

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084313.D
 Acq On : 04 Oct 2024 13:57
 Operator : JC\MD
 Sample : P4262-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 22:58:39 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)

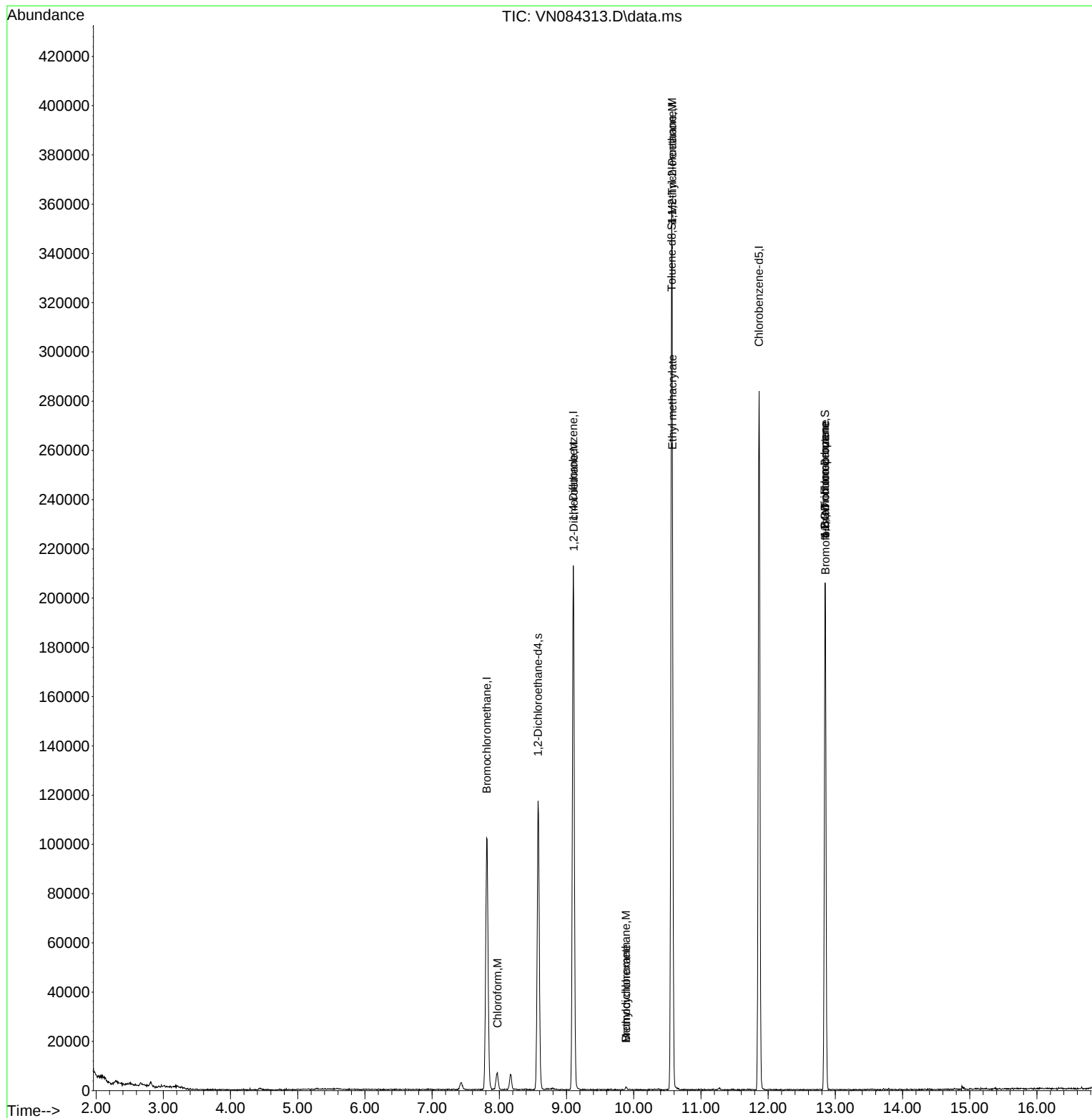
Internal Standards						
1) Bromochloromethane	7.812	128	36048	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	178603	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	164534	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	95402	28.953	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.500%
60) 4-Bromofluorobenzene	12.847	95	72734	25.649	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.500%
63) Toluene-d8	10.565	98	246546	32.361	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.867%
Target Compounds						
					Qvalue	
25) Chloroform	7.971	83	7422	1.546	ug/l	92
36) 1,2-Dichloroethane	9.106	62	6385	1.998	ug/l #	72
38) Methylcyclohexane	9.888	83	849	0.250	ug/l #	19
41) Bromodichloromethane	9.883	83	945	0.297	ug/l #	96
50) 1,1,2-Trichloroethane	10.571	97	8419	4.423	ug/l #	1
51) Ethyl methacrylate	10.577	69	742	0.228	ug/l #	66
56) Bromoform	12.853	173	581	0.401	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	1009	0.387	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	38105	15.746	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	38105	37.252	ug/l #	12

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

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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

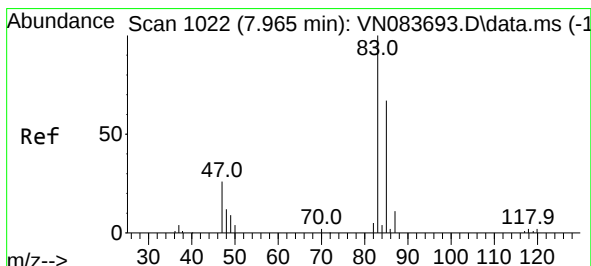
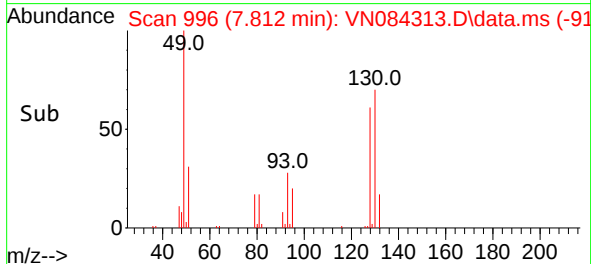
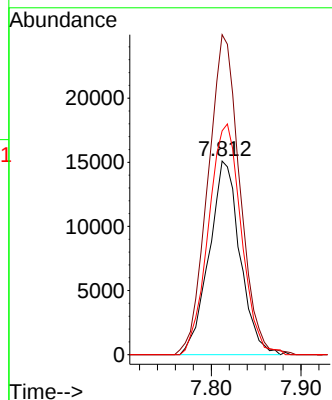
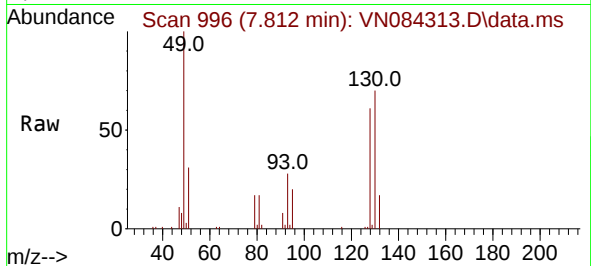




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

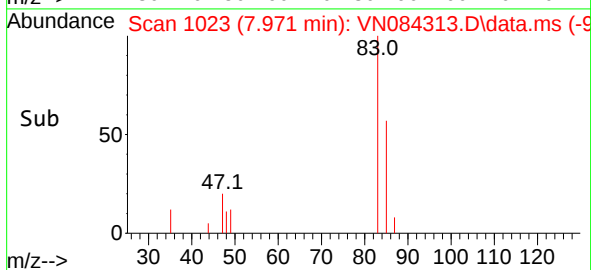
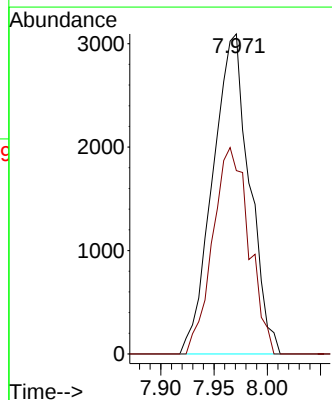
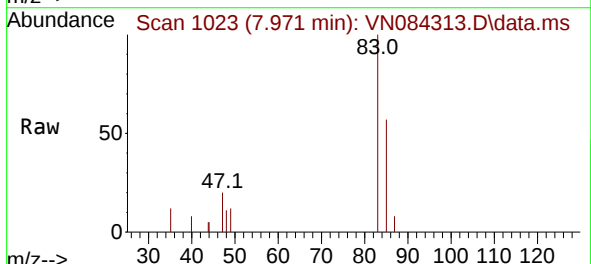
Instrument :
MSVOA_N
ClientSampleId :

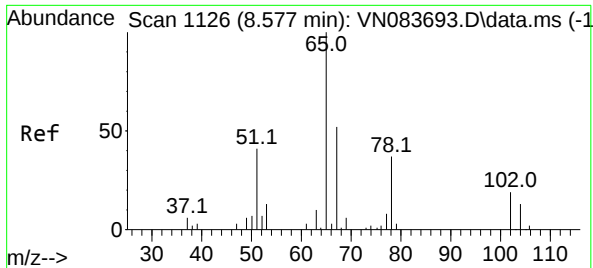
Tgt Ion:128 Resp: 36048
Ion Ratio Lower Upper
128 100
49 171.0 0.0 403.7
130 126.9 0.0 323.3



#25
Chloroform
Concen: 1.546 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

Tgt Ion: 83 Resp: 7422
Ion Ratio Lower Upper
83 100
85 57.3 50.9 76.3

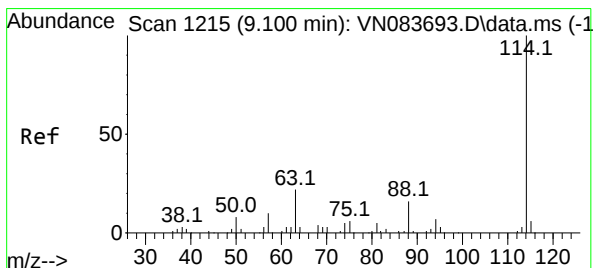
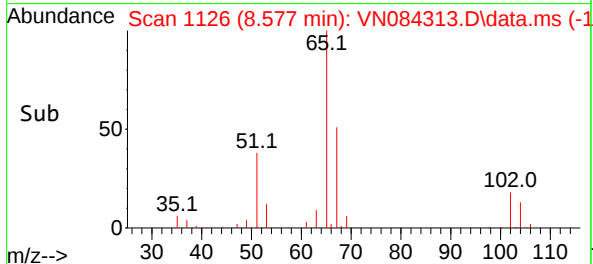
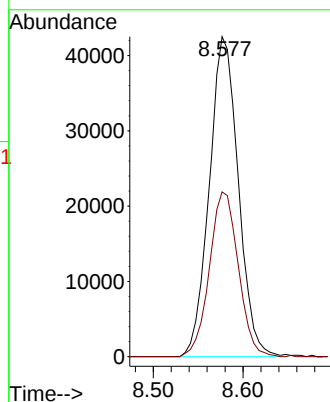
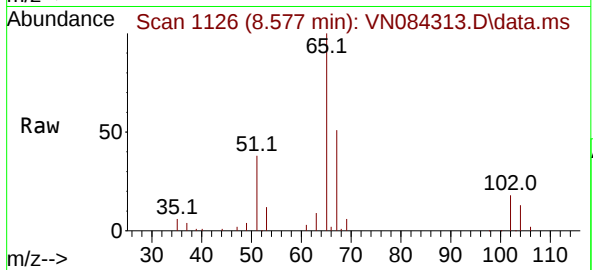




#27
1,2-Dichloroethane-d4
Concen: 28.953 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

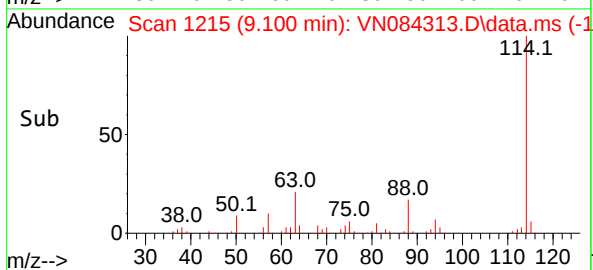
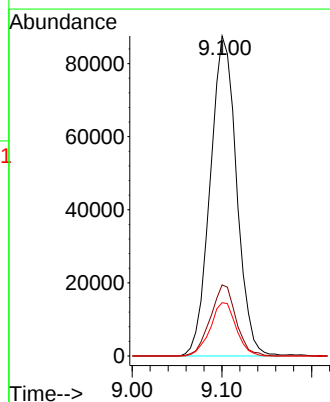
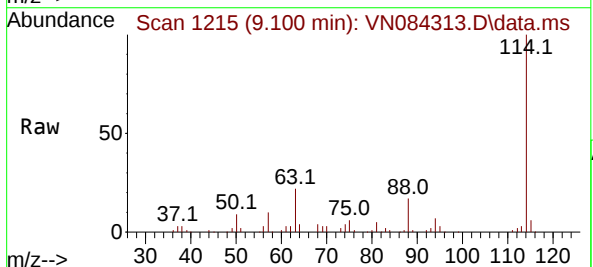
Instrument :
MSVOA_N
ClientSampleId :

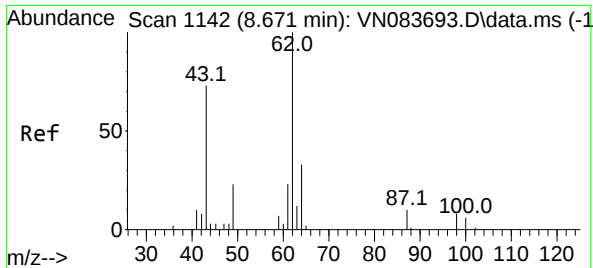
Tgt Ion: 65 Resp: 95402
Ion Ratio Lower Upper
65 100
67 51.2 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

Tgt Ion: 114 Resp: 178603
Ion Ratio Lower Upper
114 100
63 21.6 15.9 23.9
88 16.3 12.7 19.1

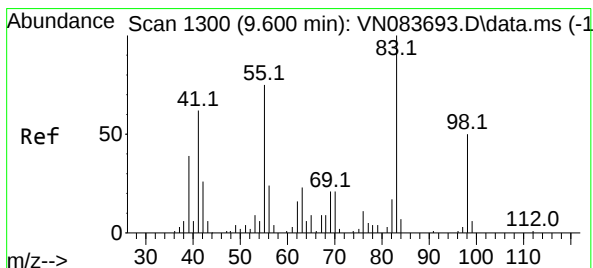
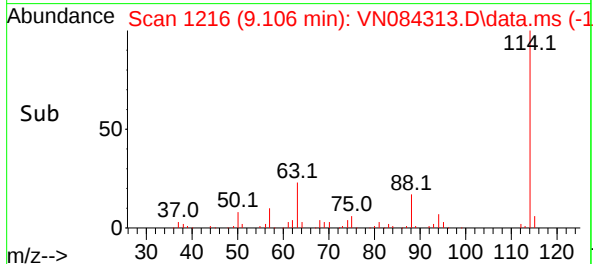
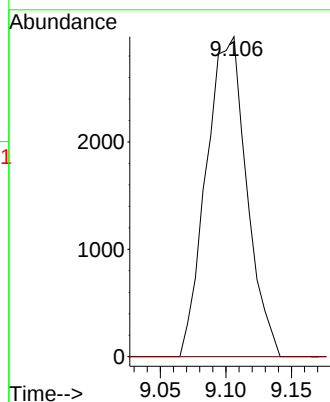
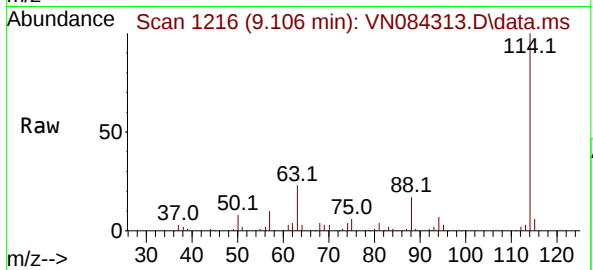




#36
1,2-Dichloroethane
Concen: 1.998 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.435 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

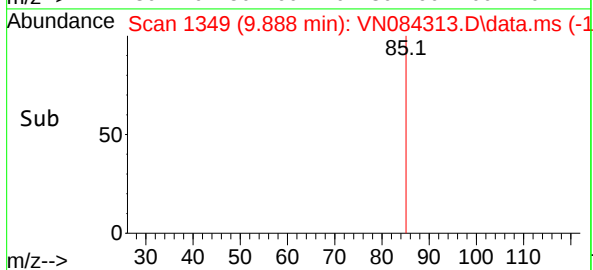
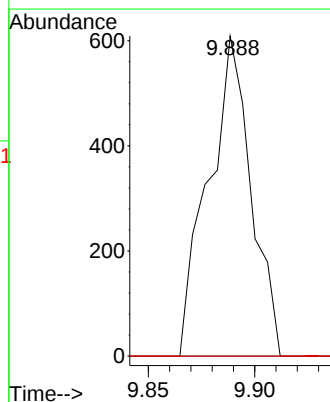
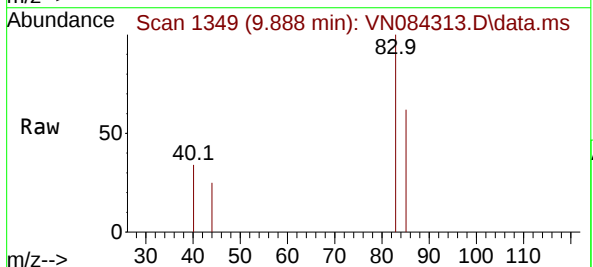
Instrument :
MSVOA_N
ClientSampleId :

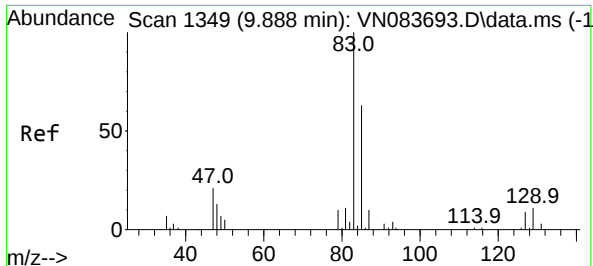
Tgt Ion: 62 Resp: 6385
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#38
Methylcyclohexane
Concen: 0.250 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.288 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

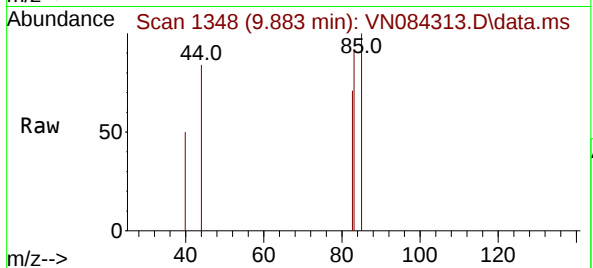
Tgt Ion: 83 Resp: 849
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#



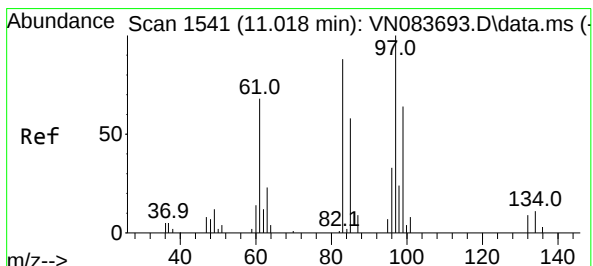
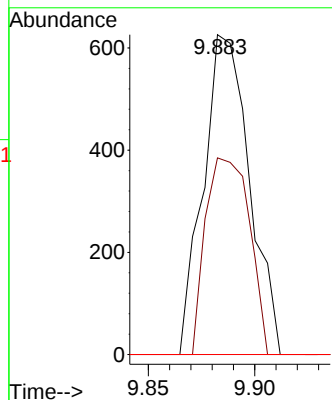
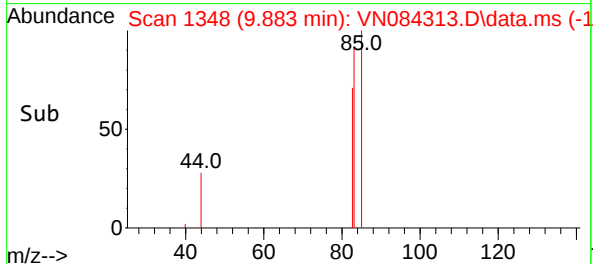


#41
Bromodichloromethane
Concen: 0.297 ug/l
RT: 9.883 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

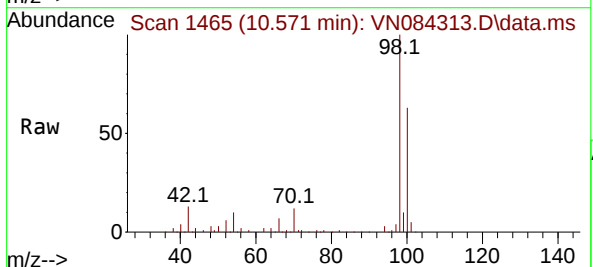
Instrument :
MSVOA_N
ClientSampleId :



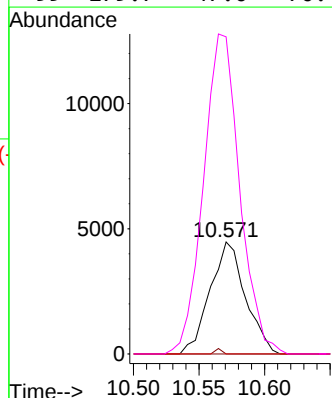
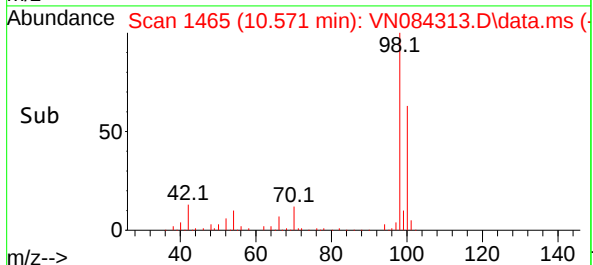
Tgt Ion: 83 Resp: 945
Ion Ratio Lower Upper
83 100
85 61.5 49.4 74.2
127 0.0 7.3 10.9#

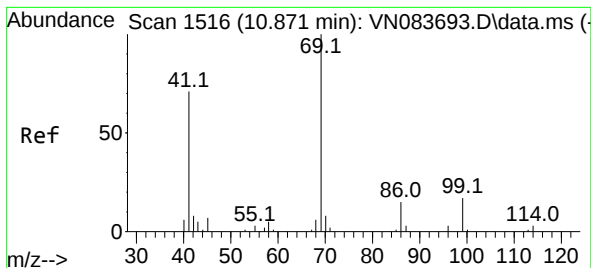


#50
1,1,2-Trichloroethane
Concen: 4.423 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57



Tgt Ion: 97 Resp: 8419
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 279.7 47.0 70.4#





#51

Ethyl methacrylate

Concen: 0.228 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.294 min

Lab File: VN084313.D

Acq: 04 Oct 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

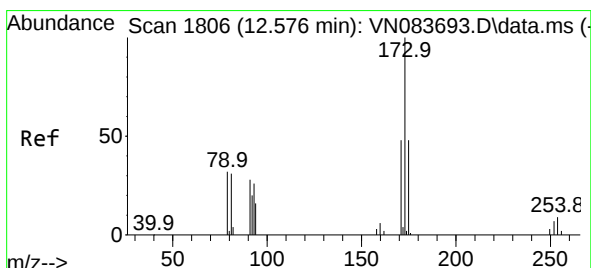
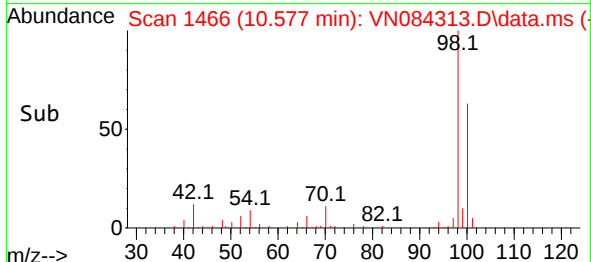
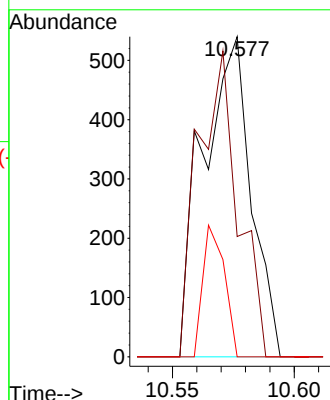
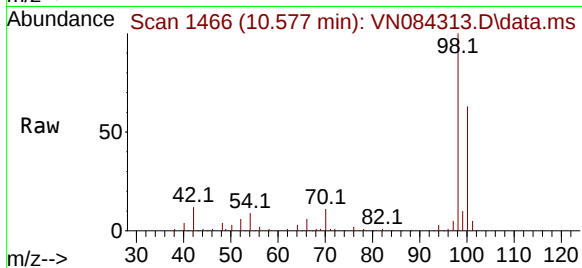
Tgt Ion: 69 Resp: 742

Ion Ratio Lower Upper

69 100

41 37.6 25.5 76.5

39 0.0 16.0 47.9#



#56

Bromoform

Concen: 0.401 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.277 min

Lab File: VN084313.D

Acq: 04 Oct 2024 13:57

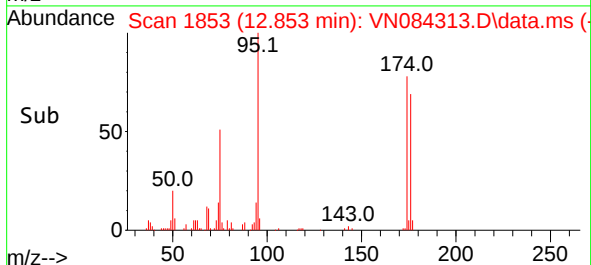
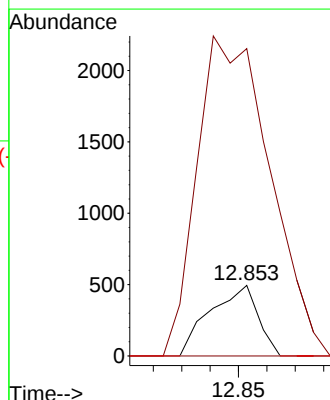
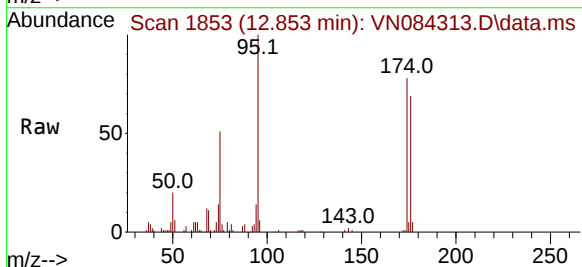
Tgt Ion:173 Resp: 581

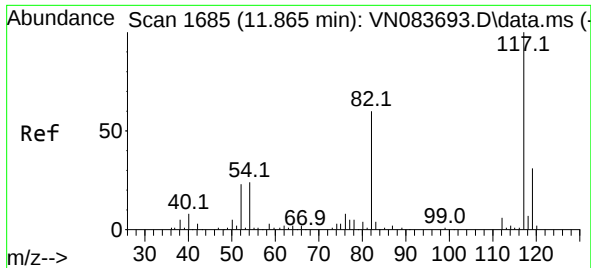
Ion Ratio Lower Upper

173 100

175 688.5 40.0 60.0#

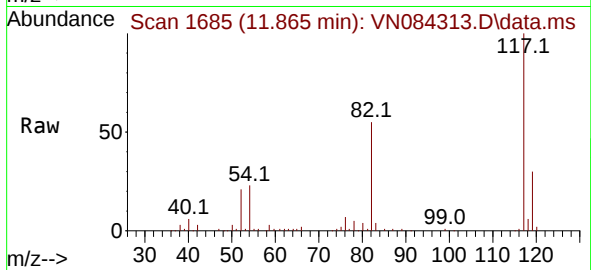
254 0.0 8.3 12.5#



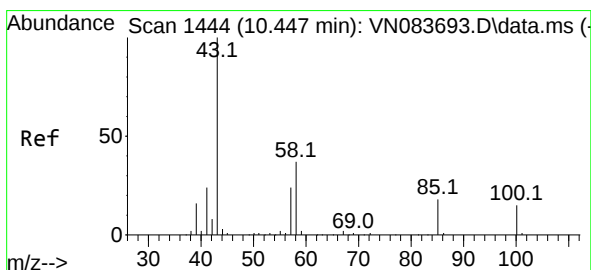
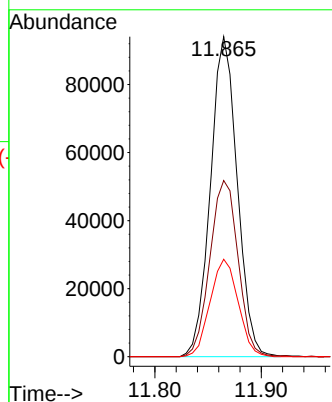
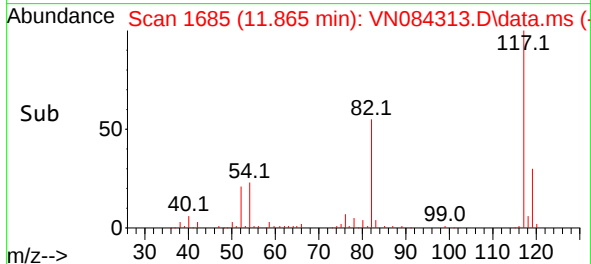


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

Instrument :
MSVOA_N
ClientSampleId :

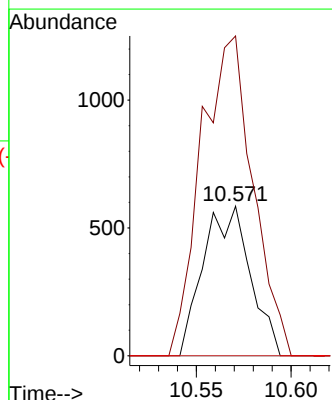
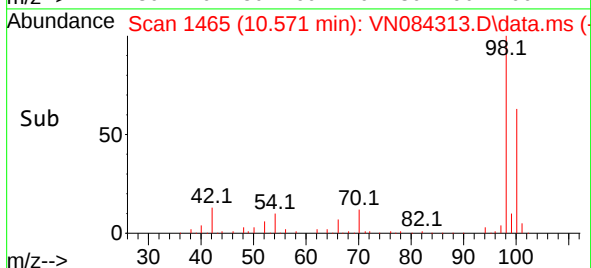
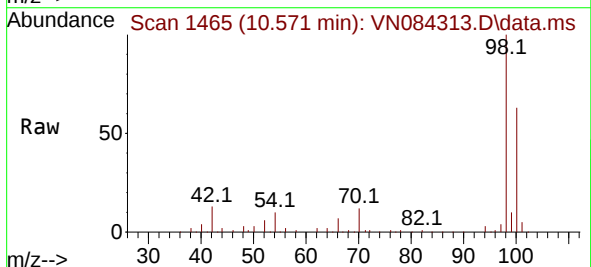


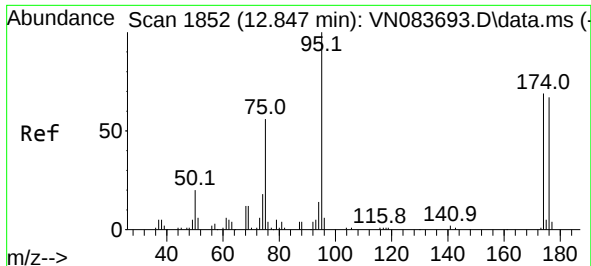
Tgt Ion:117 Resp: 164534
Ion Ratio Lower Upper
117 100
82 57.8 46.6 69.8
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.387 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
58 235.9 36.5 54.7#
85 0.0 19.5 29.3#

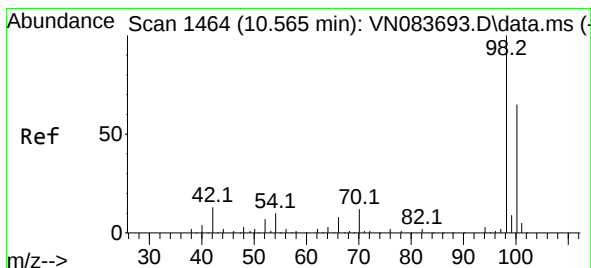
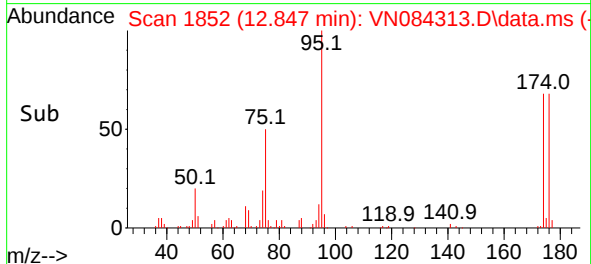
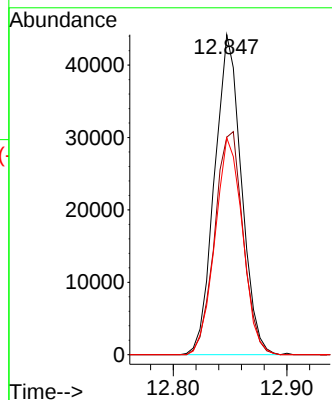
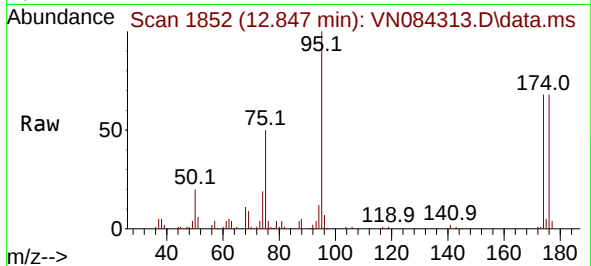




#60
4-Bromofluorobenzene
Concen: 25.649 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

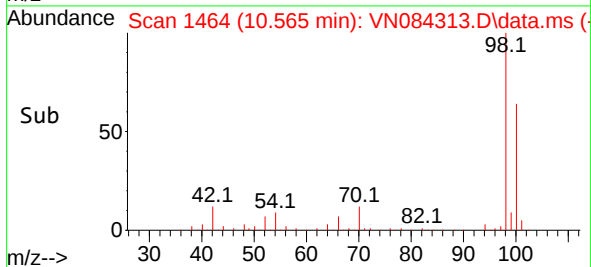
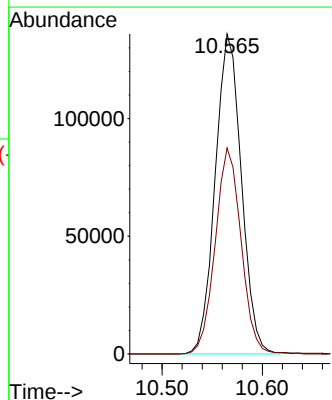
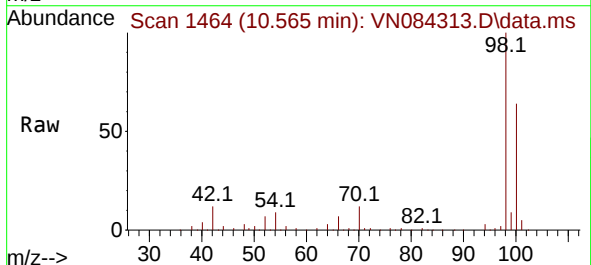
Instrument :
MSVOA_N
ClientSampleId :

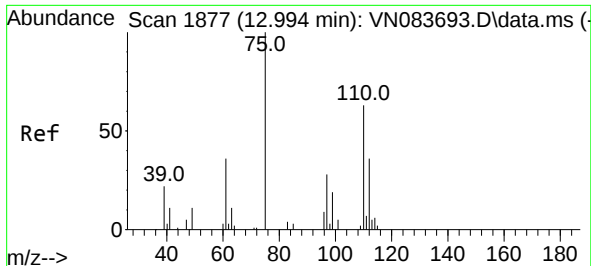
Tgt Ion: 95 Resp: 72734
Ion Ratio Lower Upper
95 100
174 73.6 60.5 90.7
176 69.7 57.8 86.6



#63
Toluene-d8
Concen: 32.361 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

Tgt Ion: 98 Resp: 246546
Ion Ratio Lower Upper
98 100
100 63.6 52.7 79.1

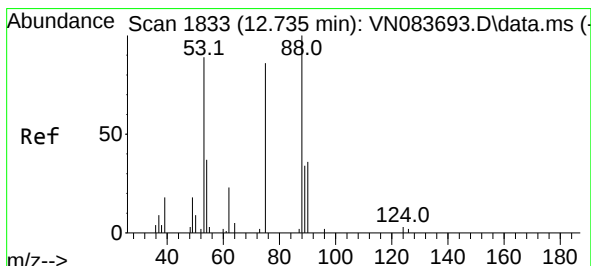
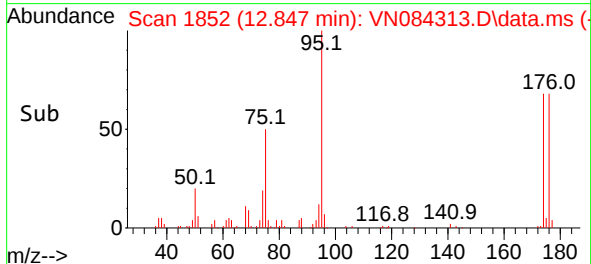
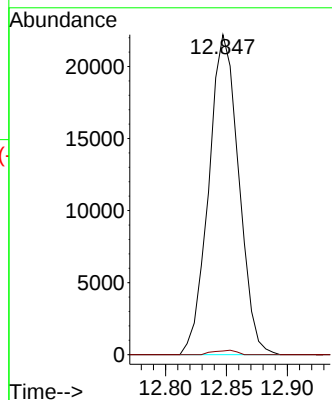
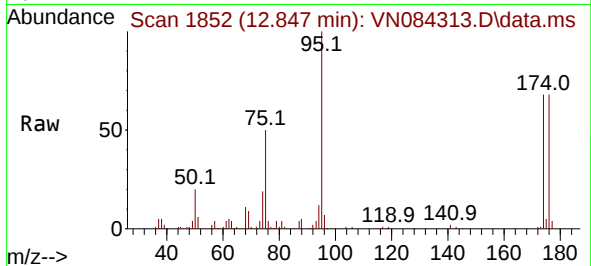




#72
1,2,3-Trichloropropane
Concen: 15.746 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 38105
Ion Ratio Lower Upper
75 100
77 1.1 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 37.252 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084313.D
Acq: 04 Oct 2024 13:57

Tgt Ion: 75 Resp: 38105
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

