

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
 Data File : VN085213.D
 Acq On : 16 Dec 2024 12:45
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 17 02:00:36 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)

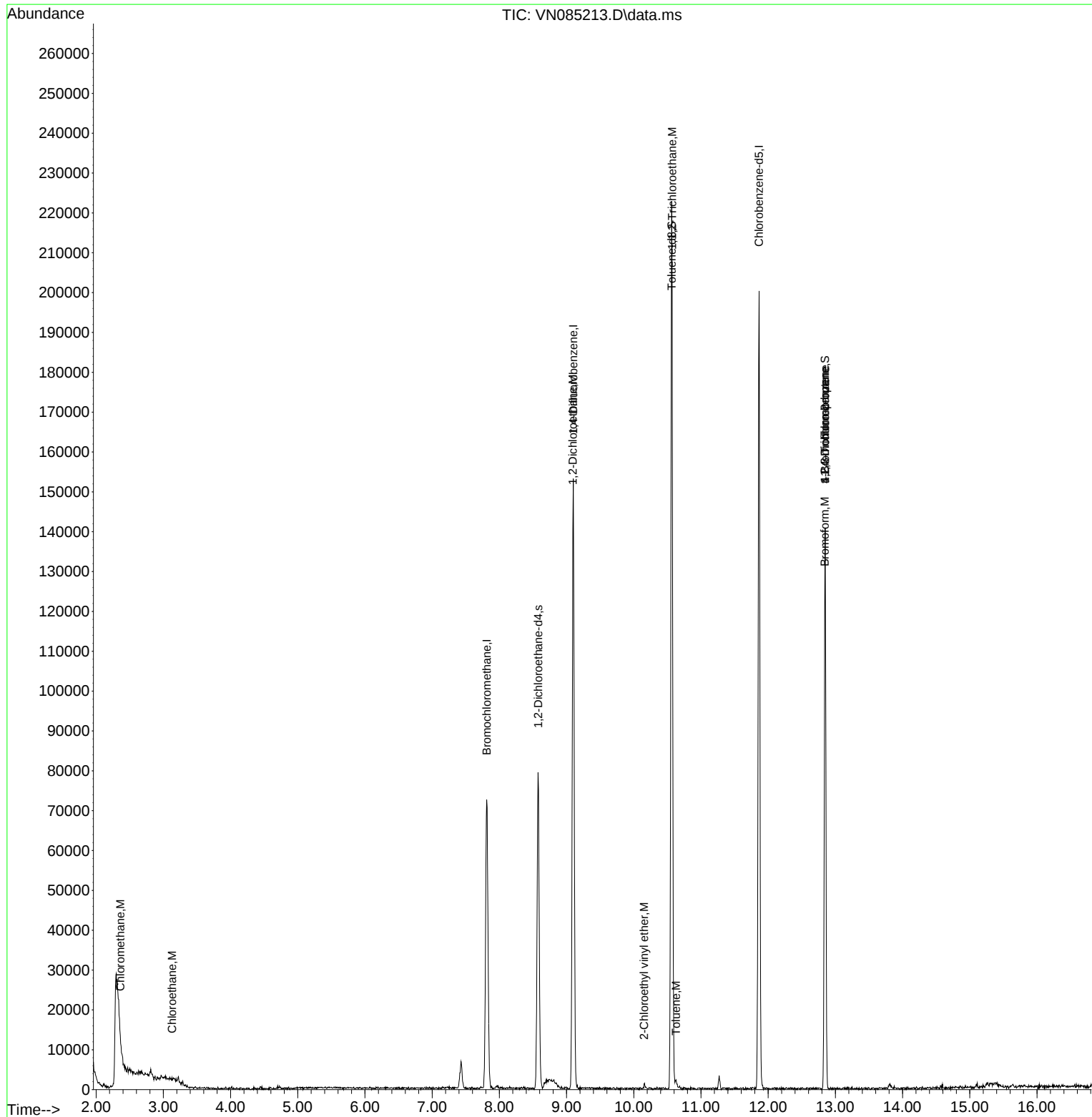
Internal Standards						
1) Bromochloromethane	7.812	128	26106	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	129258	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	116508	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	65361	31.554	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.167%
60) 4-Bromofluorobenzene	12.847	95	47939	24.868	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.900%
63) Toluene-d8	10.565	98	152219	27.853	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.833%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1107	0.599	ug/l #	59
6) Chloroethane	3.130	64	320	0.275	ug/l #	43
36) 1,2-Dichloroethane	9.094	62	4435	1.988	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	5126	3.342	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.153	63	505	0.466	ug/l #	89
56) Bromoform	12.841	173	422	0.337	ug/l #	1
62) Toluene	10.629	91	1363	0.201	ug/l	97
72) 1,2,3-Trichloropropane	12.847	75	25660	12.705	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	25660	34.964	ug/l #	10

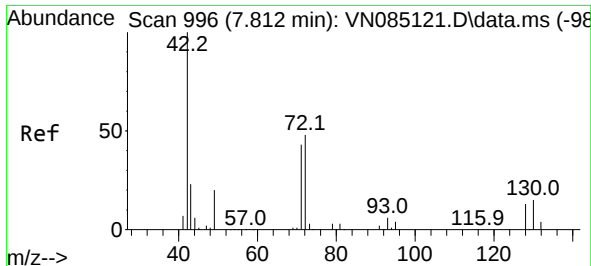
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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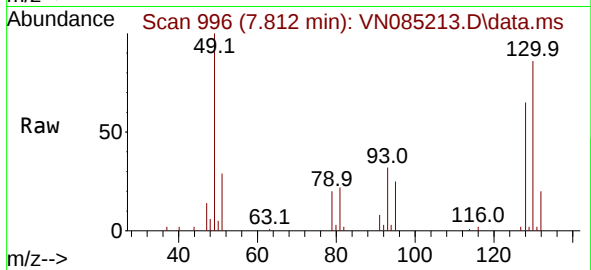
Quant Time: Dec 17 02:00:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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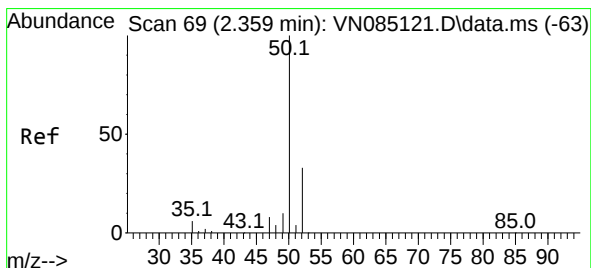
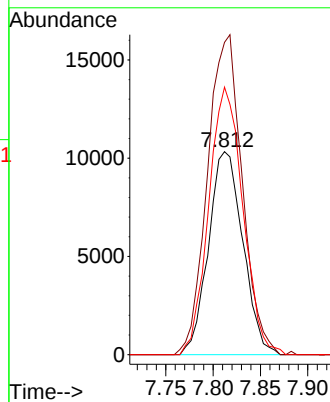
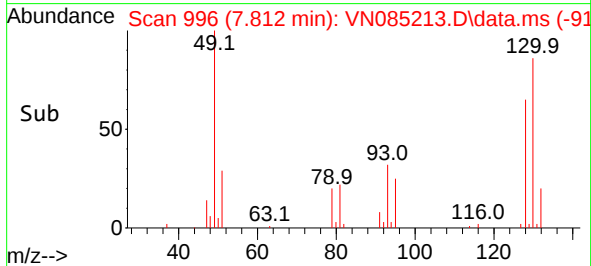


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

Instrument :
MSVOA_N
ClientSampleId :

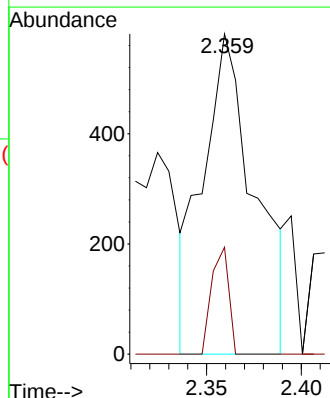
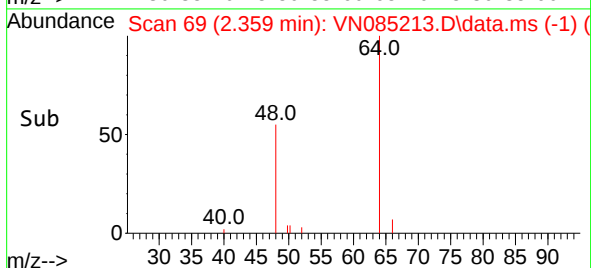
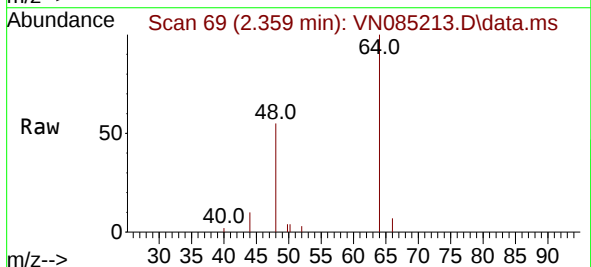


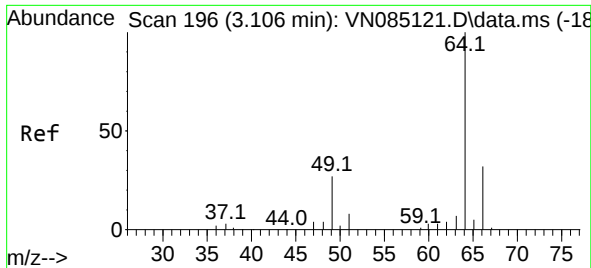
Tgt Ion:128 Resp: 26106
Ion Ratio Lower Upper
128 100
49 159.2 0.0 394.5
130 131.3 0.0 316.5



#3
Chloromethane
Concen: 0.599 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

Tgt Ion: 50 Resp: 1107
Ion Ratio Lower Upper
50 100
52 53.7 25.0 37.4#

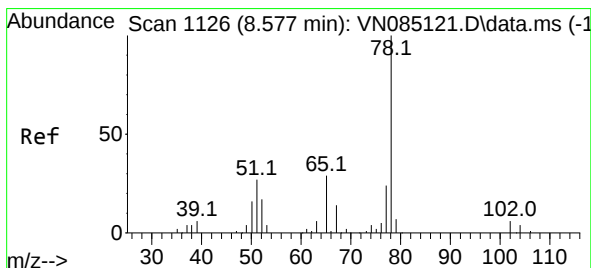
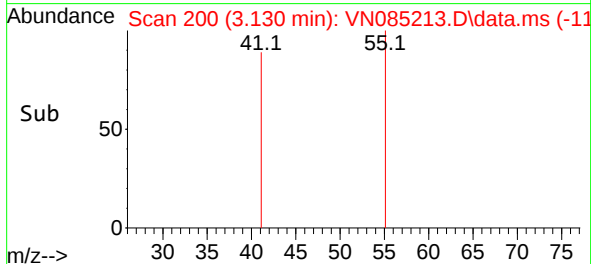
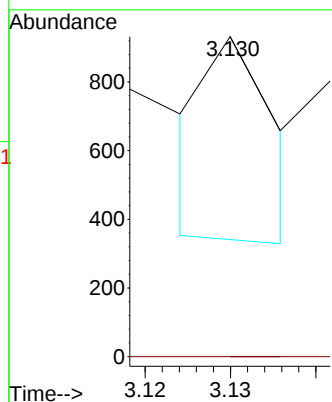
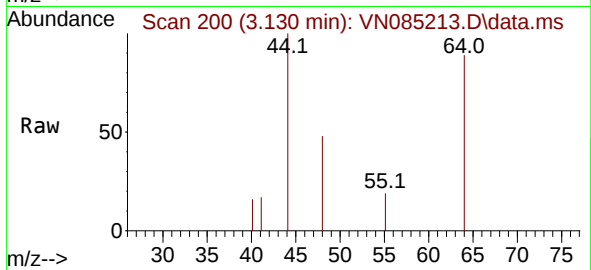




#6
Chloroethane
Concen: 0.275 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

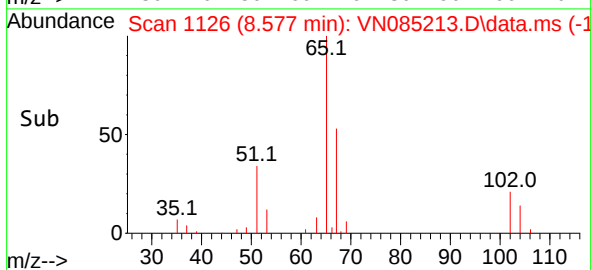
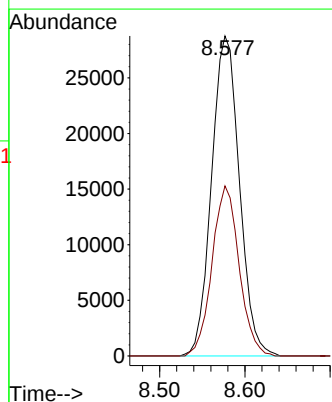
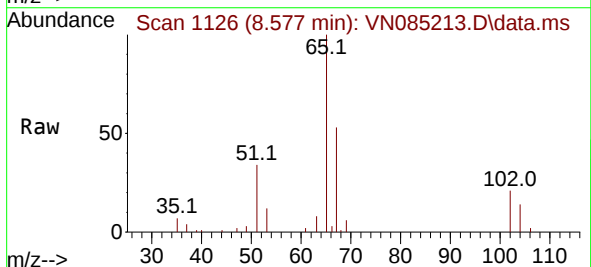
Instrument :
MSVOA_N
ClientSampleId :

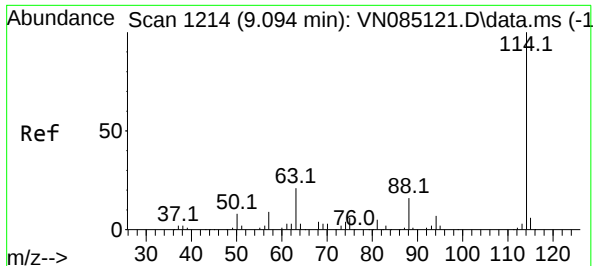
Tgt Ion: 64 Resp: 320
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



#27
1,2-Dichloroethane-d4
Concen: 31.554 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

Tgt Ion: 65 Resp: 65361
Ion Ratio Lower Upper
65 100
67 51.6 39.9 59.9

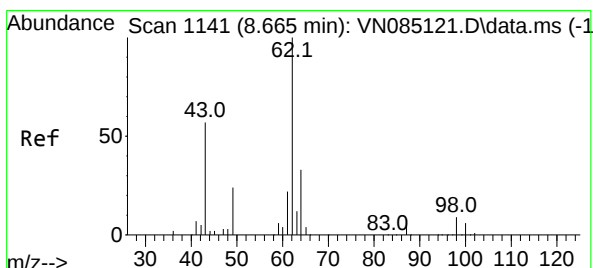
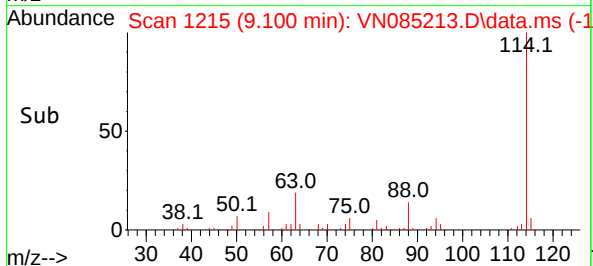
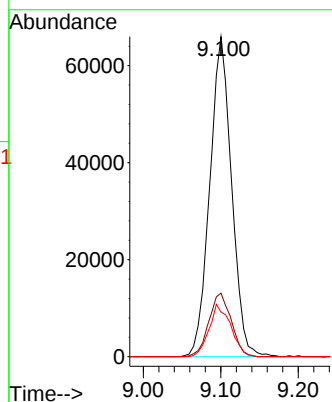
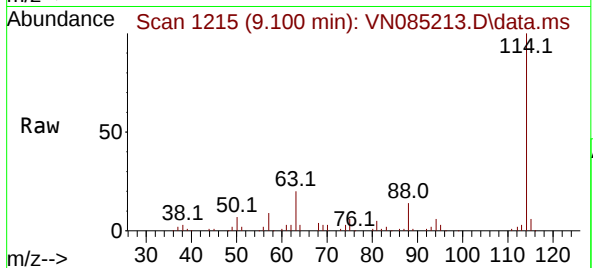




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 114
 Delta R.T. 0.000 min
 Lab File: VN085213.D
 Acq: 16 Dec 2024 12:45

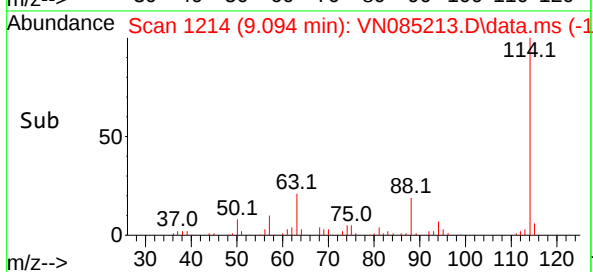
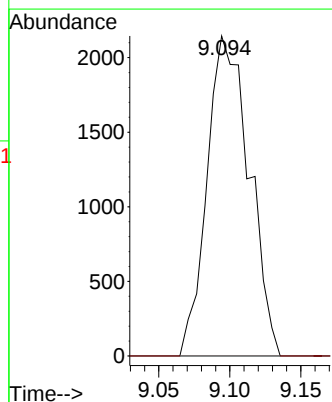
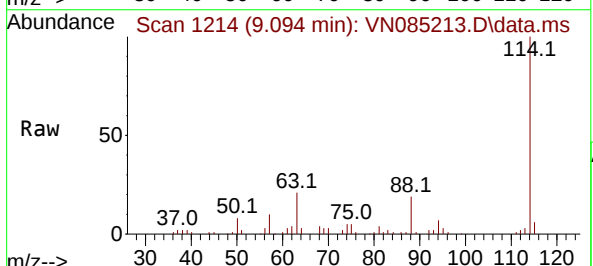
Instrument :
 MSVOA_N
 ClientSampleId :

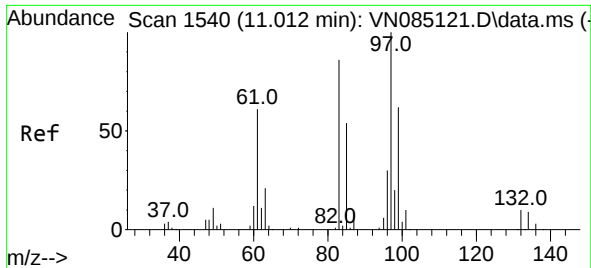
Tgt Ion:114 Resp: 129258
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.2 24.2
 88 16.2 12.5 18.7



#36
 1,2-Dichloroethane
 Concen: 1.988 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. 0.429 min
 Lab File: VN085213.D
 Acq: 16 Dec 2024 12:45

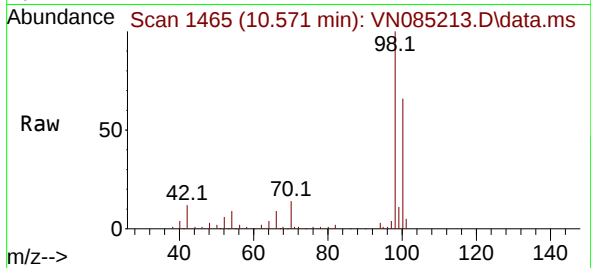
Tgt Ion: 62 Resp: 4435
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#



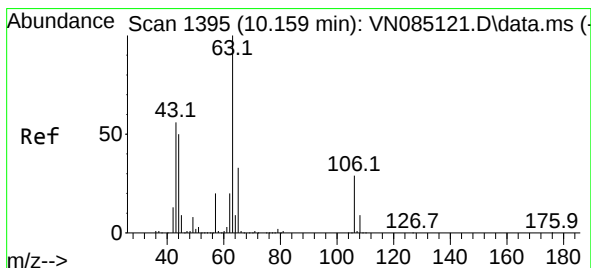
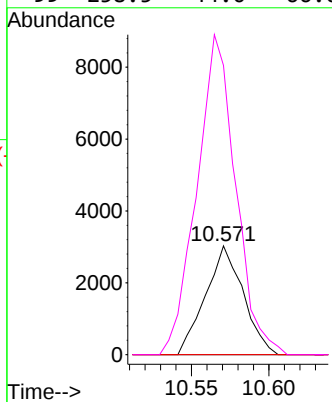
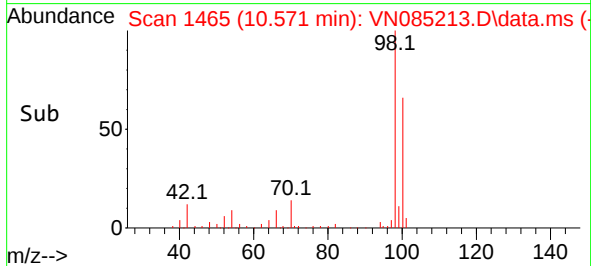


#50
1,1,2-Trichloroethane
Concen: 3.342 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.441 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

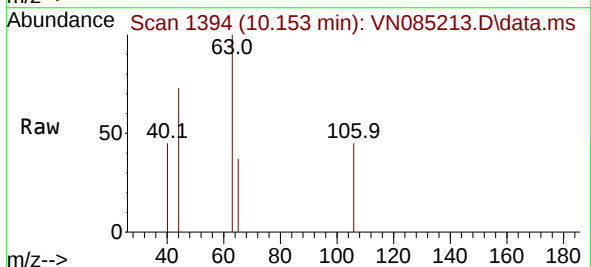
Instrument :
MSVOA_N
ClientSampleId :



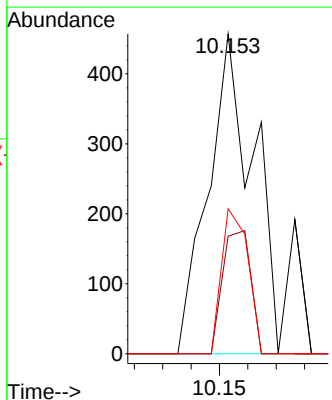
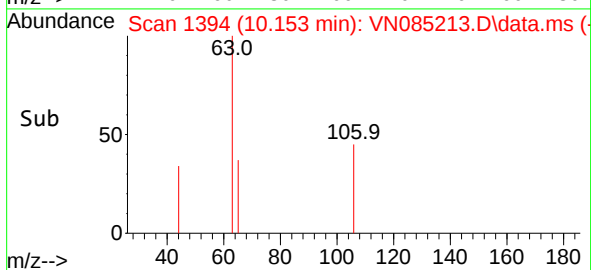
Tgt Ion: 97	Resp: 5126
Ion Ratio	Lower Upper
97 100	
83 0.0	65.8 98.8#
85 0.0	40.8 61.2#
99 258.5	44.0 66.0#

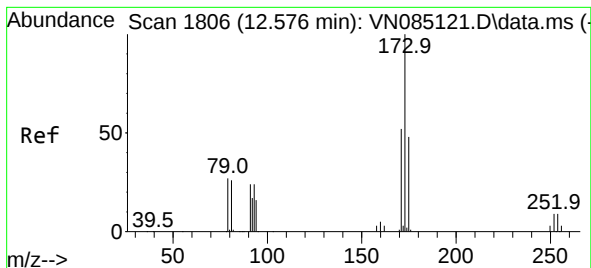


#55
2-Chloroethyl vinyl ether
Concen: 0.466 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45



Tgt Ion: 63	Resp: 505
Ion Ratio	Lower Upper
63 100	
65 24.0	25.9 38.9#
106 26.3	23.5 35.3





#56

Bromoform

Concen: 0.337 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

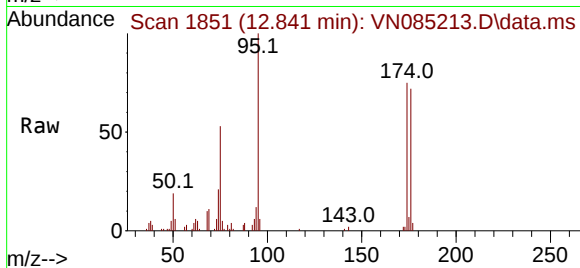
Lab File: VN085213.D

Acq: 16 Dec 2024 12:45

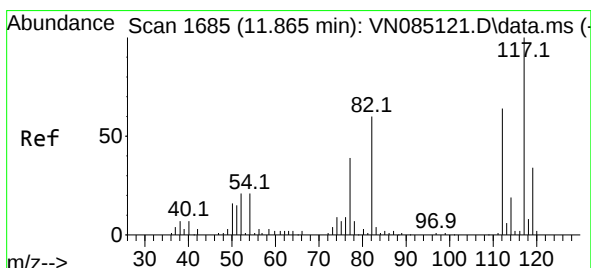
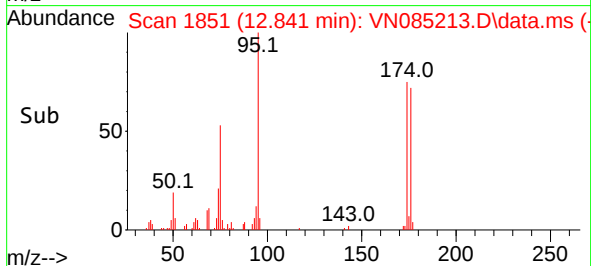
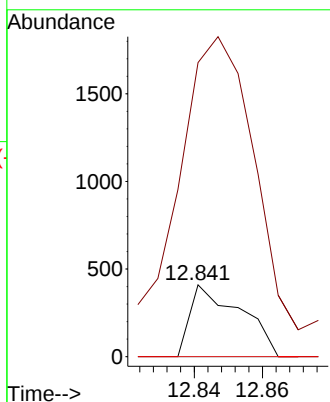
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	422
Ion Ratio	Lower	Upper	
173	100		
175	716.6	40.2	60.2#
254	0.0	6.2	9.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

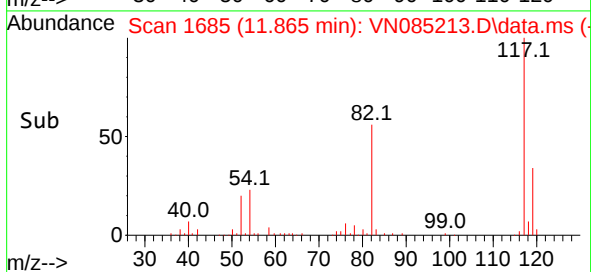
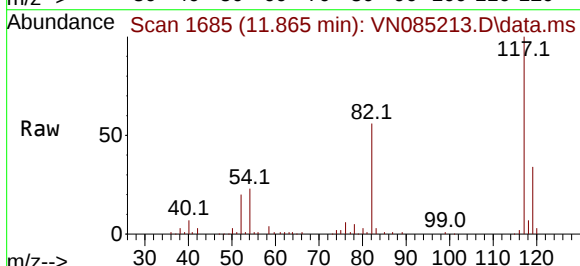
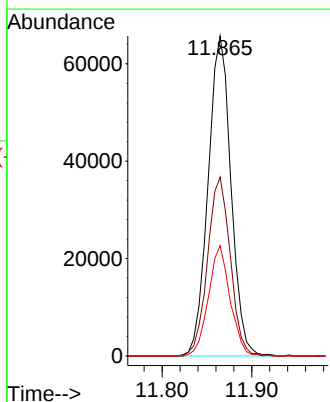
RT: 11.865 min Scan# 1685

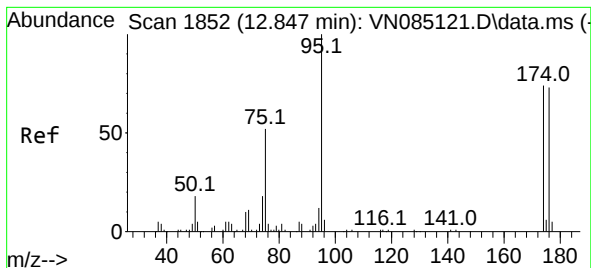
Delta R.T. 0.000 min

Lab File: VN085213.D

Acq: 16 Dec 2024 12:45

Tgt Ion:	117	Resp:	116508
Ion Ratio	Lower	Upper	
117	100		
82	55.4	44.2	66.4
119	32.6	25.4	38.2

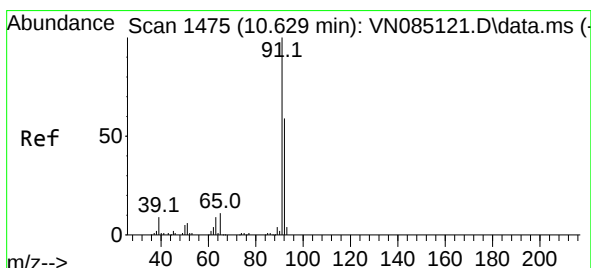
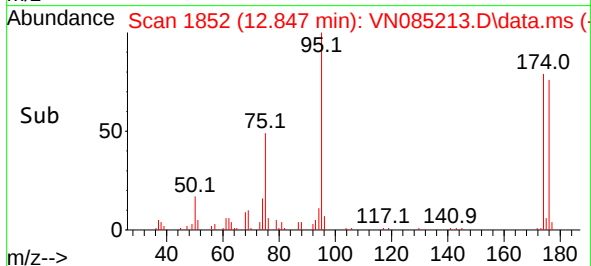
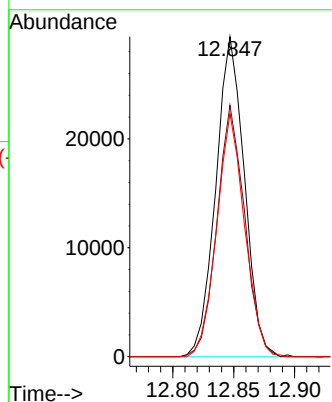
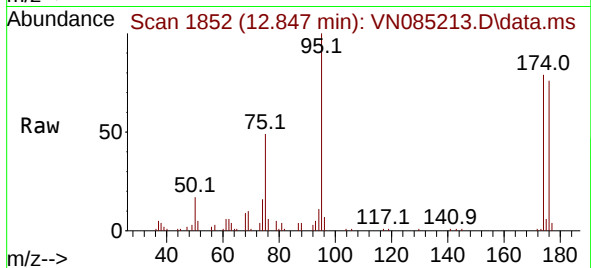




#60
4-Bromofluorobenzene
Concen: 24.868 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

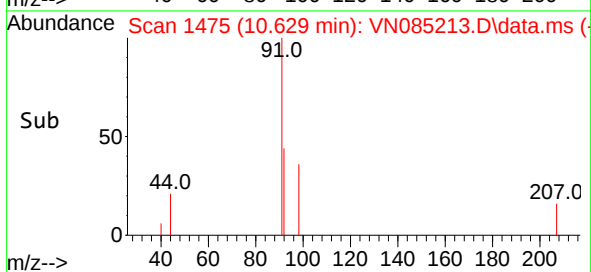
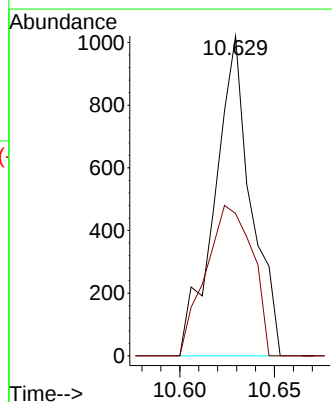
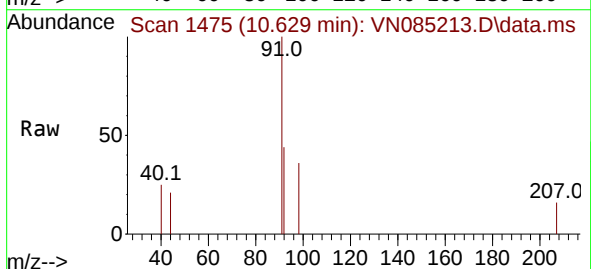
Instrument :
MSVOA_N
ClientSampleId :

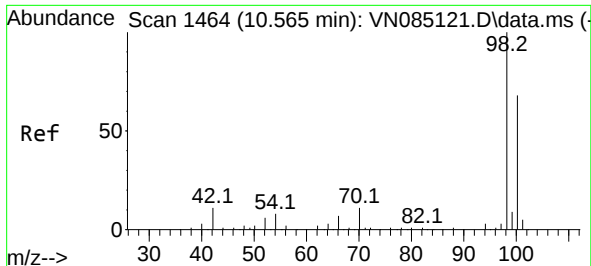
Tgt Ion: 95 Resp: 47939
Ion Ratio Lower Upper
95 100
174 76.3 60.3 90.5
176 74.2 57.4 86.0



#62
Toluene
Concen: 0.201 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

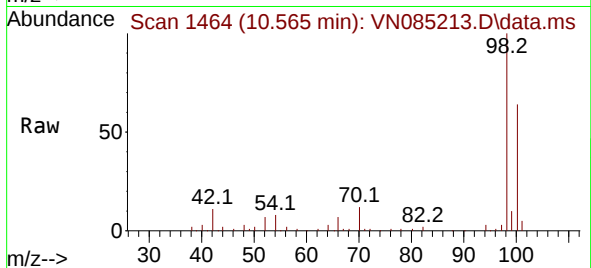
Tgt Ion: 91 Resp: 1363
Ion Ratio Lower Upper
91 100
92 60.5 46.5 69.7



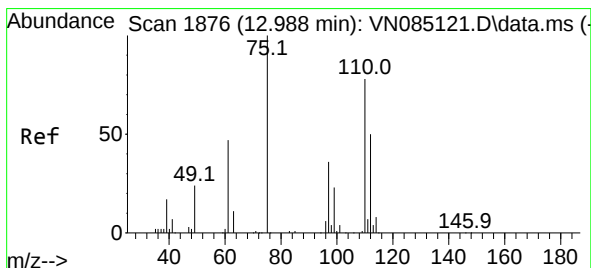
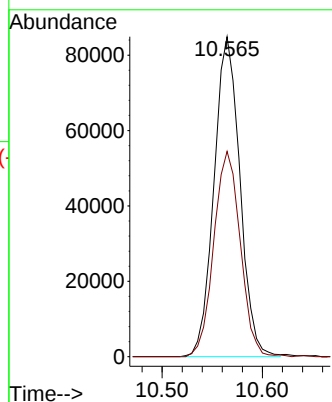
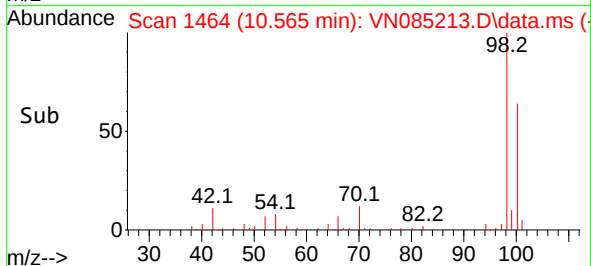


#63
Toluene-d8
Concen: 27.853 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

Instrument :
MSVOA_N
ClientSampleId :

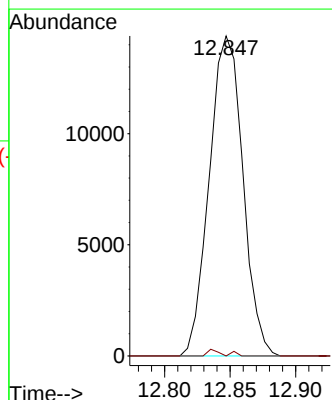
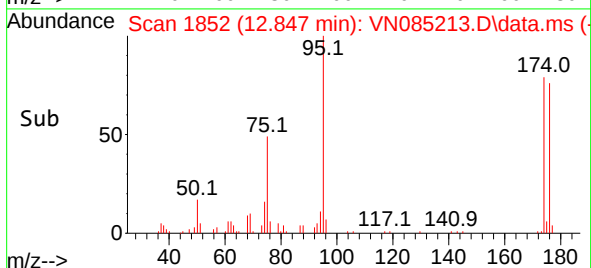
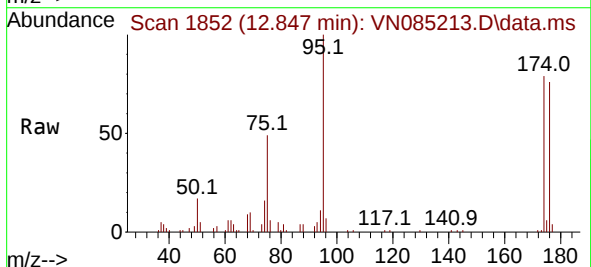


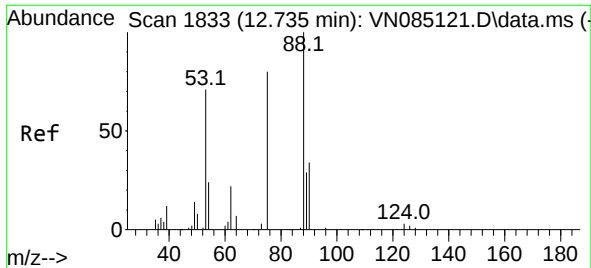
Tgt Ion: 98 Resp: 152219
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#72
1,2,3-Trichloropropane
Concen: 12.705 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

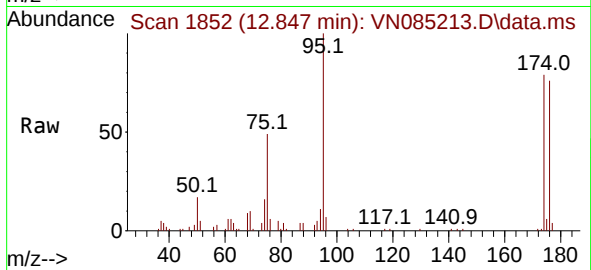
Tgt Ion: 75 Resp: 25660
Ion Ratio Lower Upper
75 100
77 0.3 0.0 339.0





#77
t-1,4-Dichloro-2-butene
Concen: 34.964 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 25660
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

