

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
 Data File : VN084625.D
 Acq On : 31 Oct 2024 17:49
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Nov 01 02:50:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

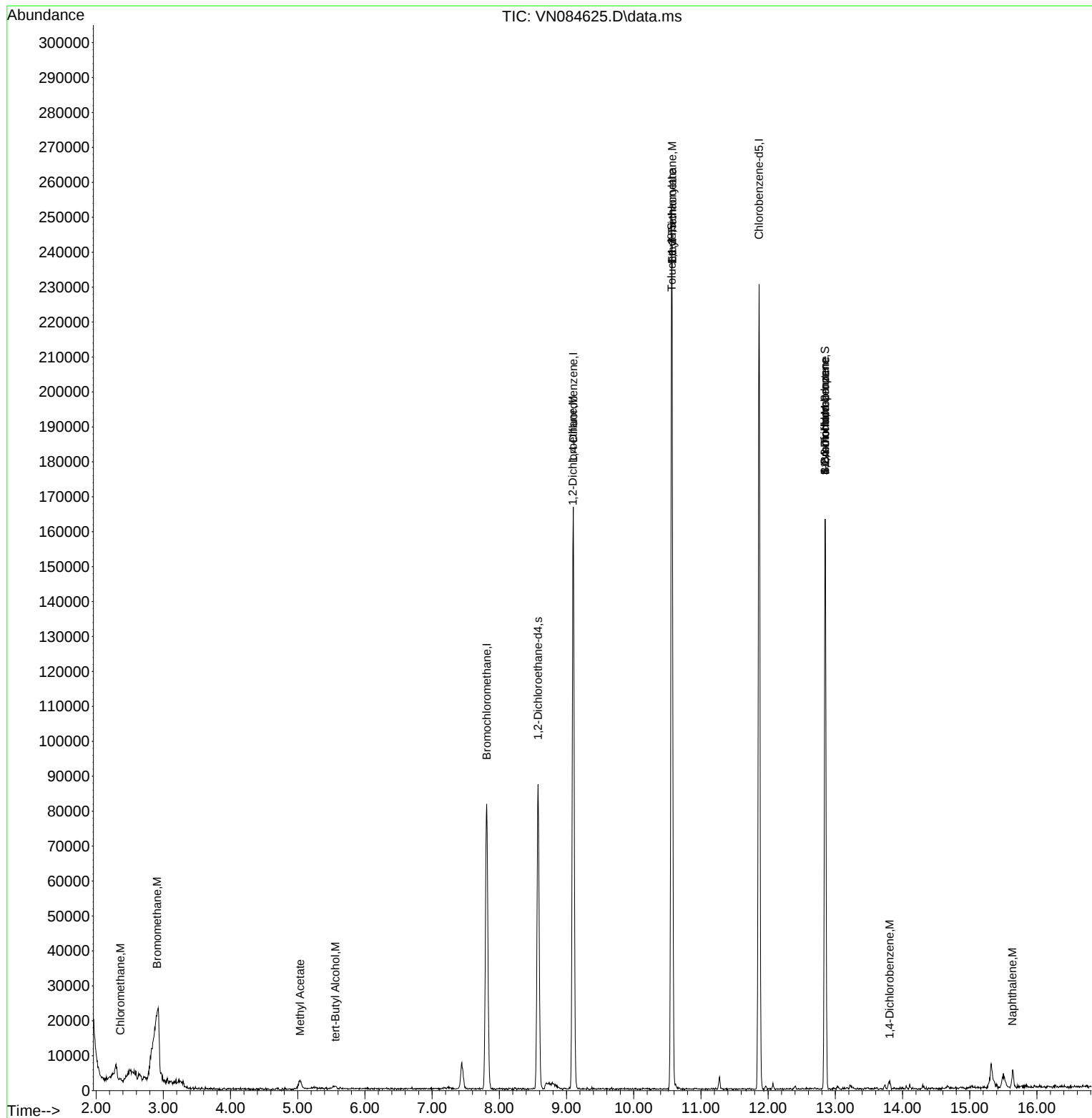
Internal Standards						
1) Bromochloromethane	7.812	128	30682	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	142437	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	130663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72212	29.275	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.600%
60) 4-Bromofluorobenzene	12.847	95	57918	25.744	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.800%
63) Toluene-d8	10.565	98	171353	27.702	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.333%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	558	0.260	ug/l #	43
5) Bromomethane	2.906	94	217	0.214	ug/l	92
12) Methyl Acetate	5.036	43	3368	1.208	ug/l	91
23) tert-Butyl Alcohol	5.559	59	440	1.382	ug/l #	100
36) 1,2-Dichloroethane	9.094	62	5156	2.186	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	6038	3.769	ug/l #	1
51) Ethyl methacrylate	10.571	69	675	0.273	ug/l #	73
56) Bromoform	12.847	173	654	0.520	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	28864	14.535	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	28864	35.439	ug/l #	7
84) 1,4-Dichlorobenzene	13.806	146	895	0.265	ug/l	91
91) Naphthalene	15.635	128	5742	1.095	ug/l #	92

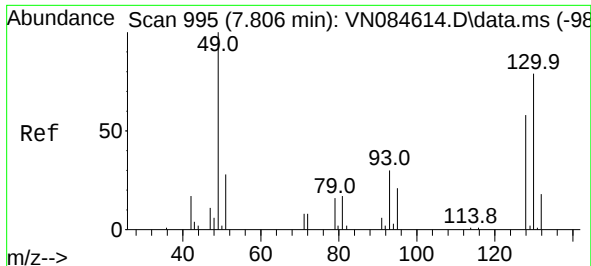
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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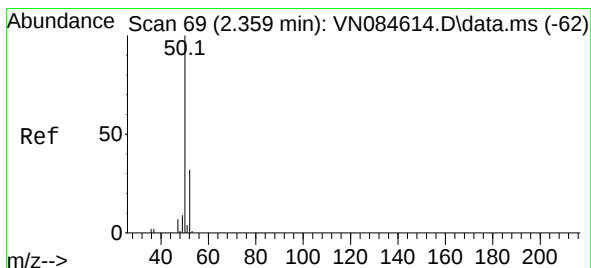
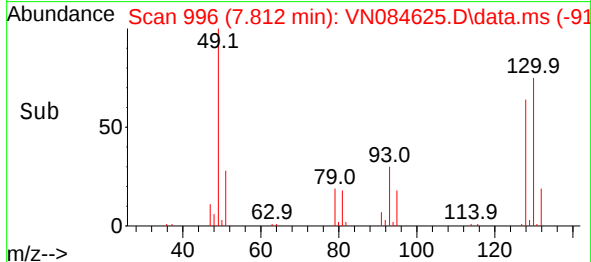
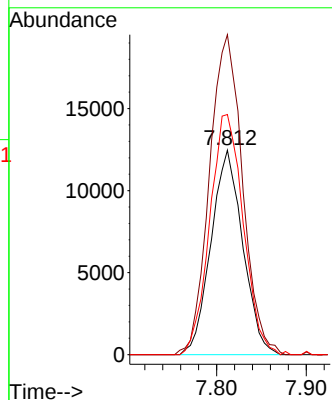
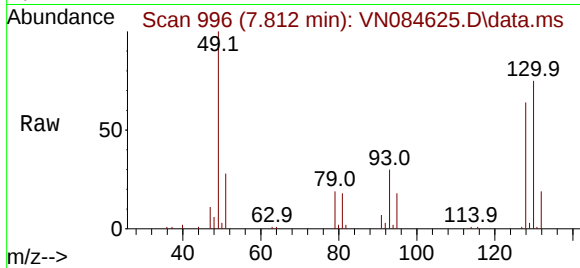




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084625.D
Acq: 31 Oct 2024 17:49

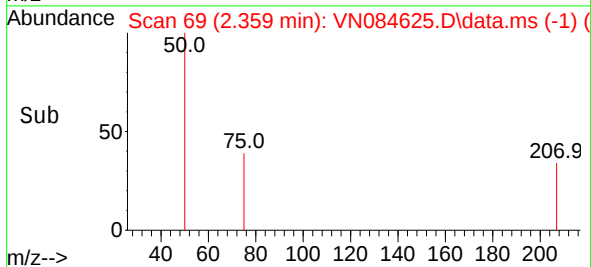
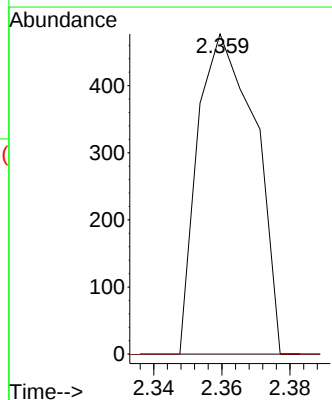
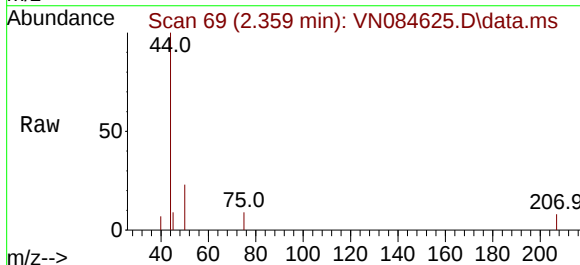
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

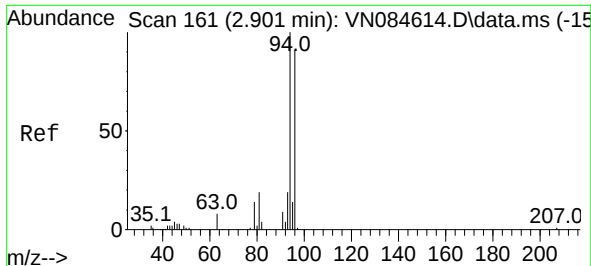
Tgt Ion:128 Resp: 30682
Ion Ratio Lower Upper
128 100
49 162.7 0.0 427.0
130 123.8 0.0 322.2



#3
Chloromethane
Concen: 0.260 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084625.D
Acq: 31 Oct 2024 17:49

Tgt Ion: 50 Resp: 558
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

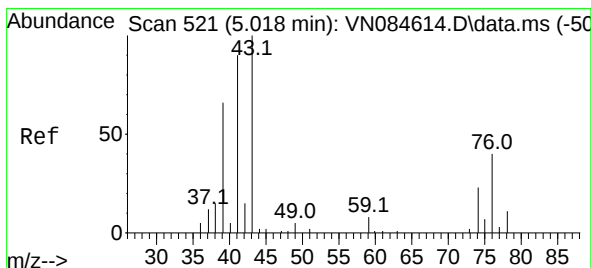
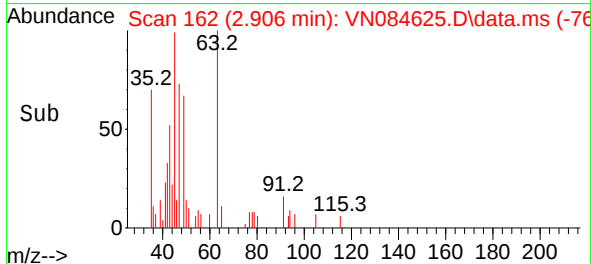
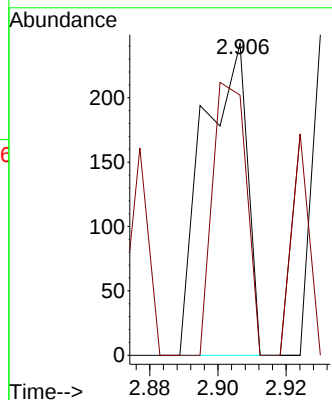
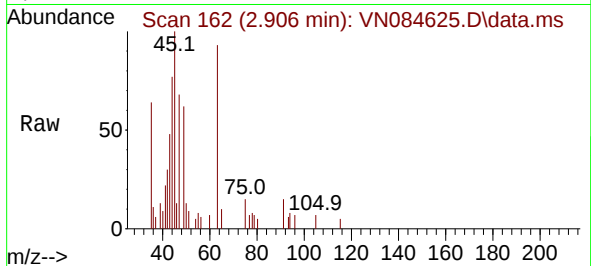




#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.906 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084625.D
Acq: 31 Oct 2024 17:49

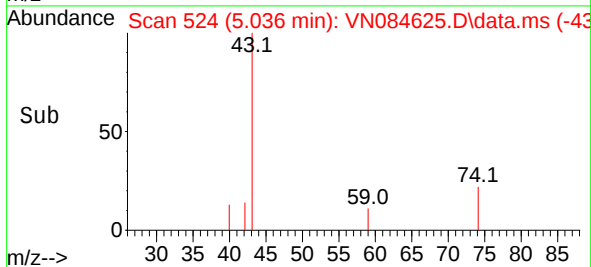
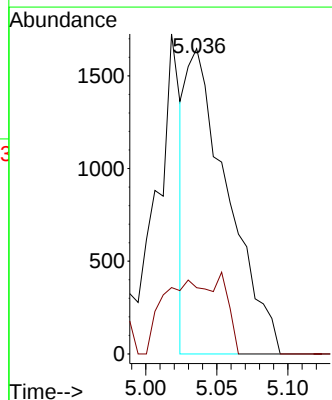
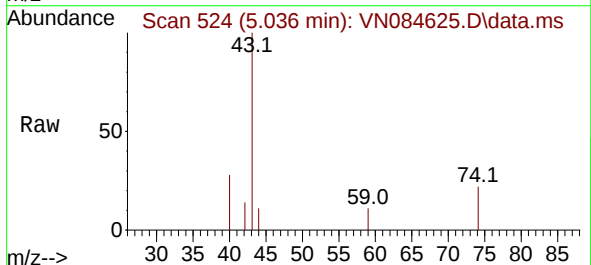
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

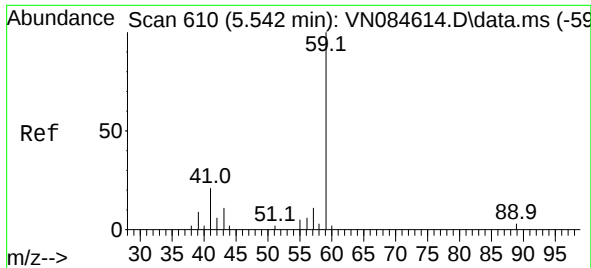
Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 83.5 72.7 109.1



#12
Methyl Acetate
Concen: 1.208 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084625.D
Acq: 31 Oct 2024 17:49

Tgt Ion: 43 Resp: 3368
Ion Ratio Lower Upper
43 100
74 19.2 19.0 28.4





#23

tert-Butyl Alcohol

Concen: 1.382 ug/l

RT: 5.559 min Scan# 610

Delta R.T. 0.018 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :

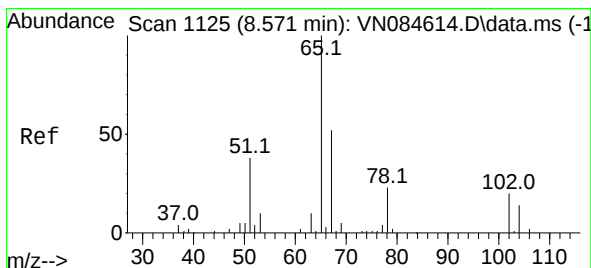
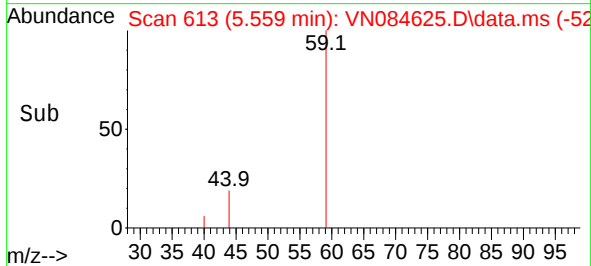
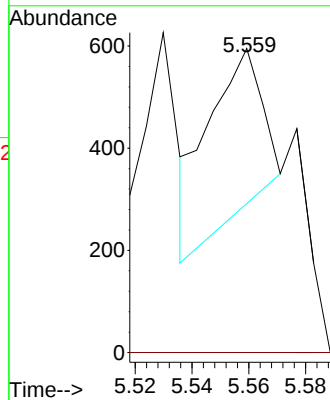
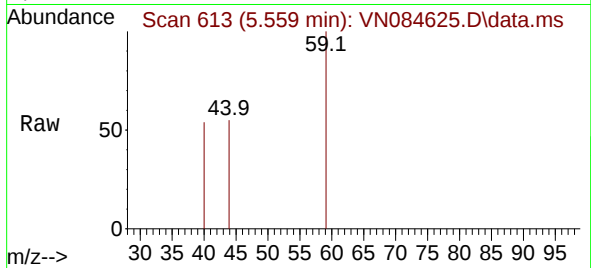
VIBLK

Tgt Ion: 59 Resp: 440

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 29.275 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN084625.D

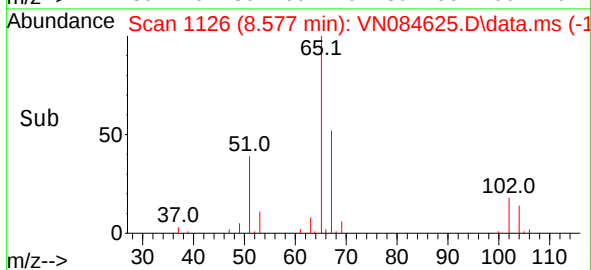
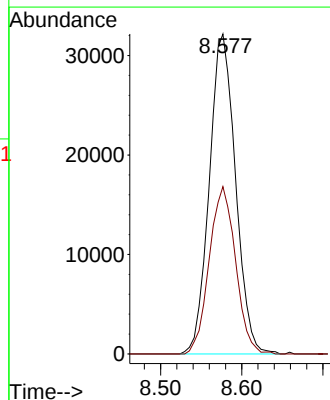
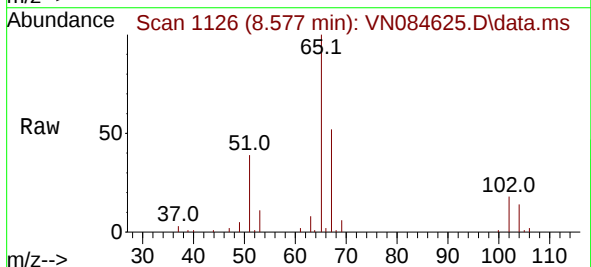
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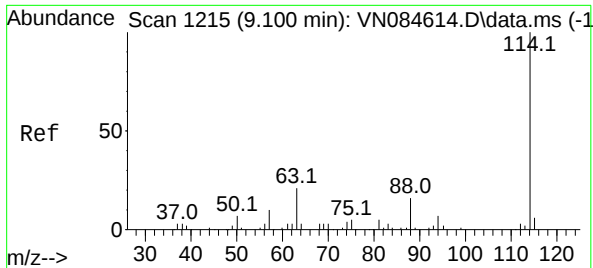
Tgt Ion: 65 Resp: 72212

Ion Ratio Lower Upper

65 100

67 52.2 40.7 61.1

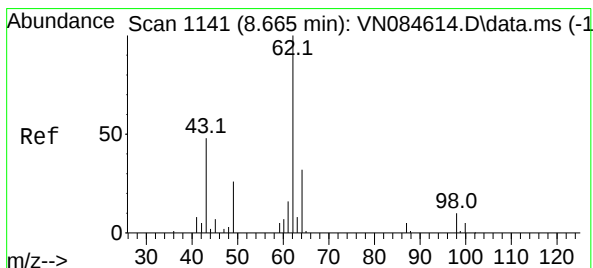
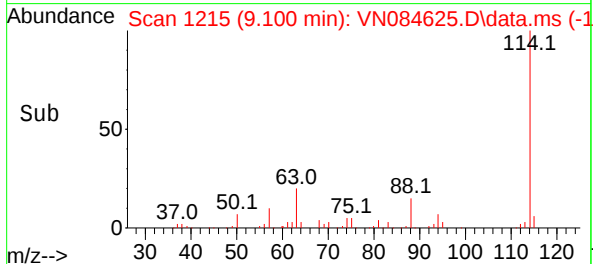
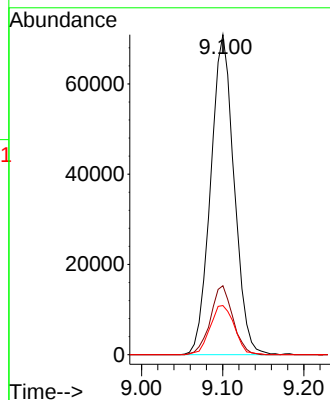
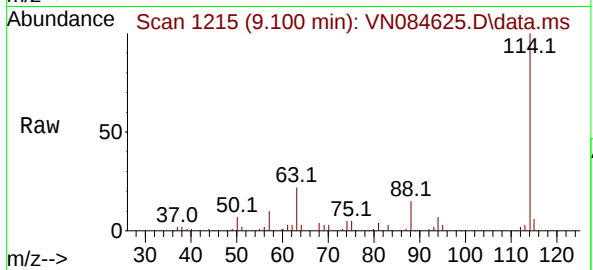




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084625.D
Acq: 31 Oct 2024 17:49

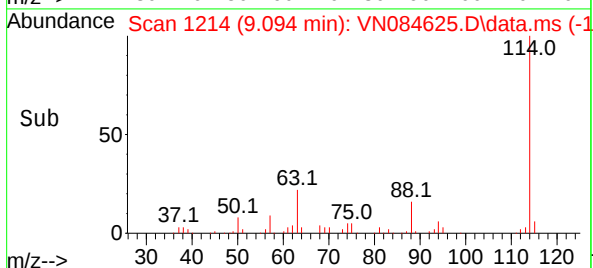
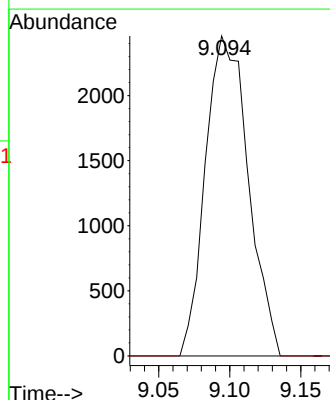
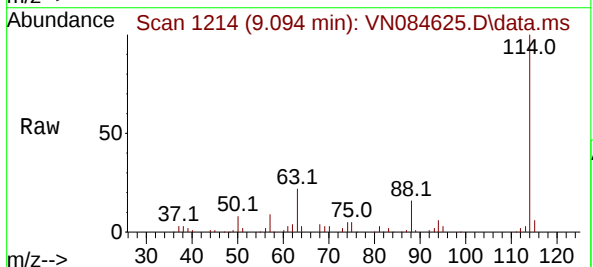
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

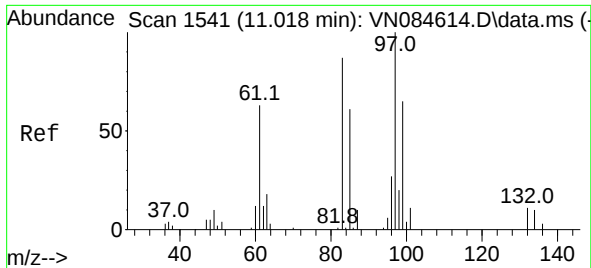
Tgt Ion:114 Resp: 142437
Ion Ratio Lower Upper
114 100
63 20.6 16.8 25.2
88 16.0 12.9 19.3



#36
1,2-Dichloroethane
Concen: 2.186 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.429 min
Lab File: VN084625.D
Acq: 31 Oct 2024 17:49

Tgt Ion: 62 Resp: 5156
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#





#50

1,1,2-Trichloroethane

Concen: 3.769 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

Tgt Ion: 97 Resp: 6038

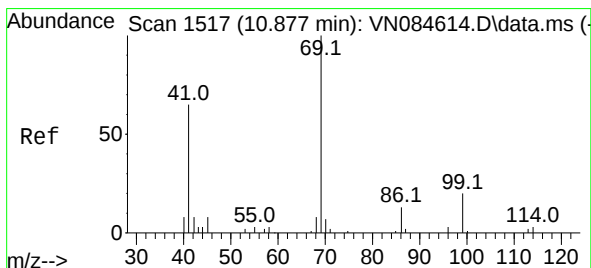
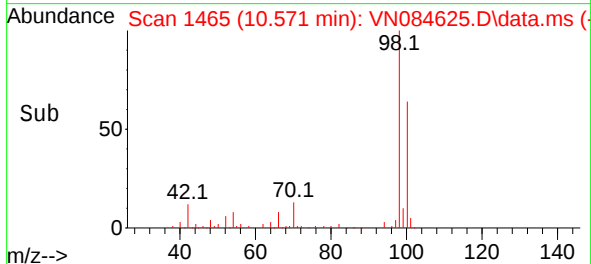
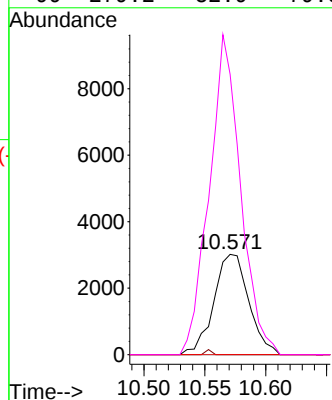
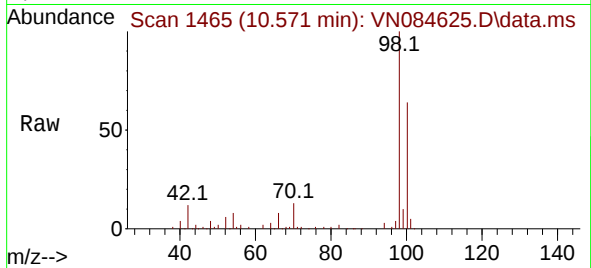
Ion Ratio Lower Upper

97 100

83 0.0 69.8 104.8#

85 0.0 48.6 73.0#

99 279.2 52.9 79.3#



#51

Ethyl methacrylate

Concen: 0.273 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.306 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

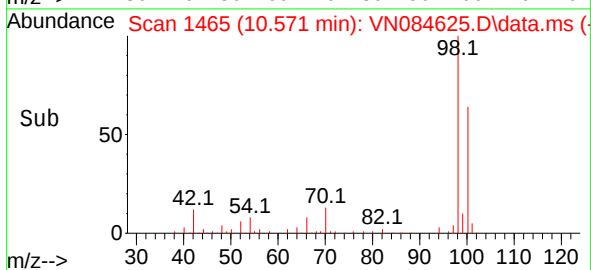
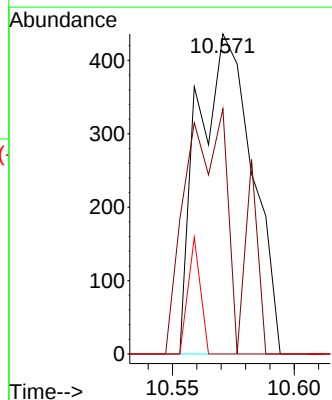
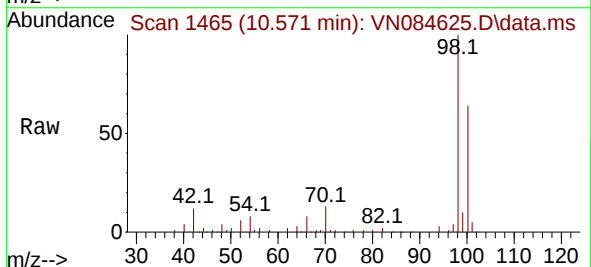
Tgt Ion: 69 Resp: 675

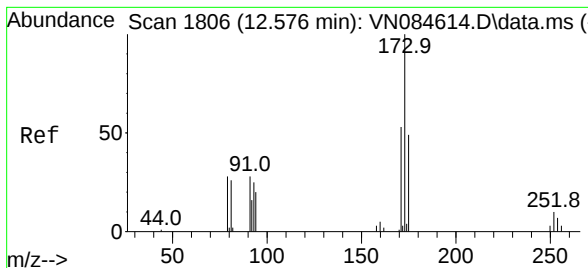
Ion Ratio Lower Upper

69 100

41 76.6 32.8 98.3

39 0.0 15.4 46.1#





#56

Bromoform

Concen: 0.520 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

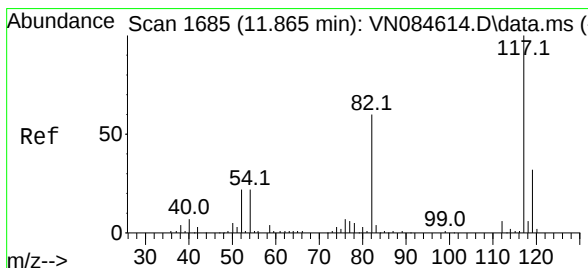
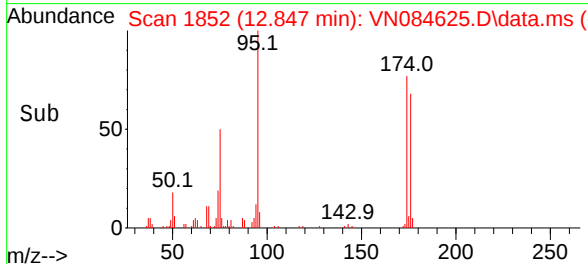
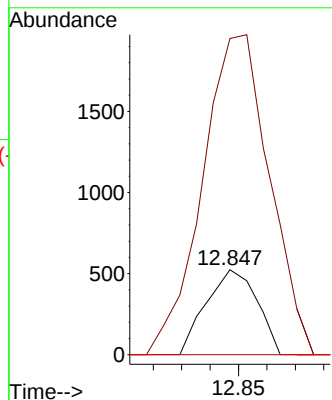
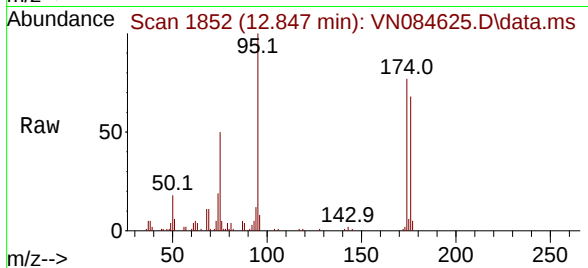
Tgt Ion:173 Resp: 654

Ion Ratio Lower Upper

173 100

175 495.6 39.4 59.2#

254 0.0 6.4 9.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

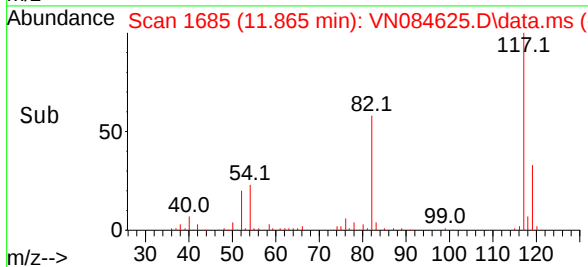
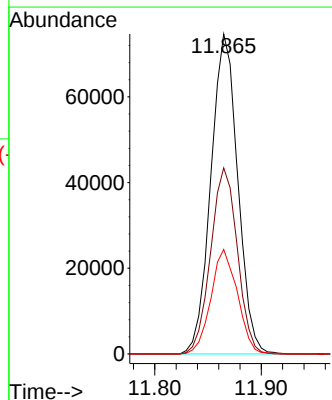
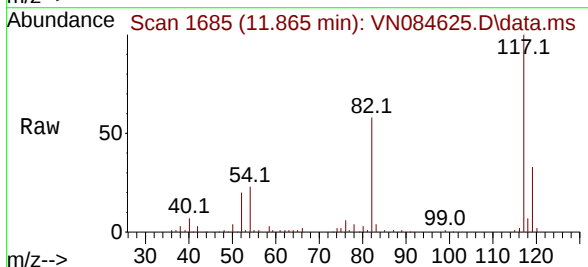
Tgt Ion:117 Resp: 130663

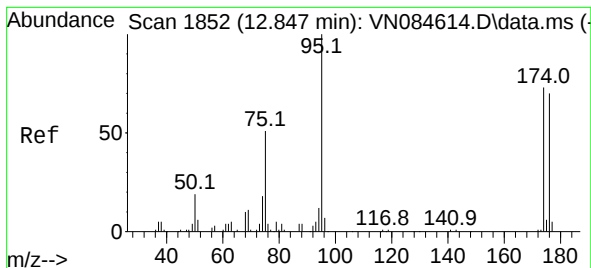
Ion Ratio Lower Upper

117 100

82 57.8 45.5 68.3

119 32.3 25.3 37.9

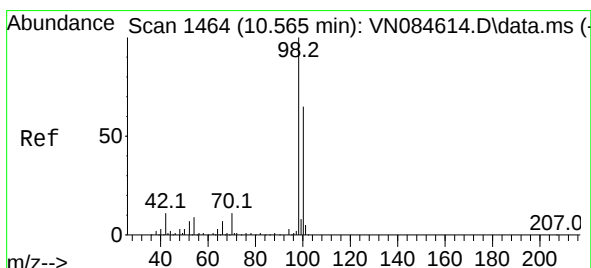
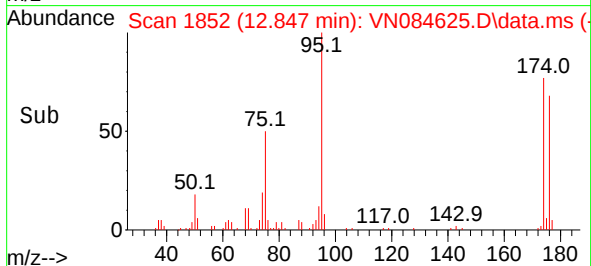
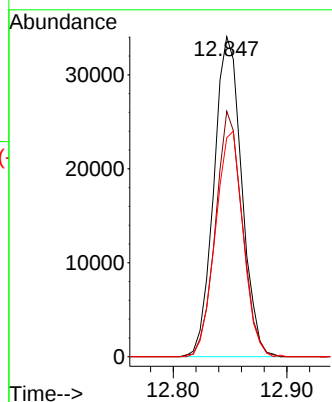
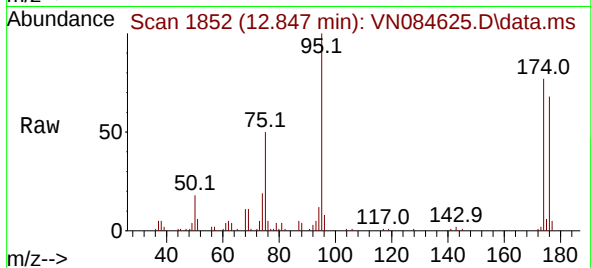




#60
4-Bromofluorobenzene
Concen: 25.744 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084625.D
Acq: 31 Oct 2024 17:49

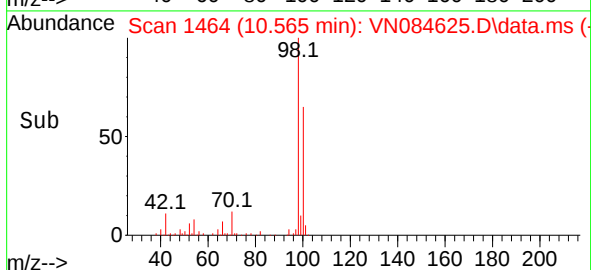
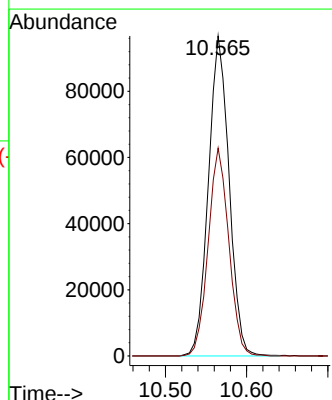
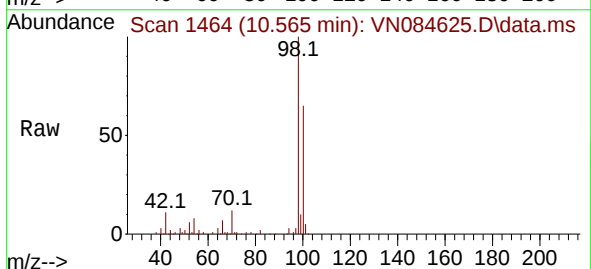
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

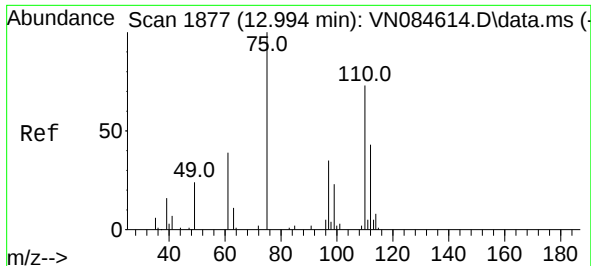
Tgt Ion: 95 Resp: 57918
Ion Ratio Lower Upper
95 100
174 74.0 59.6 89.4
176 70.4 58.6 88.0



#63
Toluene-d8
Concen: 27.702 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084625.D
Acq: 31 Oct 2024 17:49

Tgt Ion: 98 Resp: 171353
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2





#72

1,2,3-Trichloropropane

Concen: 14.535 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :

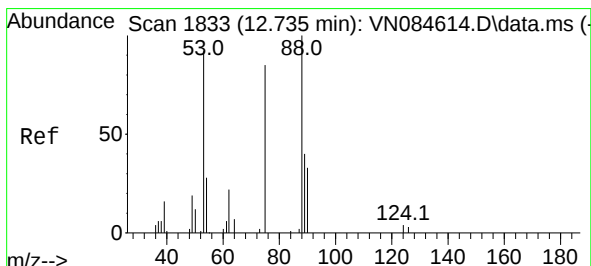
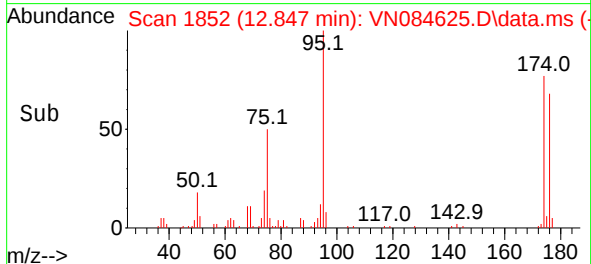
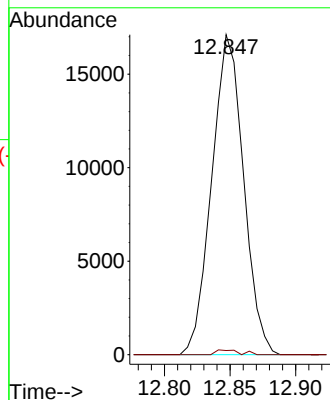
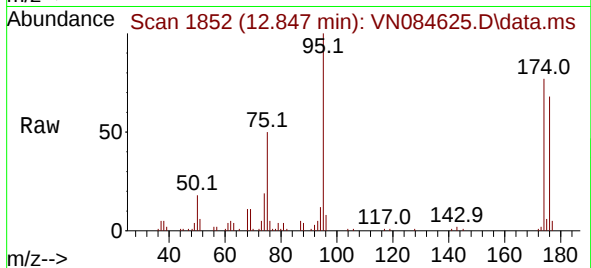
VIBLK

Tgt Ion: 75 Resp: 28864

Ion Ratio Lower Upper

75 100

77 0.9 0.0 358.4



#77

t-1,4-Dichloro-2-butene

Concen: 35.439 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

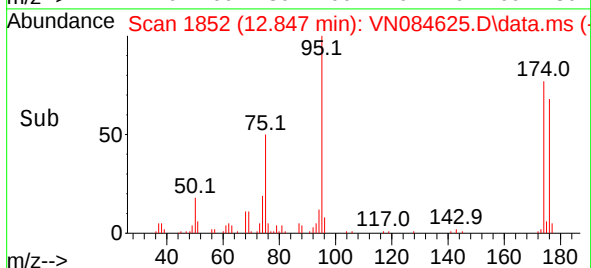
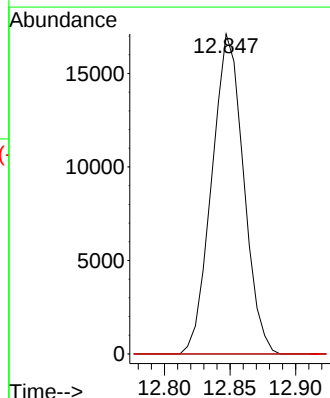
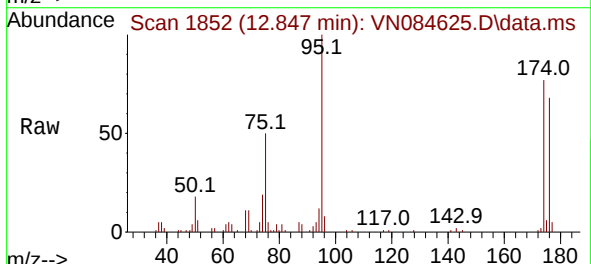
Tgt Ion: 75 Resp: 28864

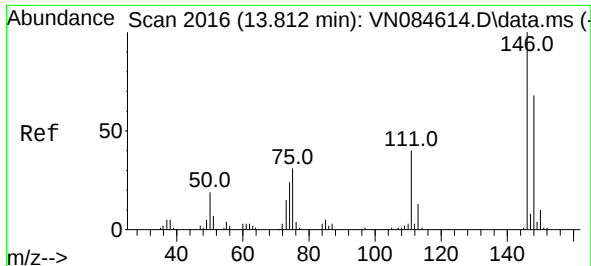
Ion Ratio Lower Upper

75 100

53 0.0 52.4 157.2#

89 0.0 26.0 78.0#





#84

1,4-Dichlorobenzene

Concen: 0.265 ug/l

RT: 13.806 min Scan# 2016

Delta R.T. -0.006 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

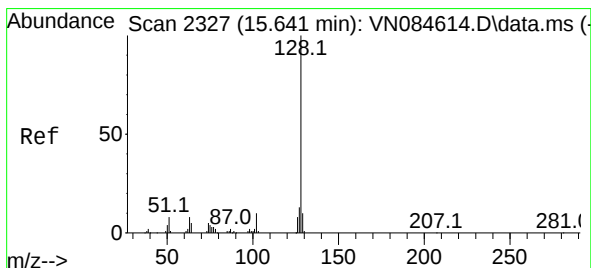
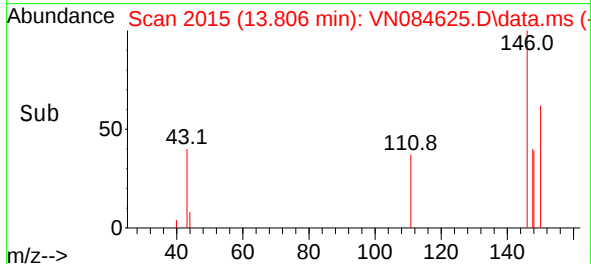
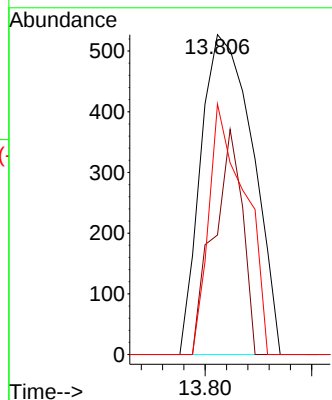
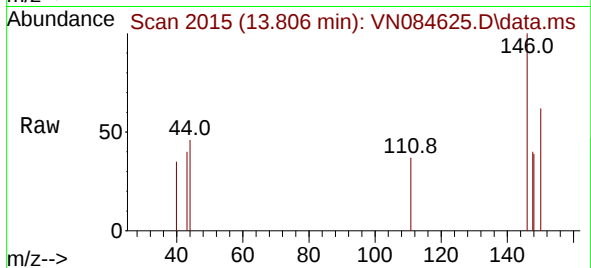
Tgt Ion:146 Resp: 895

Ion Ratio Lower Upper

146 100

111 39.2 20.2 60.5

148 54.9 32.6 98.0



#91

Naphthalene

Concen: 1.095 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN084625.D

Acq: 31 Oct 2024 17:49

Tgt Ion:128 Resp: 5742

Ion Ratio Lower Upper

128 100

127 10.6 10.3 15.5

129 6.7 8.6 12.8#

