

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085128.D
 Acq On : 06 Dec 2024 15:39
 Operator : JC\MD
 Sample : P5051-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Dec 06 23:09:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

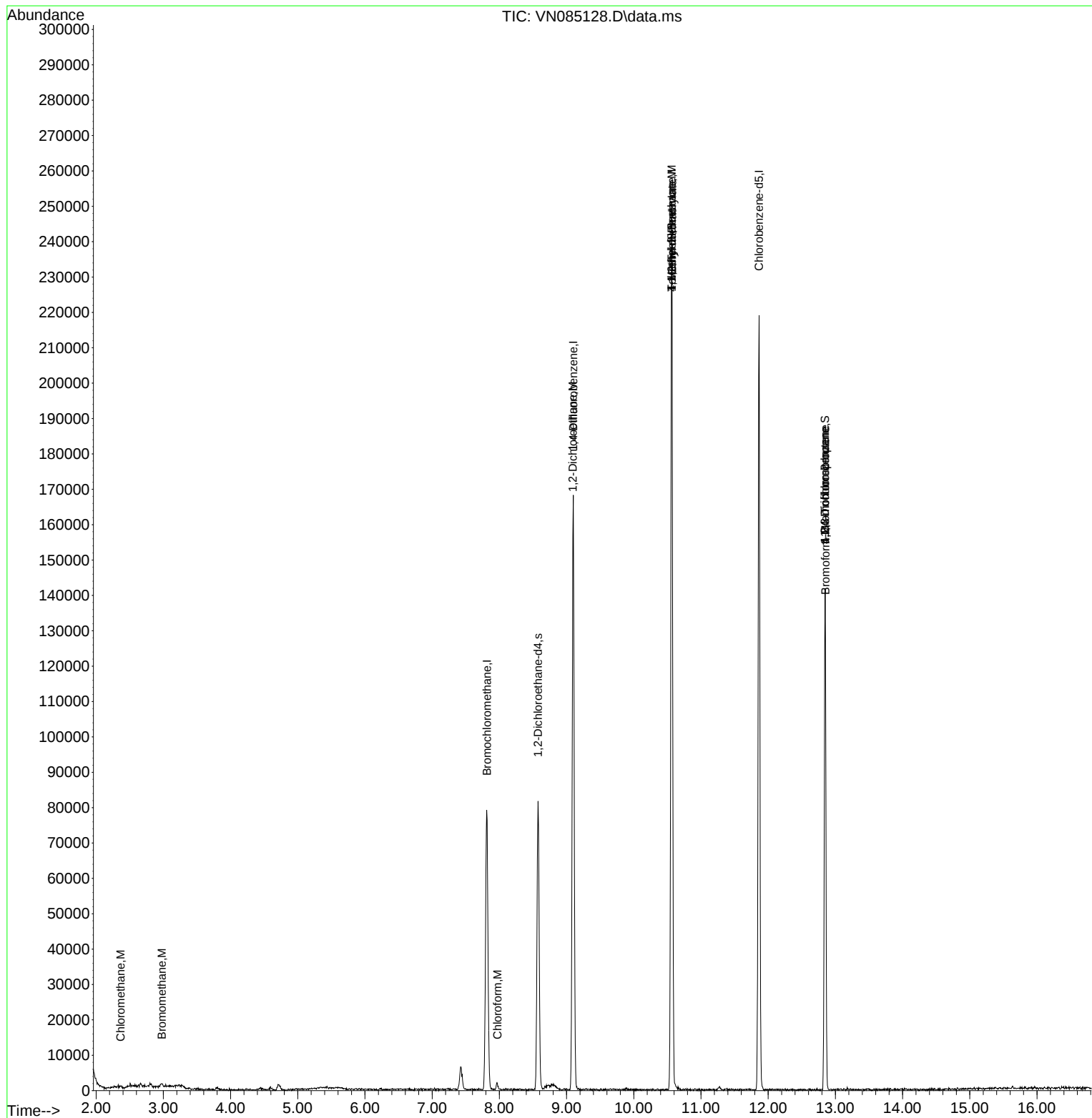
Internal Standards						
1) Bromochloromethane	7.818	128	28473	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	143498	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	125904	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68819	30.461	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.533%			
60) 4-Bromofluorobenzene	12.847	95	49316	23.673	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 78.900%			
63) Toluene-d8	10.565	98	171880	29.103	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.000%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	453	0.225	ug/l #	43
5) Bromomethane	2.977	94	740	0.565	ug/l #	76
25) Chloroform	7.971	83	1698	0.482	ug/l	96
36) 1,2-Dichloroethane	9.094	62	5193	2.097	ug/l #	75
50) 1,1,2-Trichloroethane	10.565	97	5732	3.366	ug/l #	1
51) Ethyl methacrylate	10.571	69	537	0.207	ug/l #	53
56) Bromoform	12.853	173	317	0.228	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	562	0.274	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	26167	11.989	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	26167	32.994	ug/l #	10

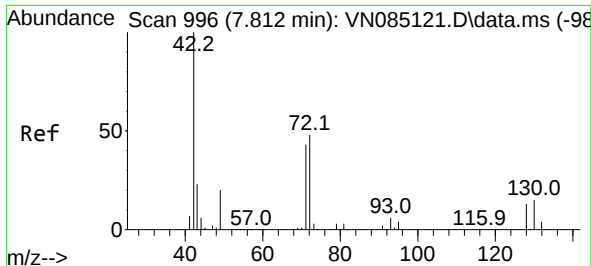
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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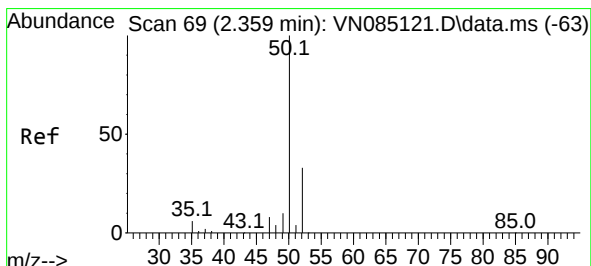
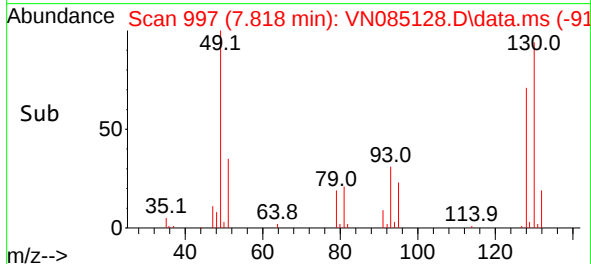
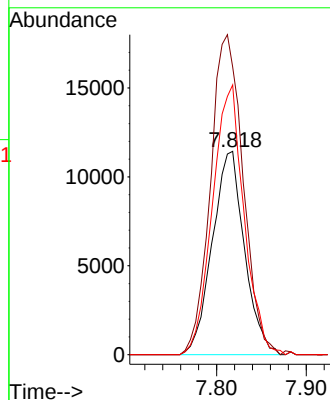
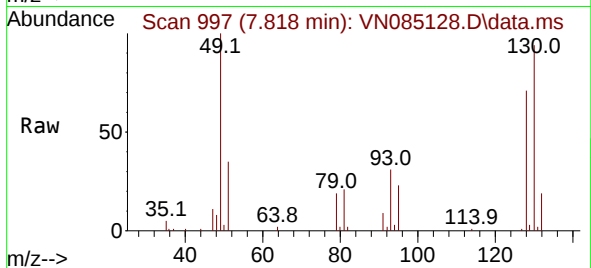




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

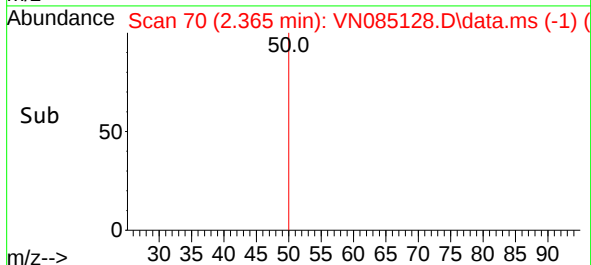
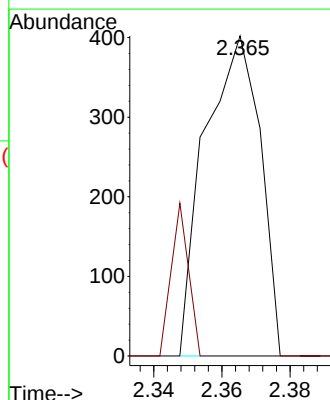
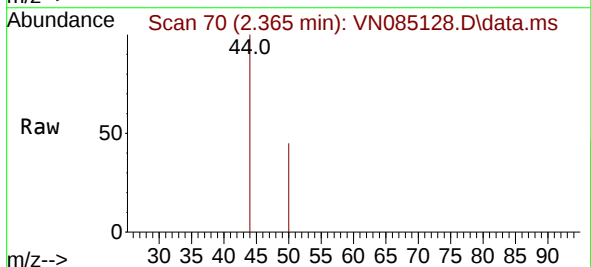
Instrument :
MSVOA_N
ClientSampleId :
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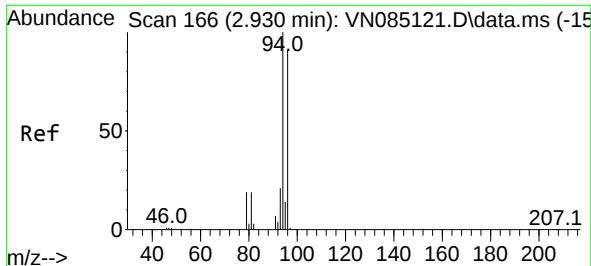
Tgt Ion:128 Resp: 28473
Ion Ratio Lower Upper
128 100
49 159.6 0.0 394.5
130 130.1 0.0 316.5



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

Tgt Ion: 50 Resp: 453
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

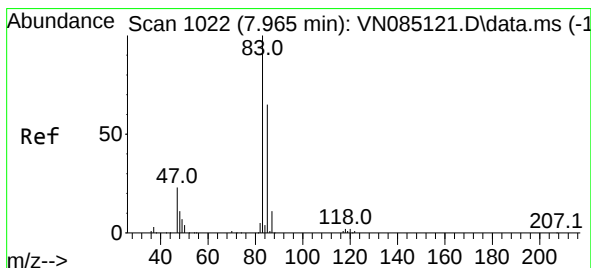
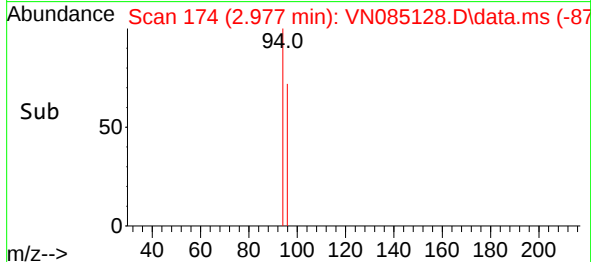
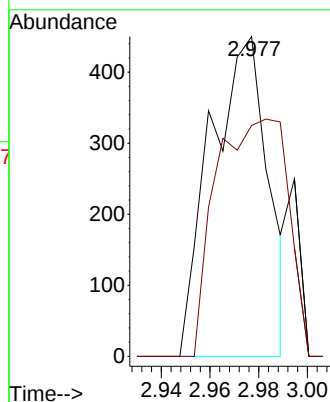
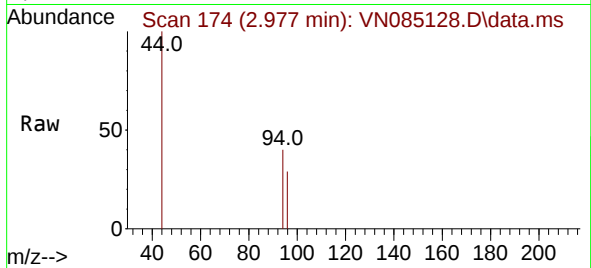




#5
Bromomethane
Concen: 0.565 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

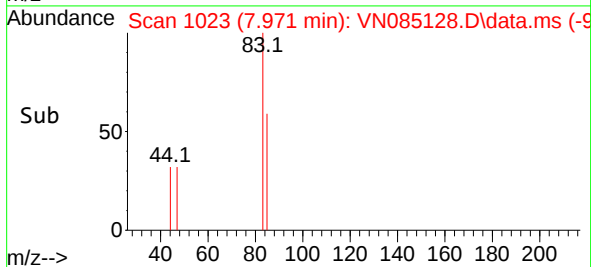
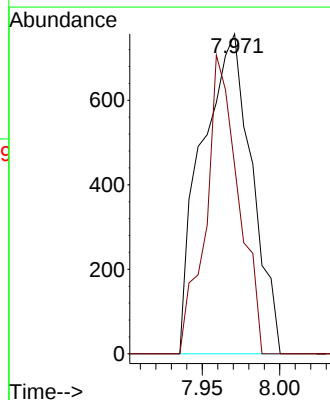
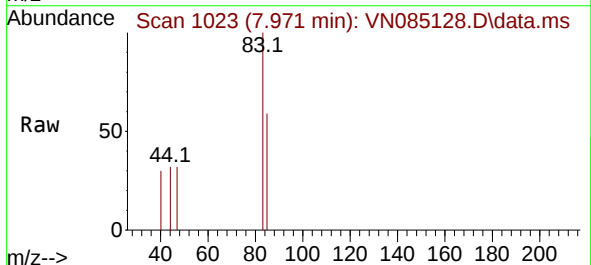
Instrument :
MSVOA_N
ClientSampleId :
14B-2

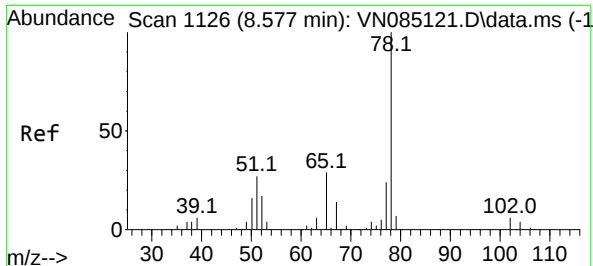
Tgt Ion: 94 Resp: 740
Ion Ratio Lower Upper
94 100
96 72.2 76.2 114.4#



#25
Chloroform
Concen: 0.482 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.012 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

Tgt Ion: 83 Resp: 1698
Ion Ratio Lower Upper
83 100
85 58.9 49.4 74.0

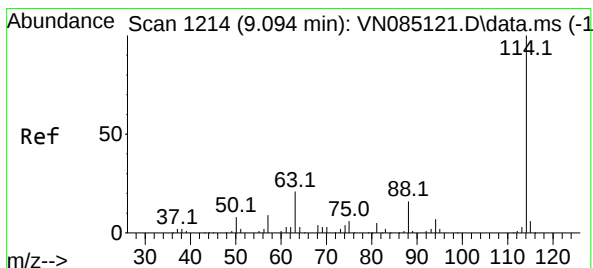
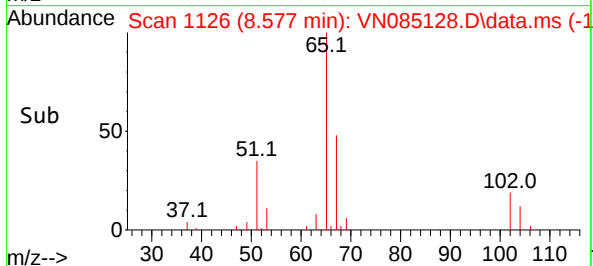
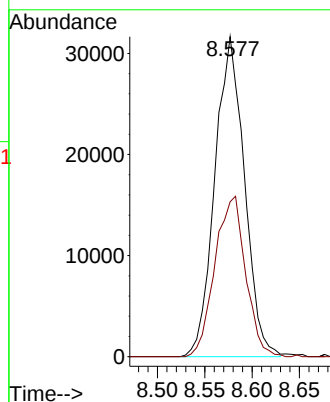
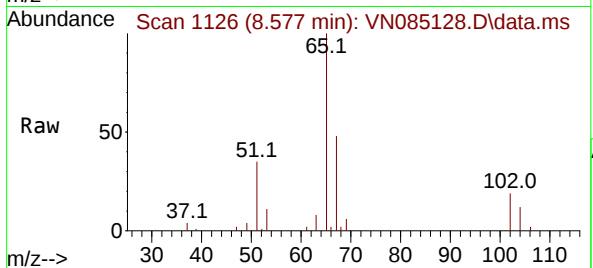




#27
 1,2-Dichloroethane-d4
 Concen: 30.461 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN085128.D
 Acq: 06 Dec 2024 15:39

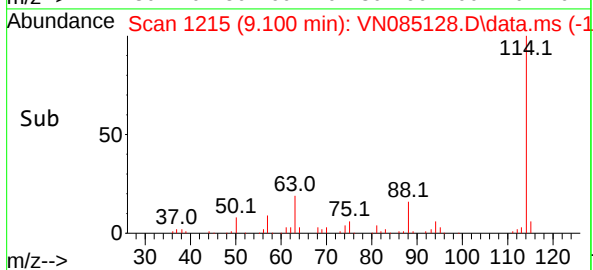
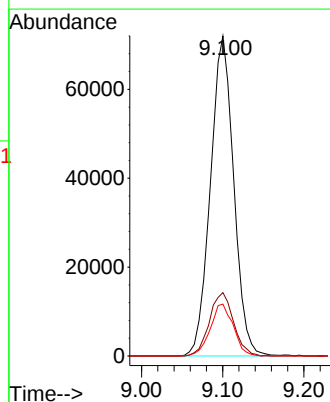
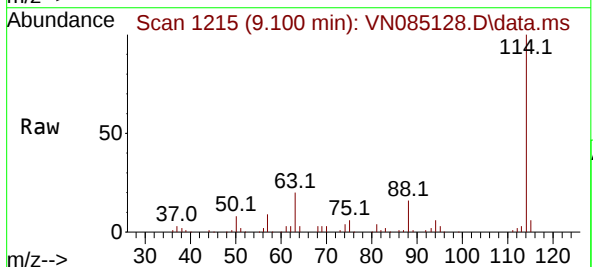
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

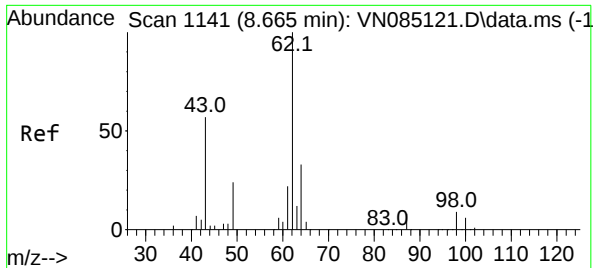
Tgt Ion: 65 Resp: 68819
 Ion Ratio Lower Upper
 65 100
 67 52.0 39.9 59.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN085128.D
 Acq: 06 Dec 2024 15:39

Tgt Ion: 114 Resp: 143498
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.2 24.2
 88 16.0 12.5 18.7

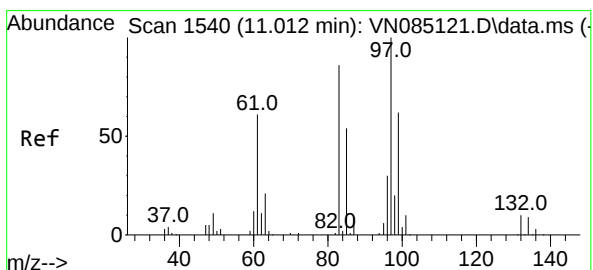
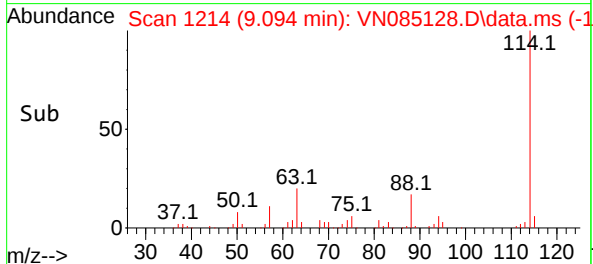
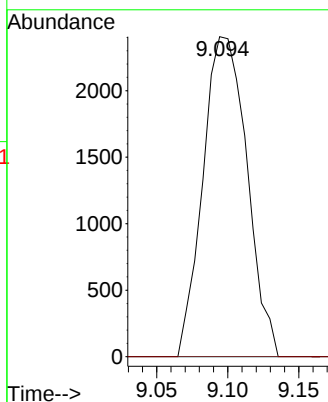
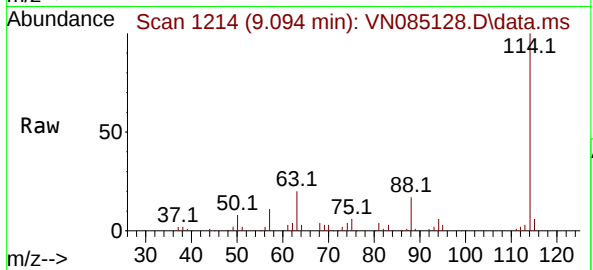




#36
 1,2-Dichloroethane
 Concen: 2.097 ug/l
 RT: 9.094 min Scan# 1141
 Delta R.T. 0.429 min
 Lab File: VN085128.D
 Acq: 06 Dec 2024 15:39

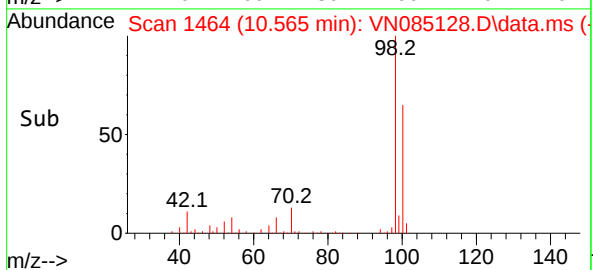
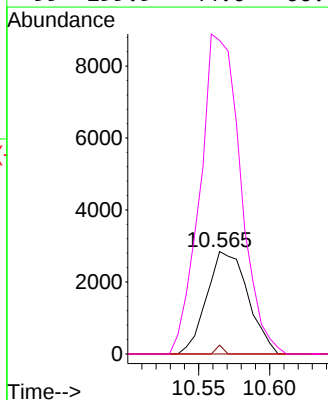
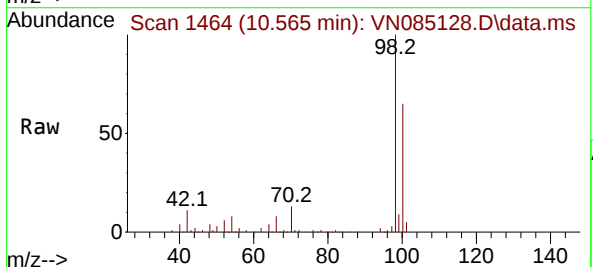
Instrument :
 MSVOA_N
 ClientSampleId :
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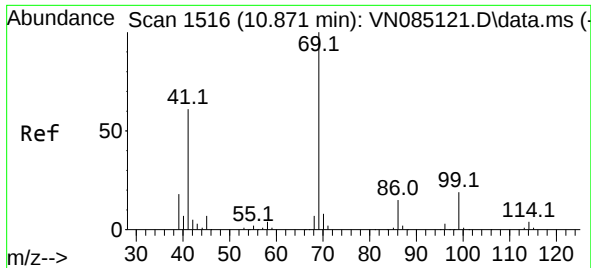
Tgt Ion: 62 Resp: 5193
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#



#50
 1,1,2-Trichloroethane
 Concen: 3.366 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. -0.447 min
 Lab File: VN085128.D
 Acq: 06 Dec 2024 15:39

Tgt Ion: 97 Resp: 5732
 Ion Ratio Lower Upper
 97 100
 83 8.5 65.8 98.8#
 85 0.0 40.8 61.2#
 99 299.9 44.0 66.0#

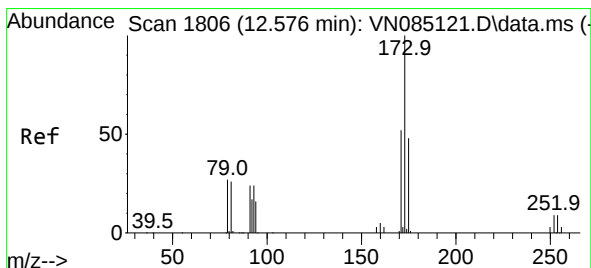
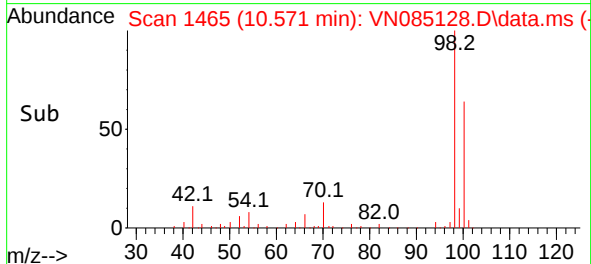
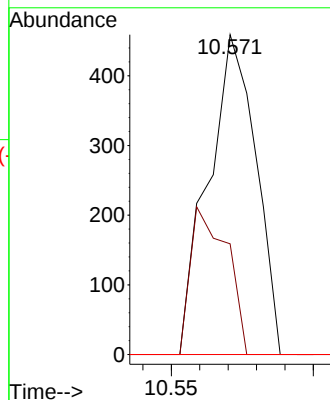
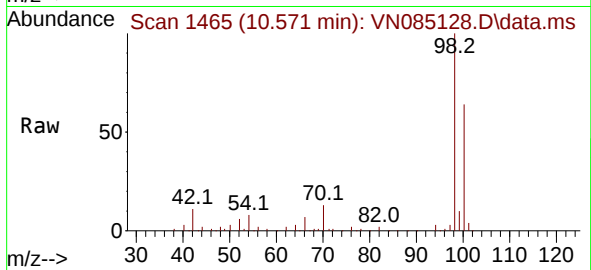




#51
Ethyl methacrylate
Concen: 0.207 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.300 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

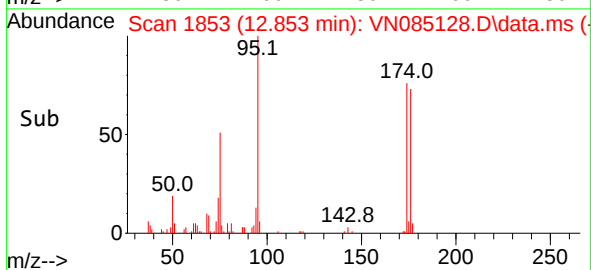
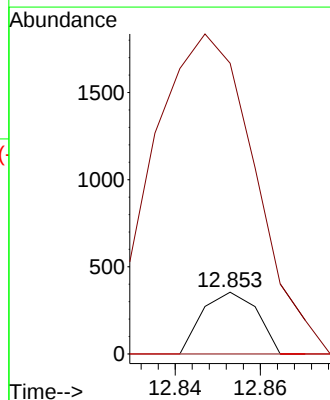
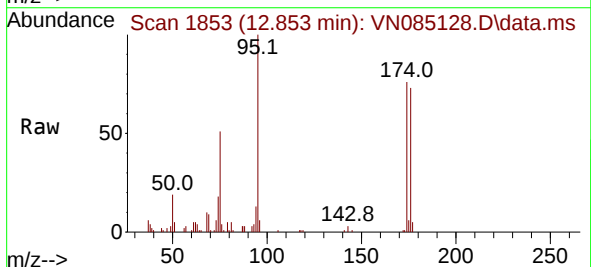
Instrument :
MSVOA_N
ClientSampleId :
14B-2

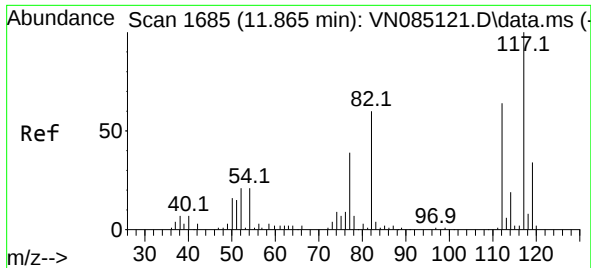
Tgt Ion: 69 Resp: 537
Ion Ratio Lower Upper
69 100
41 34.6 32.1 96.3
39 0.0 18.8 56.4#



#56
Bromoform
Concen: 0.228 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.277 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

Tgt Ion:173 Resp: 317
Ion Ratio Lower Upper
173 100
175 980.1 40.2 60.2#
254 0.0 6.2 9.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085128.D

Acq: 06 Dec 2024 15:39

Instrument :

MSVOA_N

ClientSampleId :

14B-2

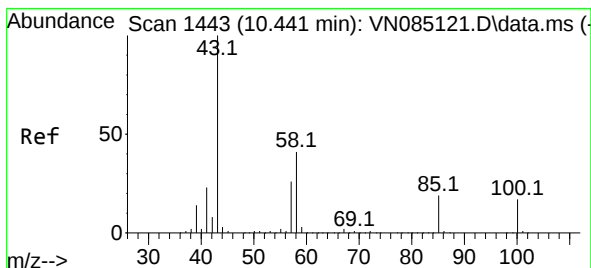
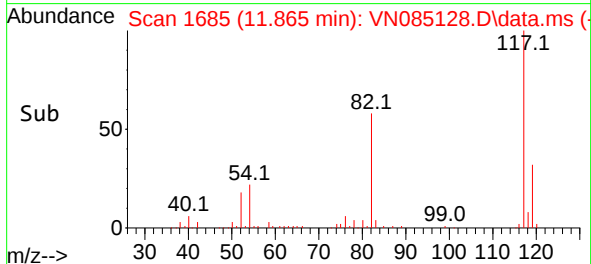
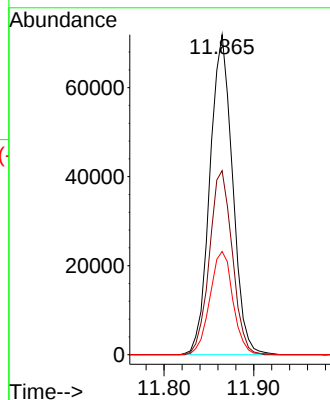
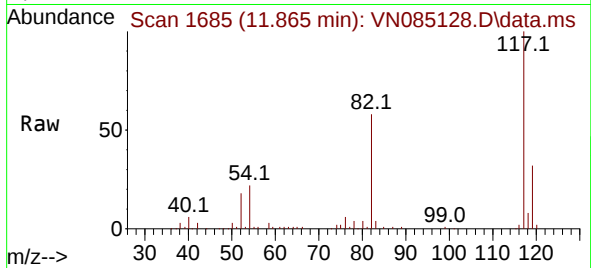
Tgt Ion:117 Resp: 125904

Ion Ratio Lower Upper

117 100

82 58.0 44.2 66.4

119 32.9 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.274 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.124 min

Lab File: VN085128.D

Acq: 06 Dec 2024 15:39

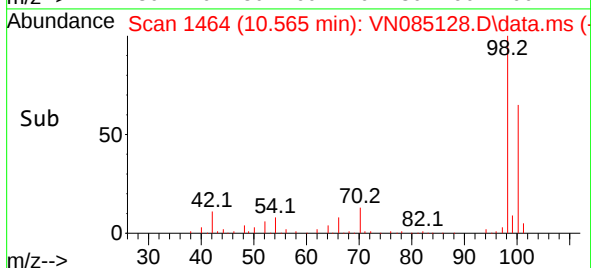
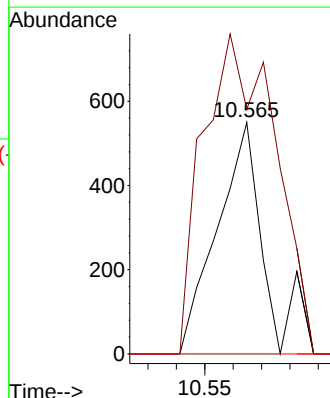
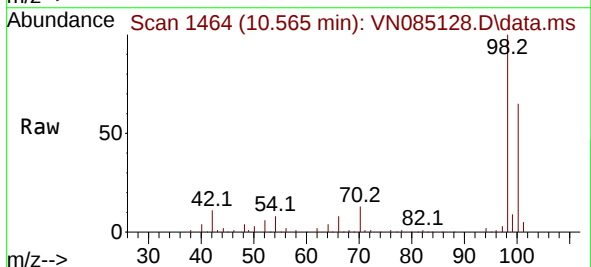
Tgt Ion: 43 Resp: 562

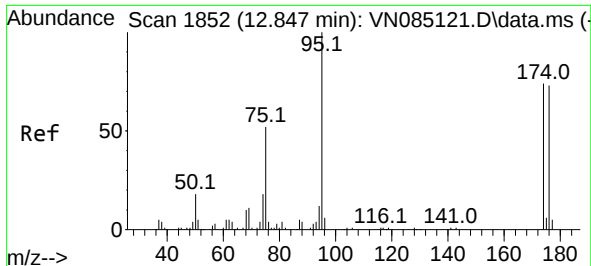
Ion Ratio Lower Upper

43 100

58 238.3 31.6 47.4#

85 0.0 15.0 22.6#

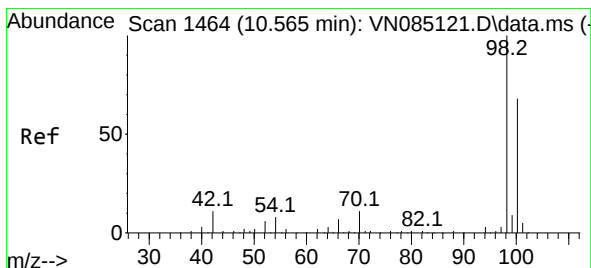
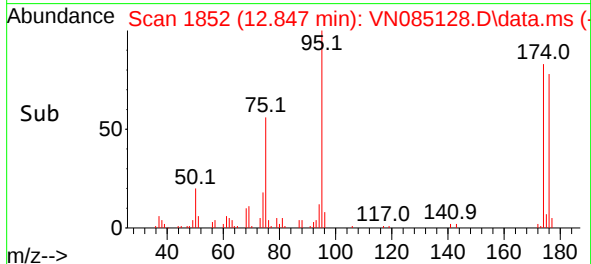
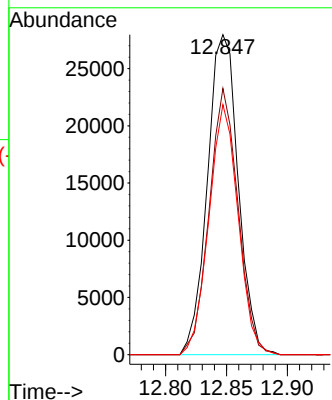
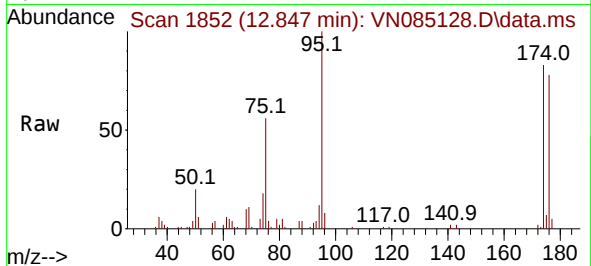




#60
4-Bromofluorobenzene
Concen: 23.673 ug/l
RT: 12.847 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

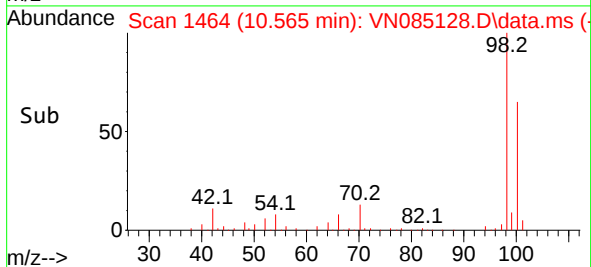
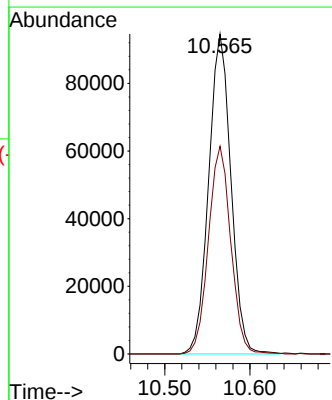
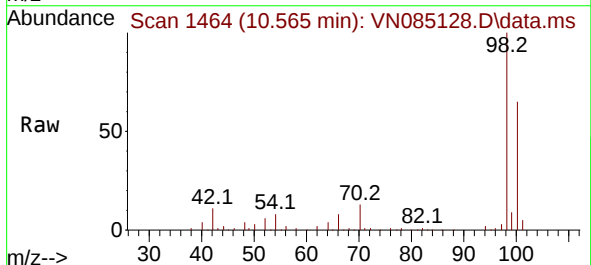
Instrument :
MSVOA_N
ClientSampleId :
14B-2

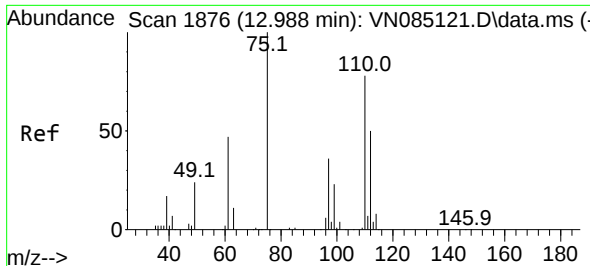
Tgt Ion: 95 Resp: 49316
Ion Ratio Lower Upper
95 100
174 78.0 60.3 90.5
176 74.0 57.4 86.0



#63
Toluene-d8
Concen: 29.103 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

Tgt Ion: 98 Resp: 171880
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

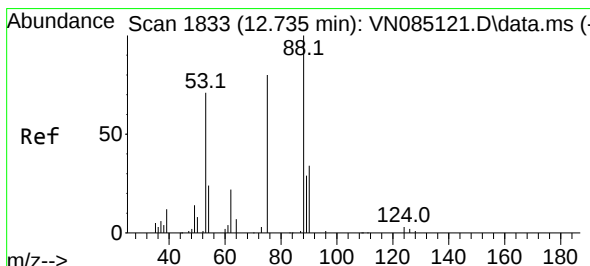
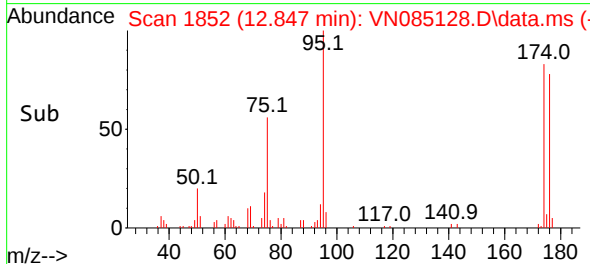
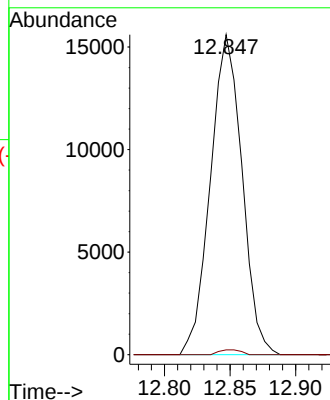
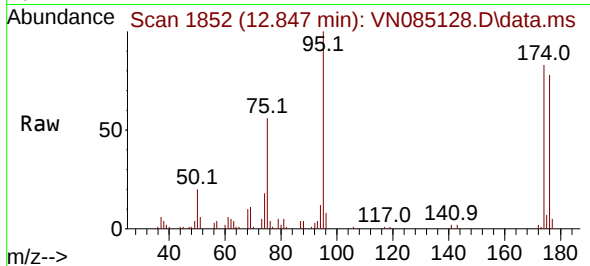




#72
1,2,3-Trichloropropane
Concen: 11.989 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :
14B-2

Tgt Ion: 75 Resp: 26167
Ion Ratio Lower Upper
75 100
77 1.0 0.0 339.0



#77
t-1,4-Dichloro-2-butene
Concen: 32.994 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085128.D
Acq: 06 Dec 2024 15:39

Tgt Ion: 75 Resp: 26167
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

