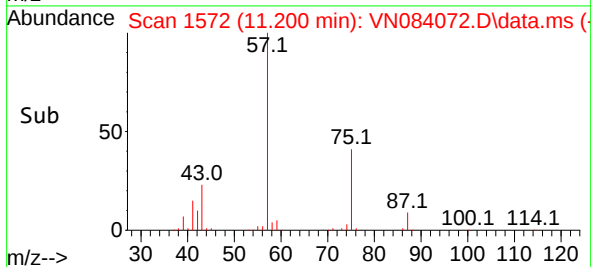
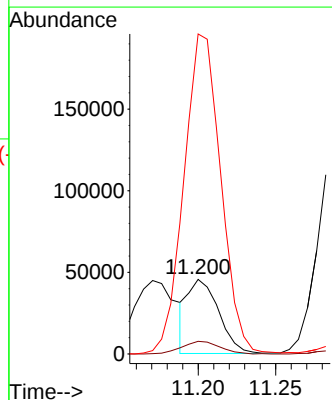
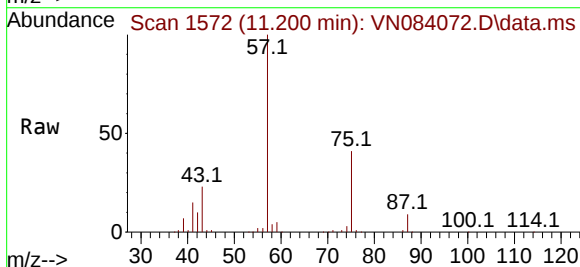
Instrument :
MSVOA_N
ClientSampleId :

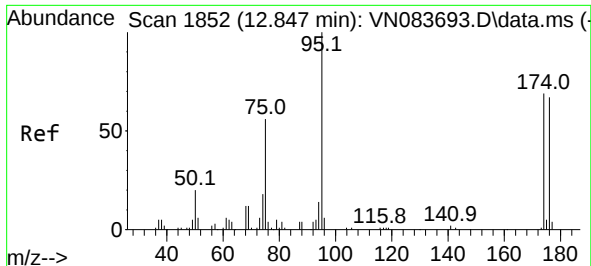
Tgt Ion: 43 Resp: 6066
Ion Ratio Lower Upper
43 100
58 44.2 36.5 54.7
85 15.2 19.5 29.3#



#59
2-Hexanone
Concen: 44.212 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Tgt Ion: 43 Resp: 63087
Ion Ratio Lower Upper
43 100
58 20.8 50.4 75.6#
57 515.0 18.6 27.8#

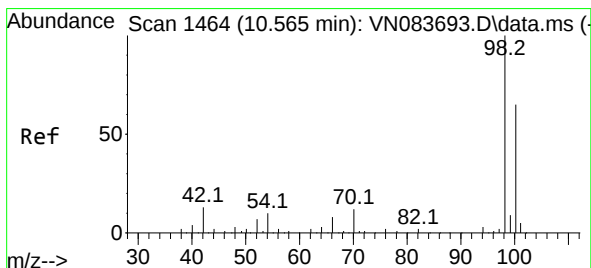
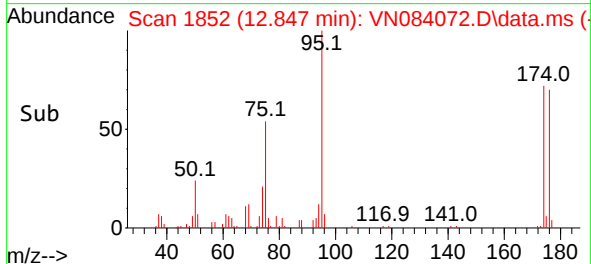
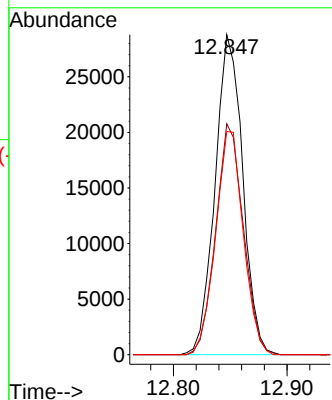
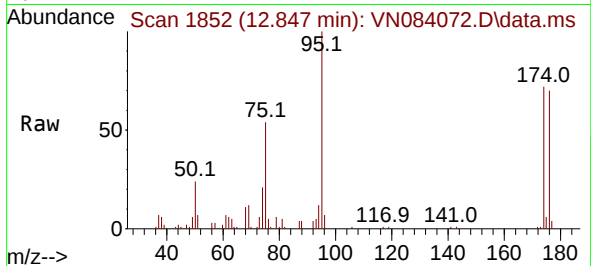




#60
4-Bromofluorobenzene
Concen: 23.692 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

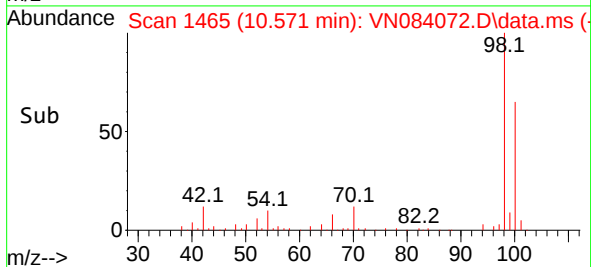
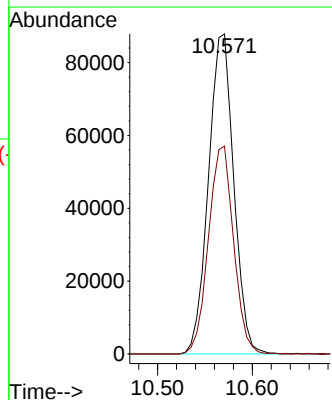
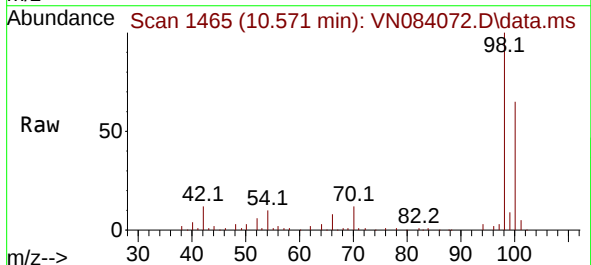
Instrument :
MSVOA_N
ClientSampleId :

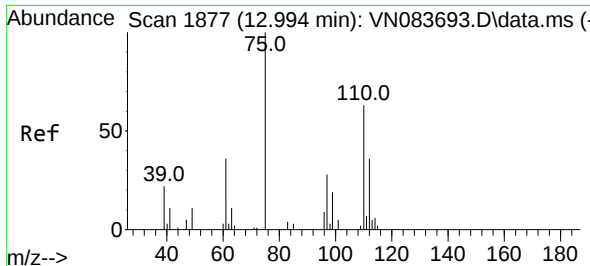
Tgt Ion: 95 Resp: 48630
Ion Ratio Lower Upper
95 100
174 72.2 60.5 90.7
176 70.2 57.8 86.6



#63
Toluene-d8
Concen: 29.556 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Tgt Ion: 98 Resp: 162988
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1

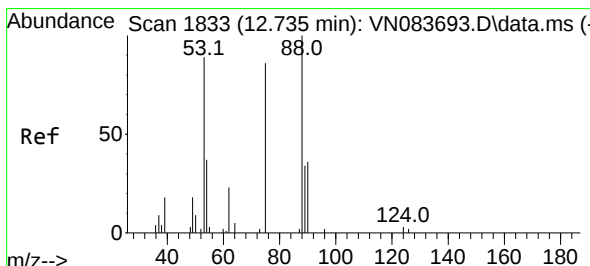
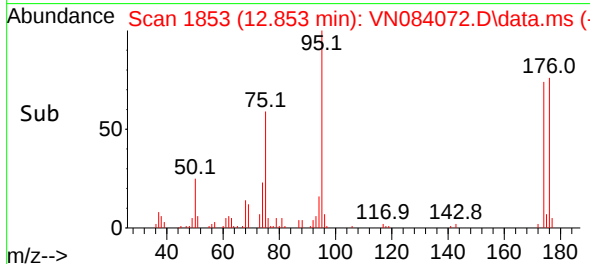
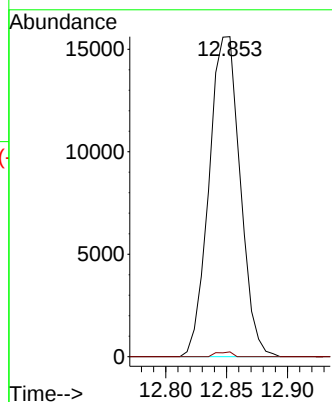
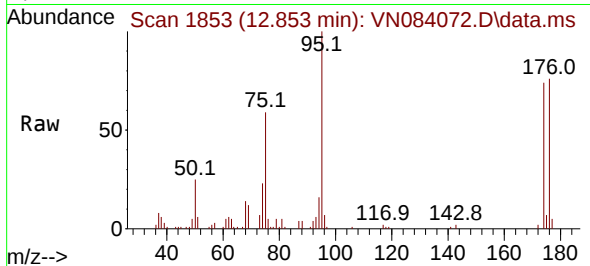




#72
1,2,3-Trichloropropane
Concen: 15.880 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 27817
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 37.570 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN084072.D
Acq: 20 Sep 2024 15:57

Tgt Ion: 75 Resp: 27817
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

