

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN084001.D
 Acq On : 18 Sep 2024 22:39
 Operator : JC\MD
 Sample : P4087-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

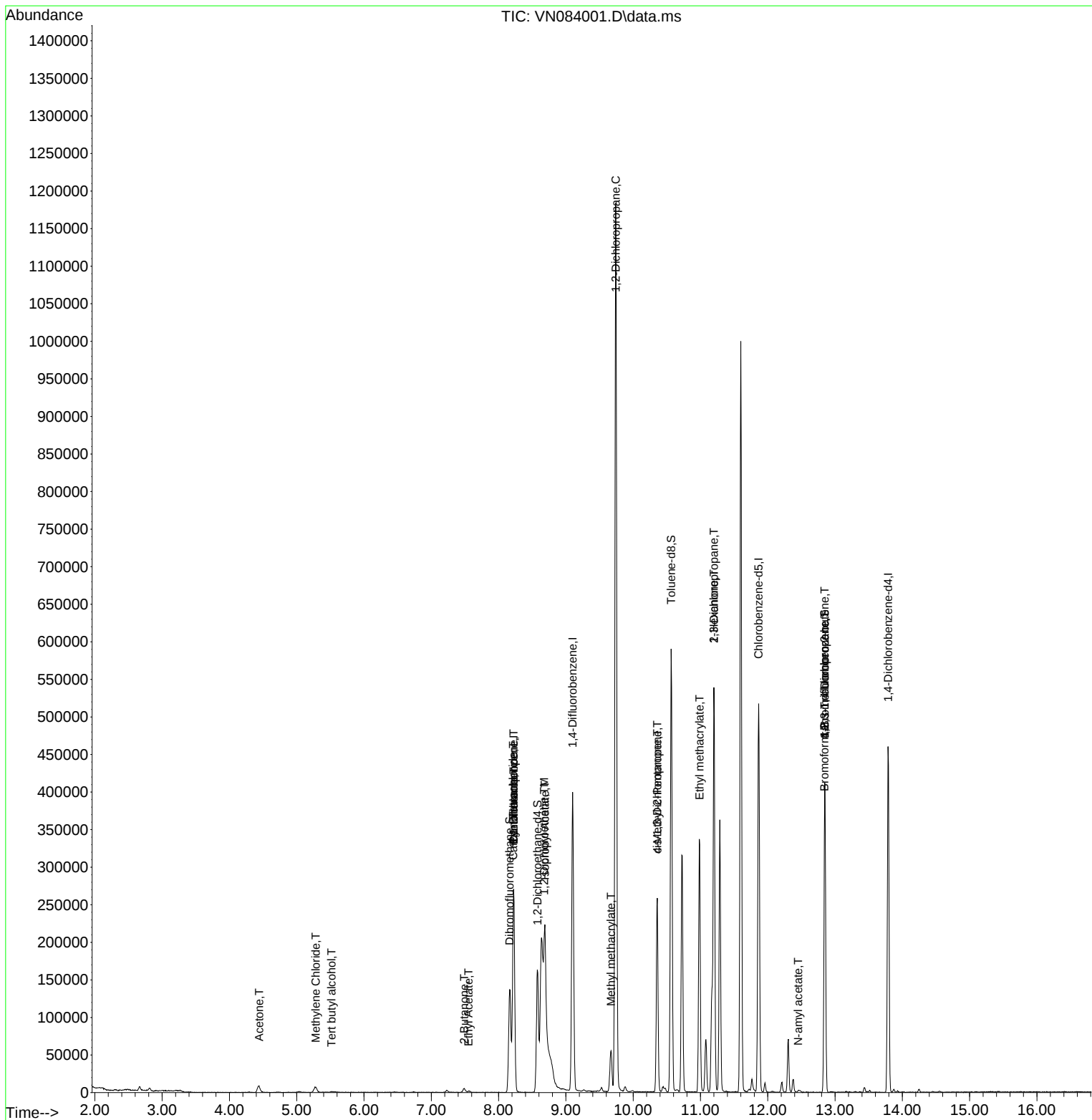
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:44:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142606	52.385	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.780%			
35) Dibromofluoromethane	8.165	113	100246	49.031	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.060%			
50) Toluene-d8	10.565	98	384405	54.386	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.780%			
62) 4-Bromofluorobenzene	12.847	95	143048	49.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.100%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	178	Below Cal	#	41
11) Tert butyl alcohol	5.518	59	1525	4.183	ug/l #	71
16) Acetone	4.442	43	18024	16.516	ug/l	96
18) Methyl Acetate	5.036	43	2246	Below Cal	#	83
20) Methylene Chloride	5.283	84	5327	2.385	ug/l #	83
25) 2-Butanone	7.488	43	8761	6.108	ug/l	94
31) Cyclohexane	8.224	56	5095	1.295	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	18068	5.871	ug/l #	50
37) Ethyl Acetate	7.553	43	3797	1.359	ug/l #	75
38) Carbon Tetrachloride	8.218	117	21330	6.110	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	1209	0.349	ug/l #	77
43) Isopropyl Acetate	8.688	43	336069	66.392	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1225	0.547	ug/l #	42
48) Methyl methacrylate	9.671	41	3646	1.518	ug/l #	48
51) 4-Methyl-2-Pentanone	10.359	43	99058	35.950	ug/l #	46
54) cis-1,3-Dichloropropene	10.359	75	43660	12.083	ug/l #	63
56) Ethyl methacrylate	10.988	69	944	0.290	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5161	1.420	ug/l #	42
59) 2-Hexanone	11.200	43	74291	36.448	ug/l #	55
71) Bromoform	12.841	173	443	0.307	ug/l #	29
74) N-amyl acetate	12.453	43	3165	0.833	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	81184	34.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81184	91.500	ug/l #	9

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

Quant Time: Sep 19 01:44:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

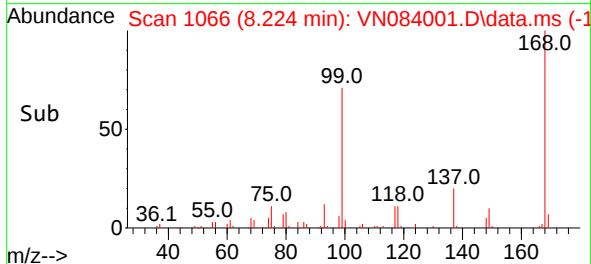
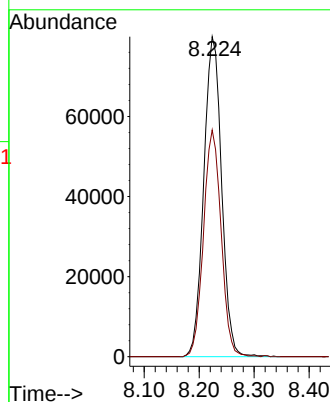
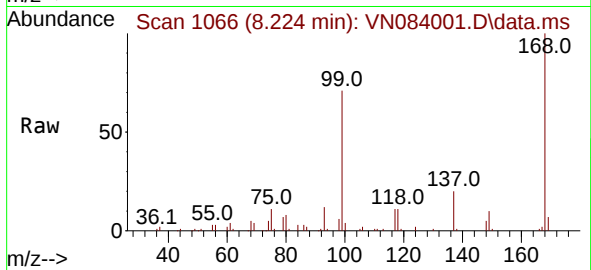




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

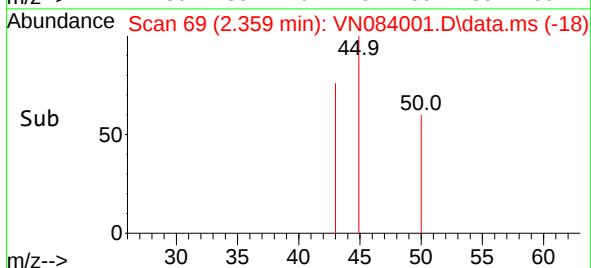
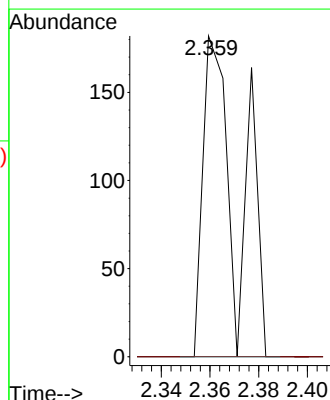
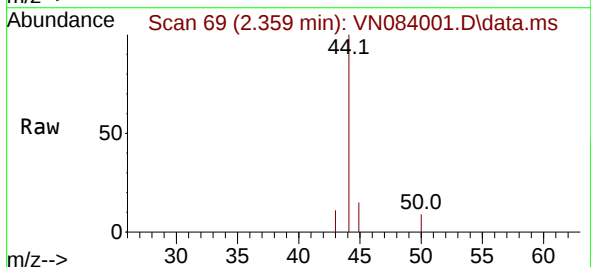
Instrument :
MSVOA_N
ClientSampleId :

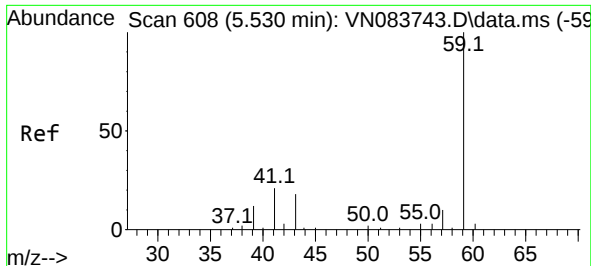
Tgt Ion:168 Resp: 180537
Ion Ratio Lower Upper
168 100
99 70.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

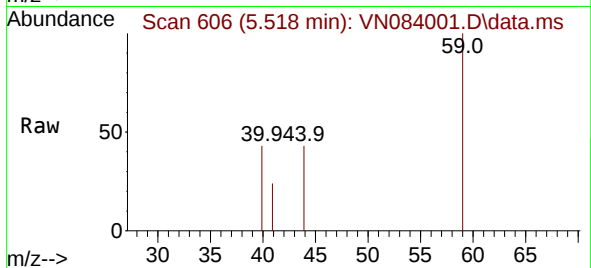
Tgt Ion: 50 Resp: 178
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



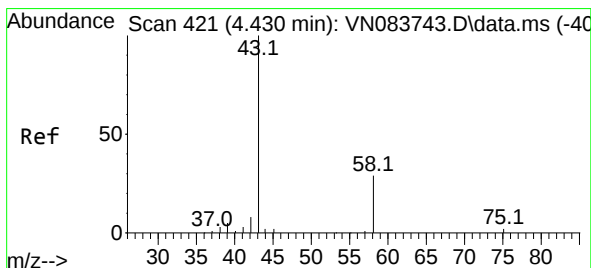
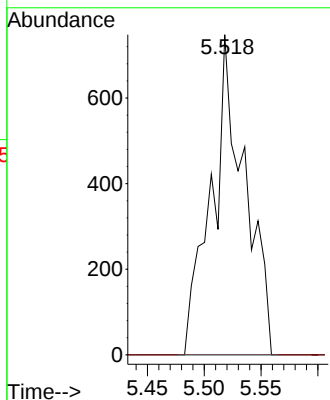
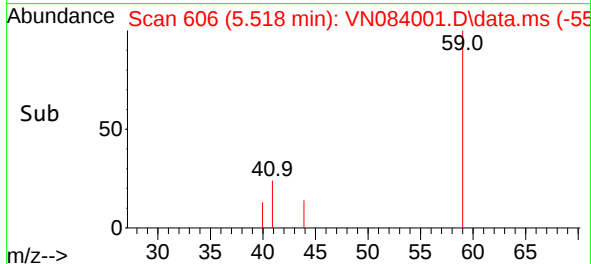


#11
Tert butyl alcohol
Concen: 4.183 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

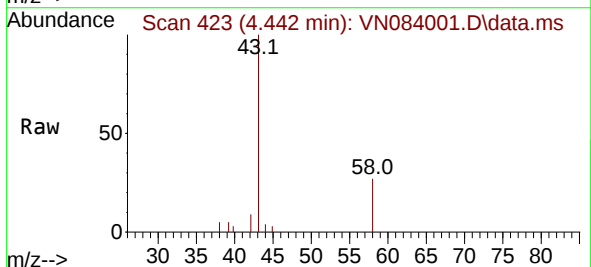
Instrument :
MSVOA_N
ClientSampleId :



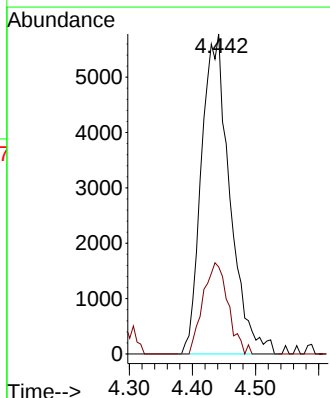
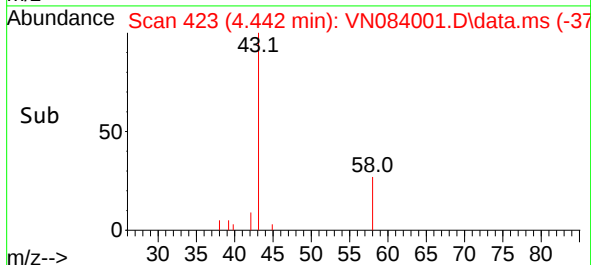
Tgt Ion: 59 Resp: 1525
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 16.516 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39



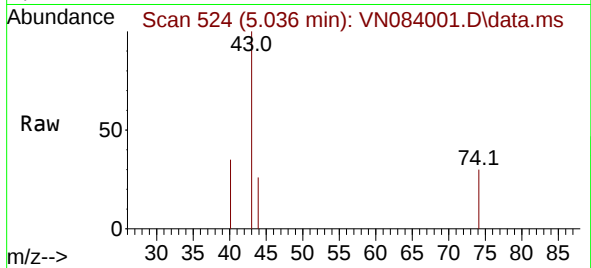
Tgt Ion: 43 Resp: 18024
Ion Ratio Lower Upper
43 100
58 27.2 23.7 35.5



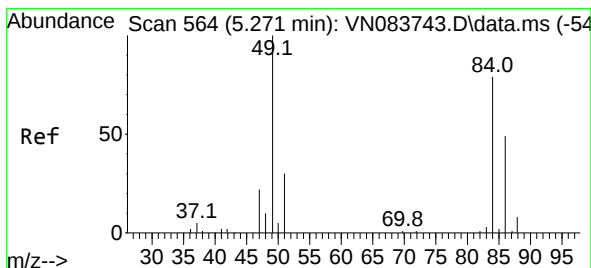
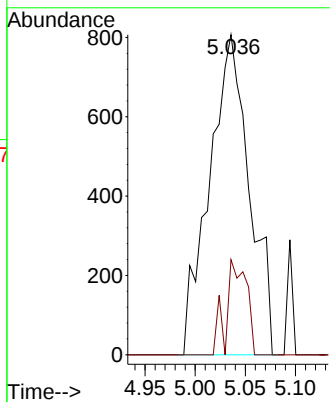
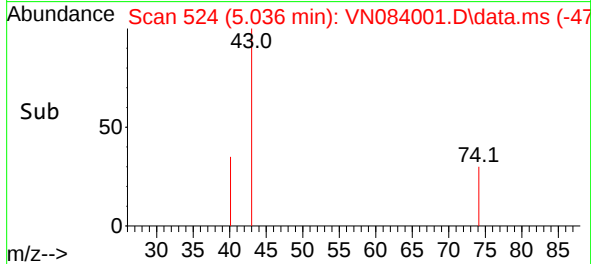


#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

Instrument :
MSVOA_N
ClientSampleId :

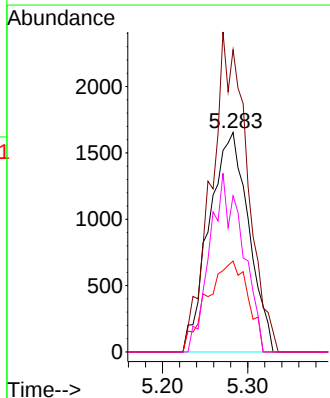
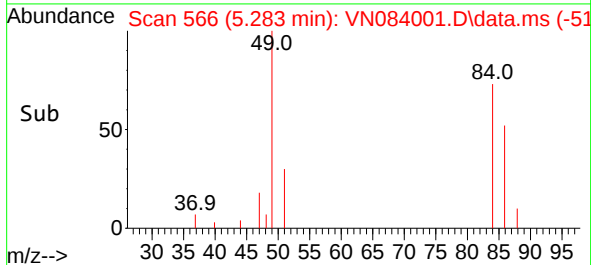
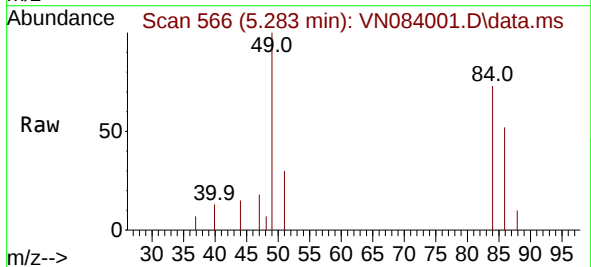


Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
74 15.1 19.0 28.4#



#20
Methylene Chloride
Concen: 2.385 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

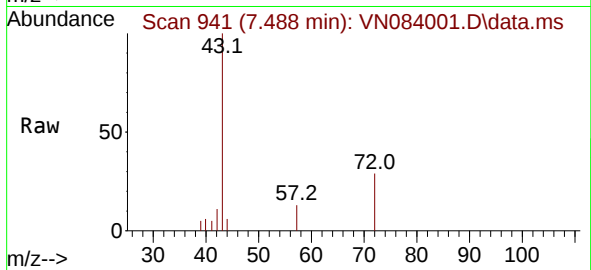
Tgt Ion: 84 Resp: 5327
Ion Ratio Lower Upper
84 100
49 137.7 93.4 140.0
51 41.4 29.2 43.8
86 71.2 46.9 70.3#



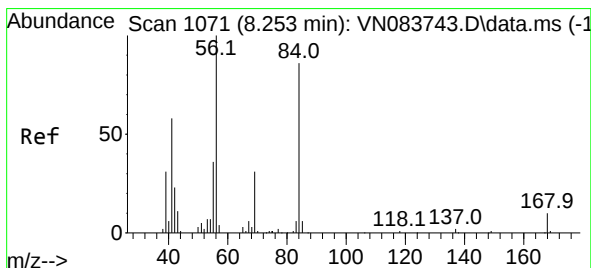
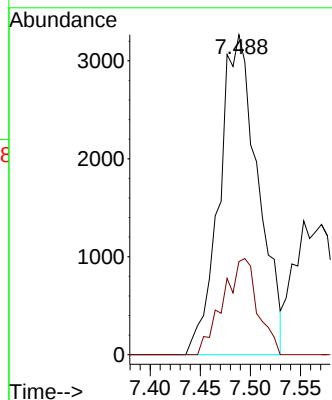
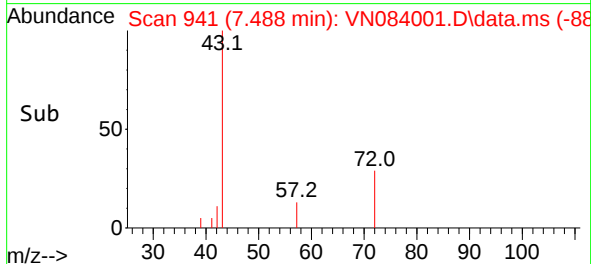


#25
2-Butanone
Concen: 6.108 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

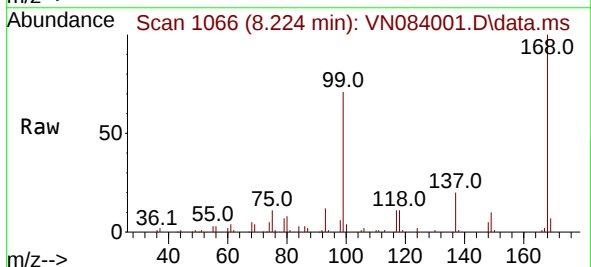
Instrument :
MSVOA_N
ClientSampleId :



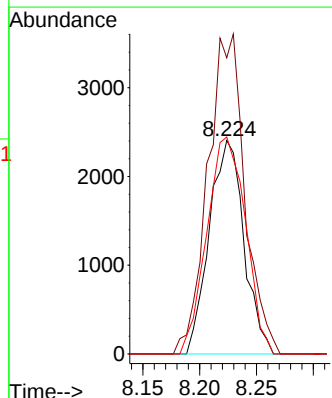
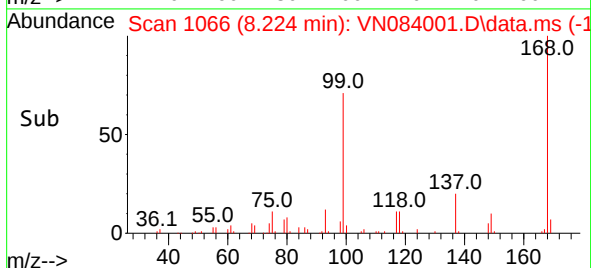
Tgt Ion: 43 Resp: 8761
Ion Ratio Lower Upper
43 100
72 29.1 20.8 31.2

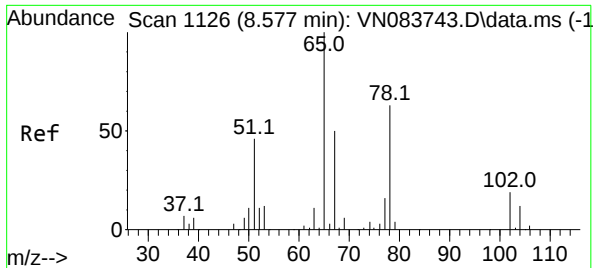


#31
Cyclohexane
Concen: 1.295 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39



Tgt Ion: 56 Resp: 5095
Ion Ratio Lower Upper
56 100
69 138.7 26.9 40.3#
84 101.6 69.2 103.8

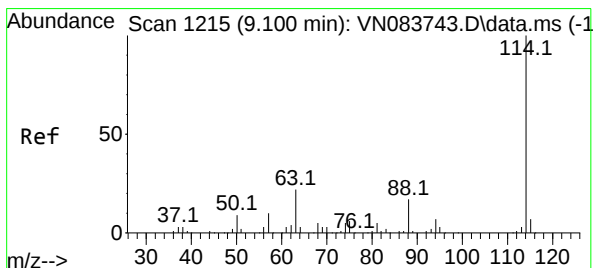
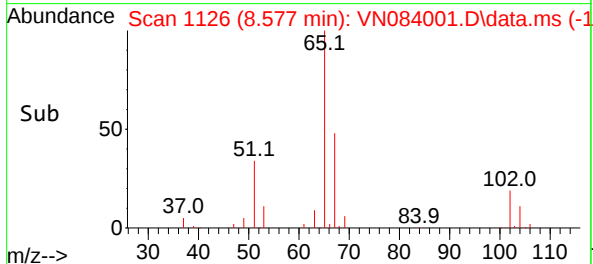
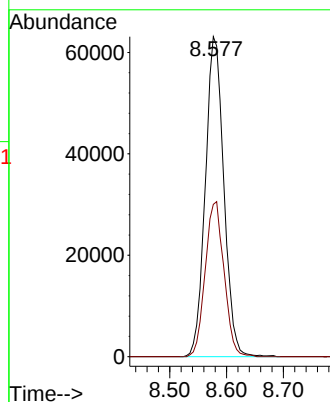
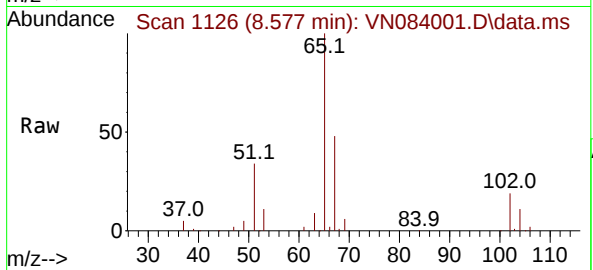




#33
 1,2-Dichloroethane-d4
 Concen: 52.385 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084001.D
 Acq: 18 Sep 2024 22:39

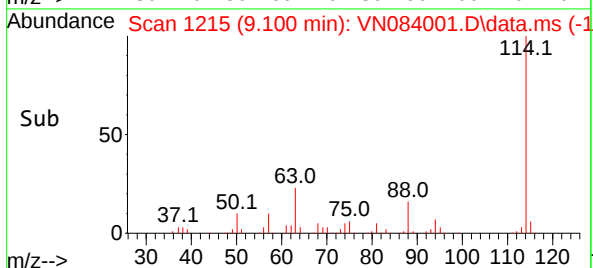
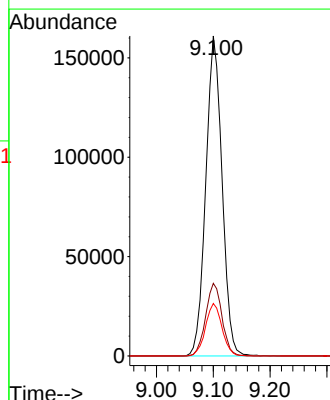
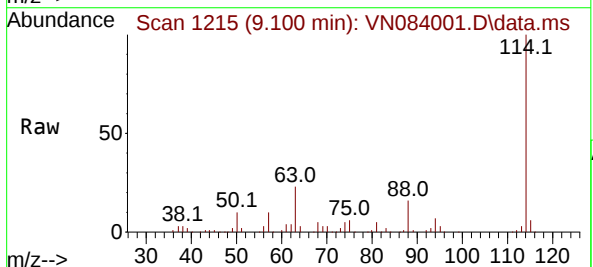
Instrument :
 MSVOA_N
 ClientSampleId :

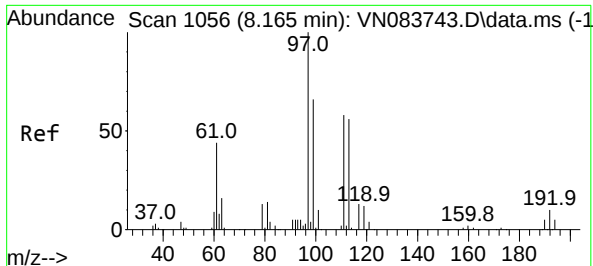
Tgt Ion: 65 Resp: 142606
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084001.D
 Acq: 18 Sep 2024 22:39

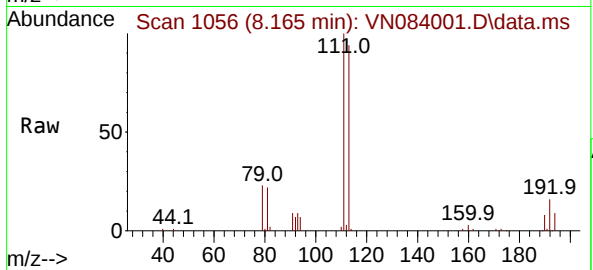
Tgt Ion: 114 Resp: 319367
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.4
 88 16.4 0.0 32.6



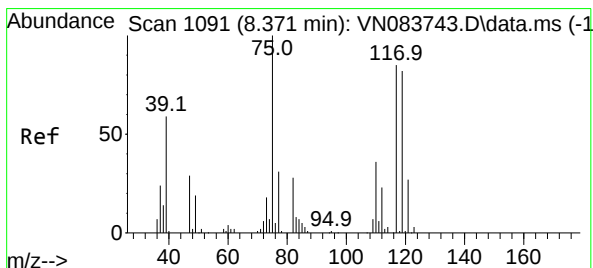
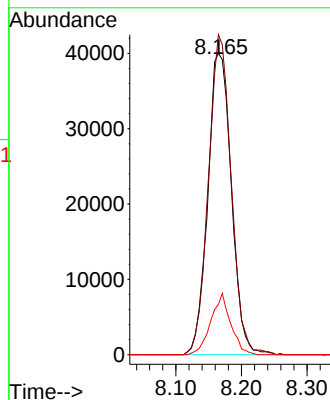
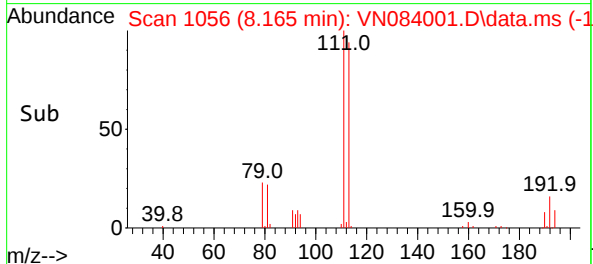


#35
Dibromofluoromethane
Concen: 49.031 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

Instrument :
MSVOA_N
ClientSampleId :

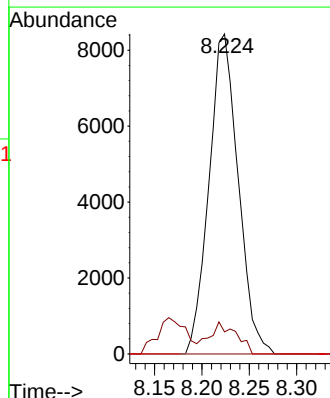
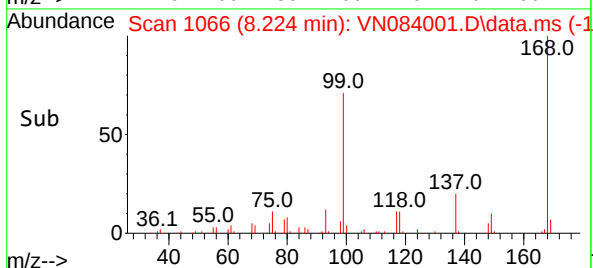
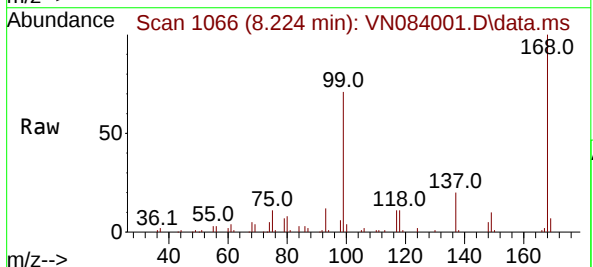


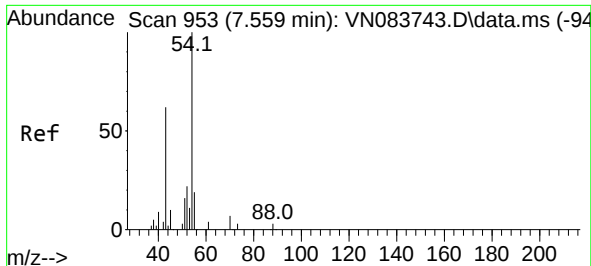
Tgt Ion:113 Resp: 100246
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 17.1 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.871 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

Tgt Ion: 75 Resp: 18068
Ion Ratio Lower Upper
75 100
110 9.1 16.7 50.1#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.359 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

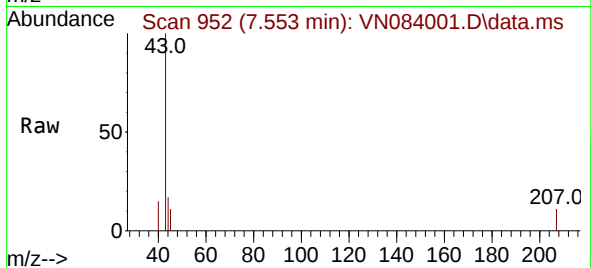
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Acq: 18 Sep 2024 22:39

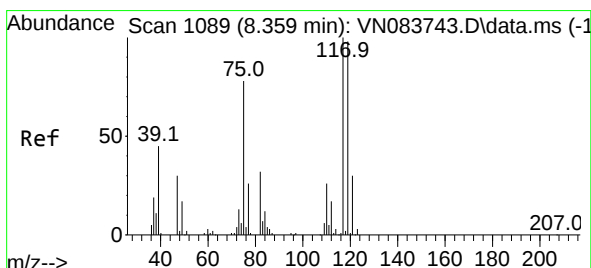
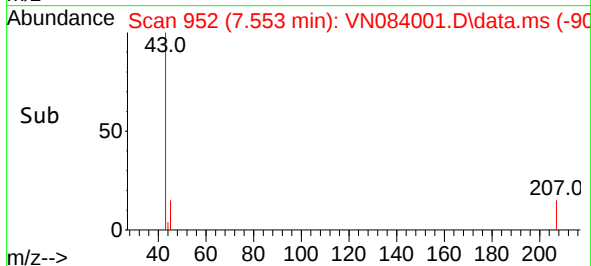
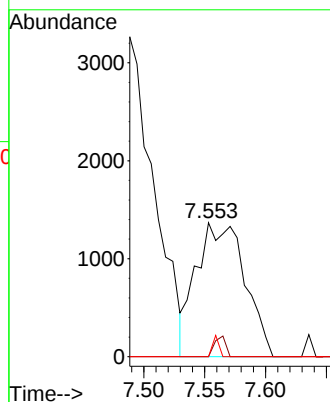
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 3797
Ion Ratio	Lower Upper
43 100	
61 3.5	11.1 16.7#
70 2.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 6.110 ug/l

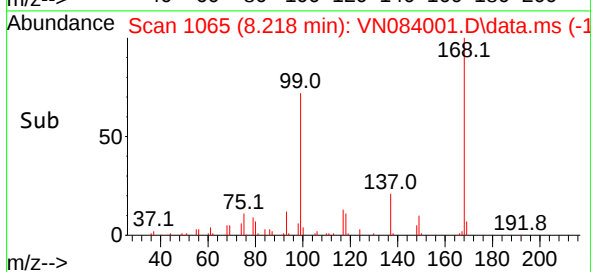
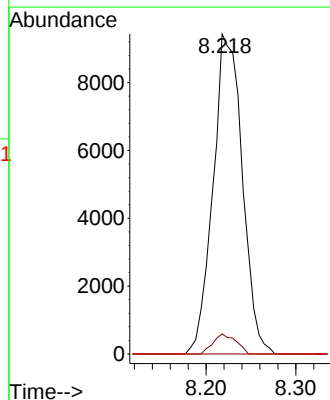
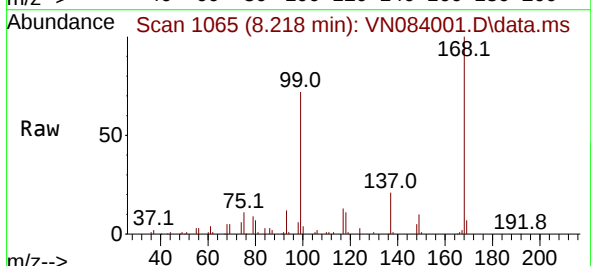
RT: 8.218 min Scan# 1065

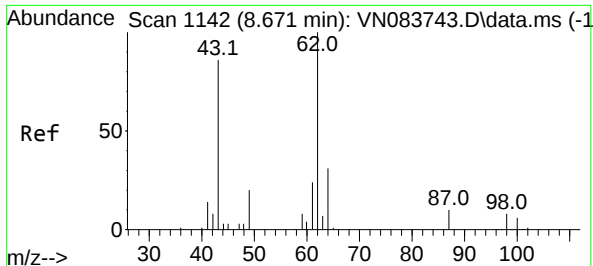
Delta R.T. -0.141 min

Lab File: VN084001.D

Acq: 18 Sep 2024 22:39

Tgt Ion:117	Resp:	21330	
Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.1	114.1#
121	0.0	24.1	36.1#





#42

1,2-Dichloroethane

Concen: 0.349 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084001.D

Acq: 18 Sep 2024 22:39

Instrument :

MSVOA_N

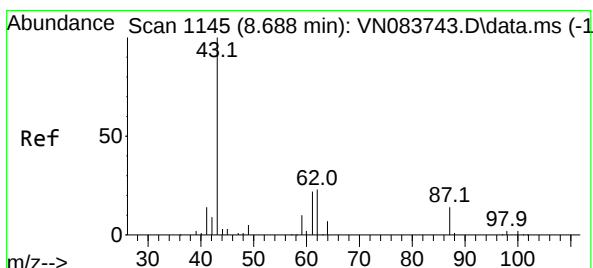
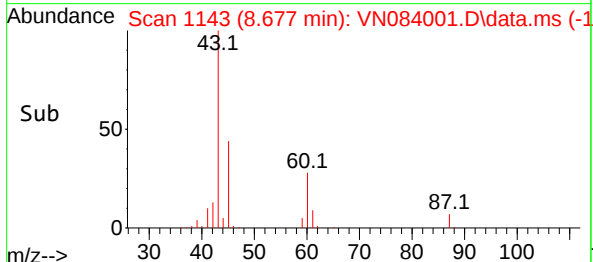
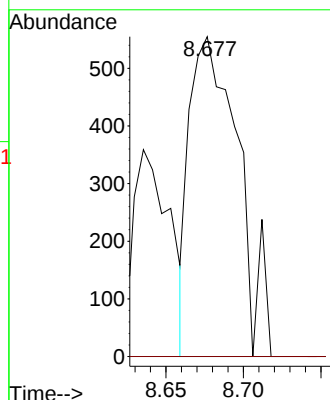
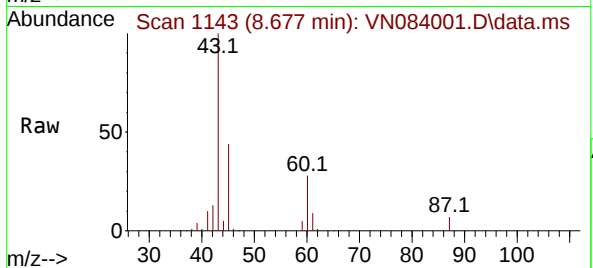
ClientSampleId :

Tgt Ion: 62 Resp: 1209

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 66.392 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN084001.D

Acq: 18 Sep 2024 22:39

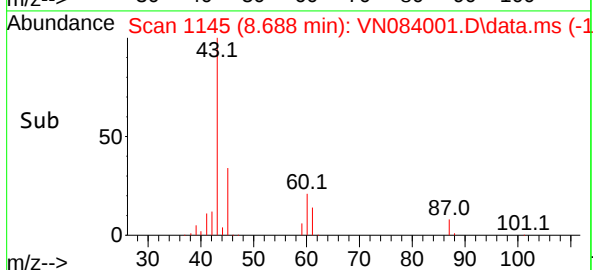
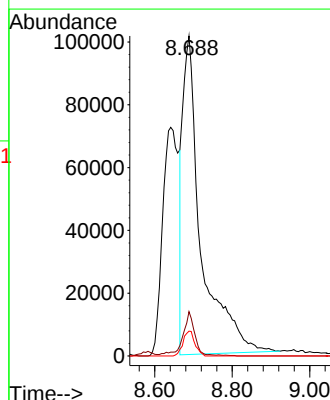
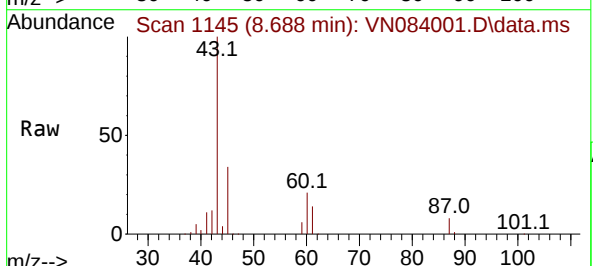
Tgt Ion: 43 Resp: 336069

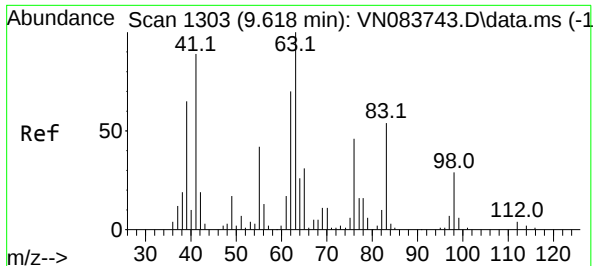
Ion Ratio Lower Upper

43 100

61 8.5 19.4 29.0#

87 5.0 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.547 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN084001.D

Acq: 18 Sep 2024 22:39

Instrument :

MSVOA_N

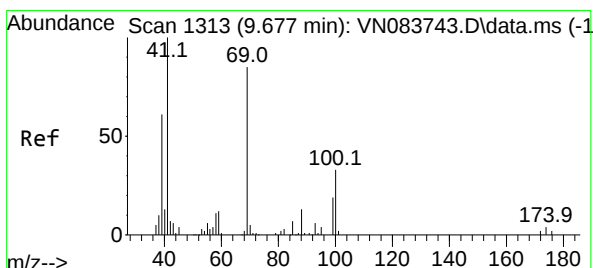
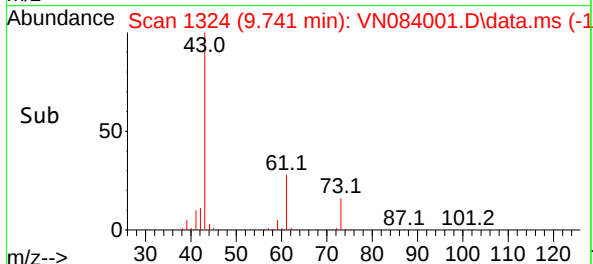
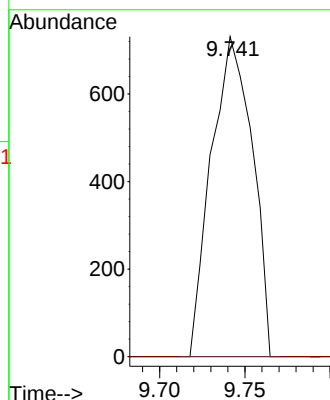
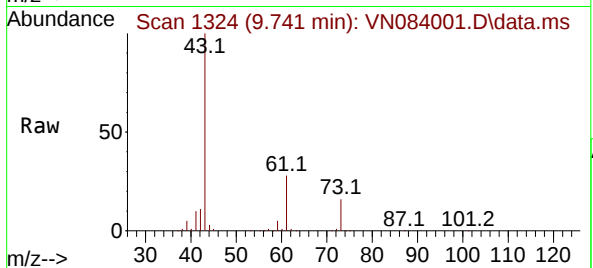
ClientSampleId :

Tgt Ion: 63 Resp: 1225

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 1.518 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084001.D

Acq: 18 Sep 2024 22:39

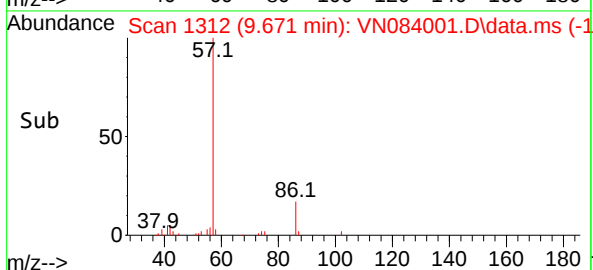
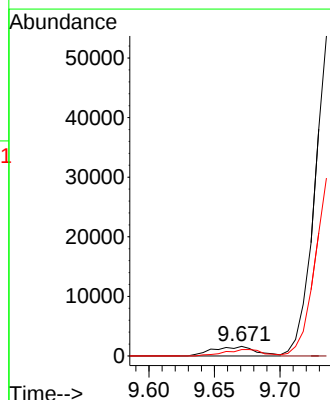
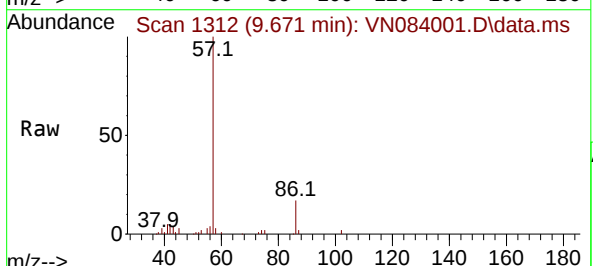
Tgt Ion: 41 Resp: 3646

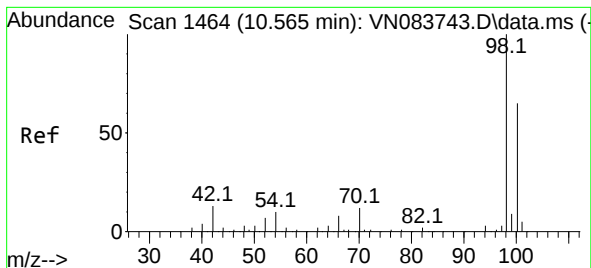
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 60.0 48.9 73.3

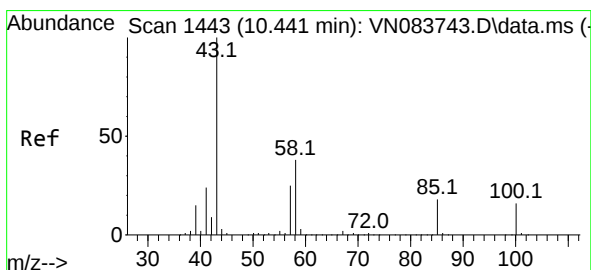
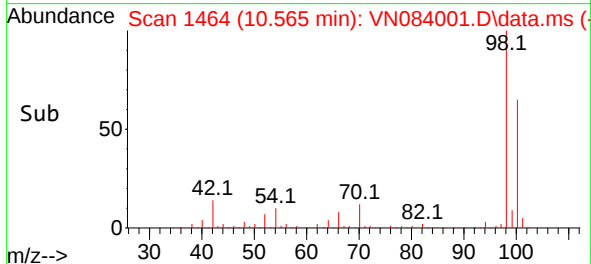
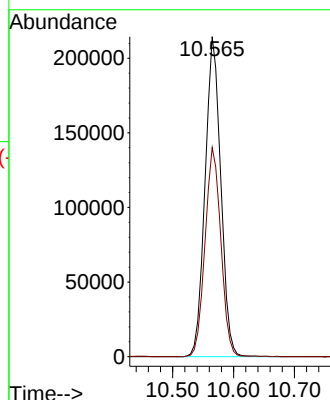
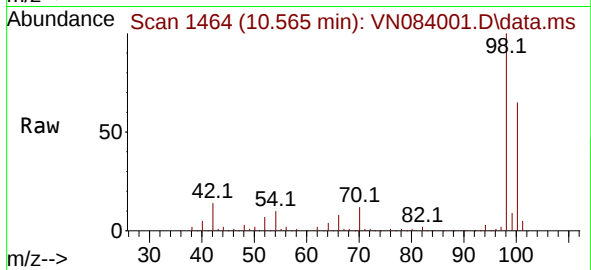




#50
Toluene-d8
Concen: 54.386 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

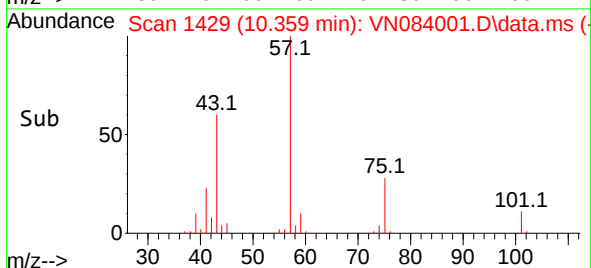
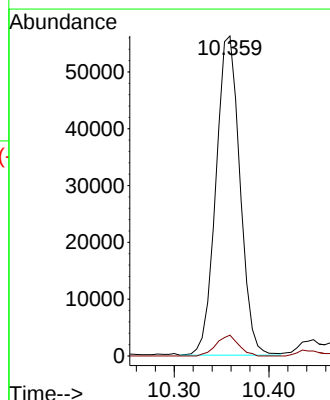
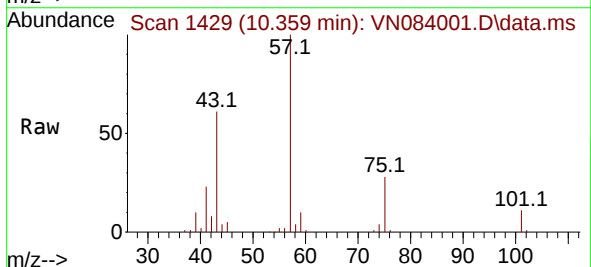
Instrument :
MSVOA_N
ClientSampleId :

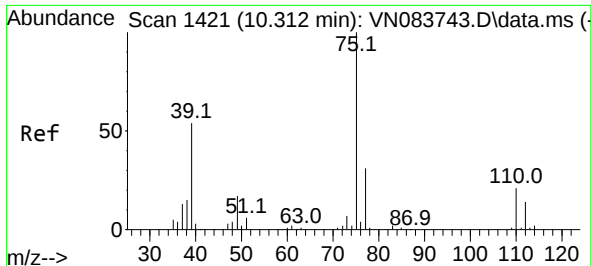
Tgt Ion: 98 Resp: 384405
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 35.950 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.082 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

Tgt Ion: 43 Resp: 99058
Ion Ratio Lower Upper
43 100
58 6.1 31.6 47.4#

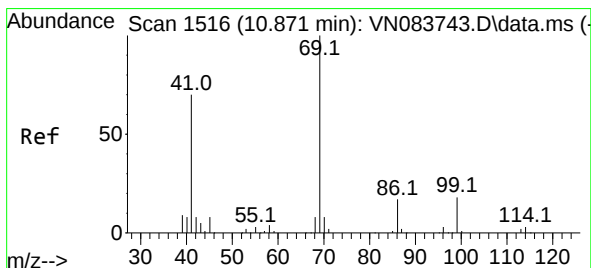
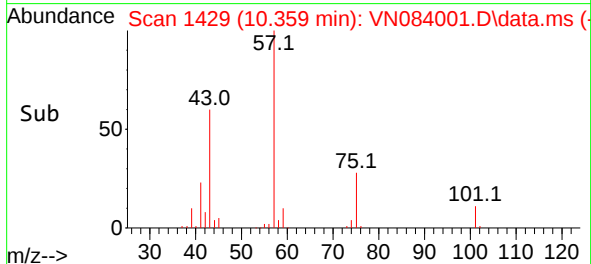
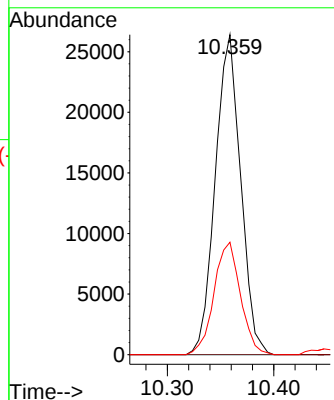
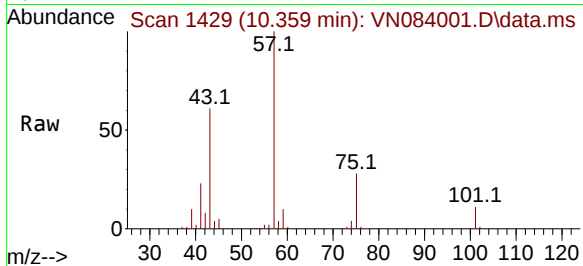




#54
 cis-1,3-Dichloropropene
 Concen: 12.083 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084001.D
 Acq: 18 Sep 2024 22:39

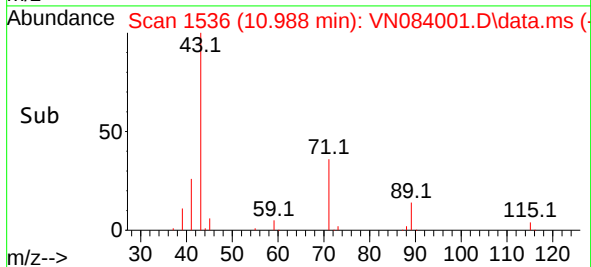
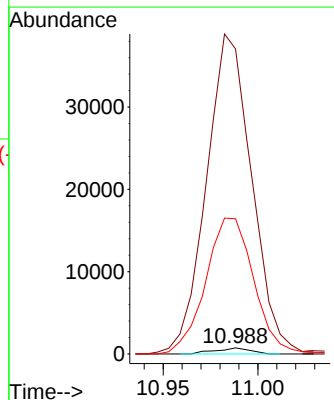
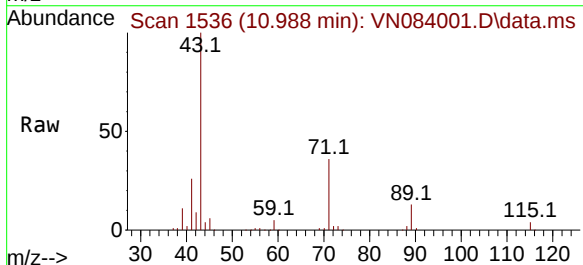
Instrument :
 MSVOA_N
 ClientSampleId :

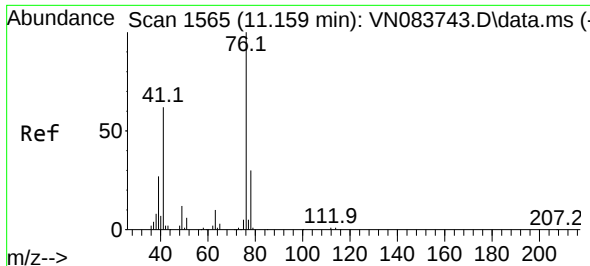
Tgt Ion: 75 Resp: 43660
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.1 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.290 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084001.D
 Acq: 18 Sep 2024 22:39

Tgt Ion: 69 Resp: 944
 Ion Ratio Lower Upper
 69 100
 41 6897.7 53.9 80.9#
 39 3103.4 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.420 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084001.D

Acq: 18 Sep 2024 22:39

Instrument :

MSVOA_N

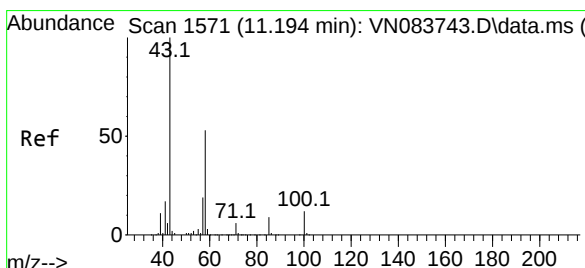
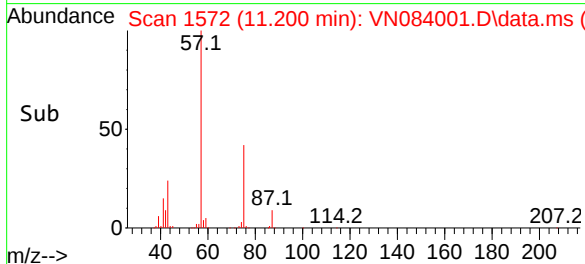
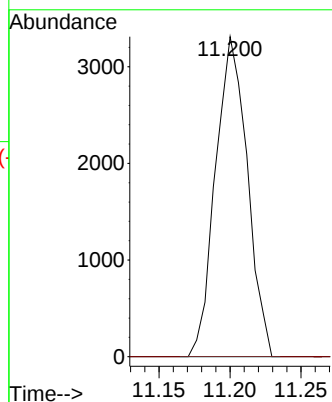
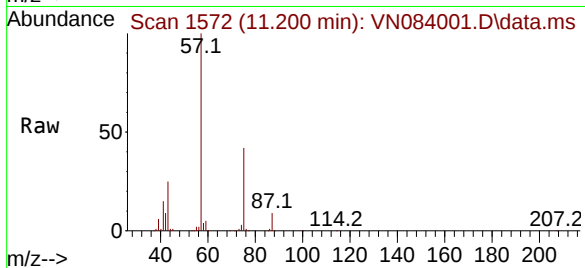
ClientSampleId :

Tgt Ion: 76 Resp: 5161

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 36.448 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084001.D

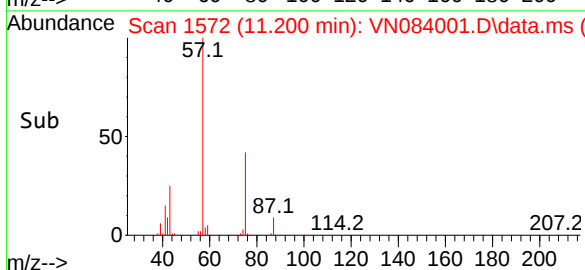
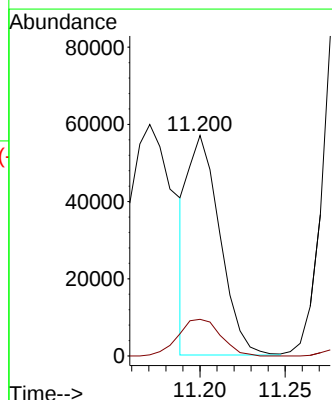
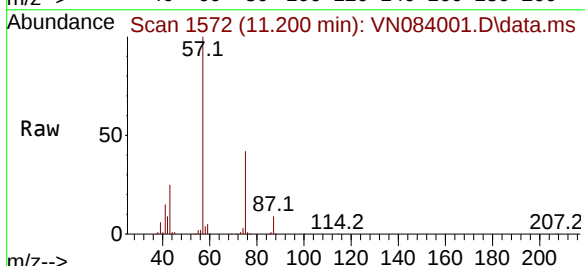
Acq: 18 Sep 2024 22:39

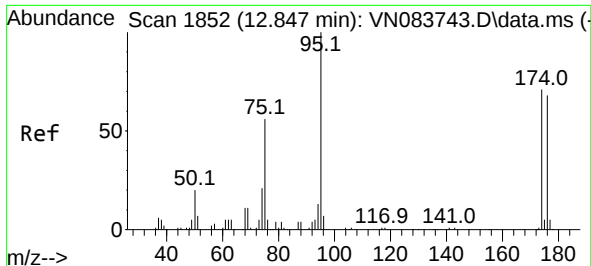
Tgt Ion: 43 Resp: 74291

Ion Ratio Lower Upper

43 100

58 22.3 27.2 81.5#

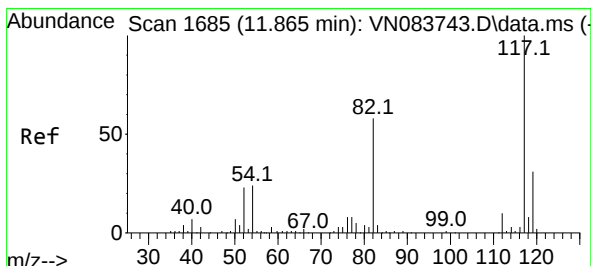
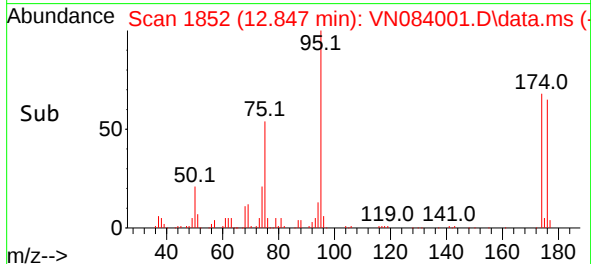
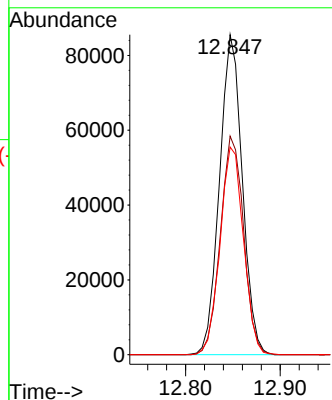
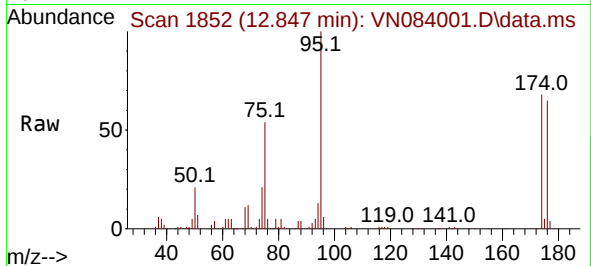




#62
4-Bromofluorobenzene
Concen: 49.054 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

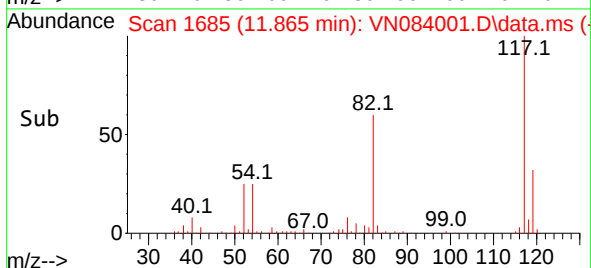
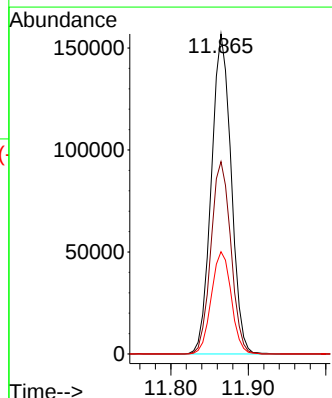
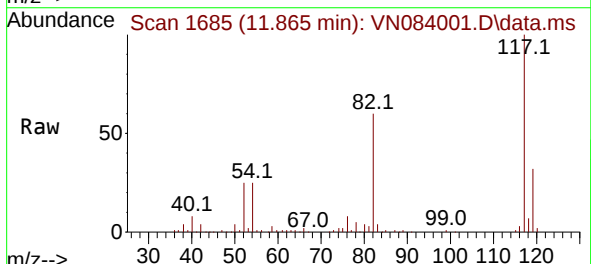
Instrument :
MSVOA_N
ClientSampleId :

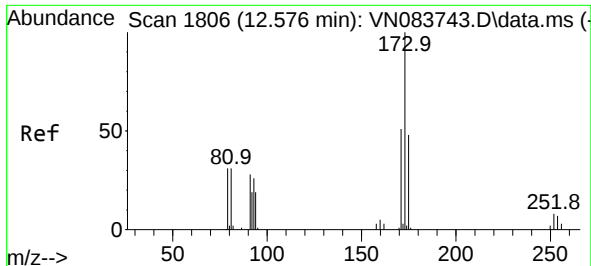
Tgt Ion: 95 Resp: 143048
Ion Ratio Lower Upper
95 100
174 69.7 0.0 139.8
176 66.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

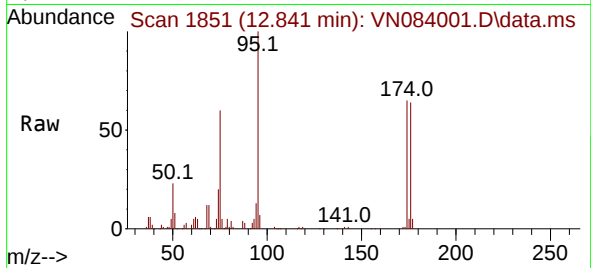
Tgt Ion: 117 Resp: 278221
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.0
119 32.0 26.3 39.5



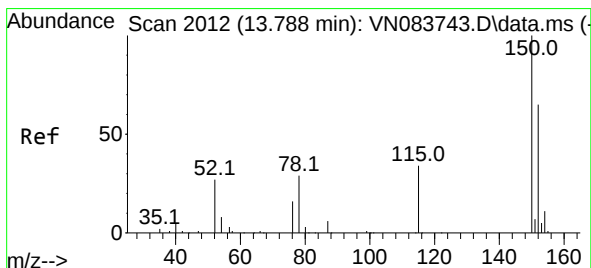
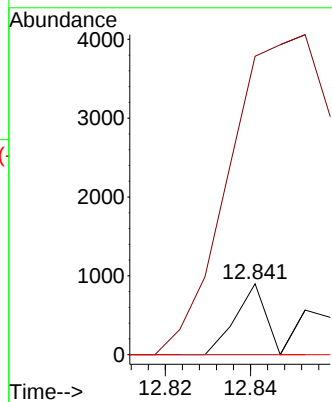
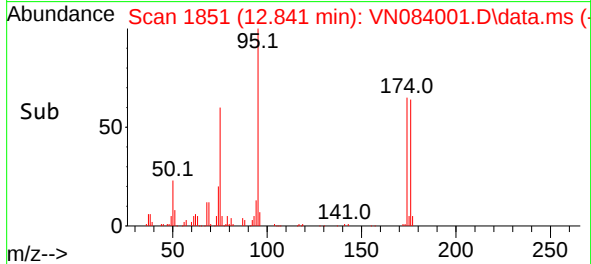


#71
Bromoform
Concen: 0.307 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

Instrument :
MSVOA_N
ClientSampleId :

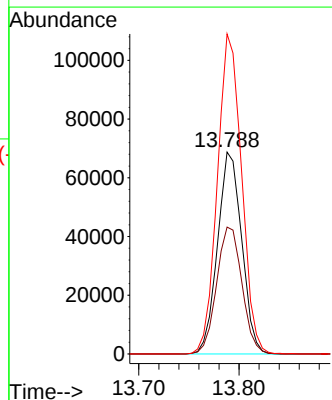
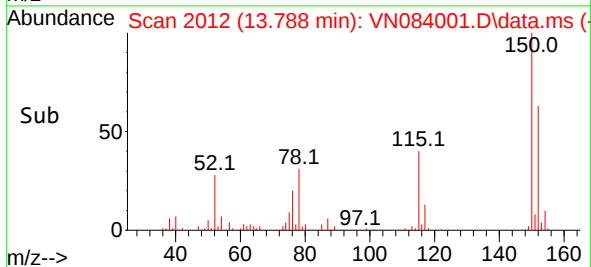
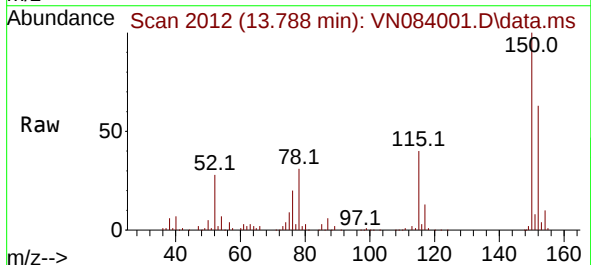


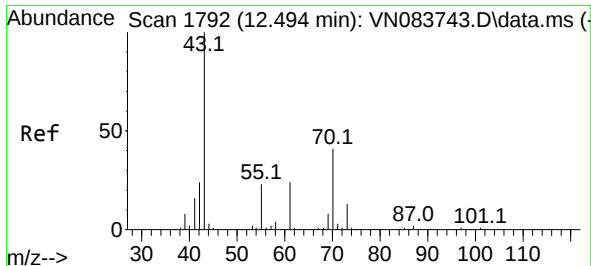
Tgt Ion:173 Resp: 443
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

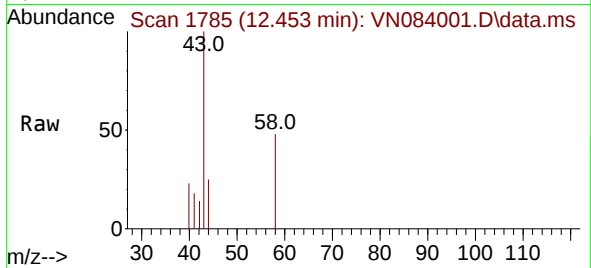
Tgt Ion:152 Resp: 115164
Ion Ratio Lower Upper
152 100
115 65.7 32.2 96.6
150 158.8 0.0 348.6



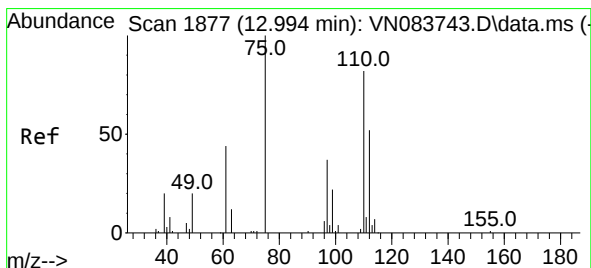
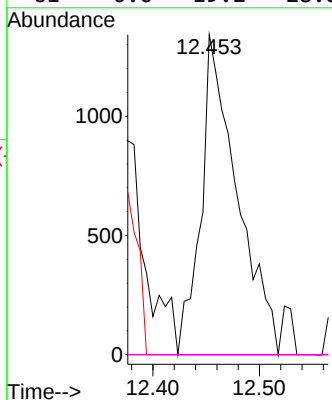
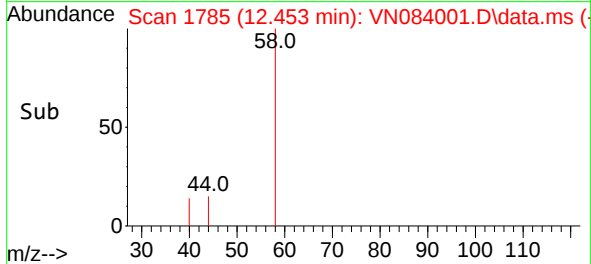


#74
N-amy1 acetate
Concen: 0.833 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

Instrument :
MSVOA_N
ClientSampleId :

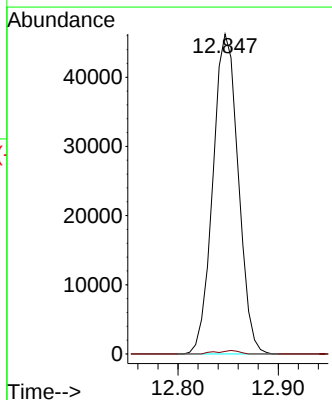
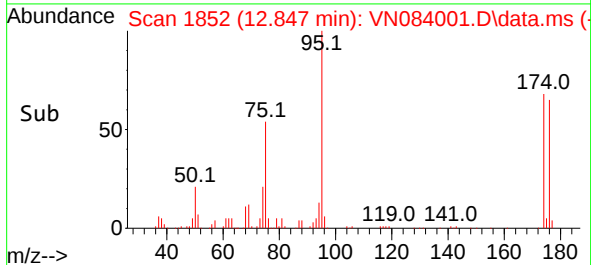
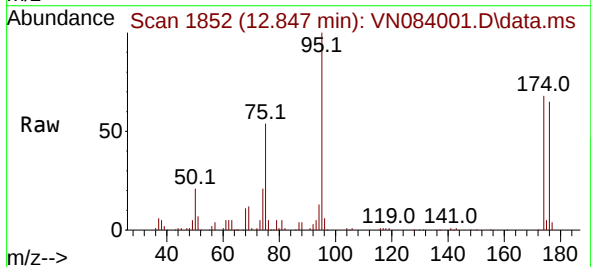


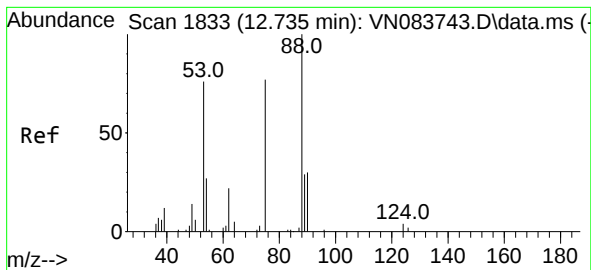
Tgt Ion:	43	Resp:	3165
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.5	51.7#
55	0.0	18.6	28.0#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 34.936 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084001.D
Acq: 18 Sep 2024 22:39

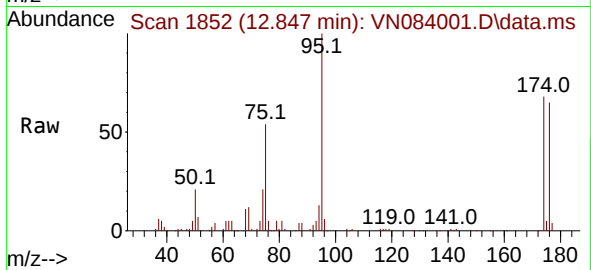
Tgt Ion:	75	Resp:	81184
Ion	Ratio	Lower	Upper
75	100		
77	1.0	95.2	285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.500 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084001.D
 Acq: 18 Sep 2024 22:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 81184
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

