

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084193.D
 Acq On : 26 Sep 2024 21:52
 Operator : JC\MD
 Sample : P4176-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:16:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

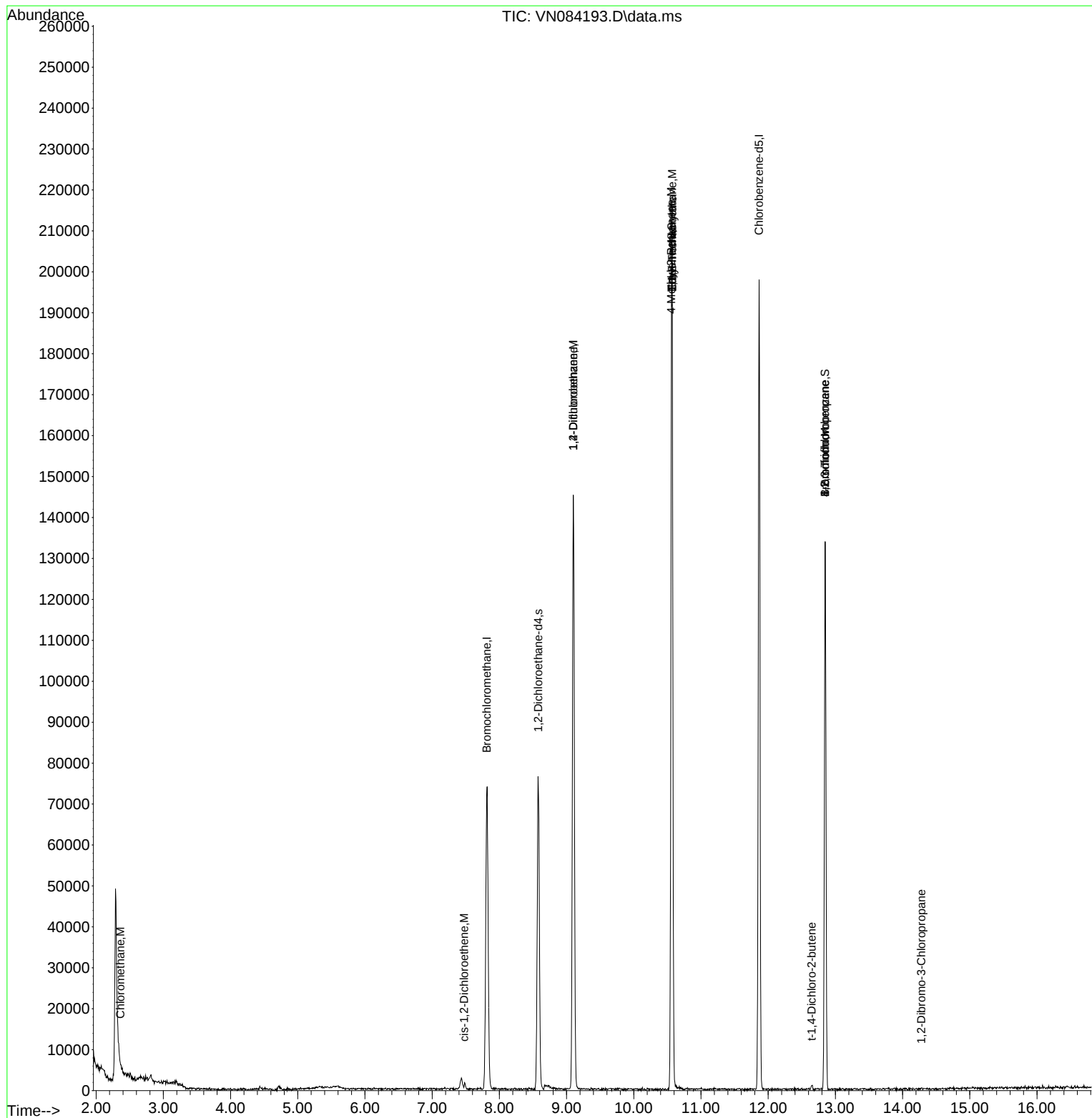
Internal Standards						
1) Bromochloromethane	7.812	128	24863	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	119767	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	109566	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	63848	28.094	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.633%
60) 4-Bromofluorobenzene	12.847	95	44973	23.816	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.400%
63) Toluene-d8	10.565	98	150509	29.667	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	507	0.293	ug/l #	43
22) cis-1,2-Dichloroethene	7.477	96	588	0.302	ug/l #	83
36) 1,2-Dichloroethane	9.100	62	4559	2.128	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	4972	3.896	ug/l #	1
51) Ethyl methacrylate	10.571	69	538	0.247	ug/l #	77
56) Bromoform	12.847	173	332	0.341	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	603	0.347	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	24195	15.014	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.647	75	849	1.246	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	14.276	75	129	0.319	ug/l #	4

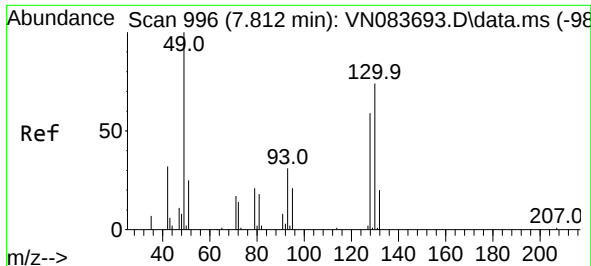
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 27 01:16:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

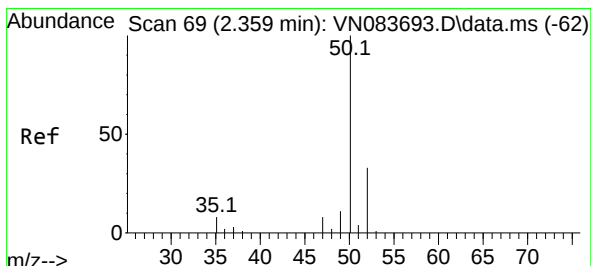
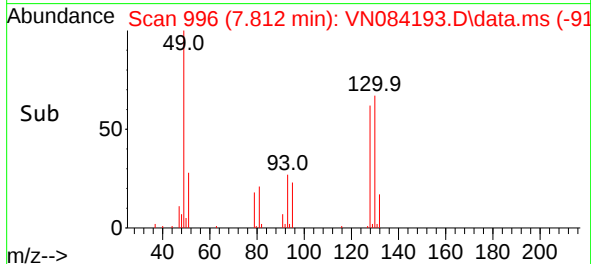
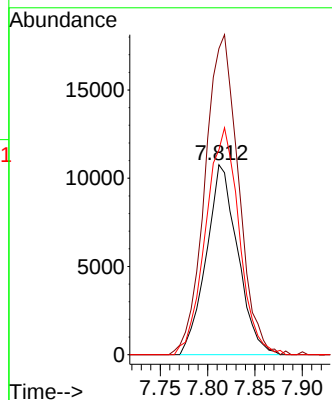
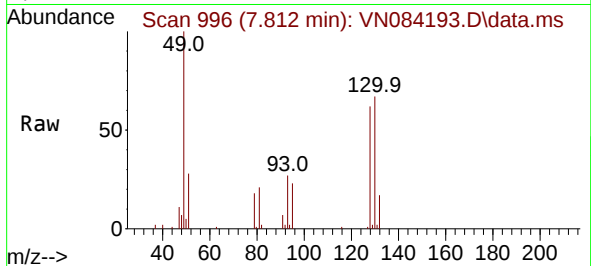




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

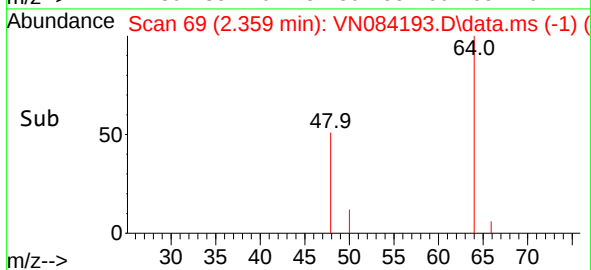
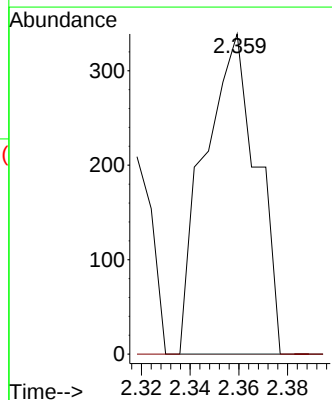
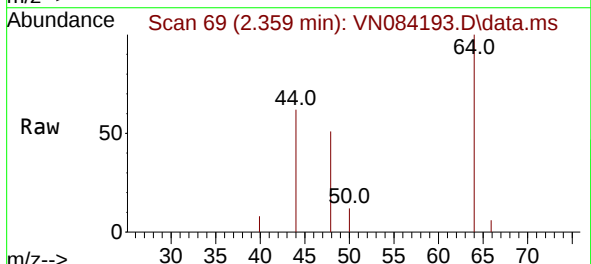
Instrument :
MSVOA_N
ClientSampleId :

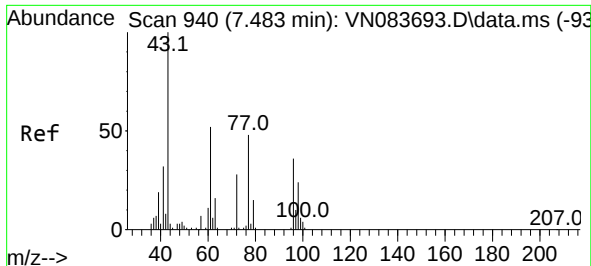
Tgt Ion:128 Resp: 24863
Ion Ratio Lower Upper
128 100
49 179.1 0.0 403.7
130 127.1 0.0 323.3



#3
Chloromethane
Concen: 0.293 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

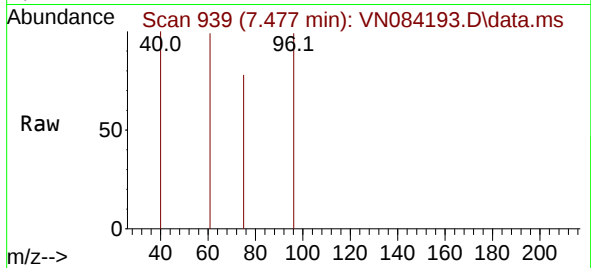
Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#



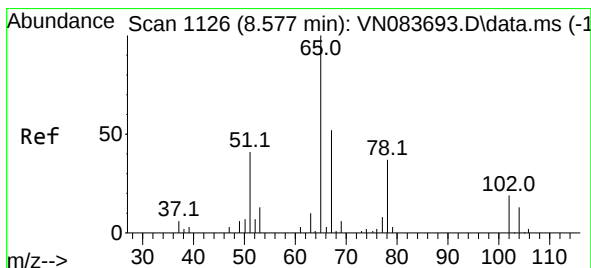
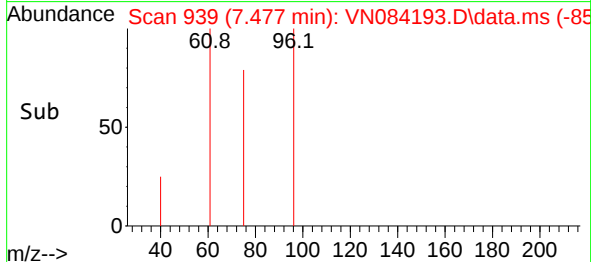
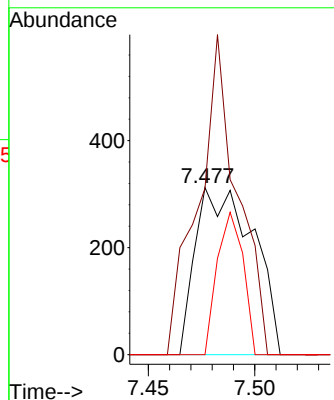


#22
 cis-1,2-Dichloroethene
 Concen: 0.302 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VN084193.D
 Acq: 26 Sep 2024 21:52

Instrument :
 MSVOA_N
 ClientSampleId :

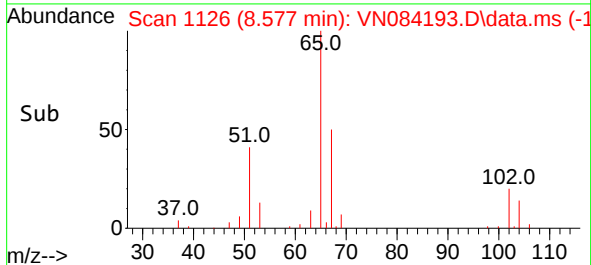
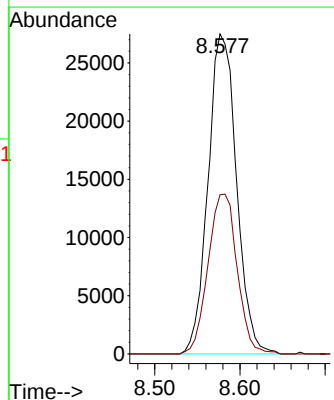
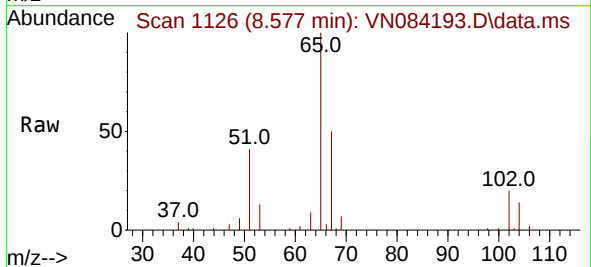


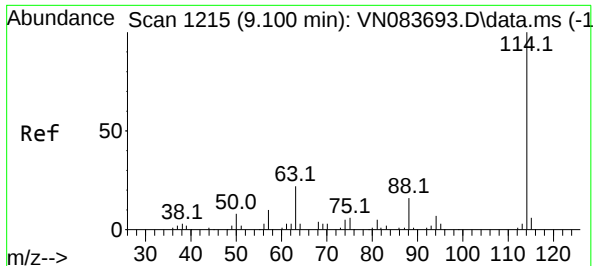
Tgt Ion: 96 Resp: 588
 Ion Ratio Lower Upper
 96 100
 61 129.8 113.5 170.3
 98 38.3 52.0 78.0#



#27
 1,2-Dichloroethane-d4
 Concen: 28.094 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084193.D
 Acq: 26 Sep 2024 21:52

Tgt Ion: 65 Resp: 63848
 Ion Ratio Lower Upper
 65 100
 67 50.8 43.2 64.8

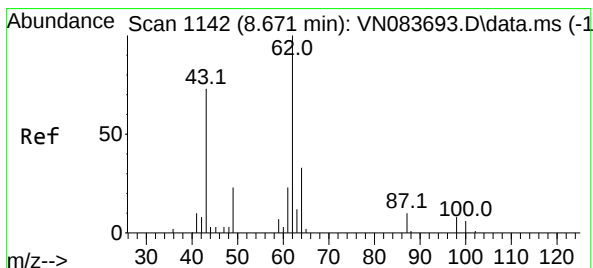
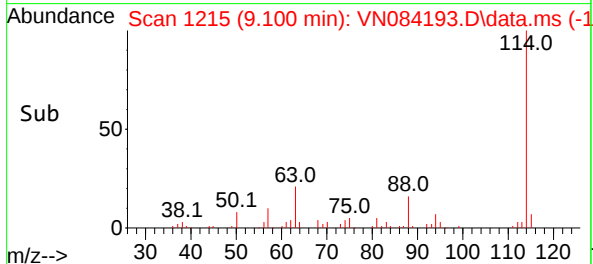
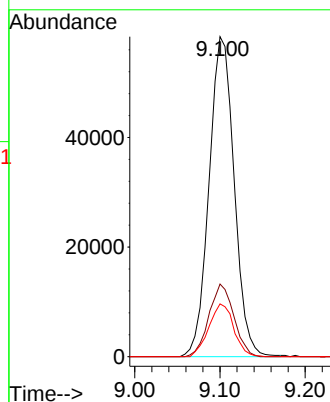
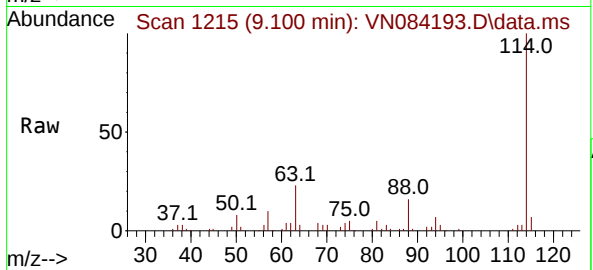




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

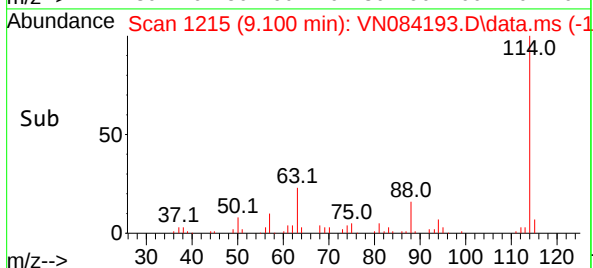
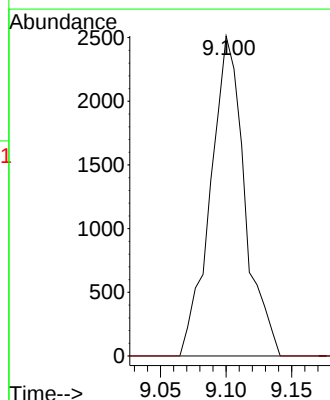
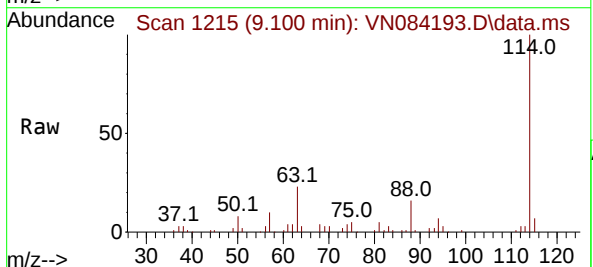
Instrument :
MSVOA_N
ClientSampleId :

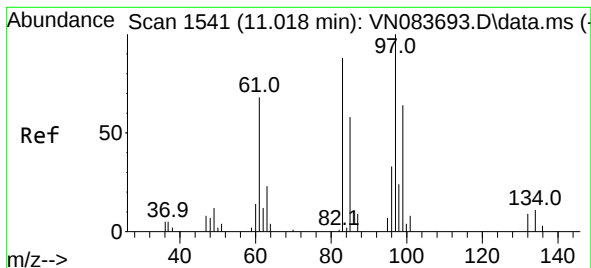
Tgt Ion:114 Resp: 119767
Ion Ratio Lower Upper
114 100
63 22.5 15.9 23.9
88 16.4 12.7 19.1



#36
1,2-Dichloroethane
Concen: 2.128 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

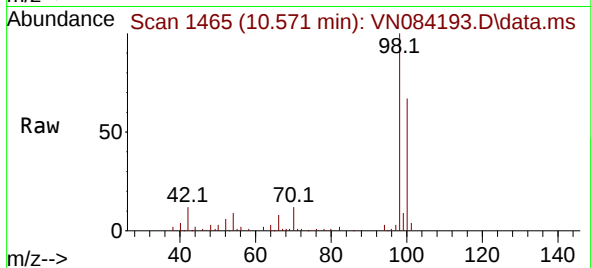
Tgt Ion: 62 Resp: 4559
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



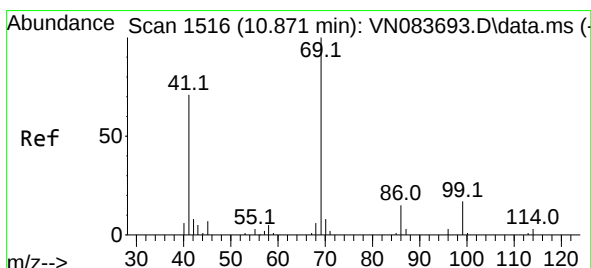
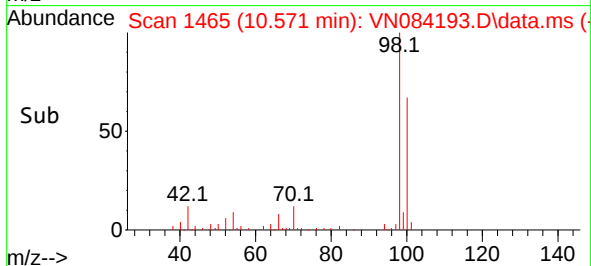
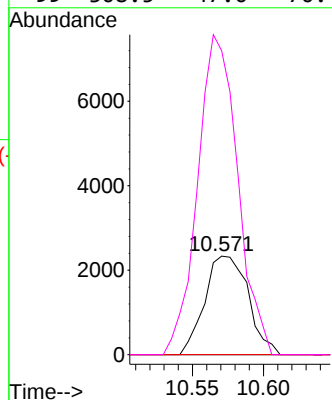


#50
1,1,2-Trichloroethane
Concen: 3.896 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

Instrument :
MSVOA_N
ClientSampleId :

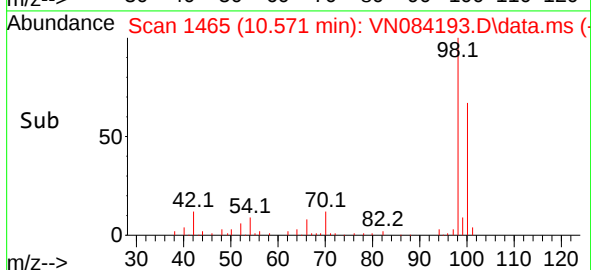
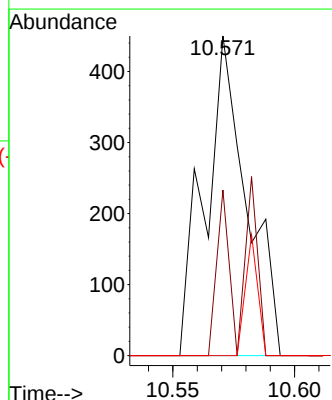
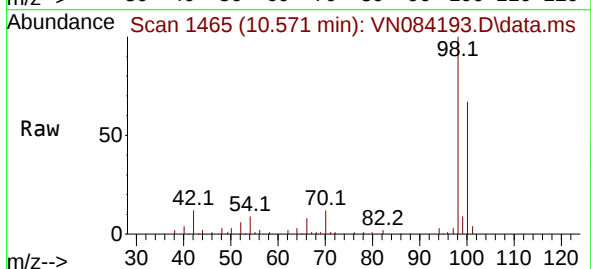


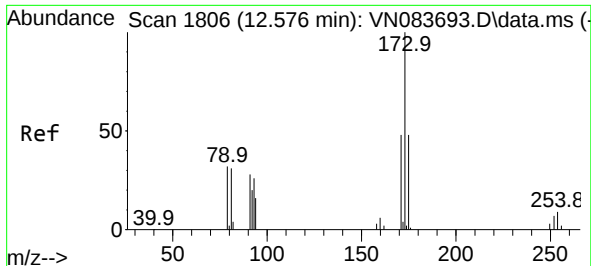
Tgt Ion: 97 Resp: 4972
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 308.5 47.0 70.4#



#51
Ethyl methacrylate
Concen: 0.247 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

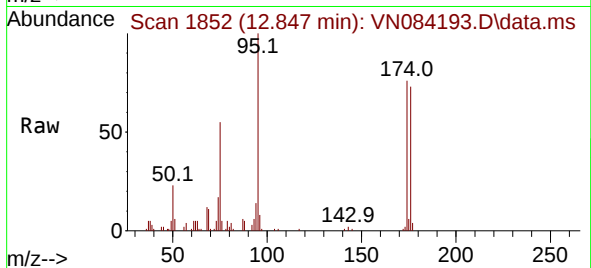
Tgt Ion: 69 Resp: 538
Ion Ratio Lower Upper
69 100
41 51.8 25.5 76.5
39 0.0 16.0 47.9#



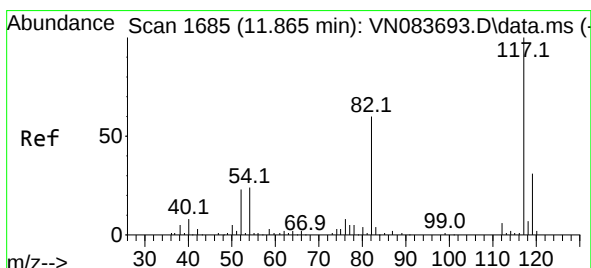
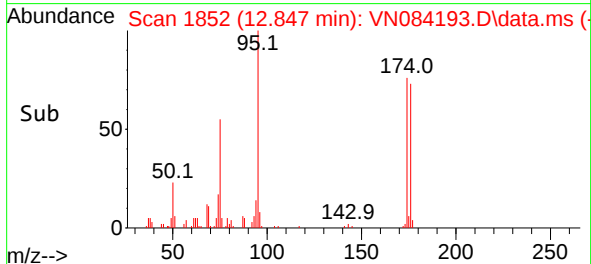
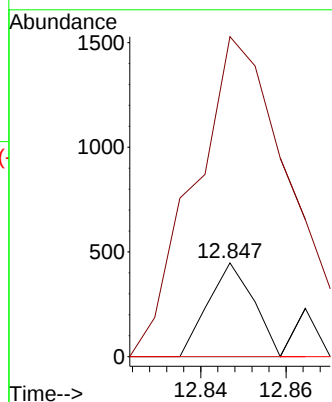


#56
Bromoform
Concen: 0.341 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

Instrument :
MSVOA_N
ClientSampleId :

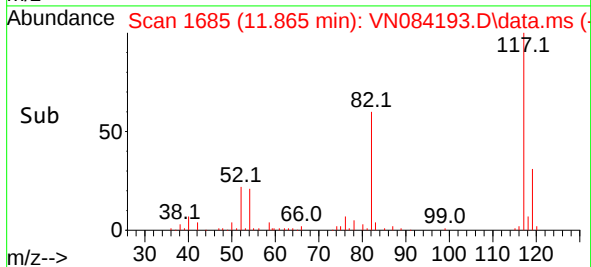
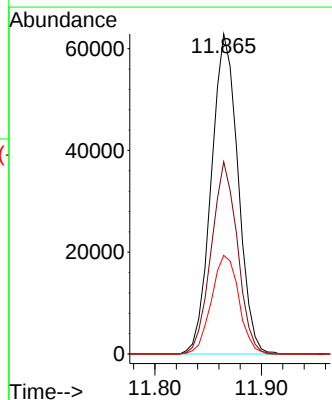
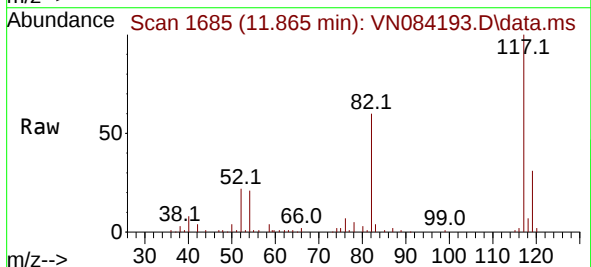


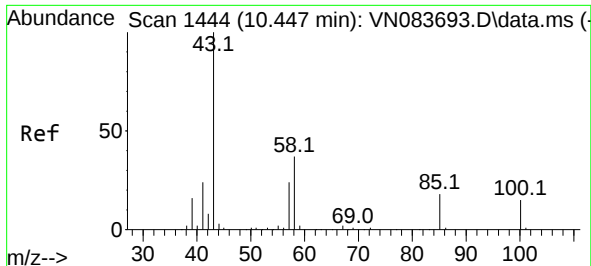
Tgt Ion:173 Resp: 332
Ion Ratio Lower Upper
173 100
175 707.8 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

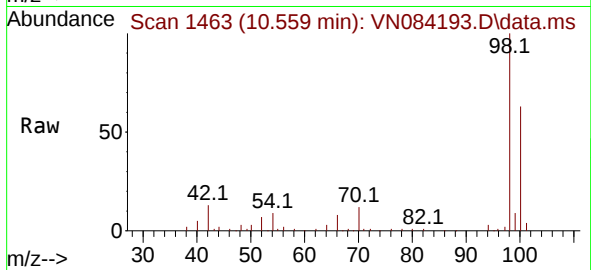
Tgt Ion:117 Resp: 109566
Ion Ratio Lower Upper
117 100
82 58.7 46.6 69.8
119 31.6 25.4 38.2



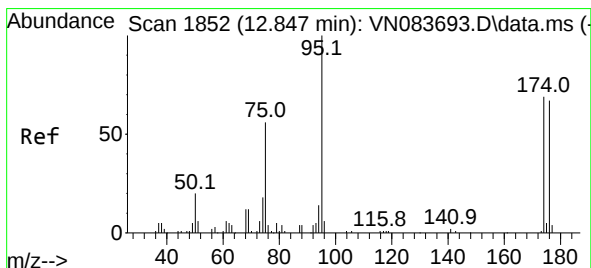
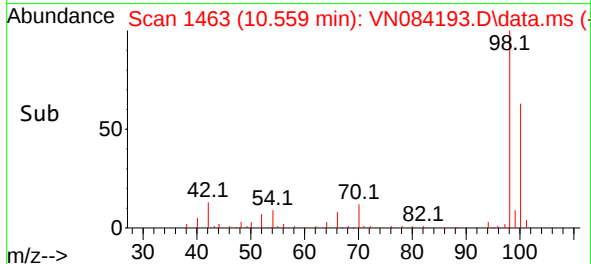
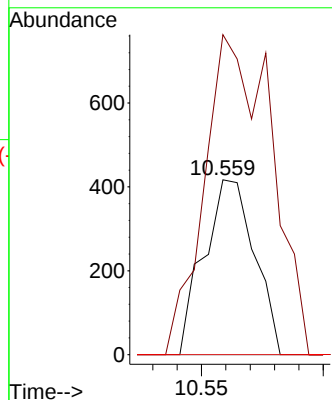


#58
4-Methyl-2-Pentanone
Concen: 0.347 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

Instrument :
MSVOA_N
ClientSampleId :

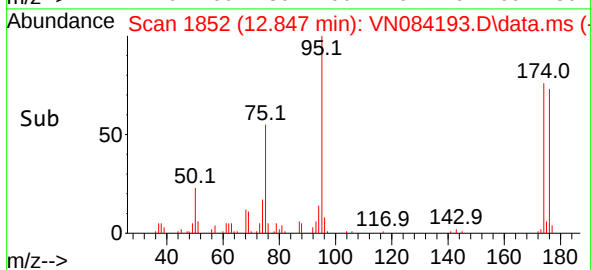
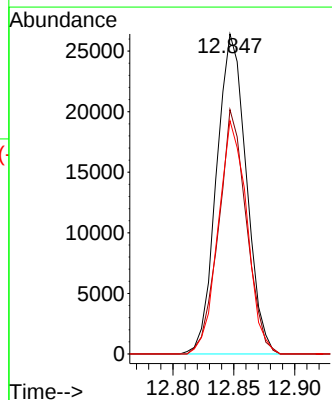
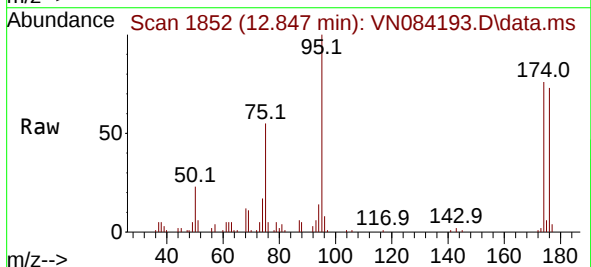


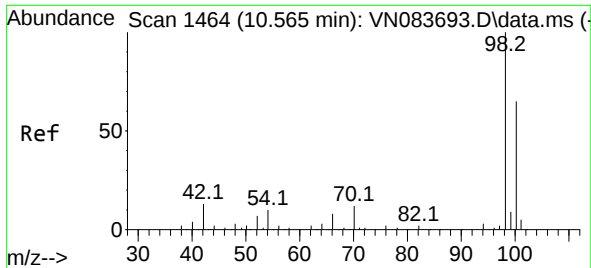
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
58 168.5 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 23.816 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

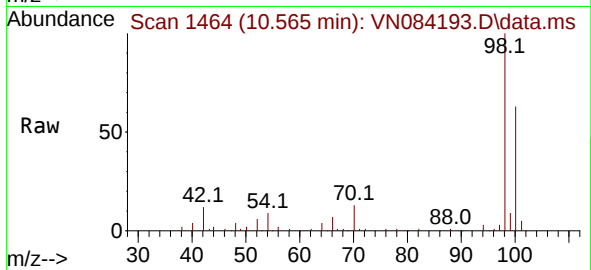
Tgt Ion: 95 Resp: 44973
Ion Ratio Lower Upper
95 100
174 71.4 60.5 90.7
176 70.2 57.8 86.6



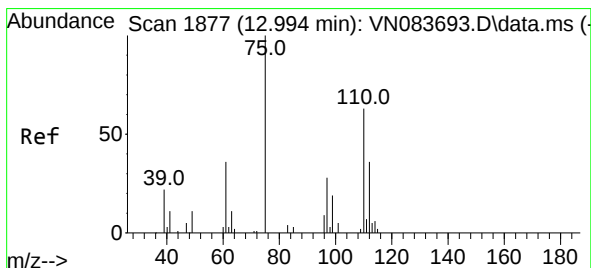
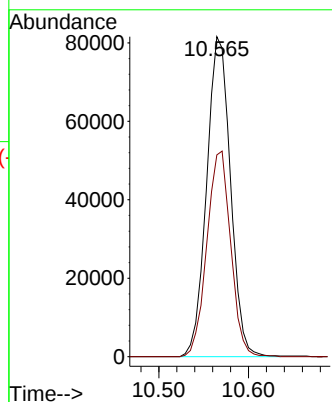
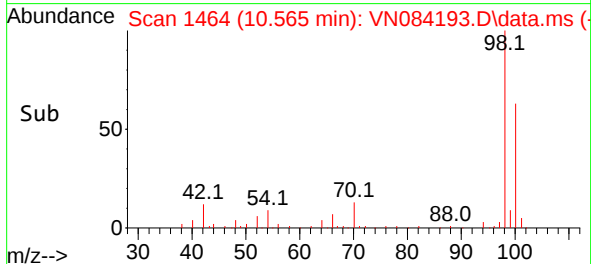


#63
Toluene-d8
Concen: 29.667 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

Instrument :
MSVOA_N
ClientSampleId :

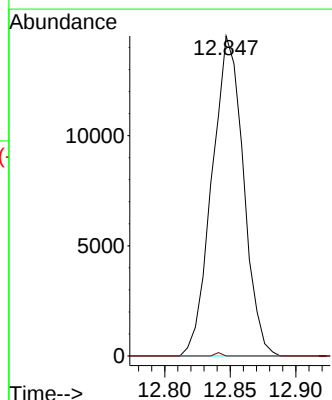
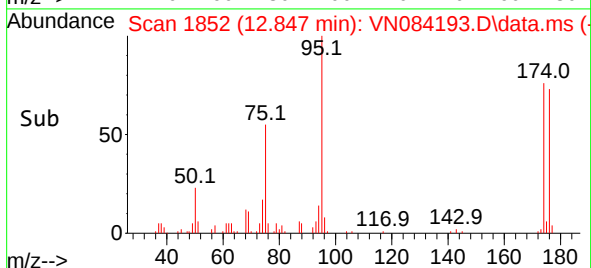
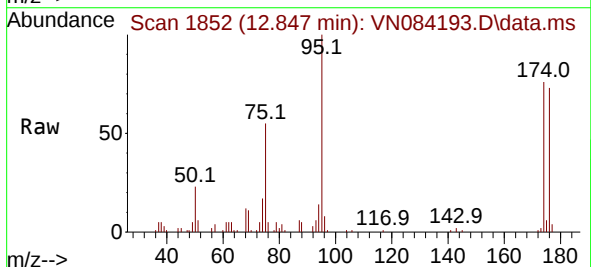


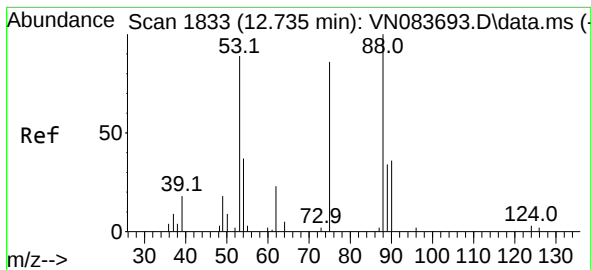
Tgt Ion: 98 Resp: 150509
Ion Ratio Lower Upper
98 100
100 64.1 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.014 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084193.D
Acq: 26 Sep 2024 21:52

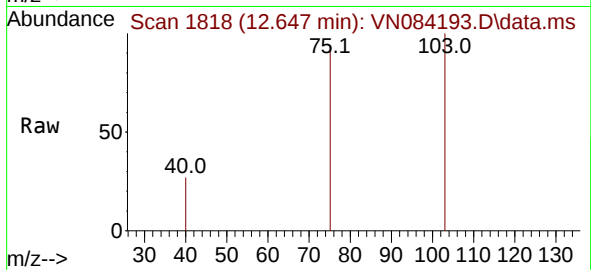
Tgt Ion: 75 Resp: 24195
Ion Ratio Lower Upper
75 100
77 0.0 0.0 367.6



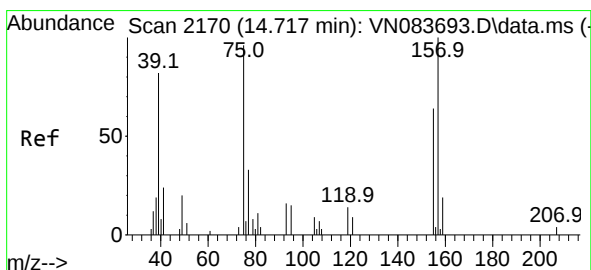
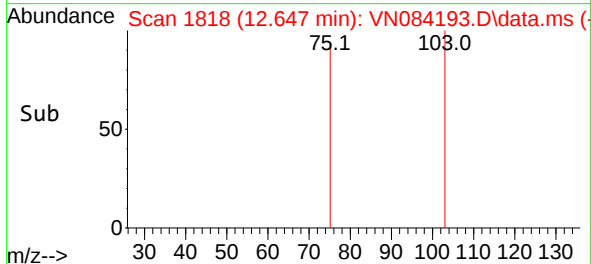
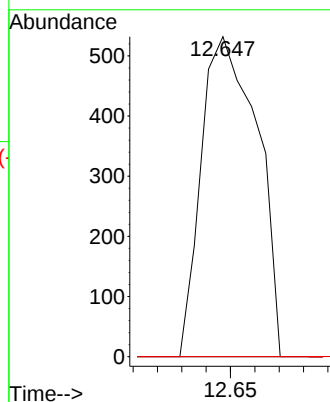


#77
 t-1,4-Dichloro-2-butene
 Concen: 1.246 ug/l
 RT: 12.647 min Scan# 11
 Delta R.T. -0.088 min
 Lab File: VN084193.D
 Acq: 26 Sep 2024 21:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 849
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.319 ug/l
 RT: 14.276 min Scan# 2095
 Delta R.T. -0.441 min
 Lab File: VN084193.D
 Acq: 26 Sep 2024 21:52

Tgt Ion: 75 Resp: 129
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.7 92.5#
 157 0.0 83.6 125.4#

