

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084877.D
 Acq On : 15 Nov 2024 18:24
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 15 22:28:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

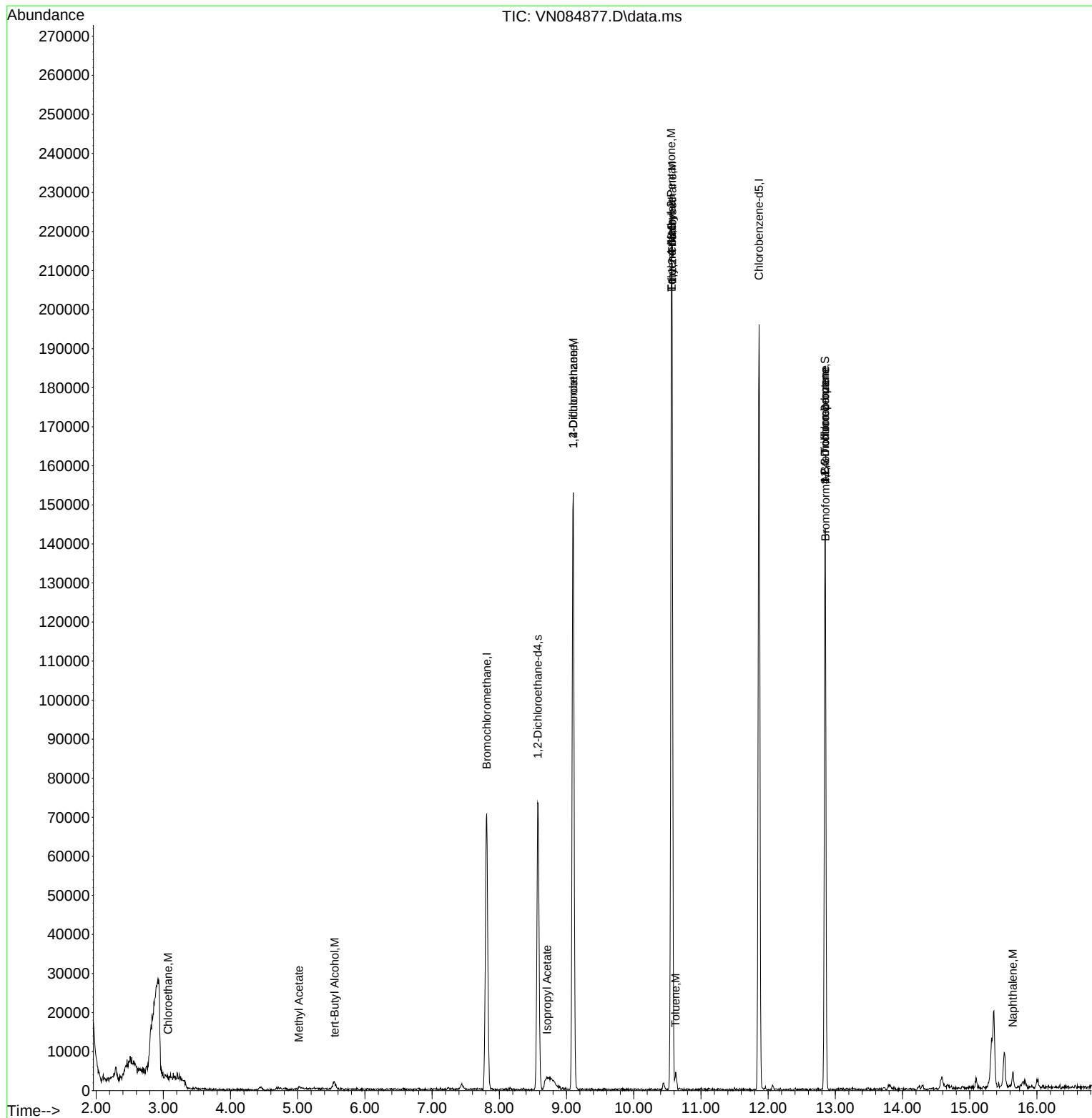
Internal Standards						
1) Bromochloromethane	7.812	128	26293	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	130222	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	115190	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	63290	29.941	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.800%
60) 4-Bromofluorobenzene	12.847	95	50438	25.430	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.767%
63) Toluene-d8	10.565	98	154055	28.251	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.167%
Target Compounds						
					Qvalue	
6) Chloroethane	3.071	64	405	0.361	ug/l #	47
12) Methyl Acetate	5.018	43	821	0.344	ug/l #	52
23) tert-Butyl Alcohol	5.548	59	922	3.380	ug/l #	100
36) 1,2-Dichloroethane	9.100	62	4786	2.220	ug/l #	74
44) Isopropyl Acetate	8.712	43	1699	0.441	ug/l #	50
50) 1,1,2-Trichloroethane	10.571	97	5558	3.795	ug/l #	1
51) Ethyl methacrylate	10.565	69	624	0.276	ug/l #	26
56) Bromoform	12.853	173	320	0.279	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	388	0.214	ug/l #	43
62) Toluene	10.624	91	1730	0.264	ug/l #	46
72) 1,2,3-Trichloropropane	12.847	75	25453	14.539	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	25453	35.448	ug/l #	7
91) Naphthalene	15.641	128	4219	0.913	ug/l #	85

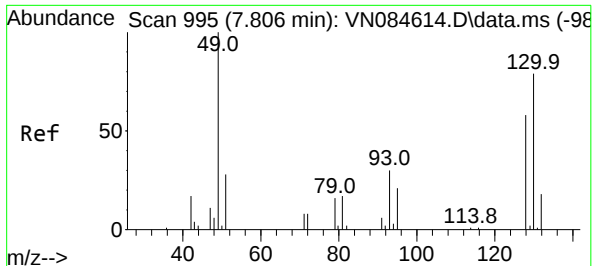
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
Data File : VN084877.D
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Nov 15 22:28:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

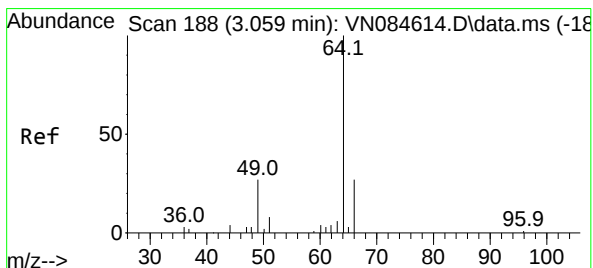
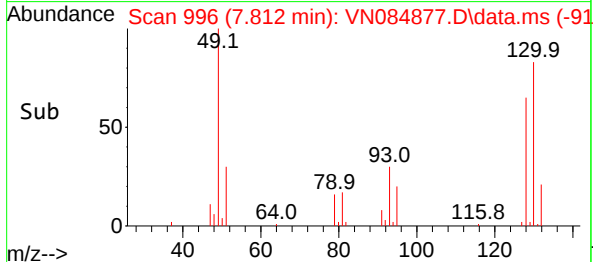
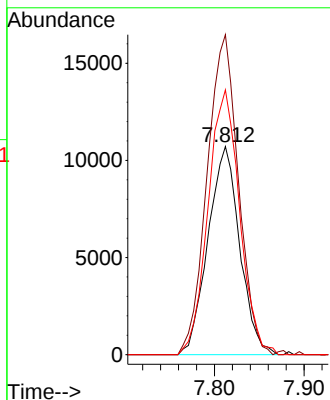
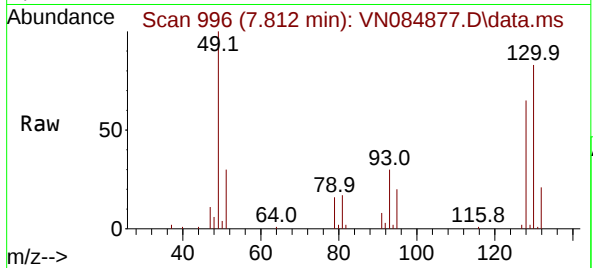




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 995
Delta R.T. 0.006 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

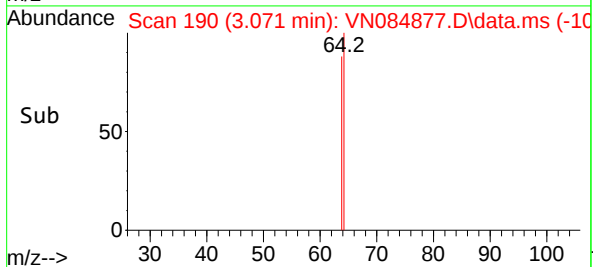
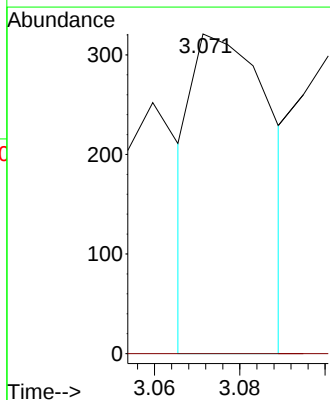
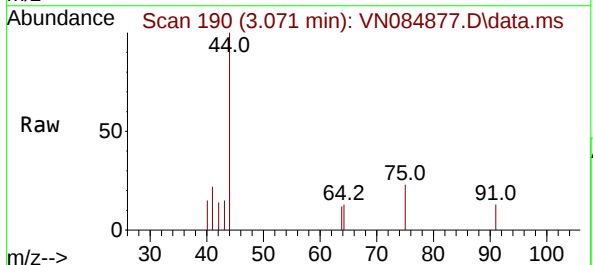
Instrument :
MSVOA_N
ClientSampleId :
IBLK

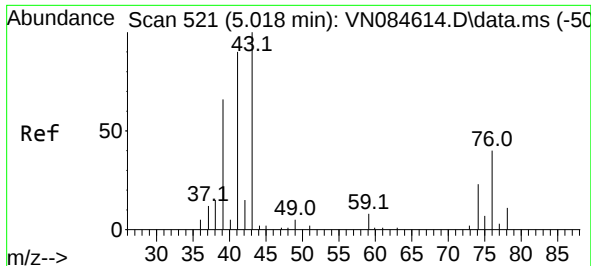
Tgt Ion:128 Resp: 26293
Ion Ratio Lower Upper
128 100
49 151.7 0.0 427.0
130 126.5 0.0 322.2



#6
Chloroethane
Concen: 0.361 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.012 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

Tgt Ion: 64 Resp: 405
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#

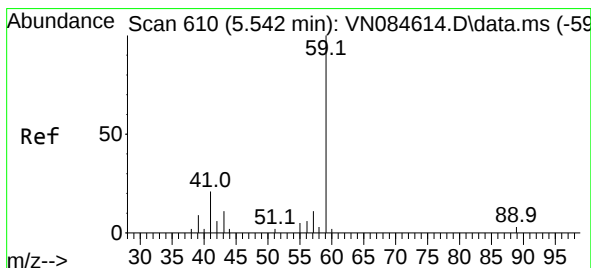
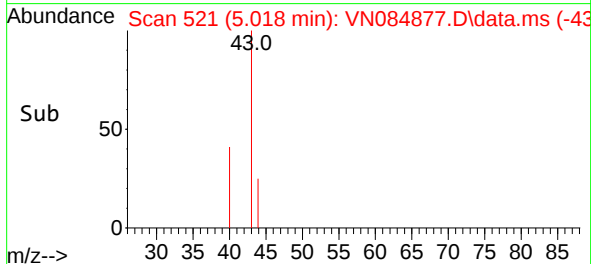
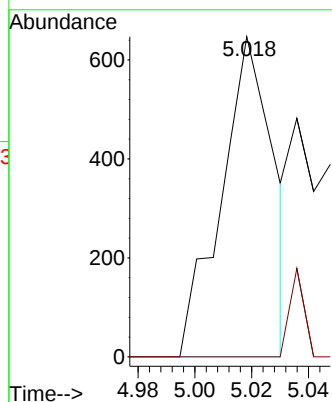
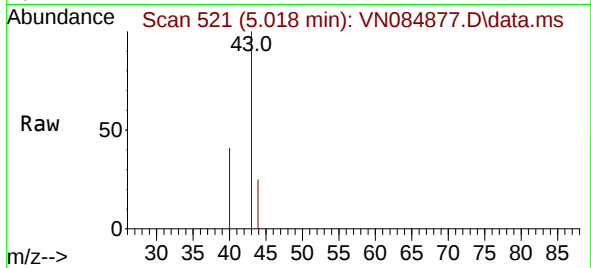




#12
Methyl Acetate
Concen: 0.344 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

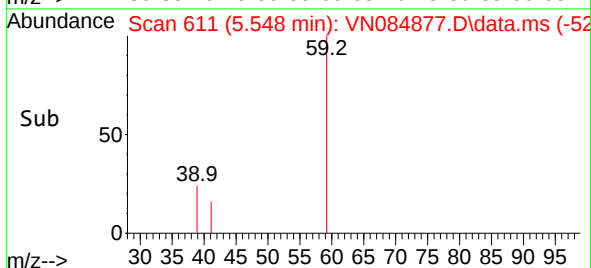
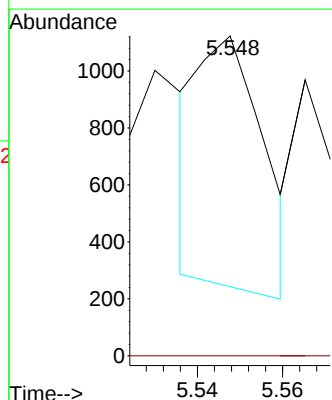
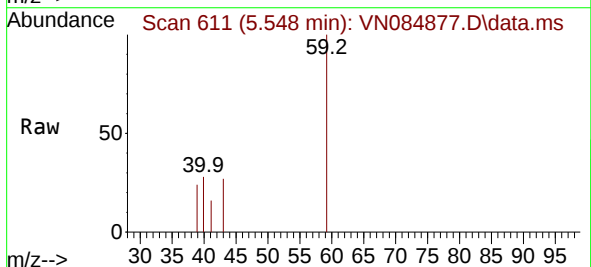
Instrument :
MSVOA_N
ClientSampleId :
IBLK

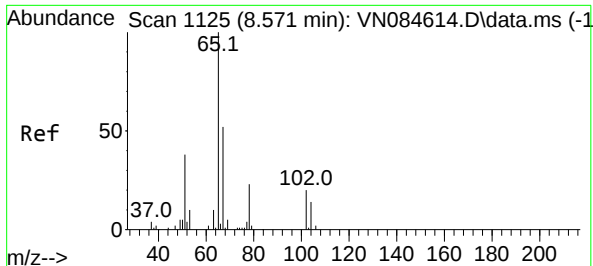
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#23
tert-Butyl Alcohol
Concen: 3.380 ug/l
RT: 5.548 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

Tgt Ion: 59 Resp: 922
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

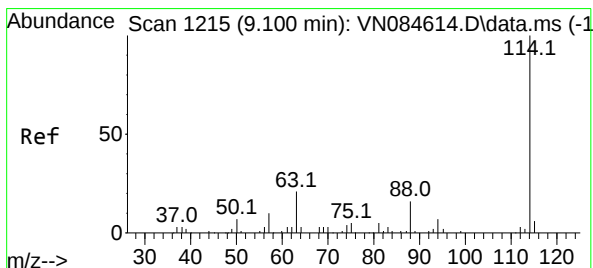
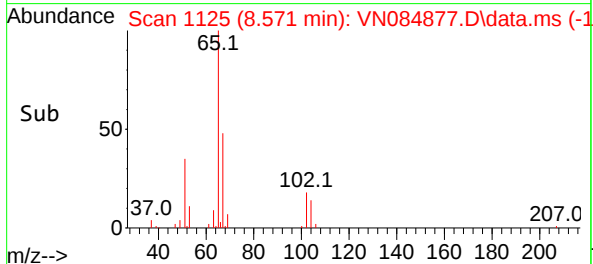
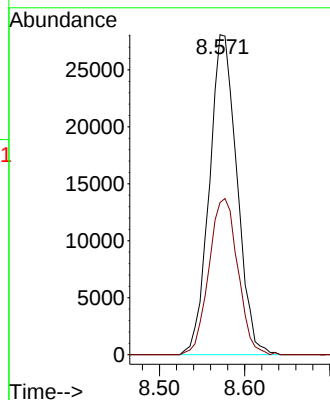
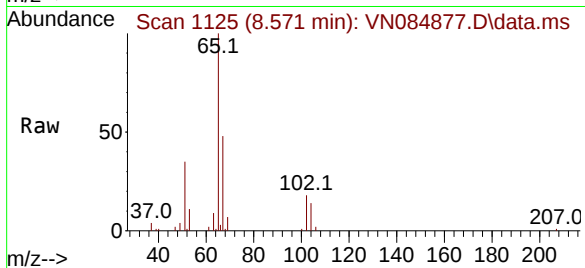




#27
1,2-Dichloroethane-d4
Concen: 29.941 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

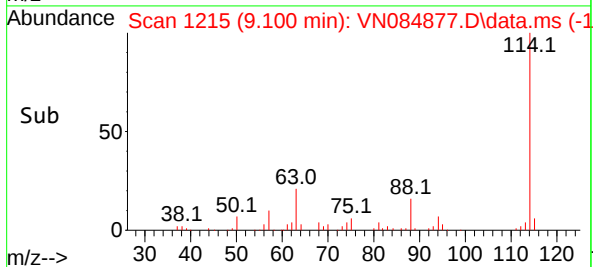
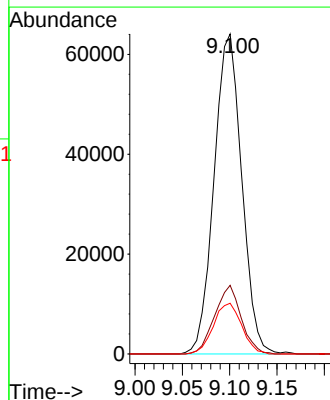
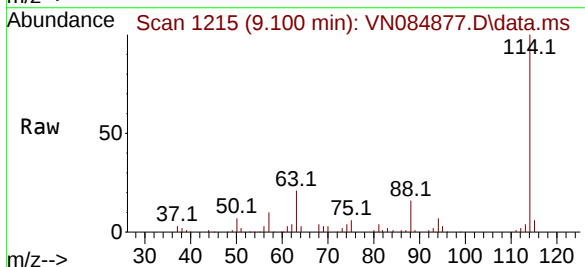
Instrument :
MSVOA_N
ClientSampleId :
IBLK

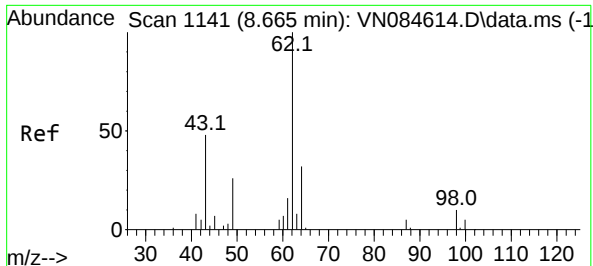
Tgt Ion: 65 Resp: 63290
Ion Ratio Lower Upper
65 100
67 50.8 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

Tgt Ion: 114 Resp: 130222
Ion Ratio Lower Upper
114 100
63 20.5 16.8 25.2
88 16.2 12.9 19.3





#36

1,2-Dichloroethane

Concen: 2.220 ug/l

RT: 9.100 min Scan# 1141

Delta R.T. 0.435 min

Lab File: VN084877.D

Acq: 15 Nov 2024 18:24

Instrument :

MSVOA_N

ClientSampleId :

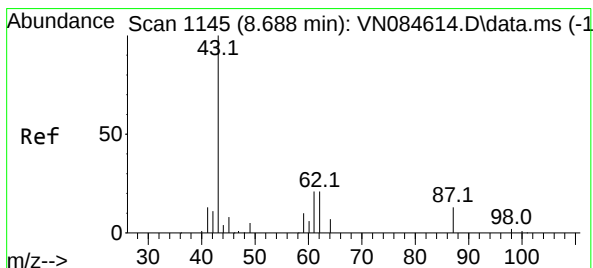
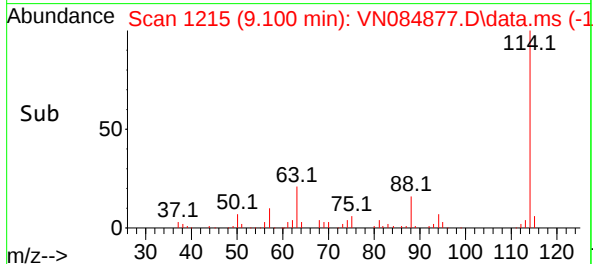
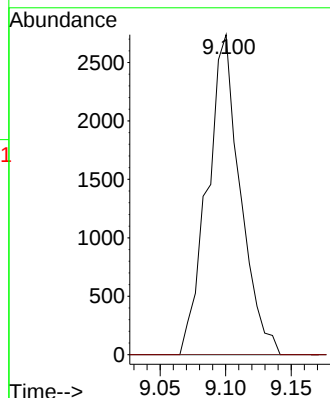
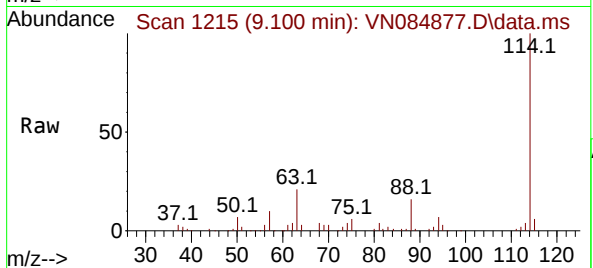
IBLK

Tgt Ion: 62 Resp: 4786

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#



#44

Isopropyl Acetate

Concen: 0.441 ug/l

RT: 8.712 min Scan# 1149

Delta R.T. 0.024 min

Lab File: VN084877.D

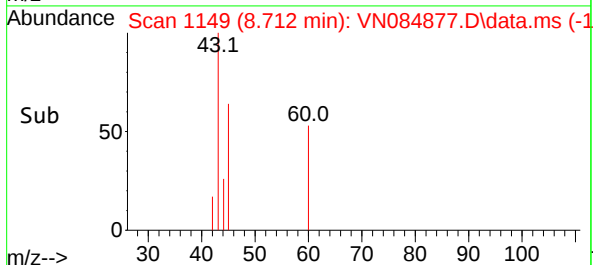
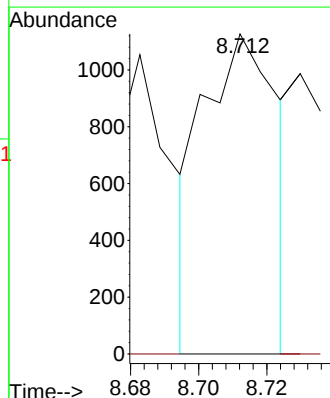
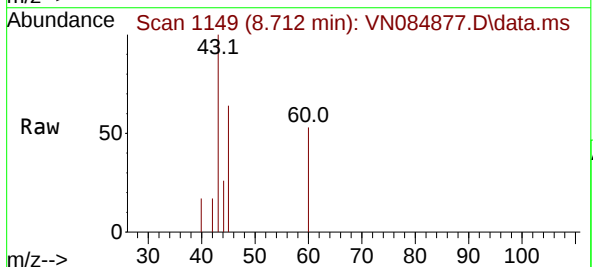
Acq: 15 Nov 2024 18:24

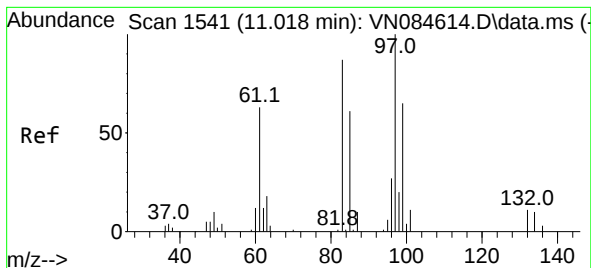
Tgt Ion: 43 Resp: 1699

Ion Ratio Lower Upper

43 100

61 0.0 19.8 29.8#

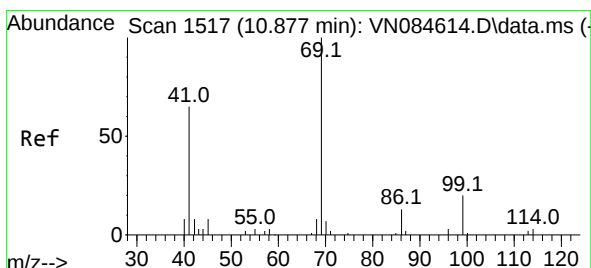
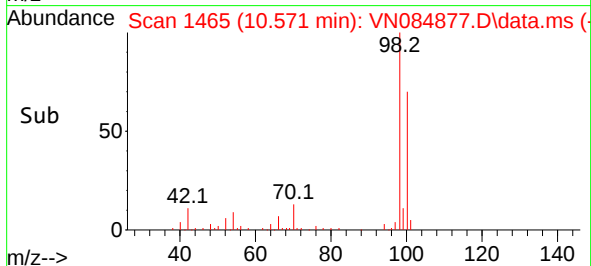
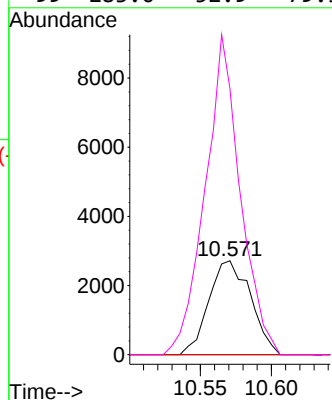
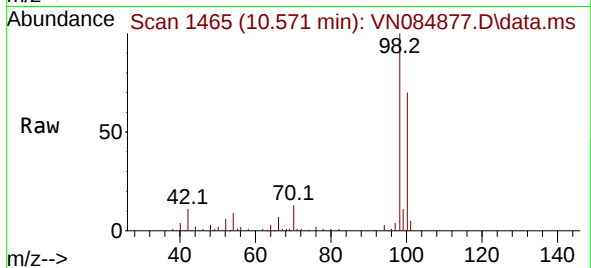




#50
1,1,2-Trichloroethane
Concen: 3.795 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

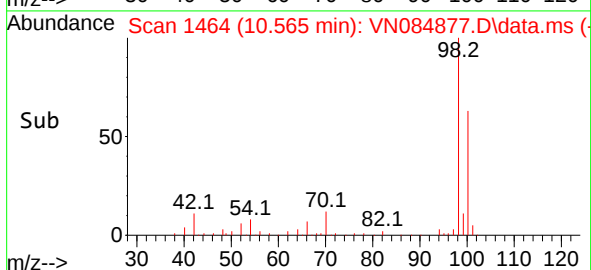
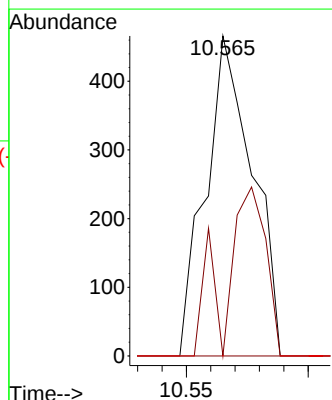
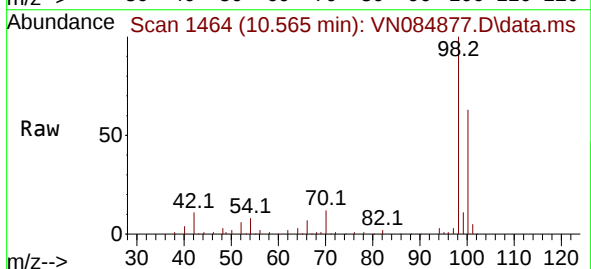
Instrument :
MSVOA_N
ClientSampleId :
IBLK

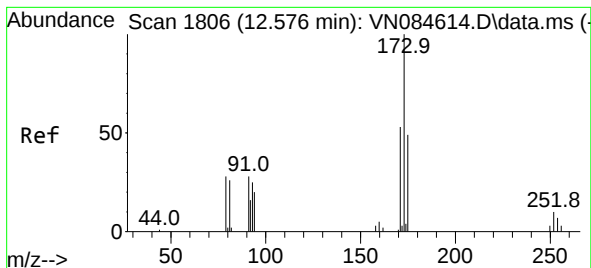
Tgt Ion:	97	Resp:	5558
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.8	104.8#
85	0.0	48.6	73.0#
99	283.0	52.9	79.3#



#51
Ethyl methacrylate
Concen: 0.276 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.312 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

Tgt Ion:	69	Resp:	624
Ion	Ratio	Lower	Upper
69	100		
41	0.0	32.8	98.3#
39	0.0	15.4	46.1#





#56

Bromoform

Concen: 0.279 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.277 min

Lab File: VN084877.D

Acq: 15 Nov 2024 18:24

Instrument :

MSVOA_N

ClientSampleId :

IBLK

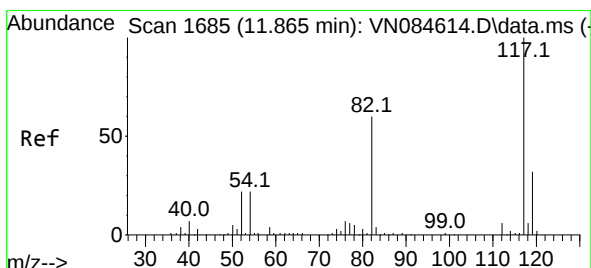
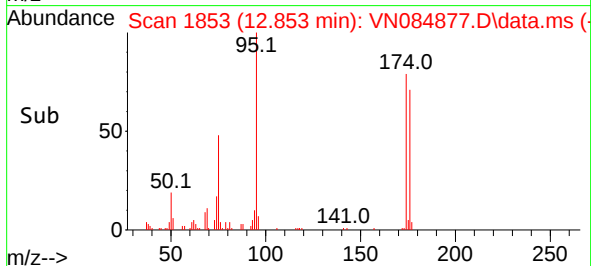
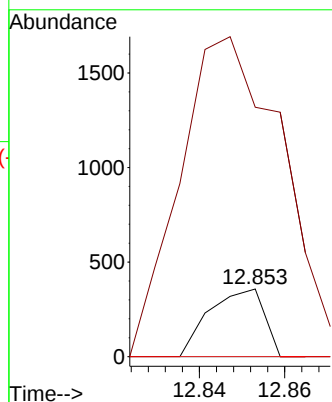
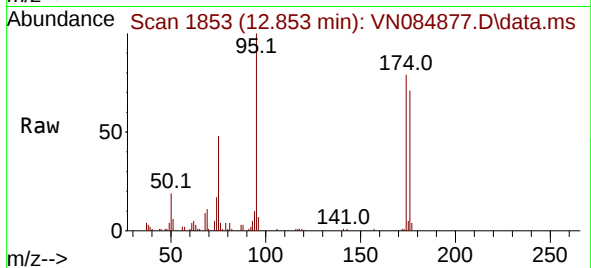
Tgt Ion:173 Resp: 320

Ion Ratio Lower Upper

173 100

175 885.0 39.4 59.2#

254 0.0 6.4 9.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084877.D

Acq: 15 Nov 2024 18:24

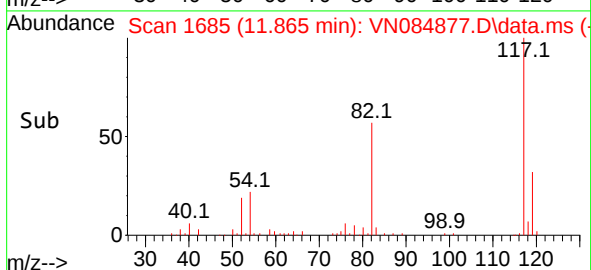
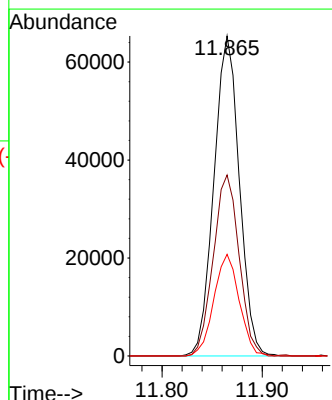
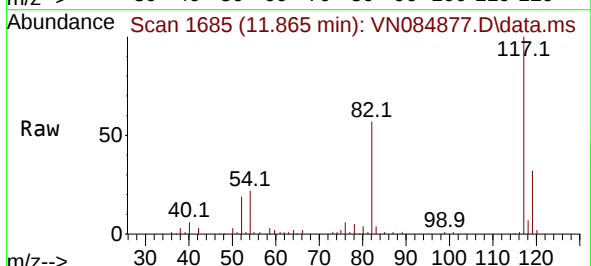
Tgt Ion:117 Resp: 115190

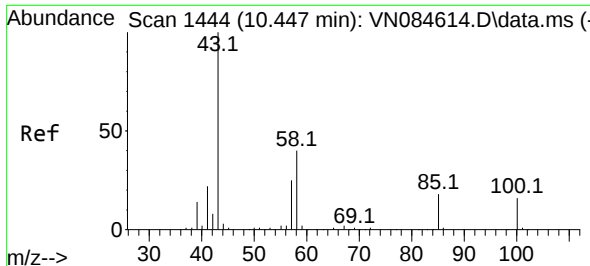
Ion Ratio Lower Upper

117 100

82 57.4 45.5 68.3

119 31.7 25.3 37.9

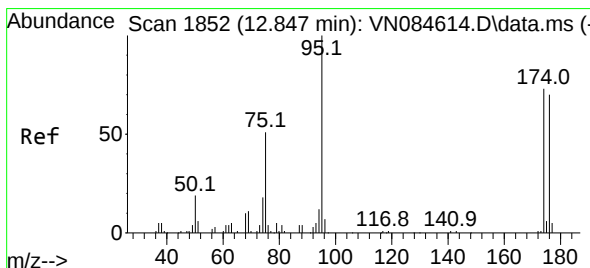
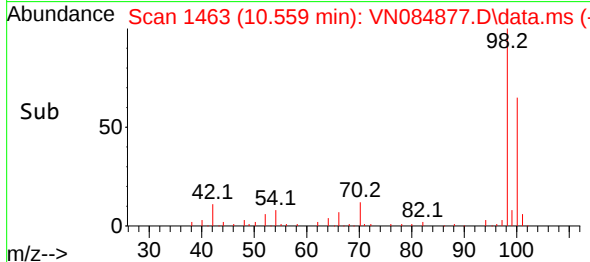
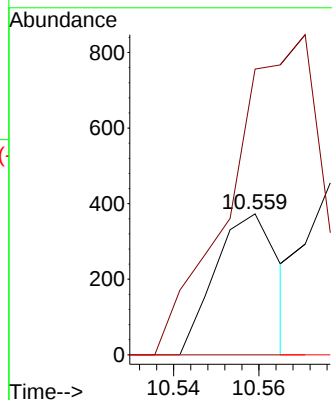
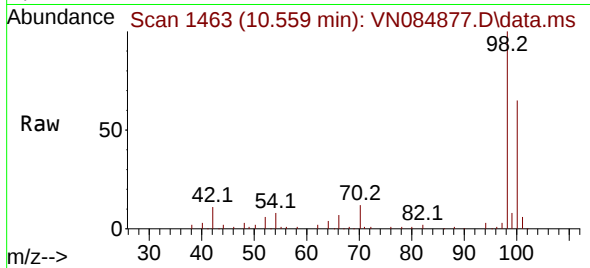




#58
4-Methyl-2-Pentanone
Concen: 0.214 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

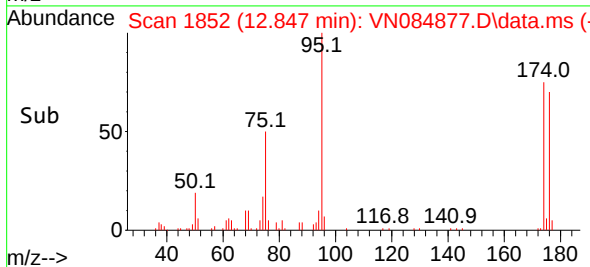
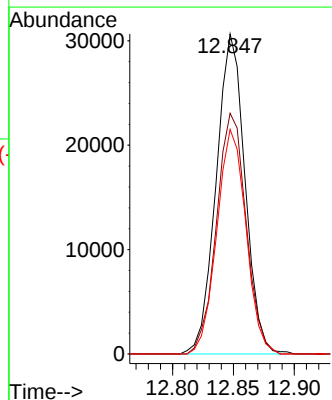
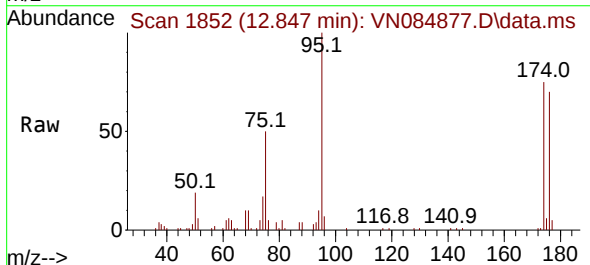
Instrument :
MSVOA_N
ClientSampleId :
IBLK

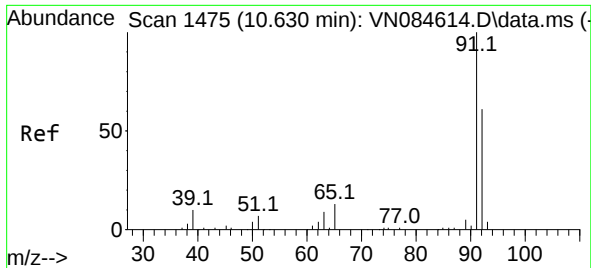
Tgt Ion: 43 Resp: 388
Ion Ratio Lower Upper
43 100
58 0.0 31.2 46.8#
85 0.0 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 25.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

Tgt Ion: 95 Resp: 50438
Ion Ratio Lower Upper
95 100
174 77.3 59.6 89.4
176 70.9 58.6 88.0

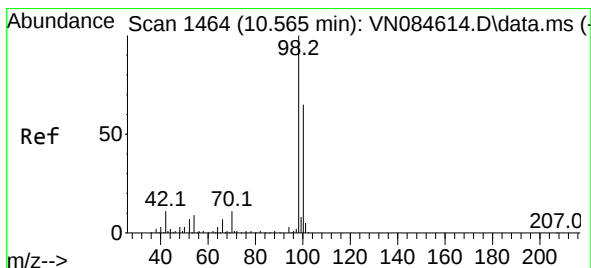
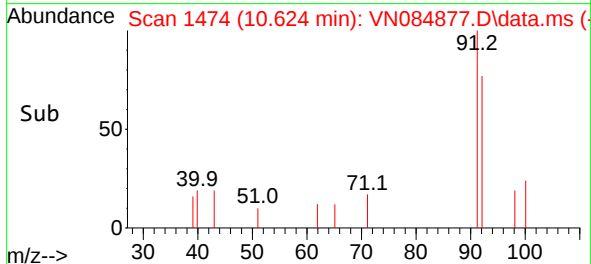
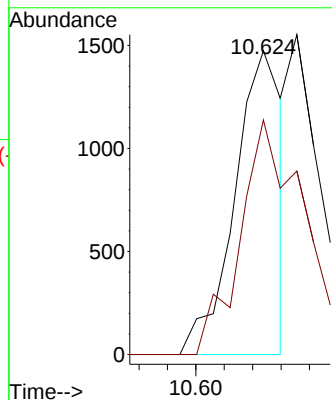
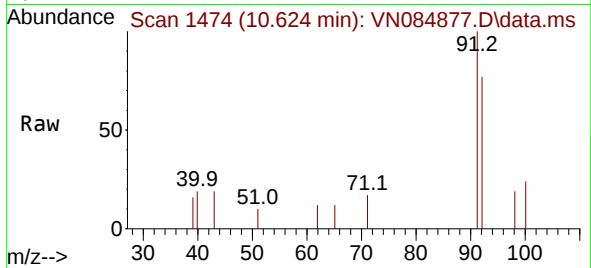




#62
Toluene
Concen: 0.264 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

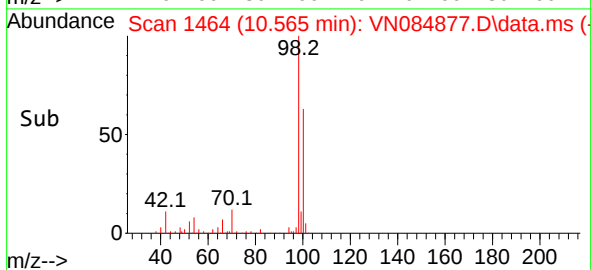
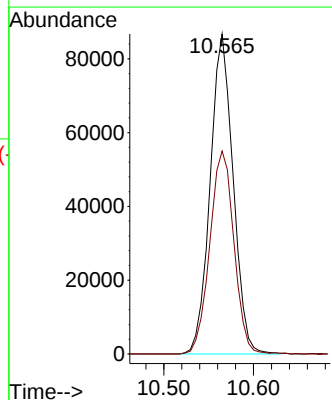
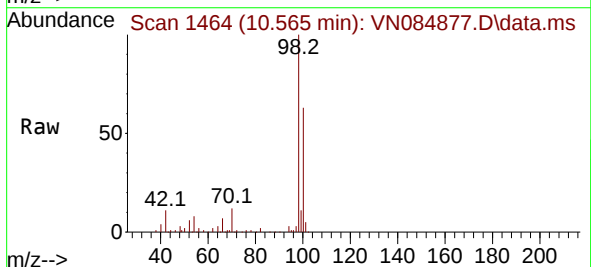
Instrument :
MSVOA_N
ClientSampleId :
IBLK

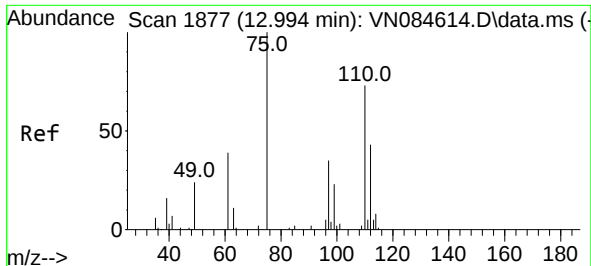
Tgt Ion: 91 Resp: 1730
Ion Ratio Lower Upper
91 100
92 100.2 47.5 71.3#



#63
Toluene-d8
Concen: 28.251 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

Tgt Ion: 98 Resp: 154055
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.2

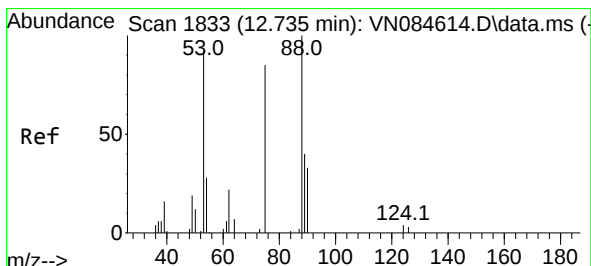
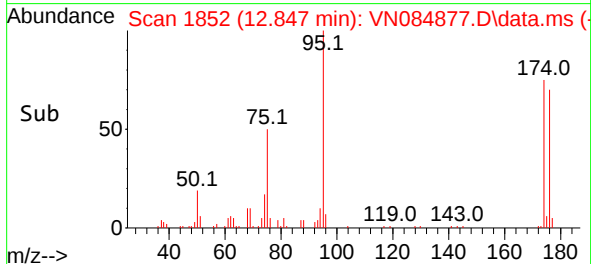
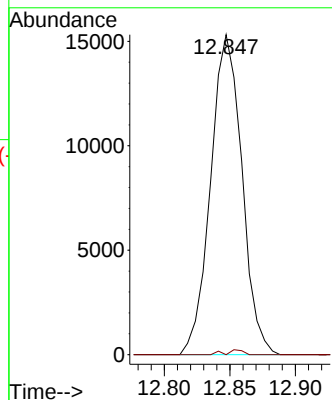
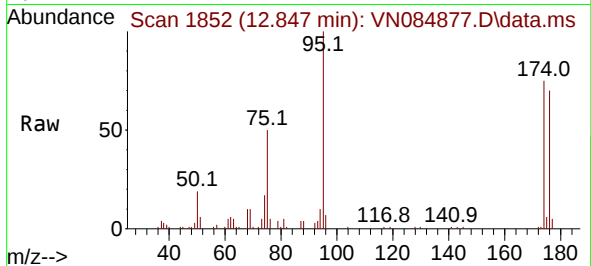




#72
1,2,3-Trichloropropane
Concen: 14.539 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

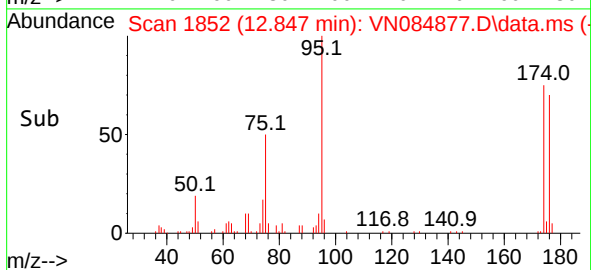
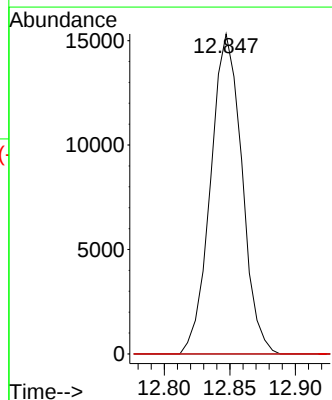
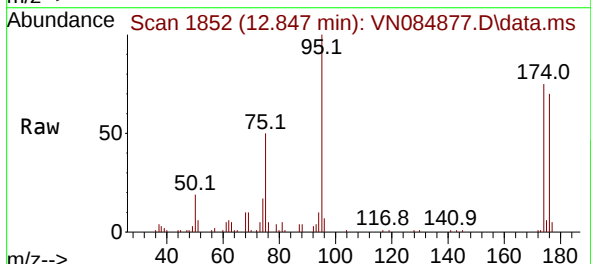
Instrument :
MSVOA_N
ClientSampleId :
IBLK

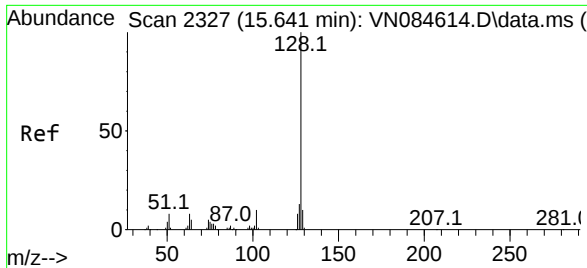
Tgt Ion: 75 Resp: 25453
Ion Ratio Lower Upper
75 100
77 0.6 0.0 358.4



#77
t-1,4-Dichloro-2-butene
Concen: 35.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

Tgt Ion: 75 Resp: 25453
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#





#91
Naphthalene
Concen: 0.913 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN084877.D
Acq: 15 Nov 2024 18:24

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	4219
Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.3	15.5#
129	2.2	8.6	12.8#

