

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
 Data File : VN085032.D
 Acq On : 25 Nov 2024 16:54
 Operator : JC\MD
 Sample : P4997-04 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 26 05:54:46 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)

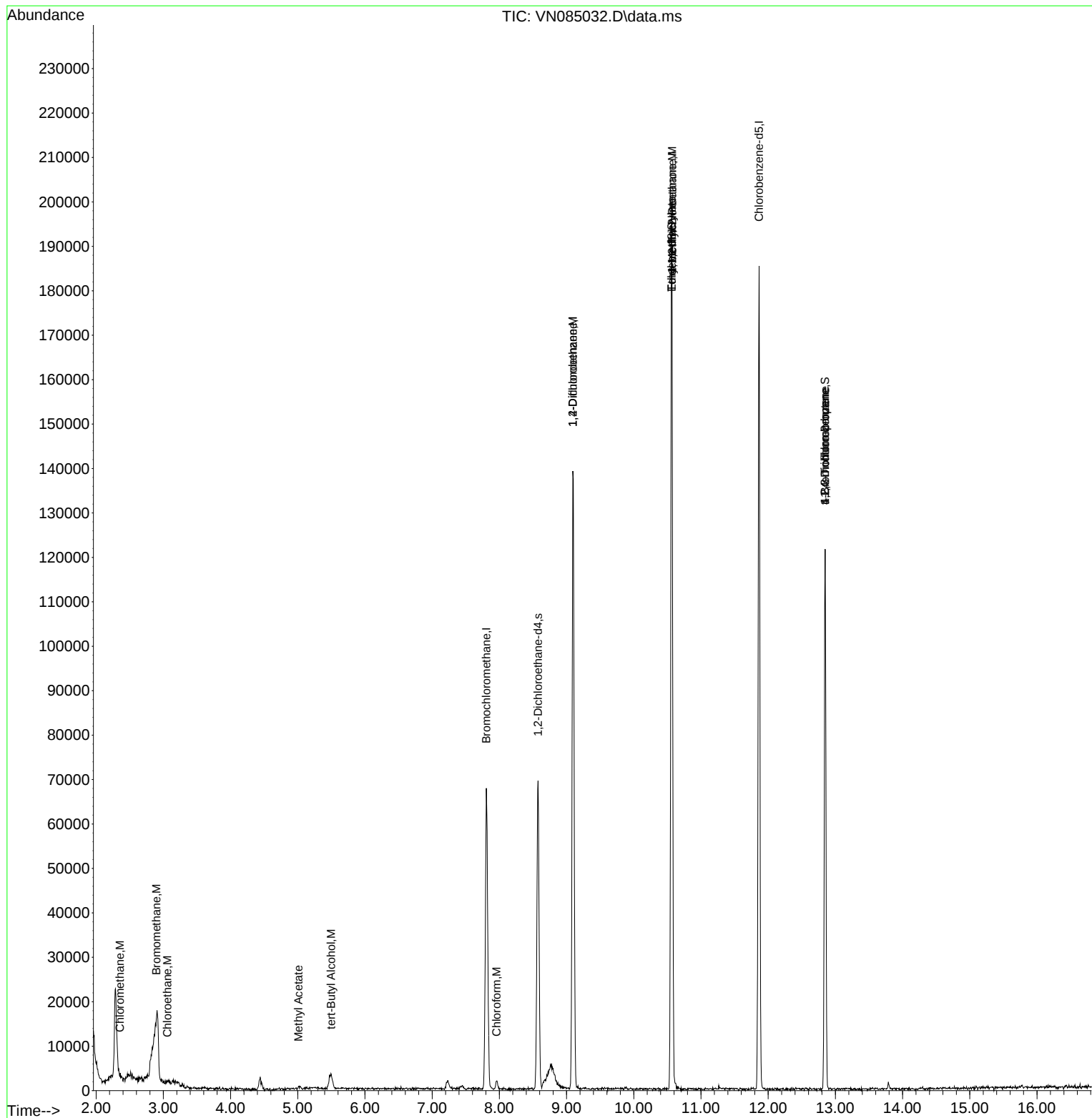
Internal Standards						
1) Bromochloromethane	7.806	128	23776	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	118523	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	105687	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	57837	30.258	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.867%
60) 4-Bromofluorobenzene	12.847	95	43529	23.920	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.733%
63) Toluene-d8	10.565	98	140821	28.146	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.833%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	511	0.307	ug/l #	43
5) Bromomethane	2.895	94	220	0.280	ug/l #	4
6) Chloroethane	3.059	64	244	0.240	ug/l #	47
12) Methyl Acetate	5.012	43	454	0.210	ug/l #	52
23) tert-Butyl Alcohol	5.494	59	3608	14.627	ug/l #	100
25) Chloroform	7.959	83	1936	0.665	ug/l	84
36) 1,2-Dichloroethane	9.094	62	4265	2.173	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	4882	3.663	ug/l #	1
51) Ethyl methacrylate	10.565	69	476	0.232	ug/l #	72
58) 4-Methyl-2-Pentanone	10.571	43	634	0.380	ug/l #	34
72) 1,2,3-Trichloropropane	12.847	75	21904	13.636	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	21904	33.249	ug/l #	7

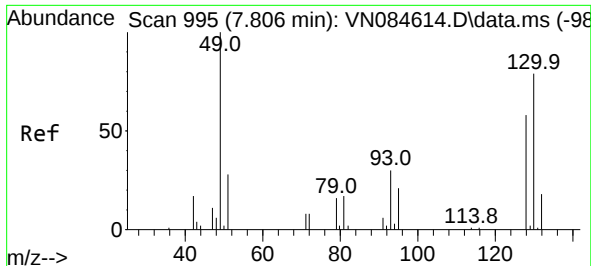
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
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MSVOA_N
ClientSampleId :

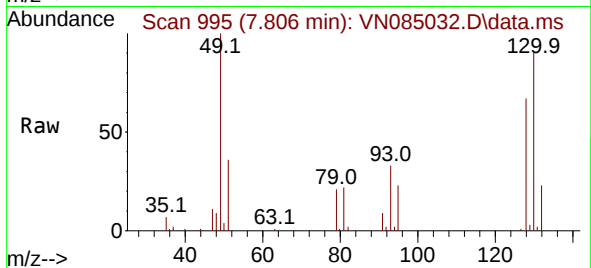
Quant Time: Nov 26 05:54:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration



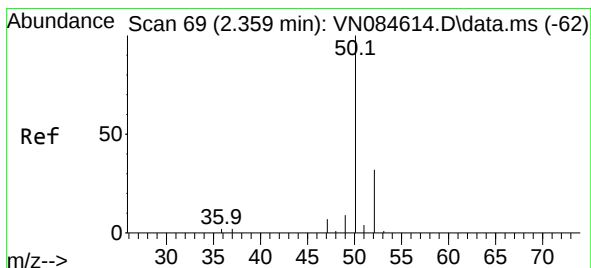
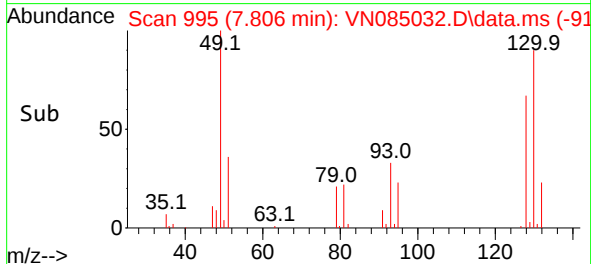
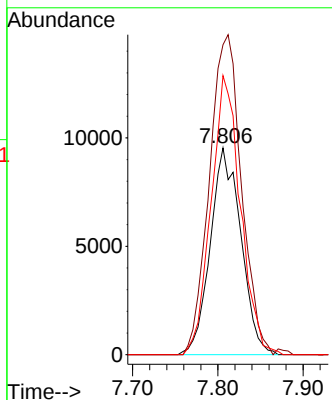


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

Instrument :
MSVOA_N
ClientSampleId :

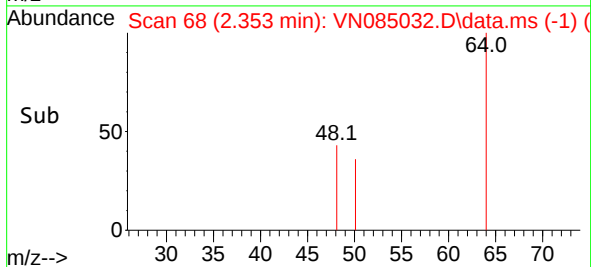
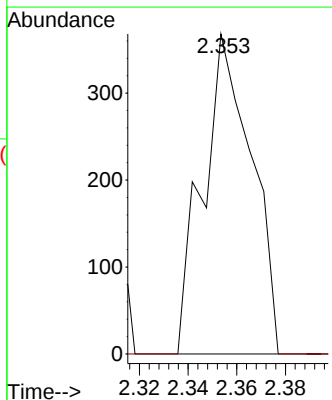
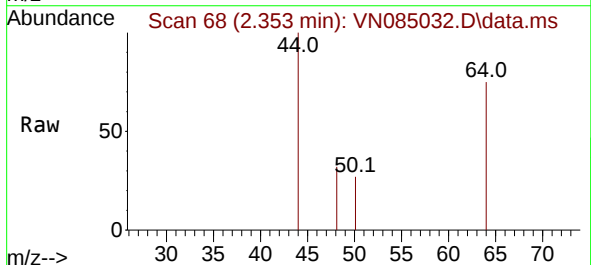


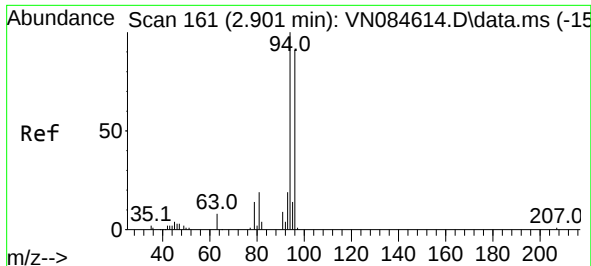
Tgt Ion:128 Resp: 23776
Ion Ratio Lower Upper
128 100
49 162.3 0.0 427.0
130 129.8 0.0 322.2



#3
Chloromethane
Concen: 0.307 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

Tgt Ion: 50 Resp: 511
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

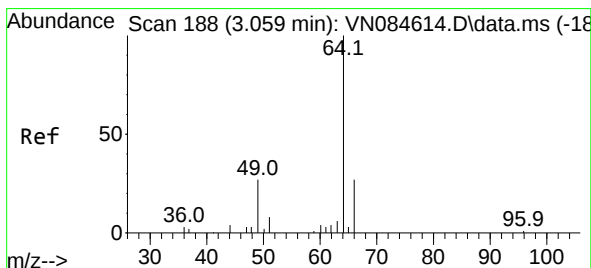
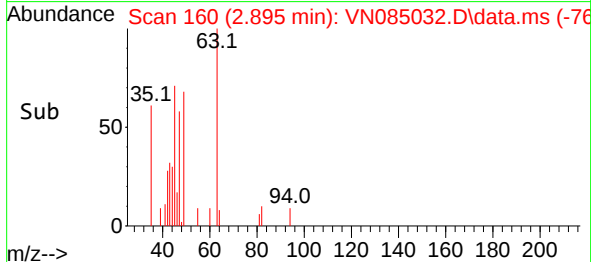
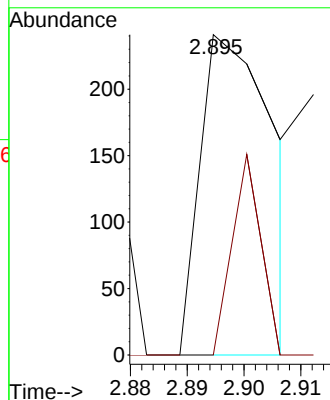
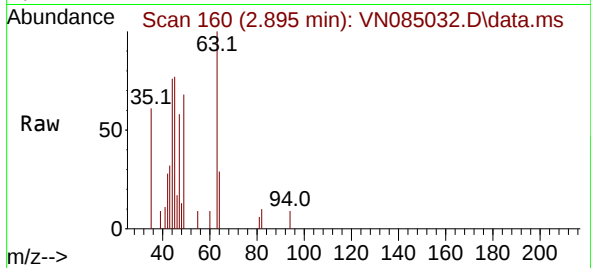




#5
Bromomethane
Concen: 0.280 ug/l
RT: 2.895 min Scan# 161
Delta R.T. -0.006 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

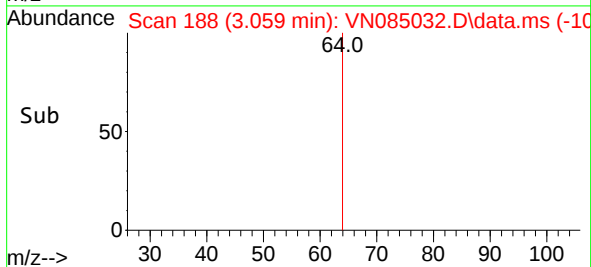
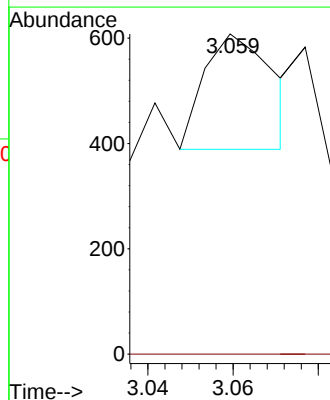
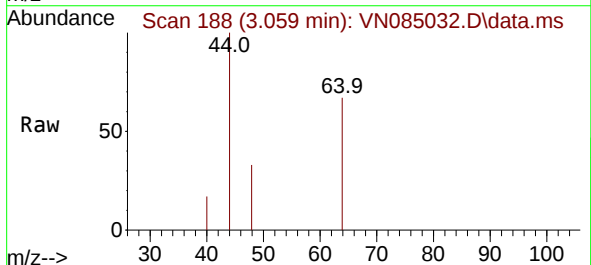
Instrument :
MSVOA_N
ClientSampleId :

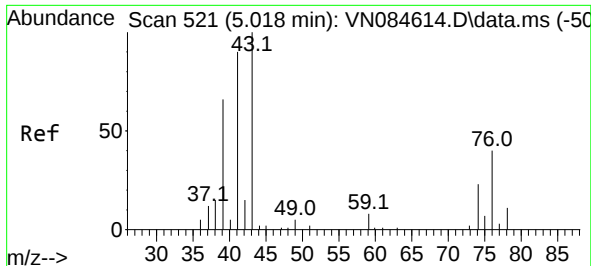
Tgt Ion: 94 Resp: 220
Ion Ratio Lower Upper
94 100
96 0.0 72.7 109.1#



#6
Chloroethane
Concen: 0.240 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.000 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

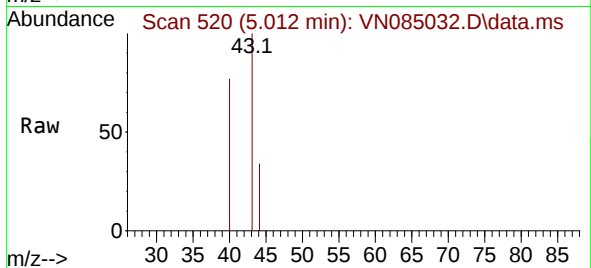
Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#



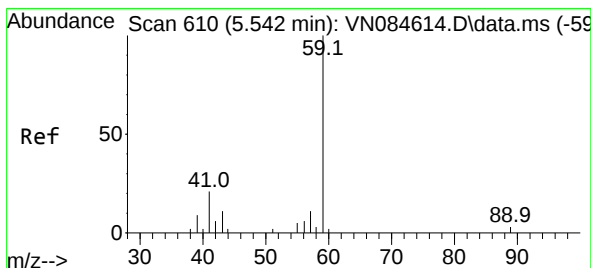
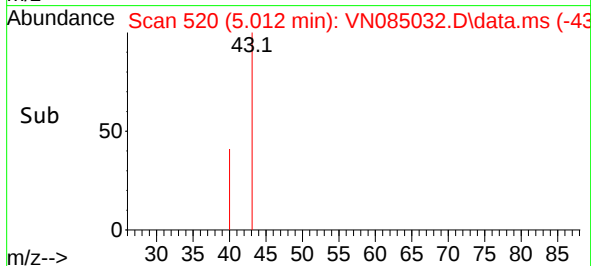
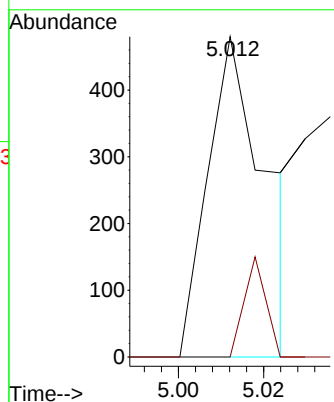


#12
Methyl Acetate
Concen: 0.210 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

Instrument :
MSVOA_N
ClientSampleId :

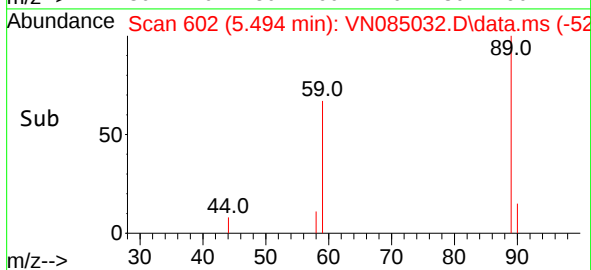
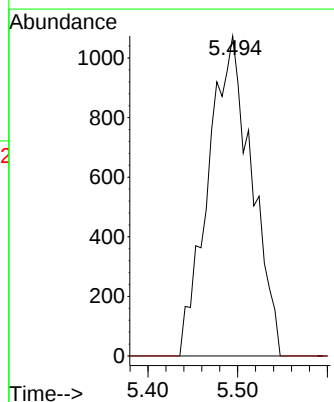
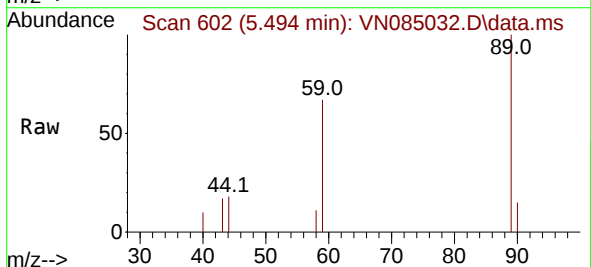


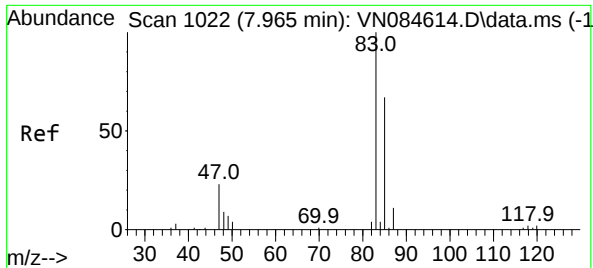
Tgt Ion: 43 Resp: 454
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#23
tert-Butyl Alcohol
Concen: 14.627 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.047 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

Tgt Ion: 59 Resp: 3608
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

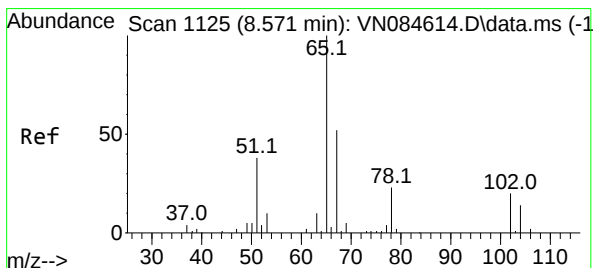
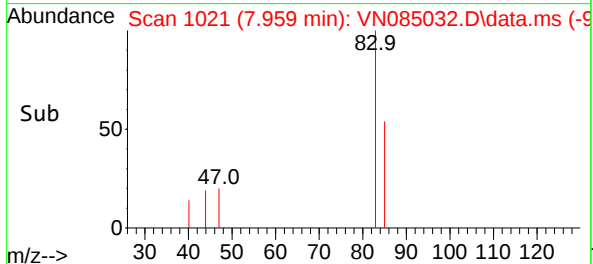
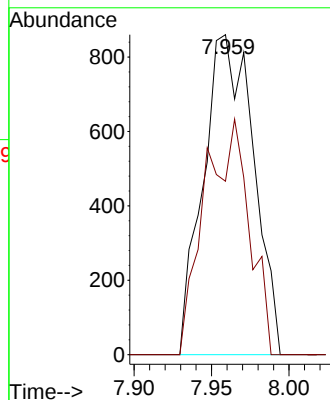
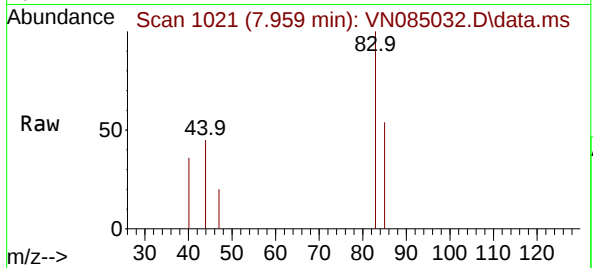




#25
Chloroform
Concen: 0.665 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

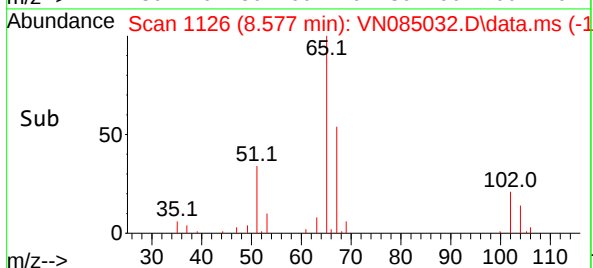
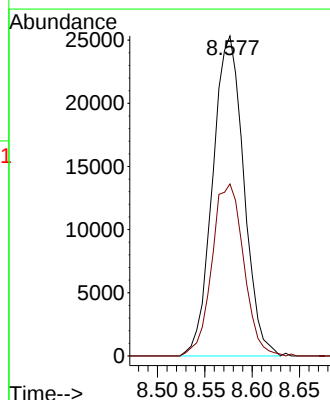
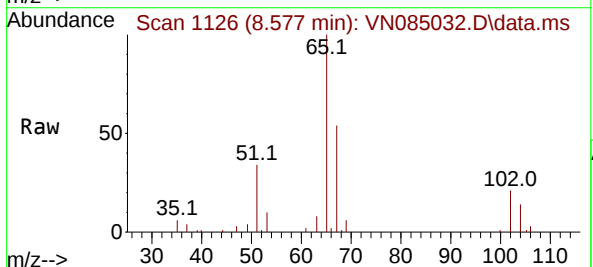
Instrument :
MSVOA_N
ClientSampleId :

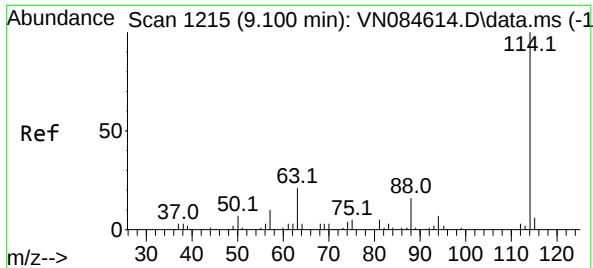
Tgt Ion: 83 Resp: 1936
Ion Ratio Lower Upper
83 100
85 54.2 53.4 80.2



#27
1,2-Dichloroethane-d4
Concen: 30.258 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

Tgt Ion: 65 Resp: 57837
Ion Ratio Lower Upper
65 100
67 54.8 40.7 61.1

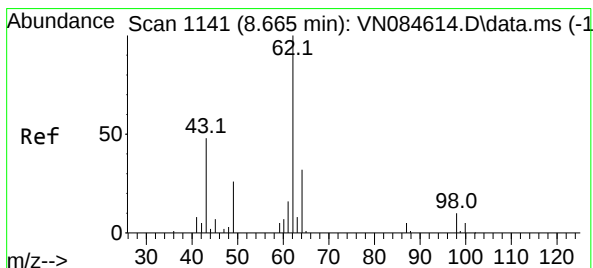
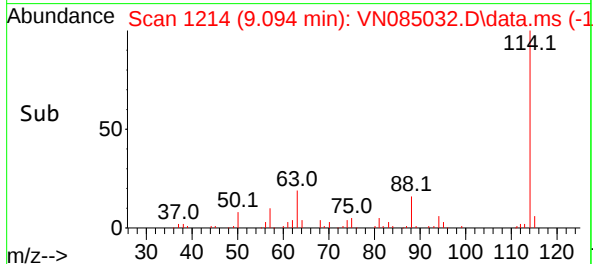
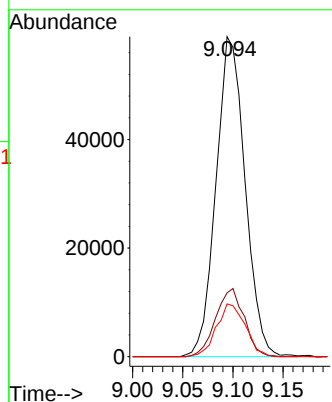
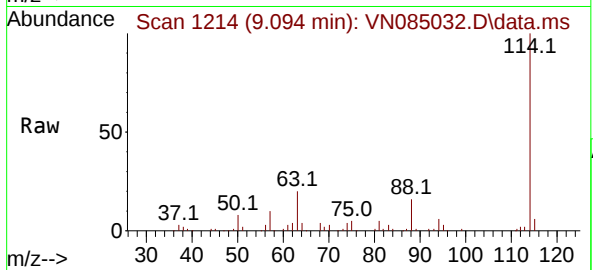




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

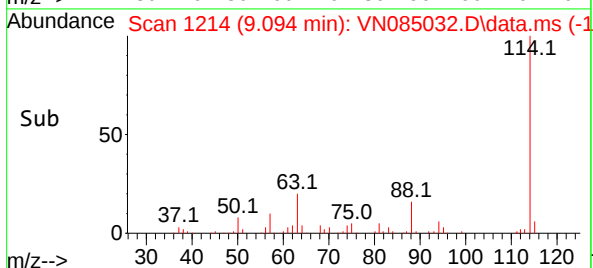
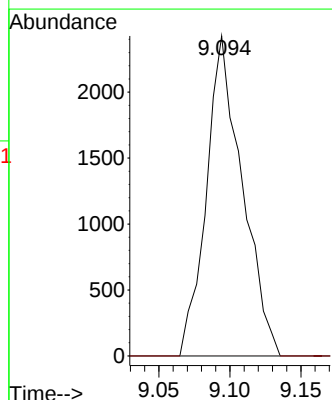
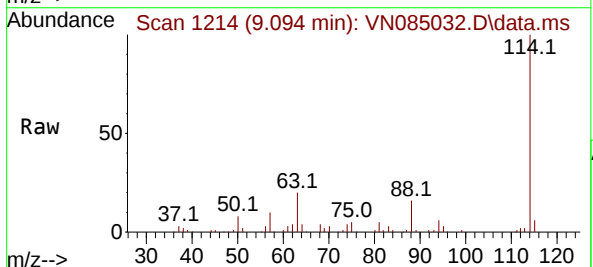
Instrument :
MSVOA_N
ClientSampleId :

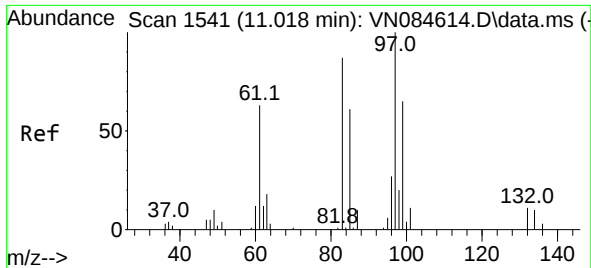
Tgt Ion:114 Resp: 118523
Ion Ratio Lower Upper
114 100
63 20.9 16.8 25.2
88 16.4 12.9 19.3



#36
1,2-Dichloroethane
Concen: 2.173 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.429 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

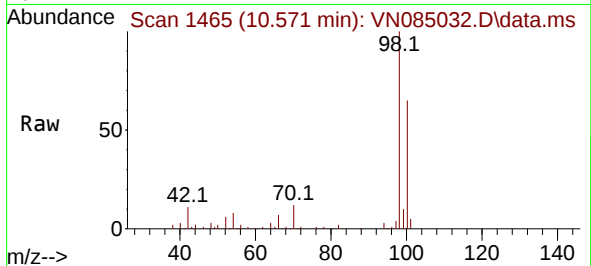
Tgt Ion: 62 Resp: 4265
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#



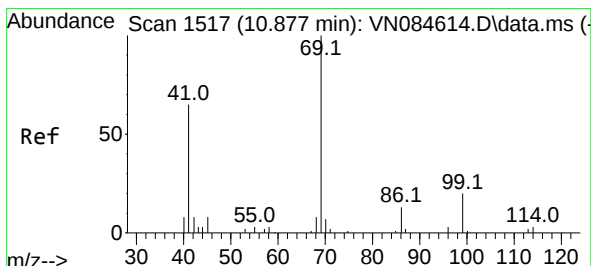
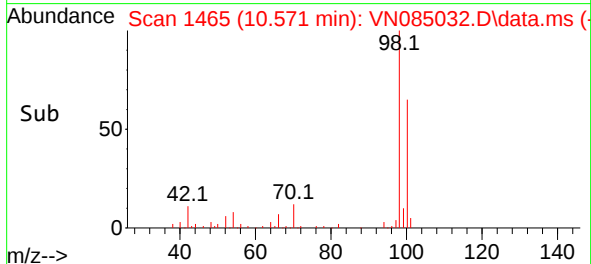
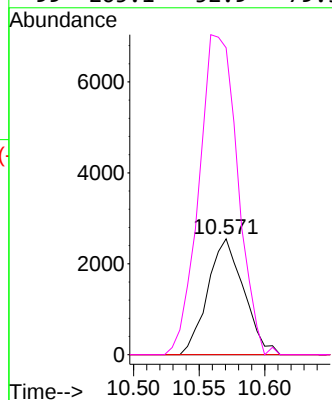


#50
 1,1,2-Trichloroethane
 Concen: 3.663 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. -0.447 min
 Lab File: VN085032.D
 Acq: 25 Nov 2024 16:54

Instrument :
 MSVOA_N
 ClientSampleId :

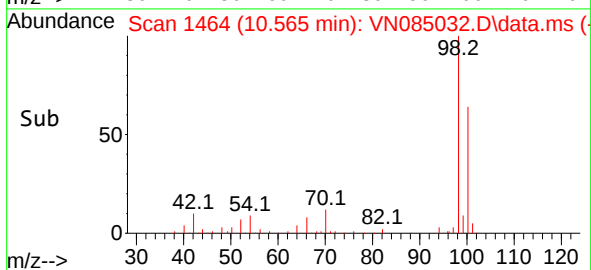
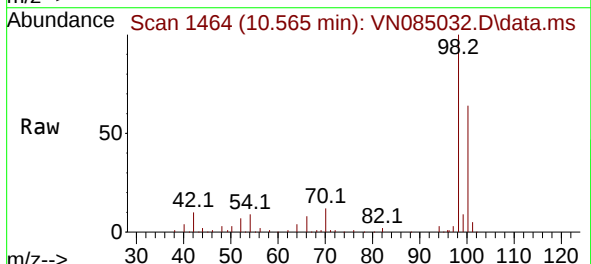
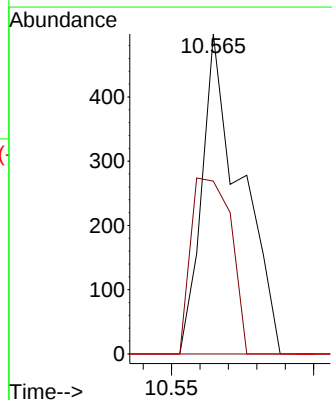


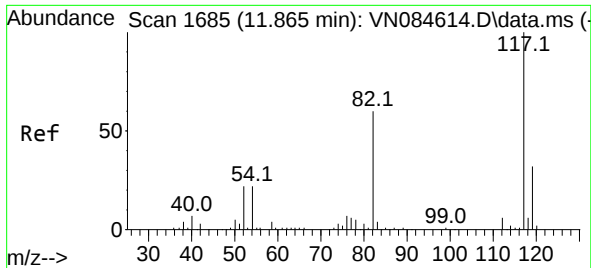
Tgt Ion:	97	Resp:	4882
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.8	104.8#
85	0.0	48.6	73.0#
99	265.1	52.9	79.3#



#51
 Ethyl methacrylate
 Concen: 0.232 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. -0.312 min
 Lab File: VN085032.D
 Acq: 25 Nov 2024 16:54

Tgt Ion:	69	Resp:	476
Ion	Ratio	Lower	Upper
69	100		
41	54.0	32.8	98.3
39	0.0	15.4	46.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085032.D

Acq: 25 Nov 2024 16:54

Instrument :

MSVOA_N

ClientSampleId :

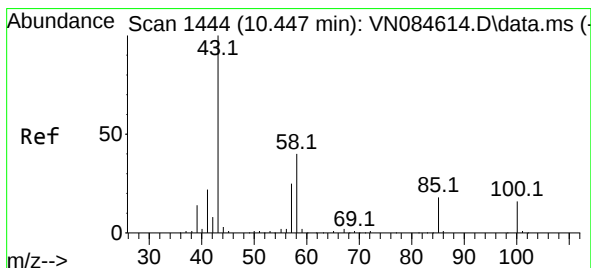
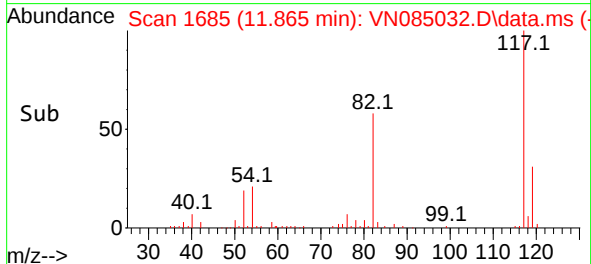
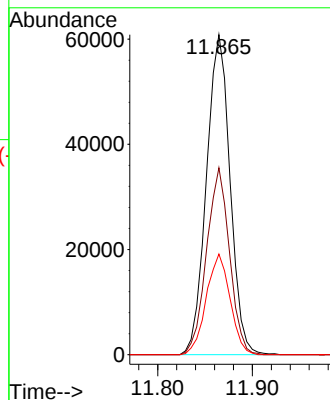
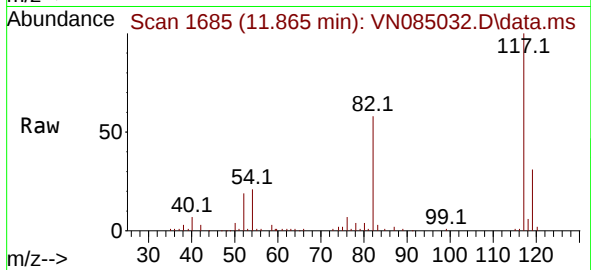
Tgt Ion:117 Resp: 105687

Ion Ratio Lower Upper

117 100

82 56.6 45.5 68.3

119 31.7 25.3 37.9



#58

4-Methyl-2-Pentanone

Concen: 0.380 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.123 min

Lab File: VN085032.D

Acq: 25 Nov 2024 16:54

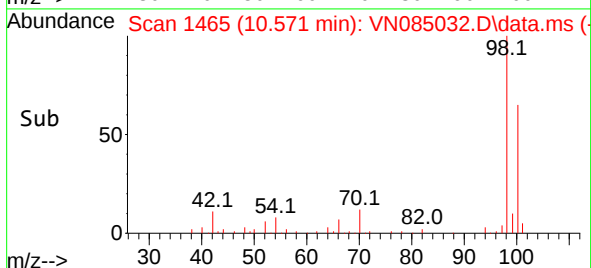
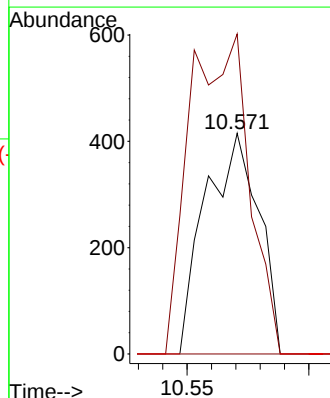
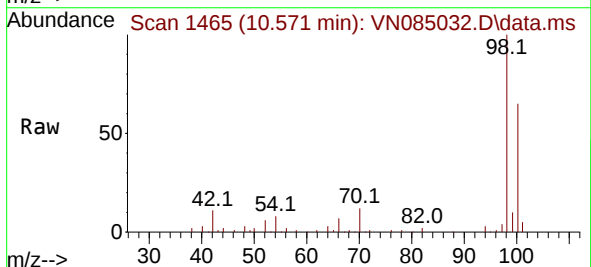
Tgt Ion: 43 Resp: 634

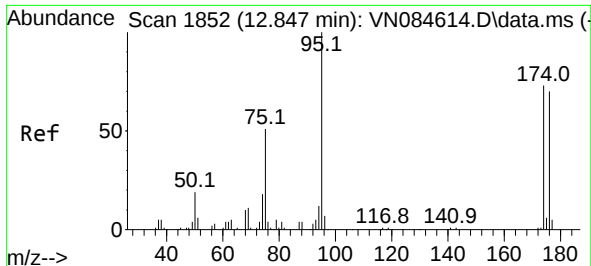
Ion Ratio Lower Upper

43 100

58 86.6 31.2 46.8#

85 0.0 14.9 22.3#

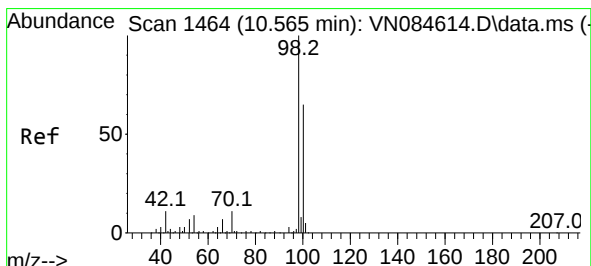
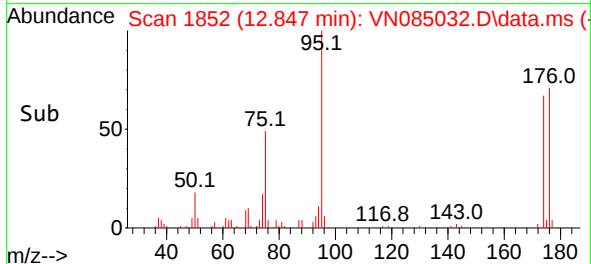
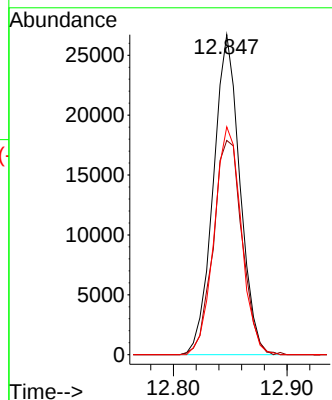
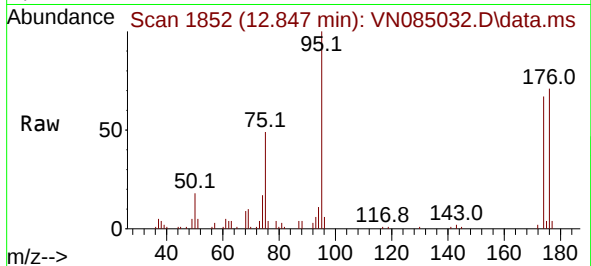




#60
4-Bromofluorobenzene
Concen: 23.920 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

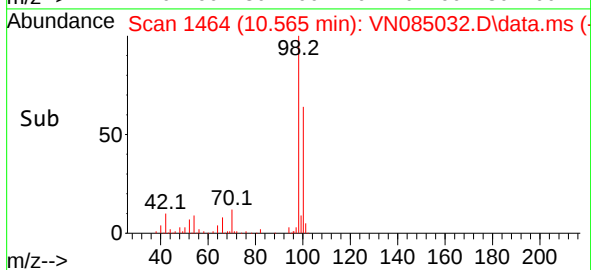
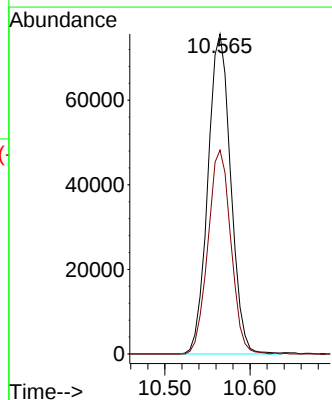
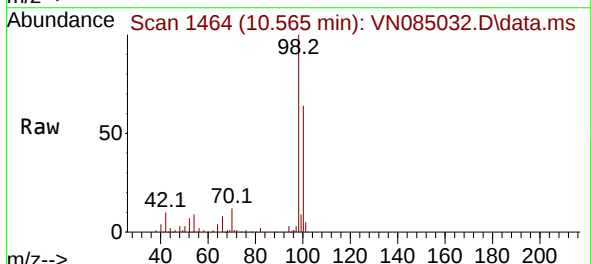
Instrument :
MSVOA_N
ClientSampleId :

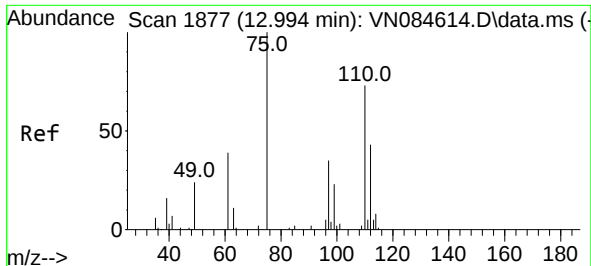
Tgt Ion: 95 Resp: 43529
Ion Ratio Lower Upper
95 100
174 72.6 59.6 89.4
176 72.5 58.6 88.0



#63
Toluene-d8
Concen: 28.146 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

Tgt Ion: 98 Resp: 140821
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2

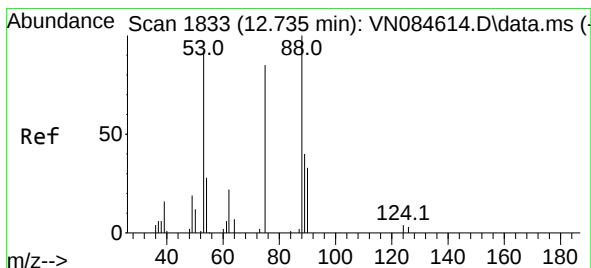
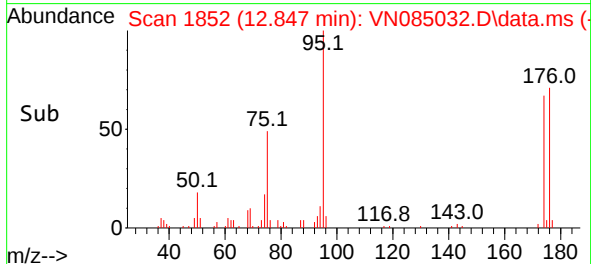
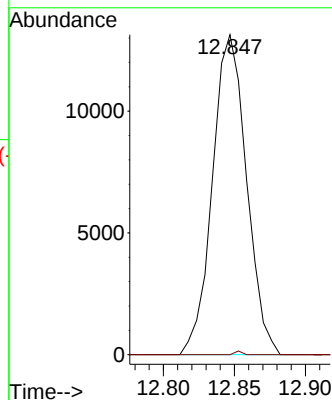
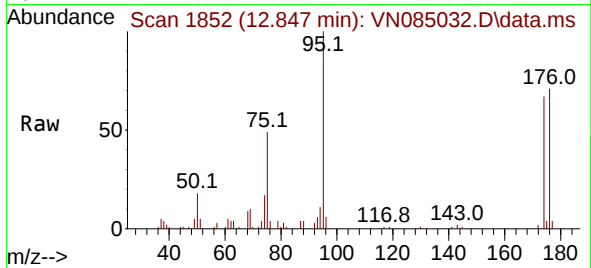




#72
1,2,3-Trichloropropane
Concen: 13.636 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 21904
Ion Ratio Lower Upper
75 100
77 0.0 0.0 358.4



#77
t-1,4-Dichloro-2-butene
Concen: 33.249 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085032.D
Acq: 25 Nov 2024 16:54

Tgt Ion: 75 Resp: 21904
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#

