

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
 Data File : VN085029.D
 Acq On : 25 Nov 2024 15:42
 Operator : JC\MD
 Sample : P4997-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 26 05:53:41 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)

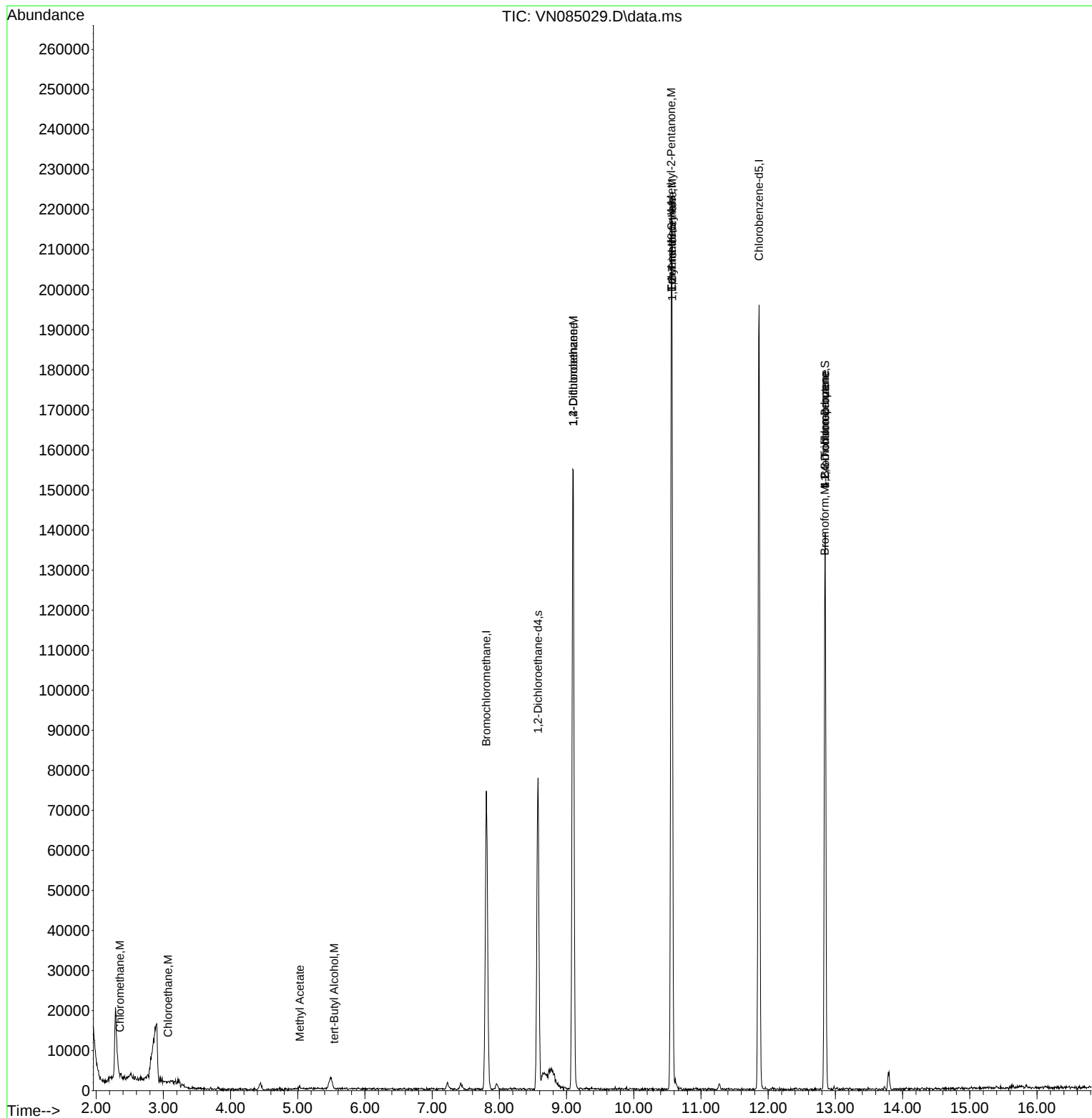
Internal Standards						
1) Bromochloromethane	7.806	128	26188	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	133606	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	114616	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	64976	30.862	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.867%			
60) 4-Bromofluorobenzene	12.847	95	49302	24.982	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 83.267%			
63) Toluene-d8	10.565	98	153287	28.251	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 94.167%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	464	0.253	ug/l #	20
6) Chloroethane	3.071	64	1446	1.293	ug/l #	47
12) Methyl Acetate	5.030	43	565	0.238	ug/l #	52
23) tert-Butyl Alcohol	5.542	59	77	0.283	ug/l #	100
36) 1,2-Dichloroethane	9.100	62	4845	2.190	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	5693	3.789	ug/l #	1
51) Ethyl methacrylate	10.565	69	473	0.204	ug/l #	59
56) Bromoform	12.841	173	280	0.238	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	611	0.338	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	24986	14.343	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	24986	34.972	ug/l #	7

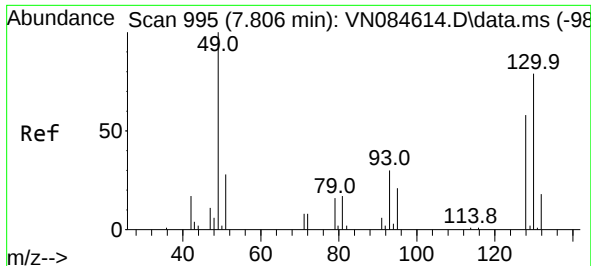
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P4997-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 26 05:53:41 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

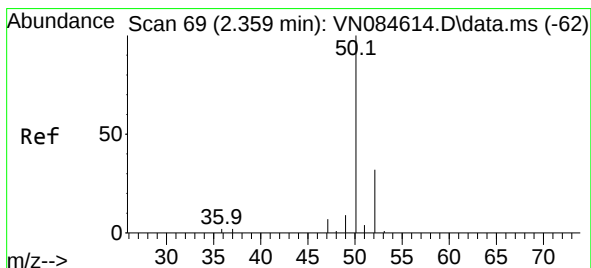
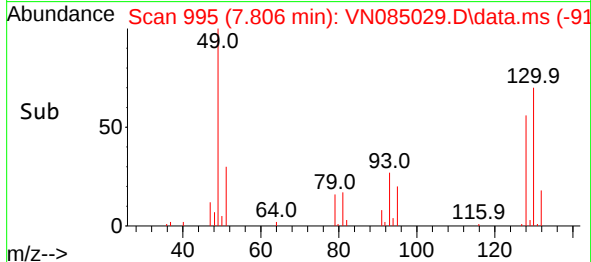
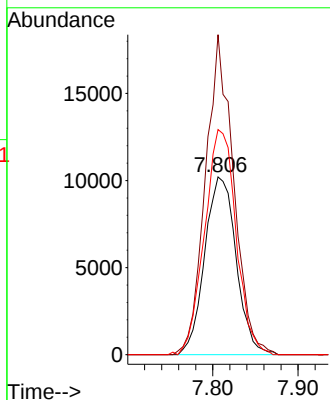
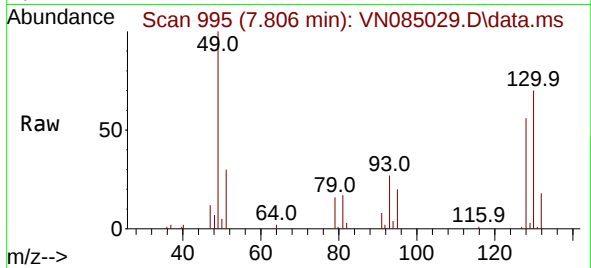




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

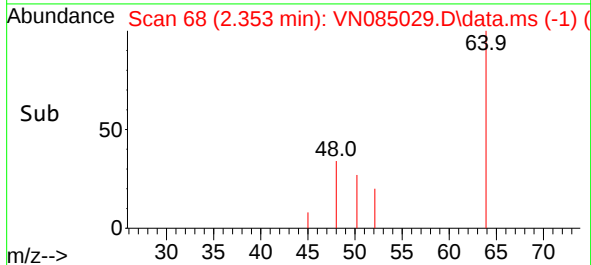
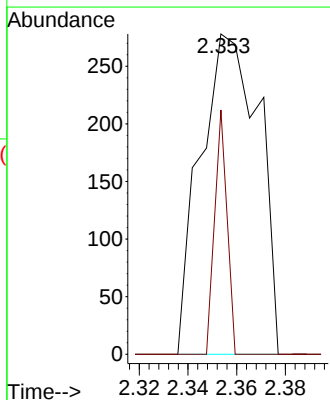
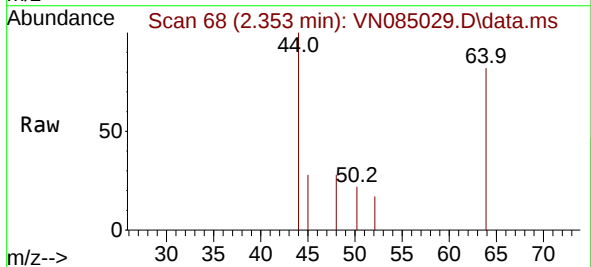
Instrument :
MSVOA_N
ClientSampleId :

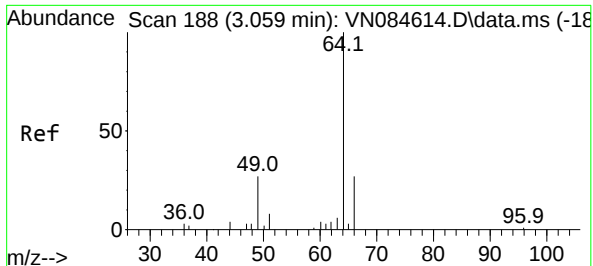
Tgt Ion:128 Resp: 26188
Ion Ratio Lower Upper
128 100
49 160.7 0.0 427.0
130 127.0 0.0 322.2



#3
Chloromethane
Concen: 0.253 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

Tgt Ion: 50 Resp: 464
Ion Ratio Lower Upper
50 100
52 76.3 25.5 38.3#

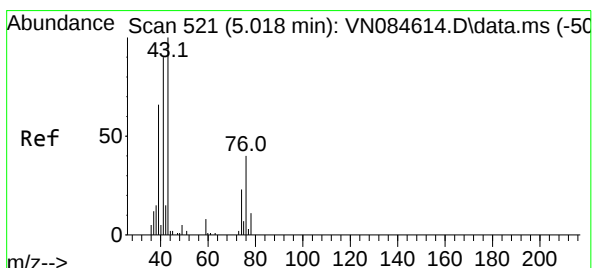
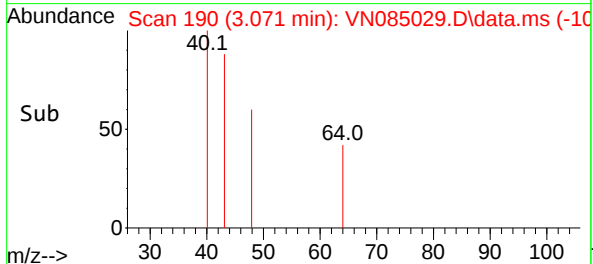
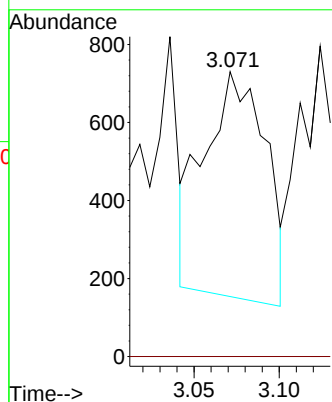
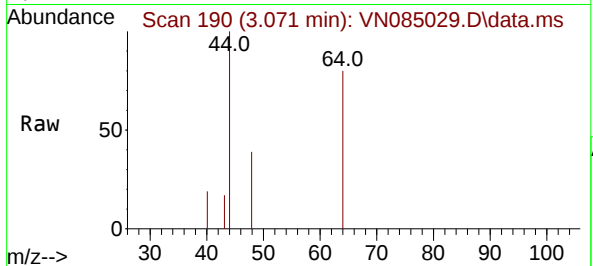




#6
Chloroethane
Concen: 1.293 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.012 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

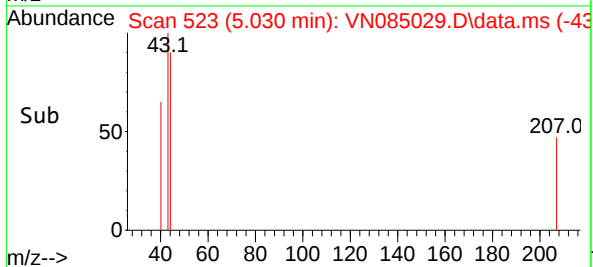
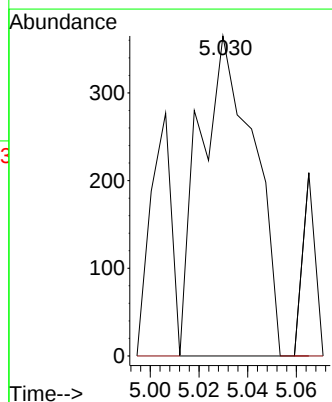
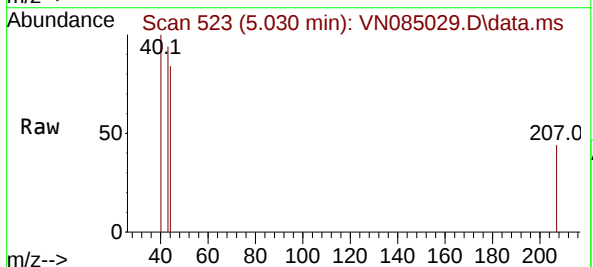
Instrument :
MSVOA_N
ClientSampleId :

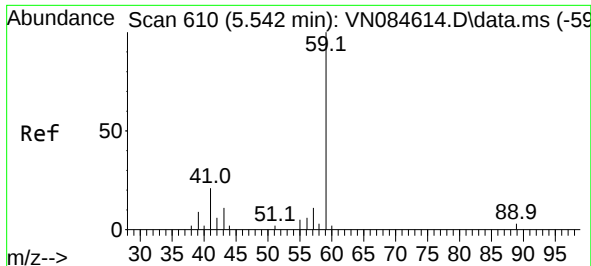
Tgt Ion: 64 Resp: 1446
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#



#12
Methyl Acetate
Concen: 0.238 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

Tgt Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#

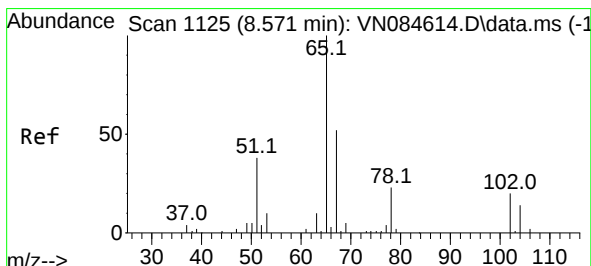
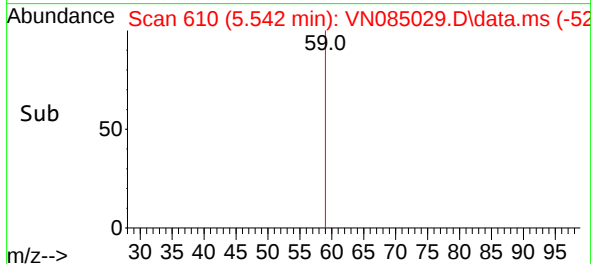
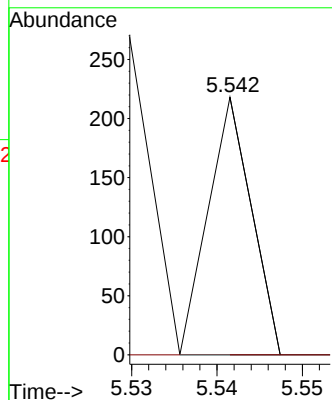
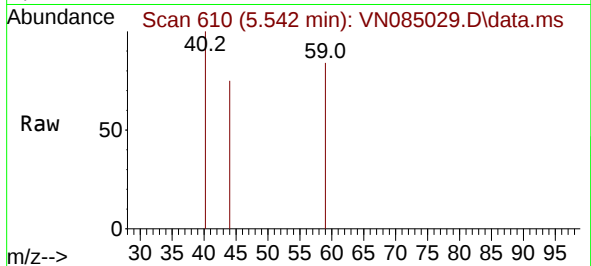




#23
tert-Butyl Alcohol
Concen: 0.283 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

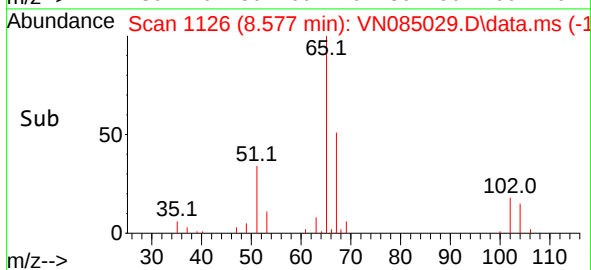
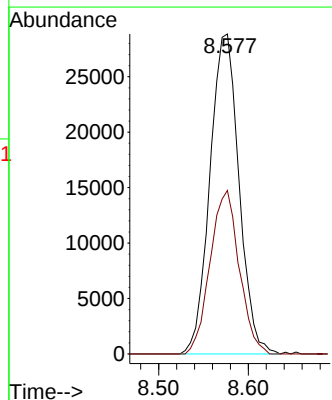
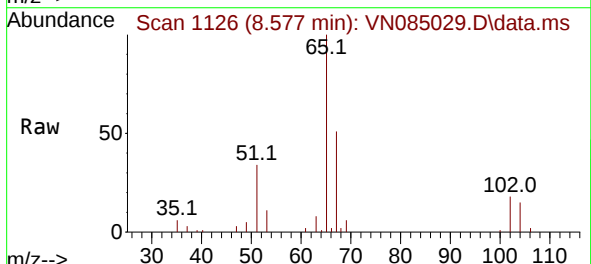
Instrument :
MSVOA_N
ClientSampleId :

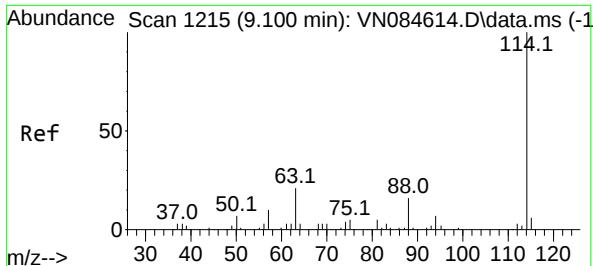
Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.862 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

Tgt Ion: 65 Resp: 64976
Ion Ratio Lower Upper
65 100
67 51.1 40.7 61.1

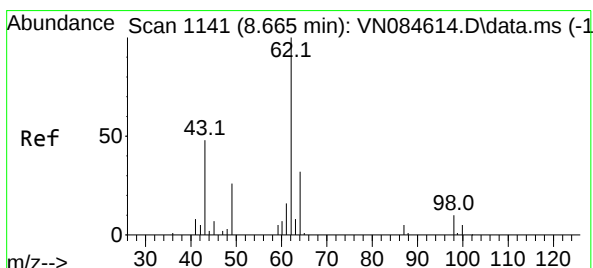
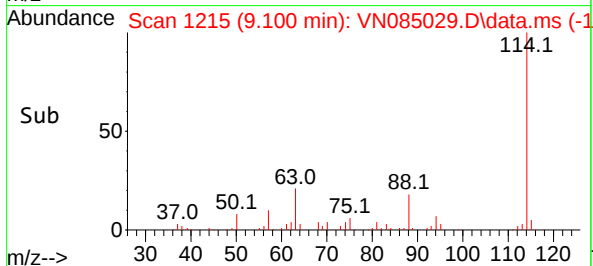
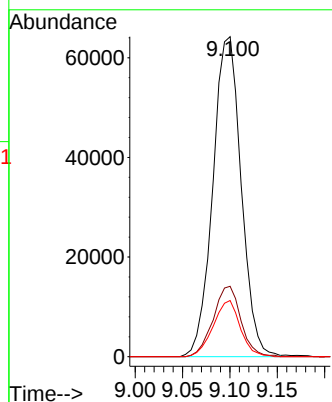
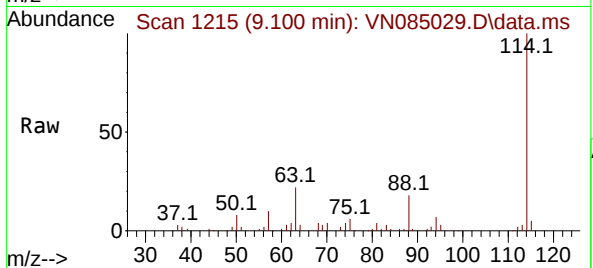




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

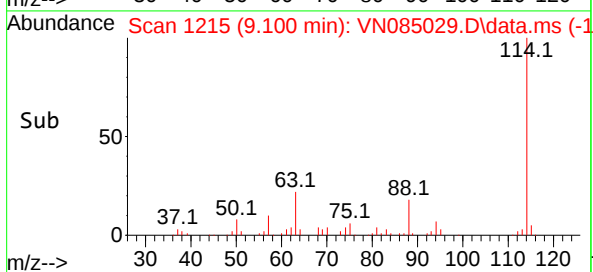
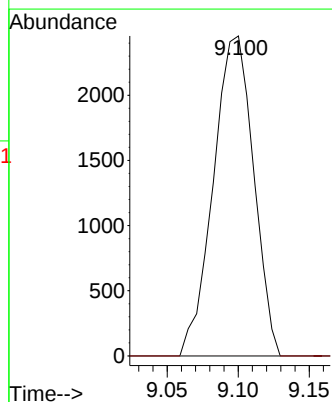
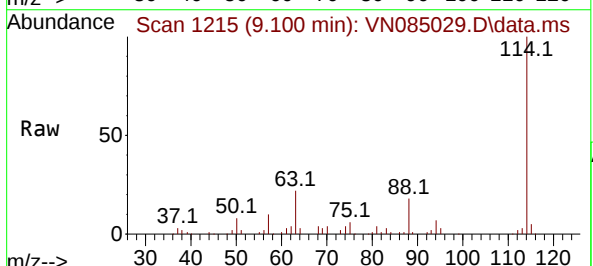
Instrument :
MSVOA_N
ClientSampleId :

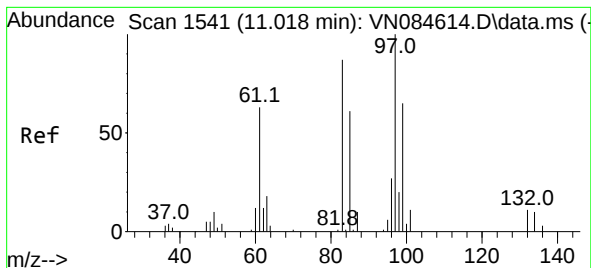
Tgt Ion:114 Resp: 133606
Ion Ratio Lower Upper
114 100
63 21.5 16.8 25.2
88 16.7 12.9 19.3



#36
1,2-Dichloroethane
Concen: 2.190 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.435 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

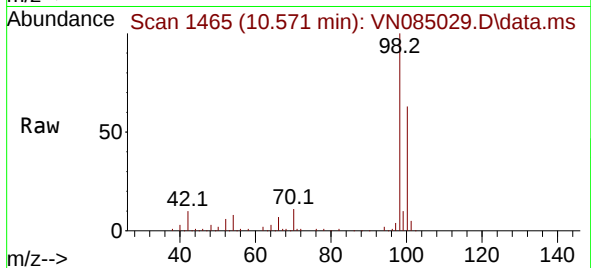
Tgt Ion: 62 Resp: 4845
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#



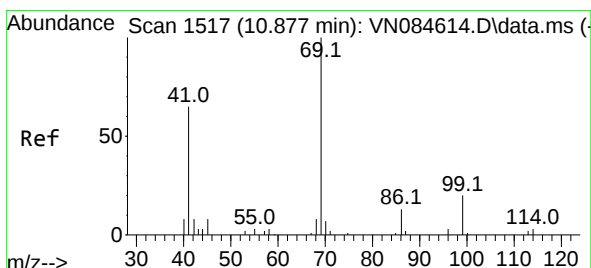
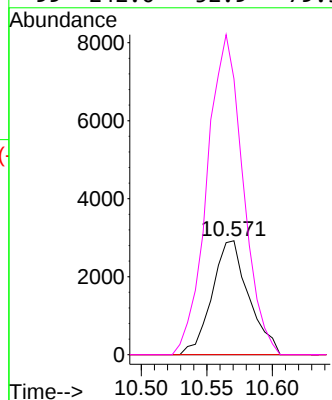
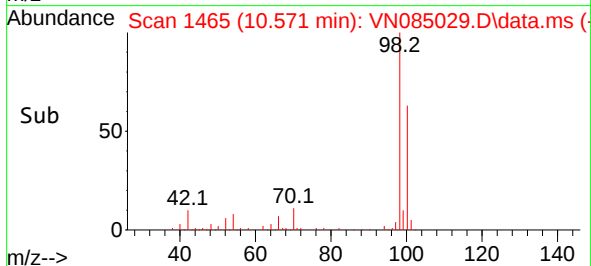


#50
 1,1,2-Trichloroethane
 Concen: 3.789 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. -0.447 min
 Lab File: VN085029.D
 Acq: 25 Nov 2024 15:42

Instrument :
 MSVOA_N
 ClientSampleId :

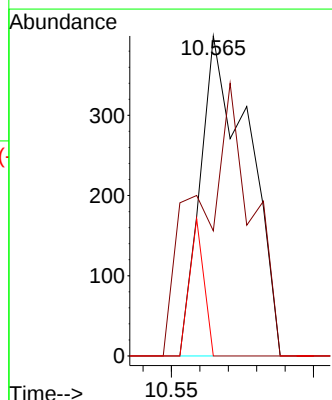
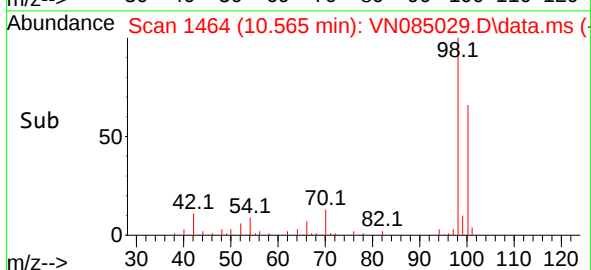
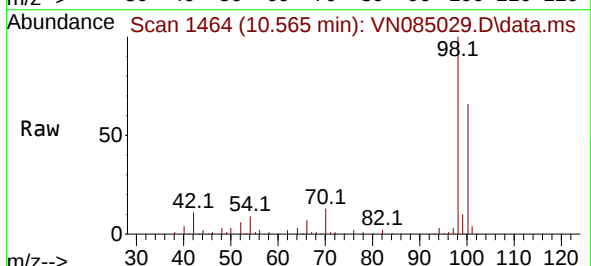


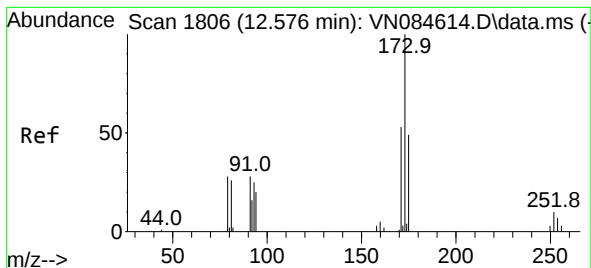
Tgt Ion:	97	Resp:	5693
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.8	104.8#
85	0.0	48.6	73.0#
99	242.0	52.9	79.3#



#51
 Ethyl methacrylate
 Concen: 0.204 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. -0.312 min
 Lab File: VN085029.D
 Acq: 25 Nov 2024 15:42

Tgt Ion:	69	Resp:	473
Ion	Ratio	Lower	Upper
69	100		
41	39.1	32.8	98.3
39	0.0	15.4	46.1#





#56

Bromoform

Concen: 0.238 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN085029.D

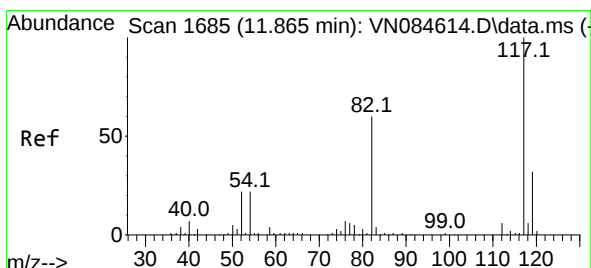
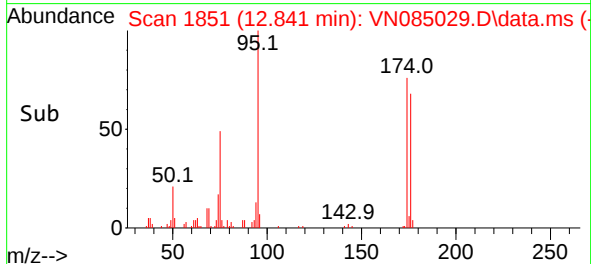
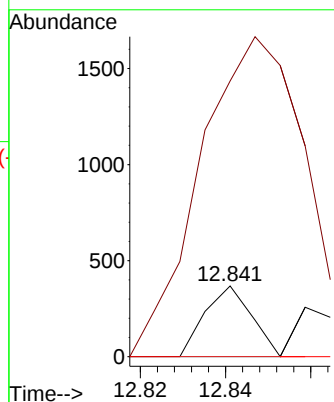
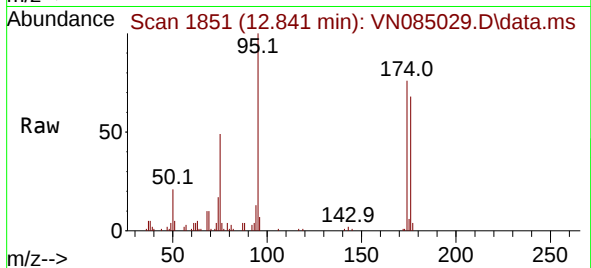
Acq: 25 Nov 2024 15:42

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	280
Ion	Ratio	Lower	Upper
173	100		
175	1035.4	39.4	59.2#
254	0.0	6.4	9.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

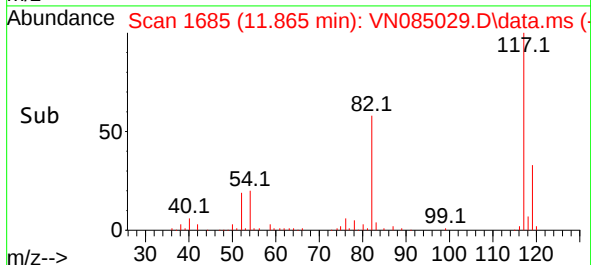
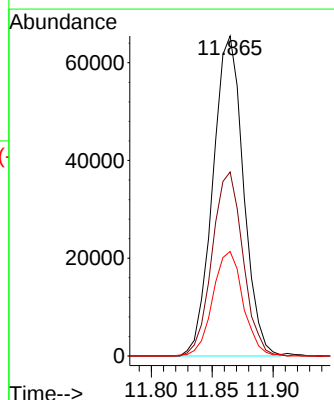
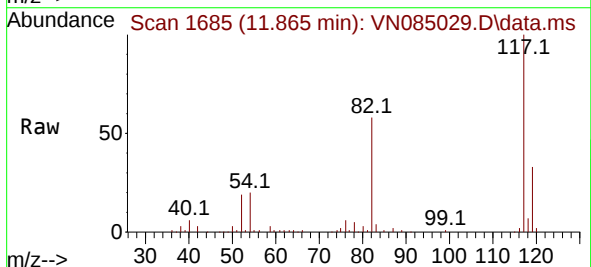
RT: 11.865 min Scan# 1685

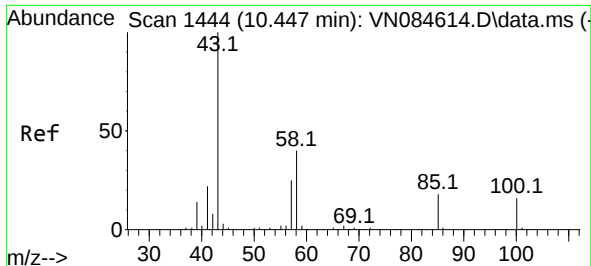
Delta R.T. -0.000 min

Lab File: VN085029.D

Acq: 25 Nov 2024 15:42

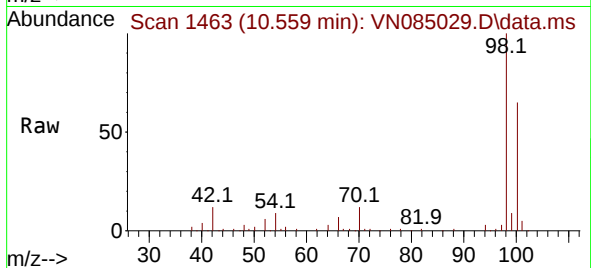
Tgt Ion:	117	Resp:	114616
Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.5	68.3
119	32.4	25.3	37.9



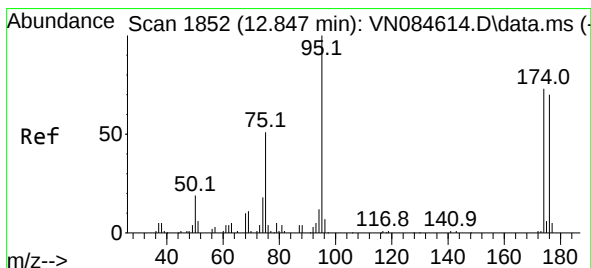
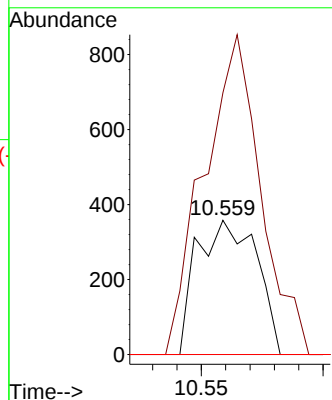
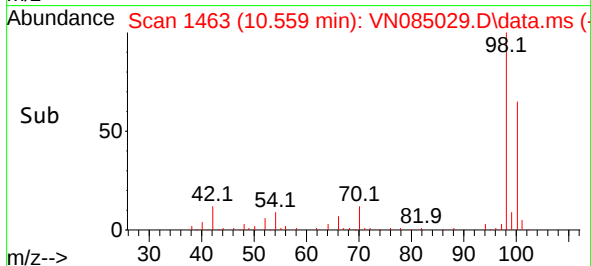


#58
4-Methyl-2-Pentanone
Concen: 0.338 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

Instrument :
MSVOA_N
ClientSampleId :

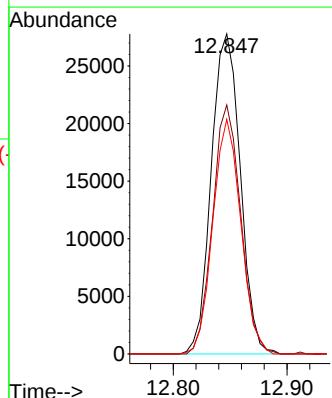
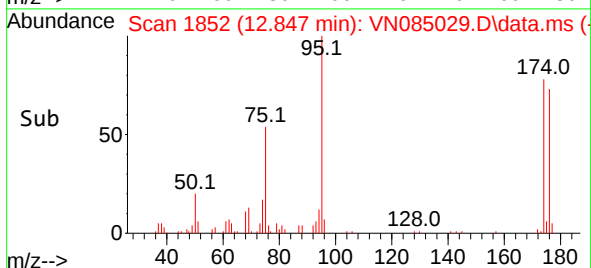
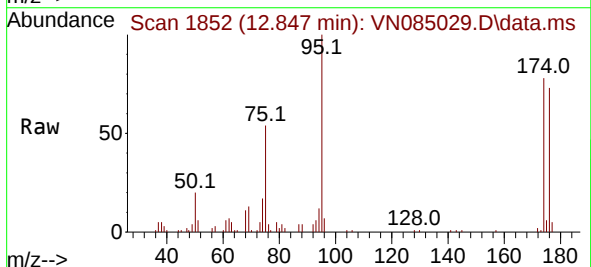


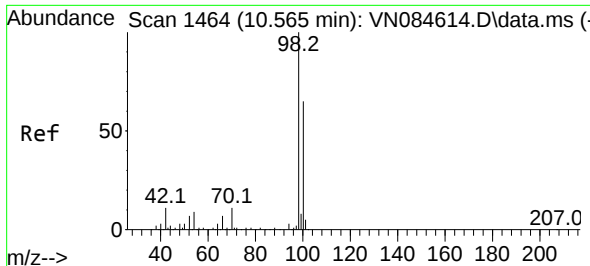
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
58 227.5 31.2 46.8#
85 0.0 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 24.982 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

Tgt Ion: 95 Resp: 49302
Ion Ratio Lower Upper
95 100
174 75.3 59.6 89.4
176 70.8 58.6 88.0

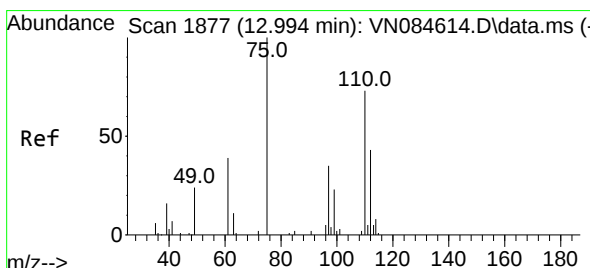
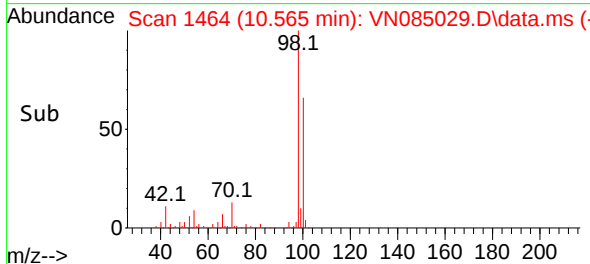
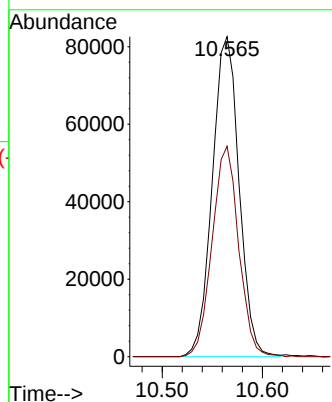
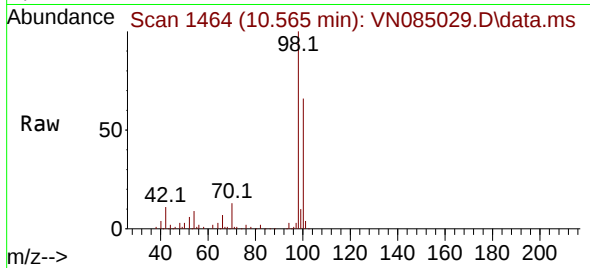




#63
Toluene-d8
Concen: 28.251 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

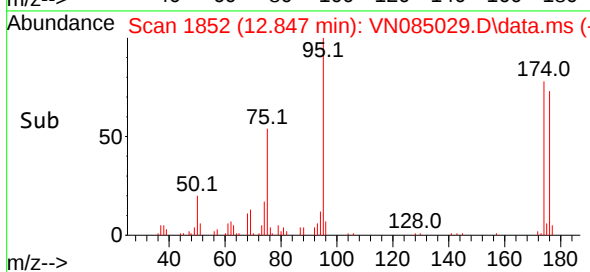
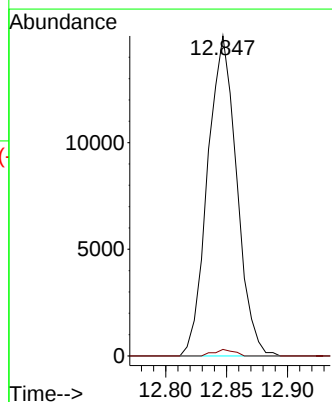
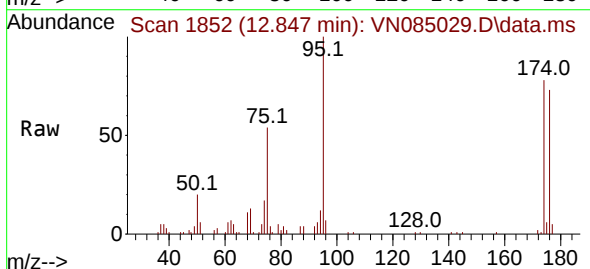
Instrument :
MSVOA_N
ClientSampleId :

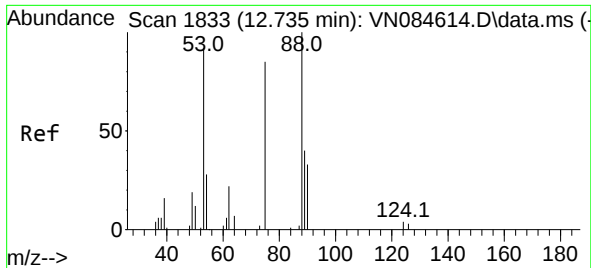
Tgt Ion: 98 Resp: 153287
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#72
1,2,3-Trichloropropane
Concen: 14.343 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085029.D
Acq: 25 Nov 2024 15:42

Tgt Ion: 75 Resp: 24986
Ion Ratio Lower Upper
75 100
77 1.4 0.0 358.4





#77

t-1,4-Dichloro-2-butene

Concen: 34.972 ug/l

RT: 12.847 min Scan# 1833

Delta R.T. 0.112 min

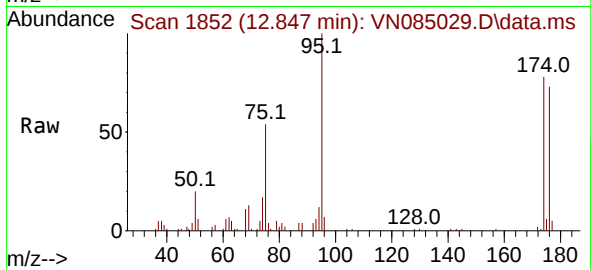
Lab File: VN085029.D

Acq: 25 Nov 2024 15:42

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 24986

Ion Ratio Lower Upper

75 100

53 0.0 52.4 157.2#

89 0.0 26.0 78.0#

