

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 :
 IBLK

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)

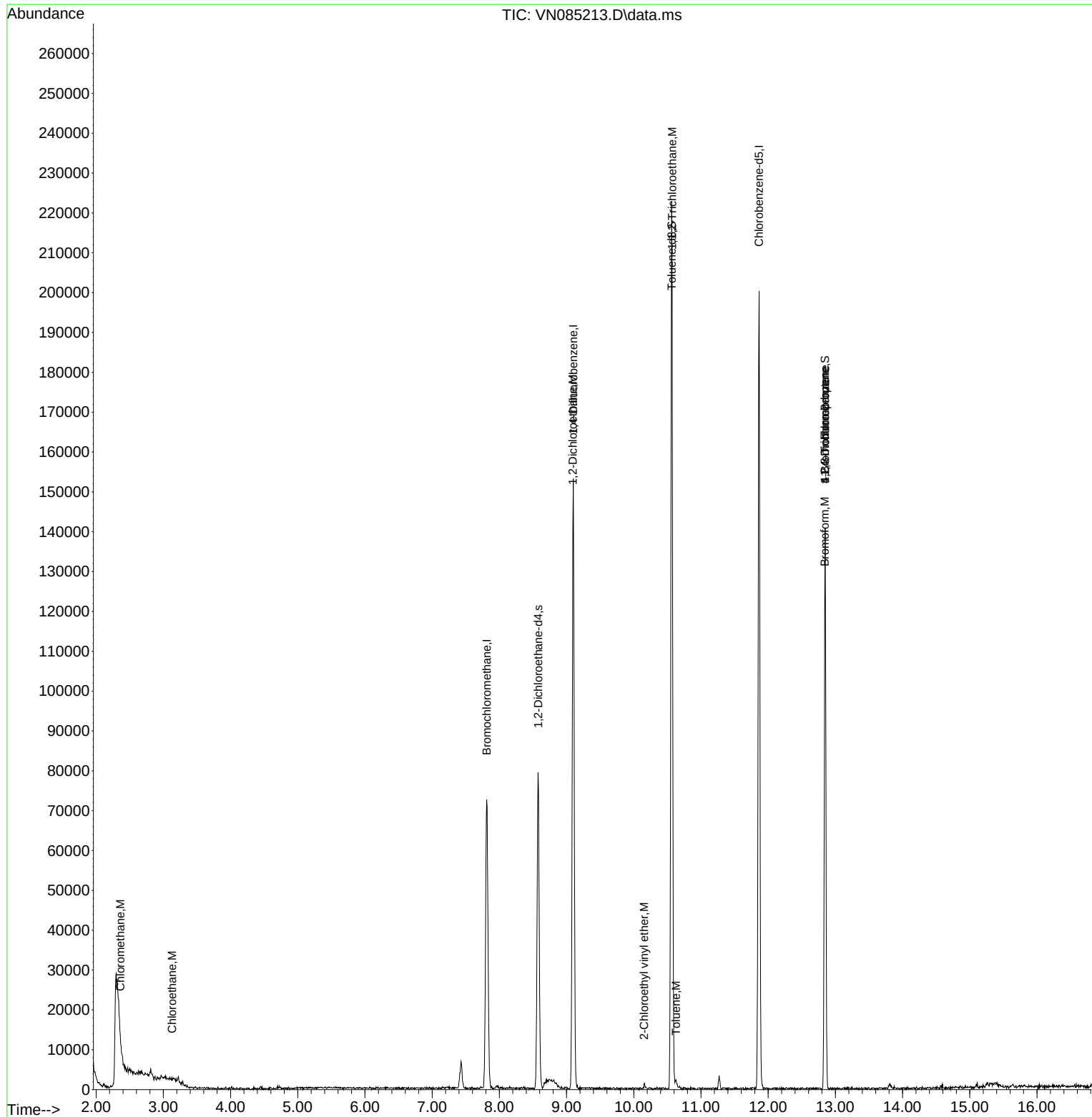
Internal Standards						
1) Bromochloromethane	7.812	128	26106	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	129258	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	116508	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	65361	31.554	ug/l	0.00
Spiked Amount	30.000	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

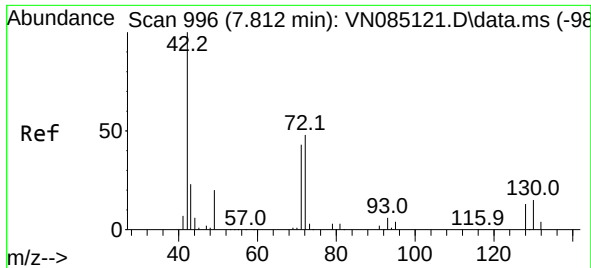
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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IBLK

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

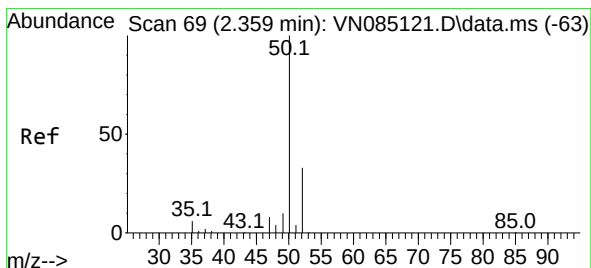
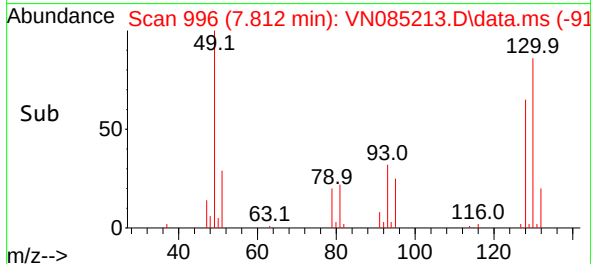
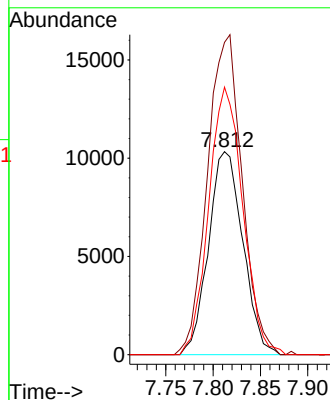
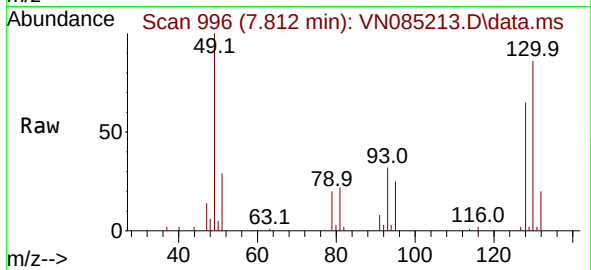




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

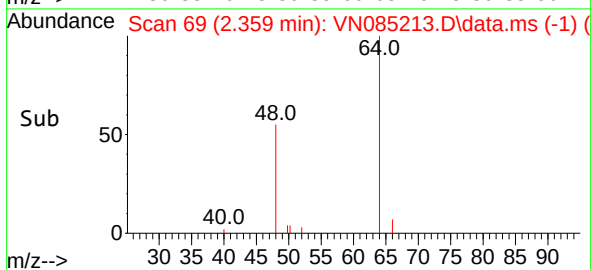
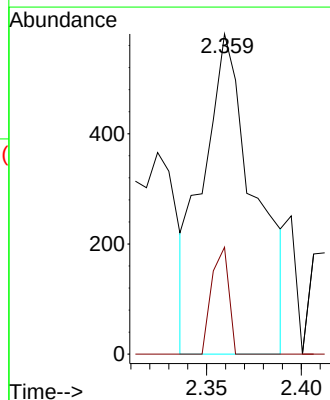
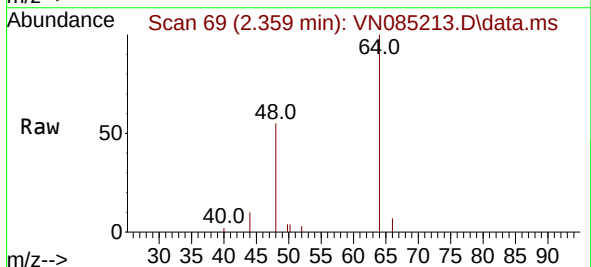
Instrument :
MSVOA_N
ClientSampleId :
IBLK

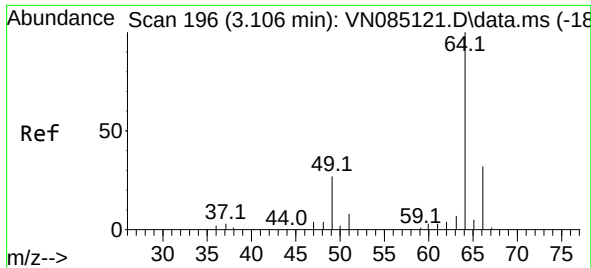
Tgt Ion:	128	Resp:	26106
Ion	Ratio	Lower	Upper
128	100		
49	159.2	0.0	394.5
130	131.3	0.0	316.5



#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#

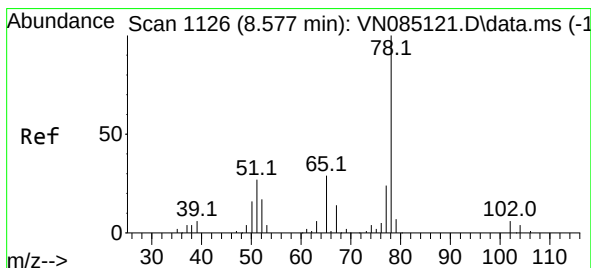
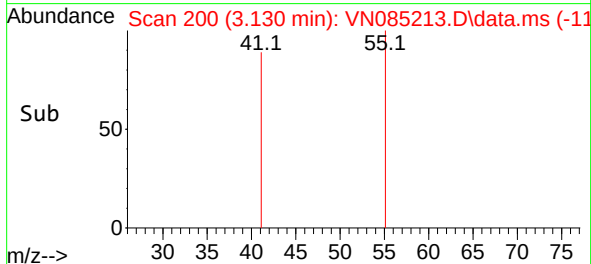
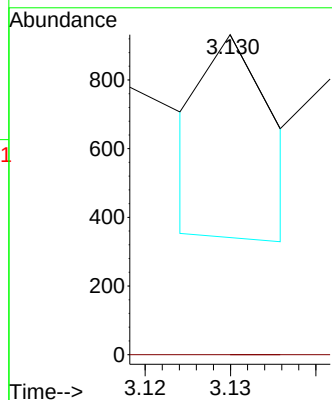
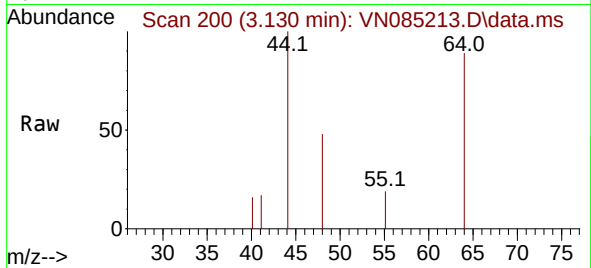




#6
Chloroethane
Concen: 0.275 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

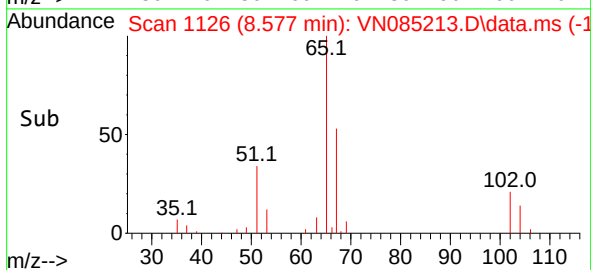
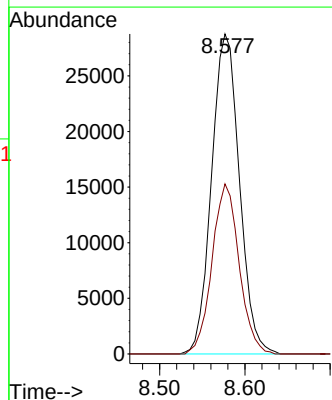
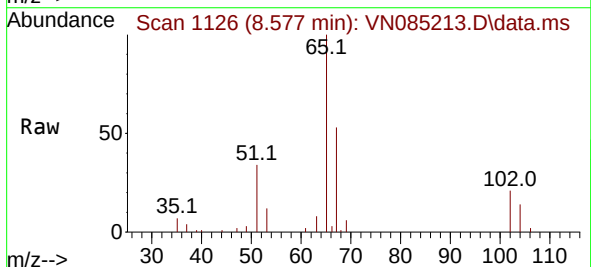
Instrument :
MSVOA_N
ClientSampleId :
IBLK

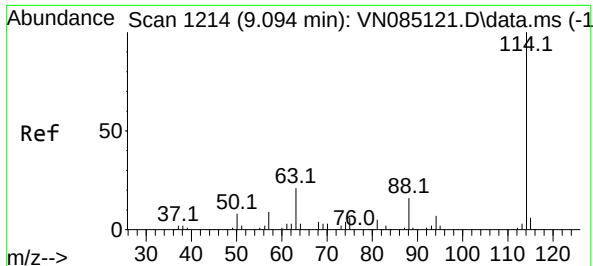
Tgt Ion: 64 Resp: 320
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



#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# 11

Delta R.T. 0.000 min

Lab File: VN085213.D

Acq: 16 Dec 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

IBLK

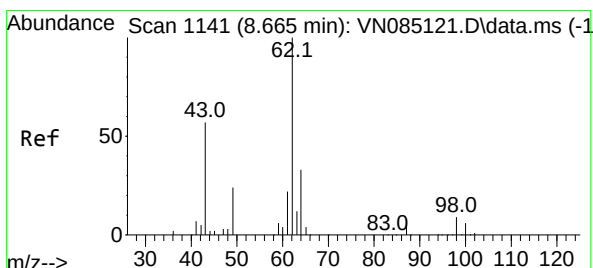
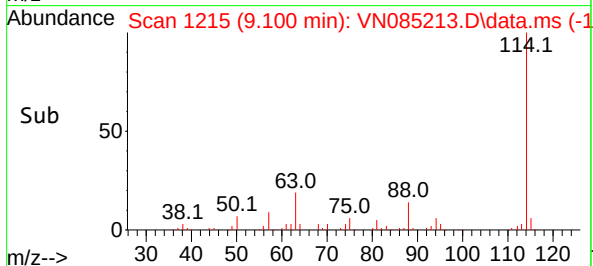
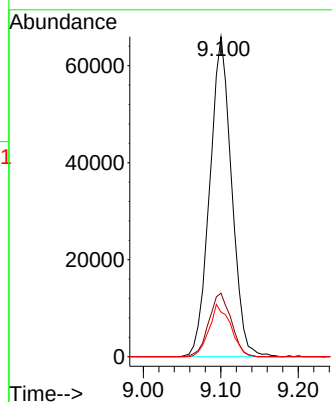
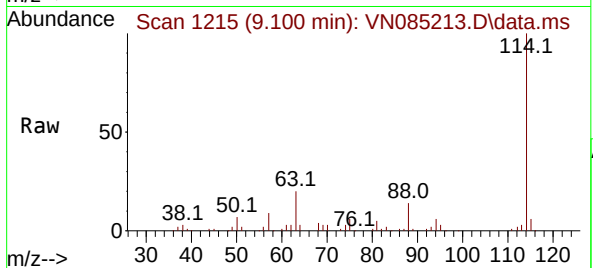
Tgt Ion:114 Resp: 129258

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

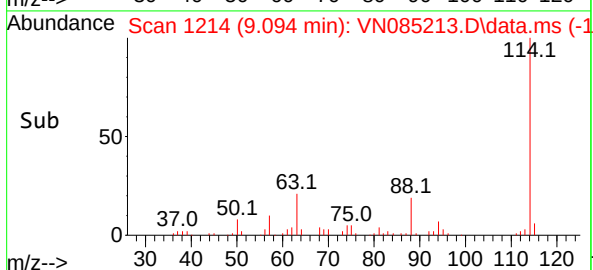
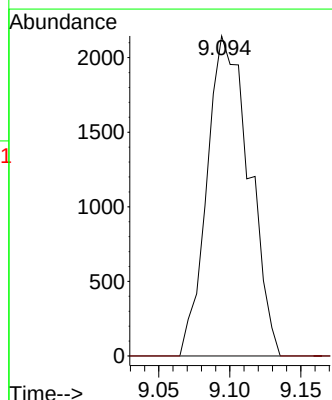
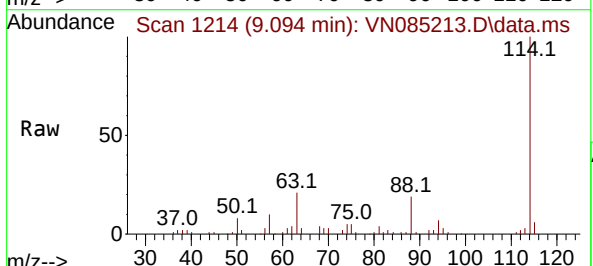
Acq: 16 Dec 2024 12:45

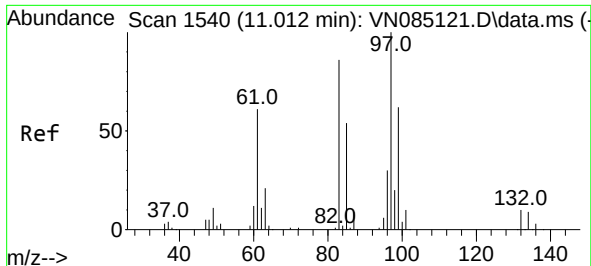
Tgt Ion: 62 Resp: 4435

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 :

IBLK

Tgt Ion: 97 Resp: 5126

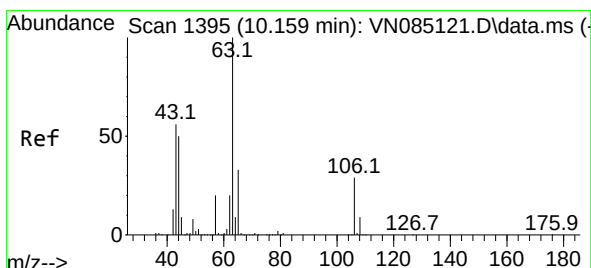
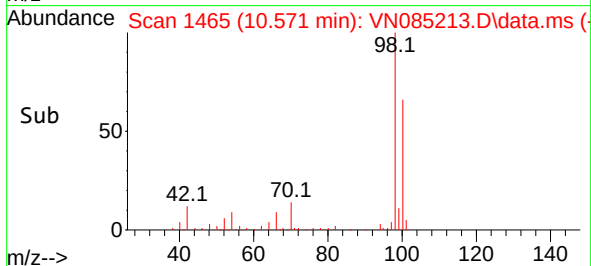
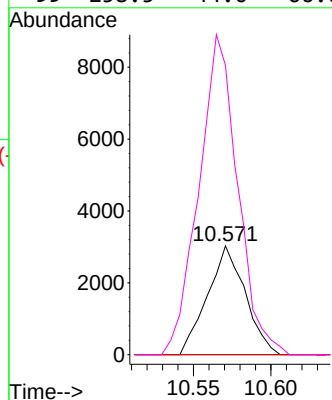
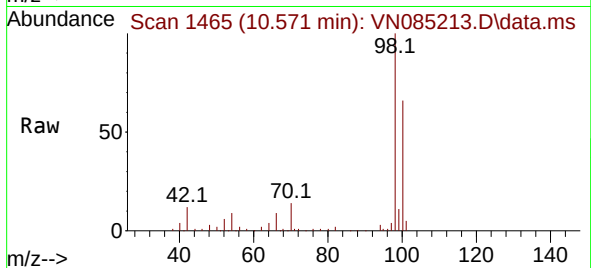
Ion Ratio Lower Upper

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

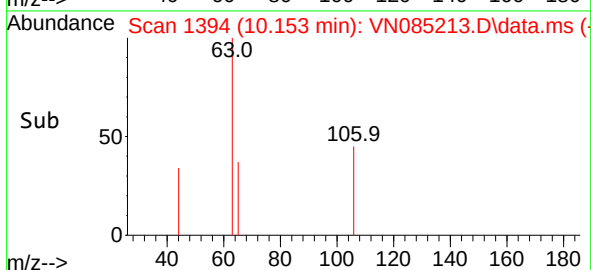
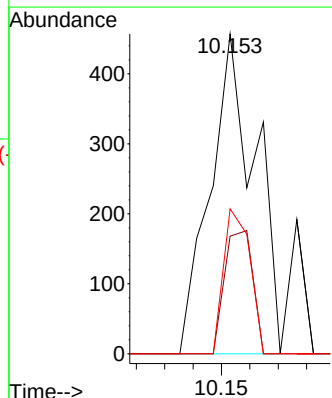
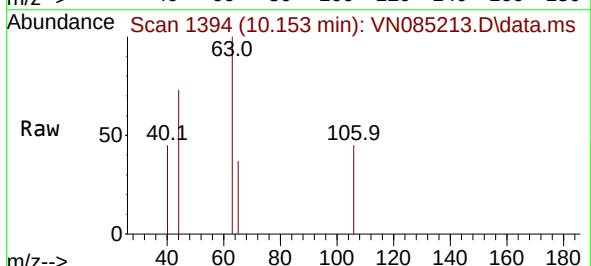
Tgt Ion: 63 Resp: 505

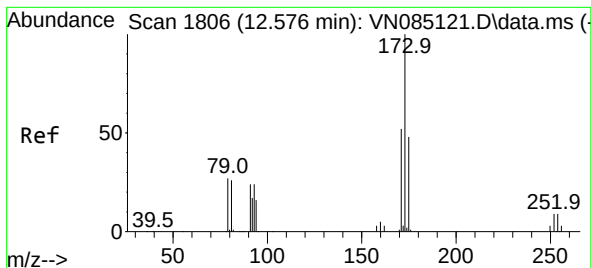
Ion Ratio Lower Upper

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 :

IBLK

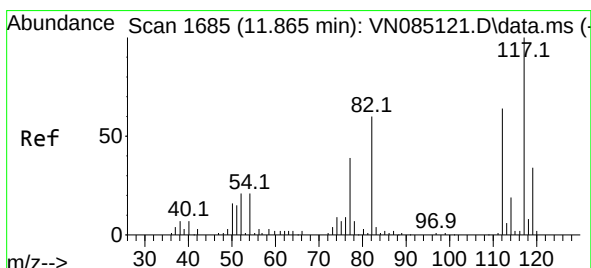
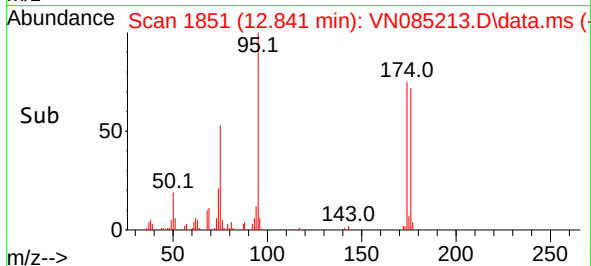
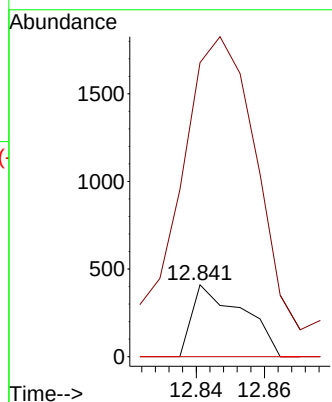
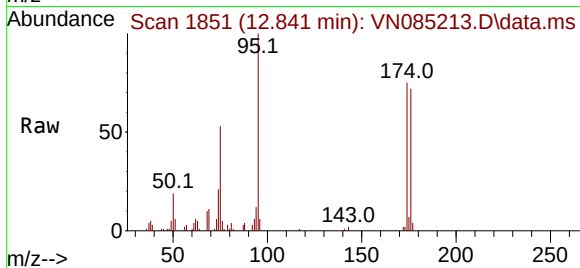
Tgt Ion:173 Resp: 422

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

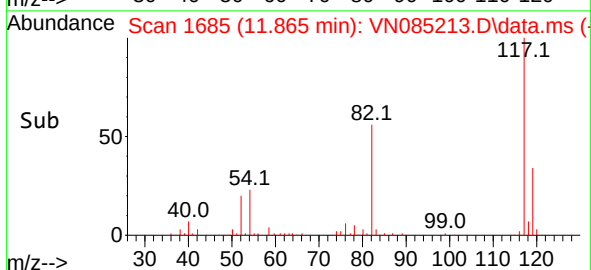
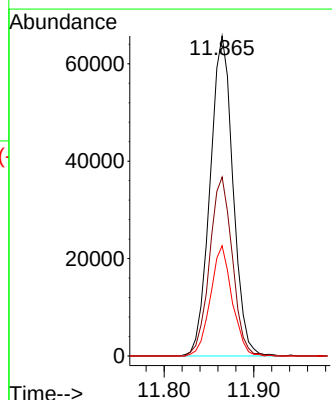
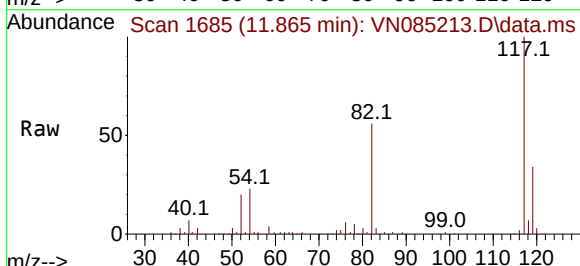
Tgt Ion:117 Resp: 116508

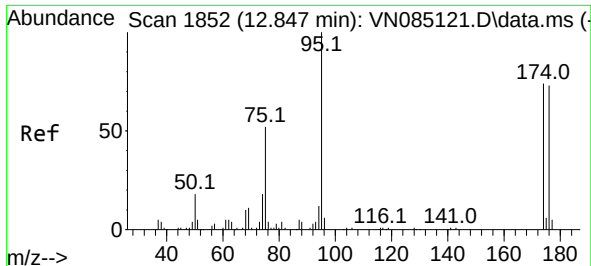
Ion Ratio Lower Upper

117 100

82 55.4 44.2 66.4

119 32.6 25.4 38.2

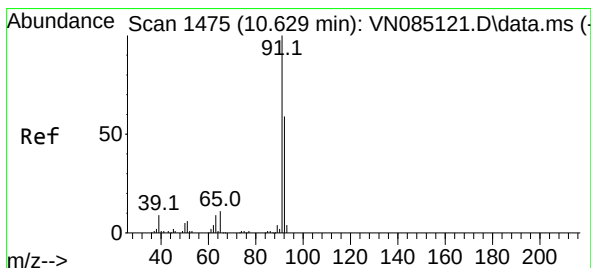
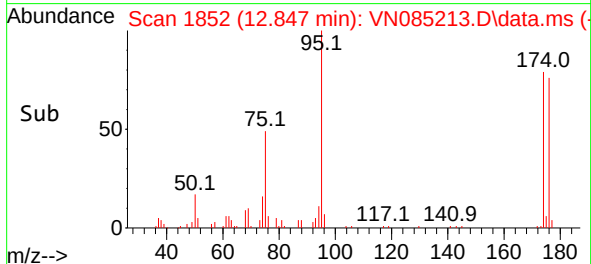
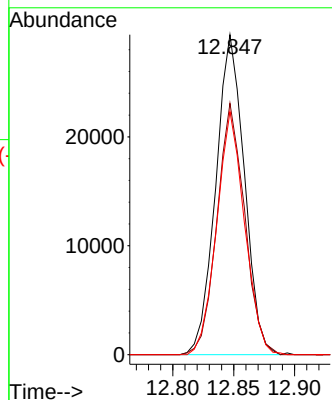
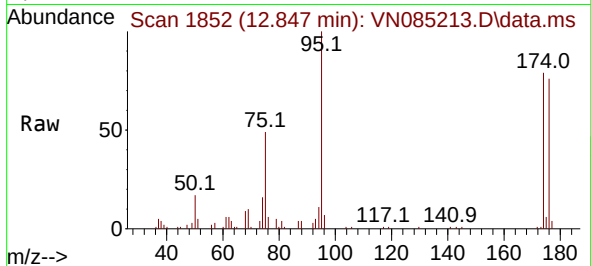




#60
4-Bromofluorobenzene
Concen: 24.868 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

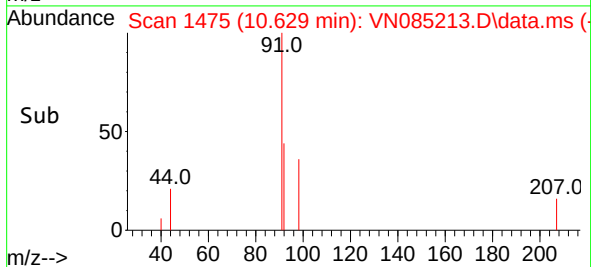
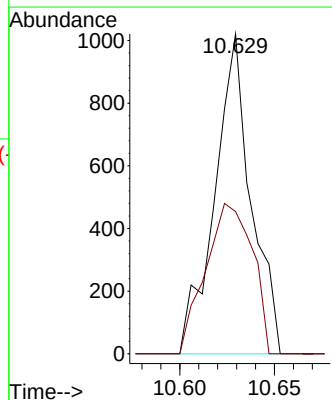
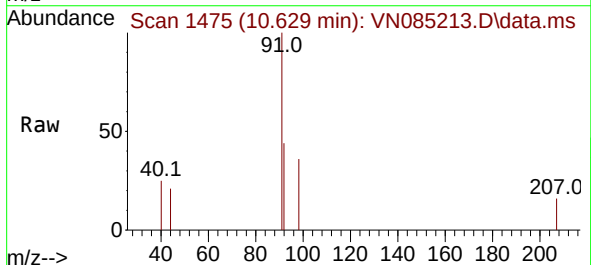
Instrument :
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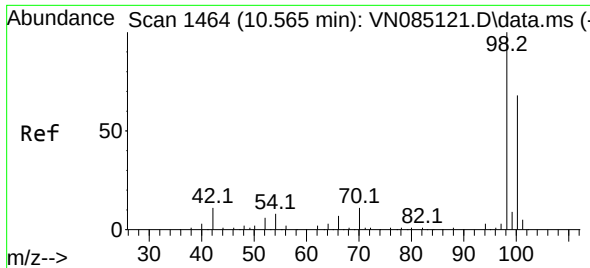
Tgt Ion: 95 Resp: 47939
Ion Ratio Lower Upper
95 100
174 76.3 60.3 90.5
176 74.2 57.4 86.0



#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

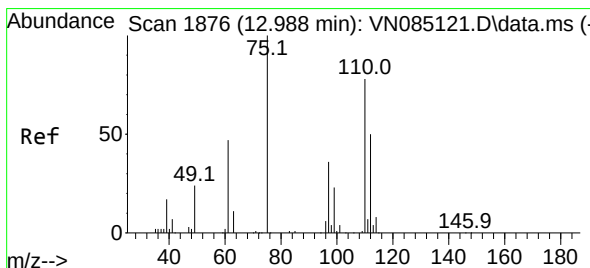
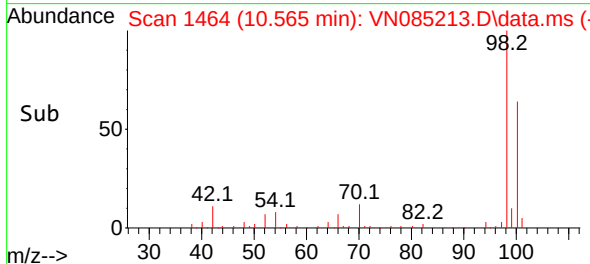
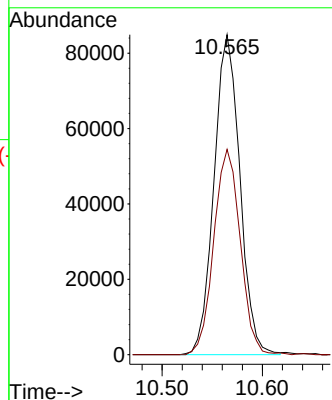
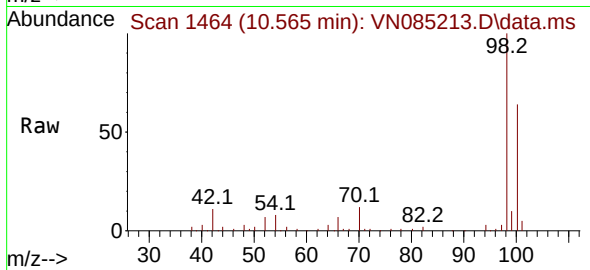




#63
Toluene-d8
Concen: 27.853 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085213.D
Acq: 16 Dec 2024 12:45

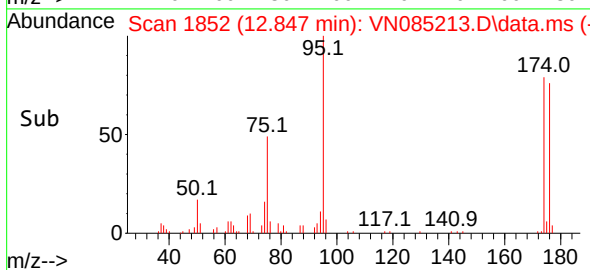
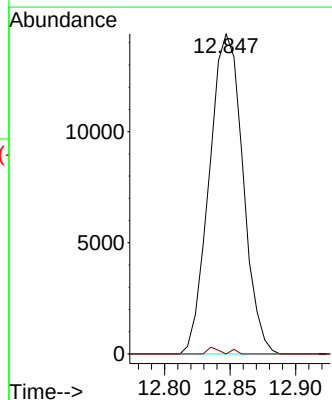
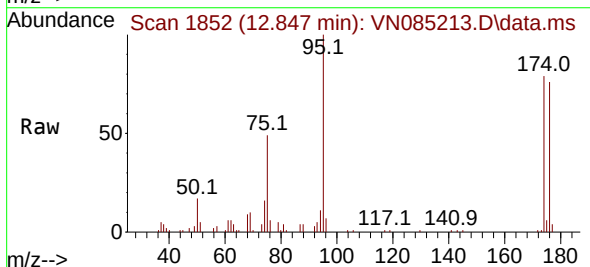
Instrument :
MSVOA_N
ClientSampleId :
IBLK

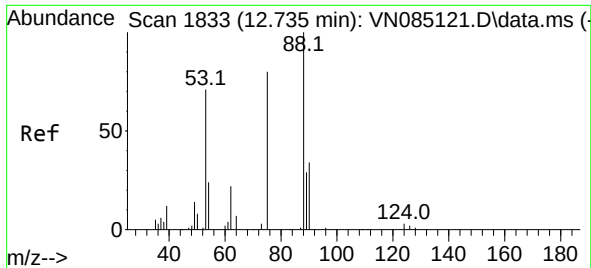
Tgt Ion: 98 Resp: 152219
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#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 :
 IBLK

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#

