

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076612.D
 Acq On : 10 Feb 2023 16:21
 Operator : JC\MD
 Sample : 01469-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Feb 11 00:57:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:40:47 2023
 Response via : Initial Calibration

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

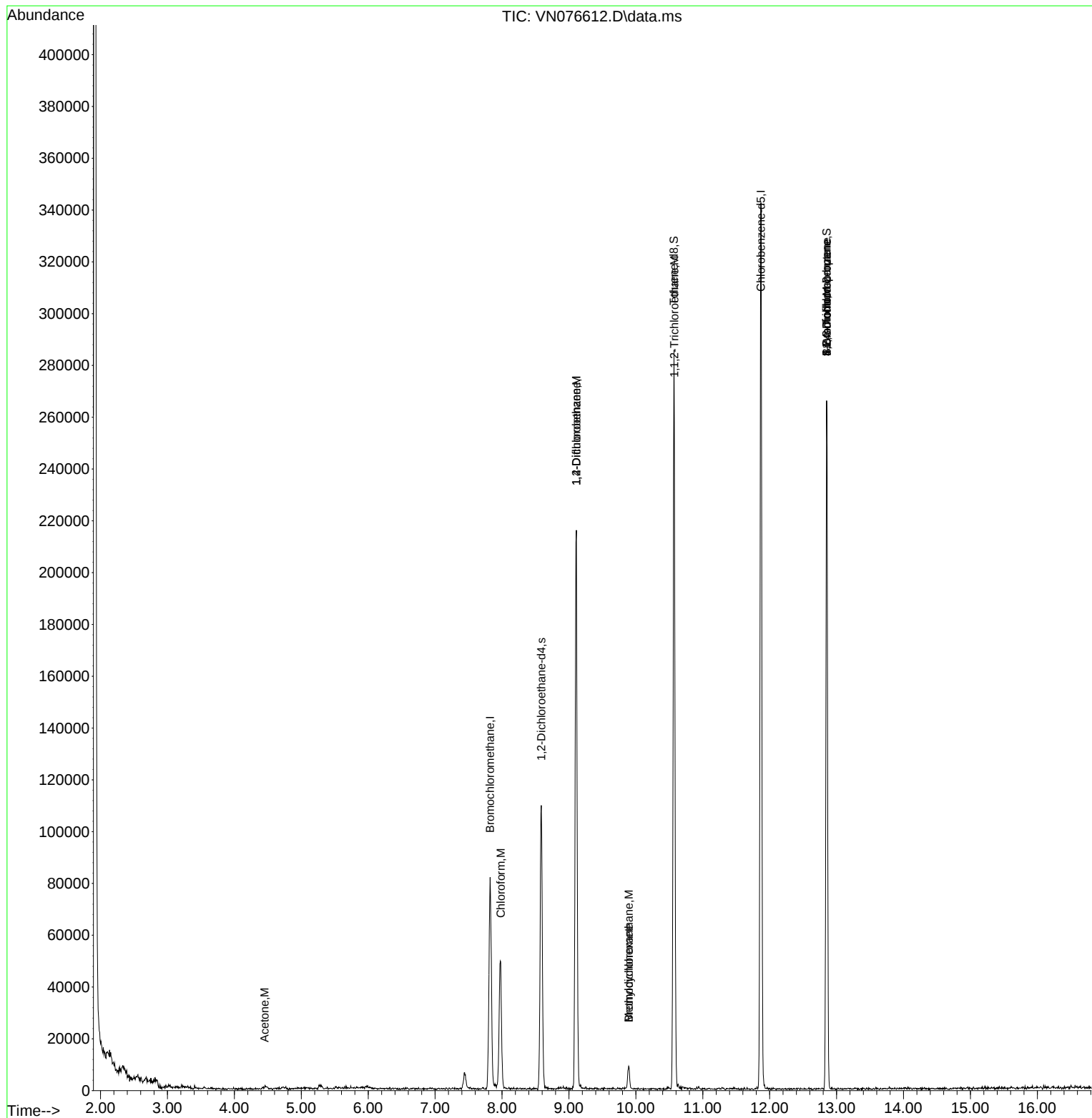
Internal Standards						
1) Bromochloromethane	7.822	128	25447	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.110	114	167332	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	176780	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	93976	31.333	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.433%
60) 4-Bromofluorobenzene	12.851	95	90478	22.671	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.567%
63) Toluene-d8	10.569	98	182320	28.088	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.633%
Target Compounds						
					Qvalue	
15) Acetone	4.451	58	116	0.230	ug/l #	2
25) Chloroform	7.981	83	48223	7.150	ug/l	88
36) 1,2-Dichloroethane	9.110	62	7357	1.442	ug/l #	74
38) Methylcyclohexane	9.892	83	6827	1.424	ug/l #	18
41) Bromodichloromethane	9.892	83	6827	1.554	ug/l #	87
50) 1,1,2-Trichloroethane	10.575	97	6553	2.309	ug/l #	1
56) Bromoform	12.851	173	505	0.266	ug/l #	1
72) 1,2,3-Trichloropropane	12.851	75	50709	11.189	ug/l	1
77) t-1,4-Dichloro-2-butene	12.851	75	50709	37.094	ug/l #	15

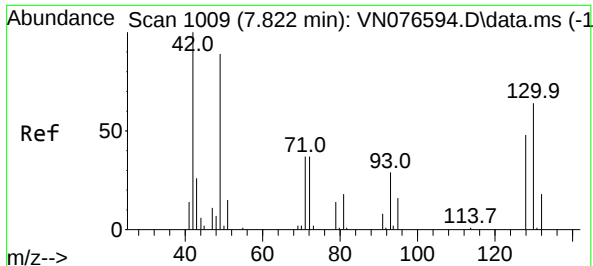
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
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Instrument :
MSVOA_N
ClientSampleId :
14B-3

Quant Time: Feb 11 00:57:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 10 05:40:47 2023
Response via : Initial Calibration

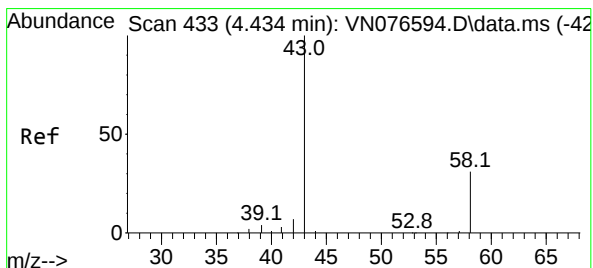
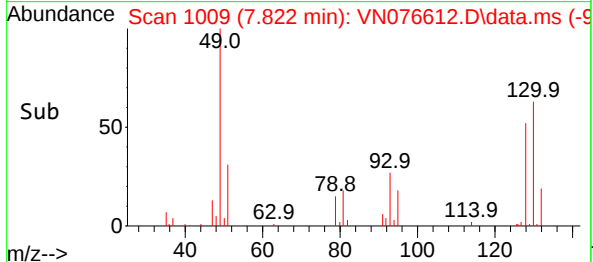
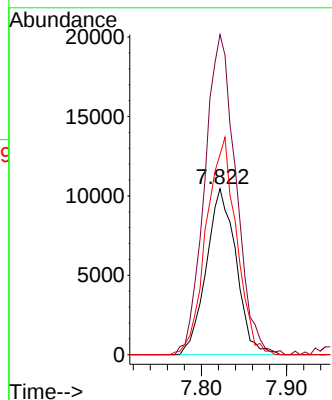
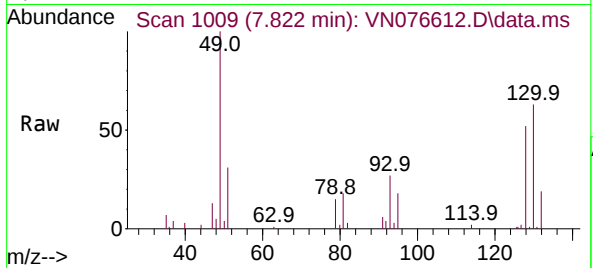




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076612.D
Acq: 10 Feb 2023 16:21

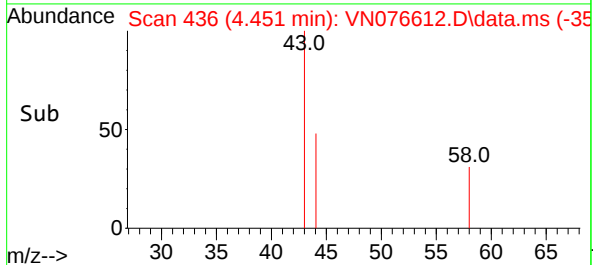
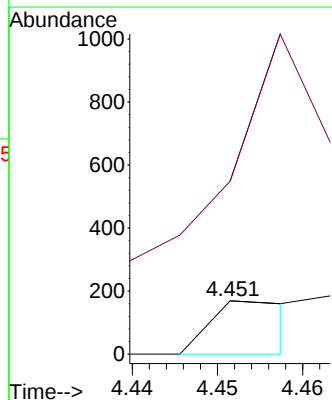
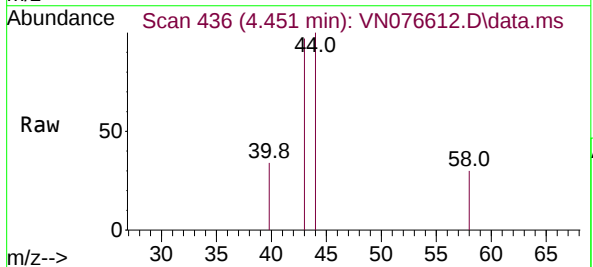
Instrument :
MSVOA_N
ClientSampleId :
14B-3

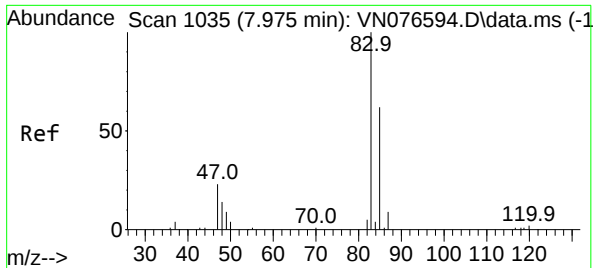
Tgt Ion:128 Resp: 25447
Ion Ratio Lower Upper
128 100
49 202.2 0.0 492.0
130 133.2 0.0 313.3



#15
Acetone
Concen: 0.230 ug/l
RT: 4.451 min Scan# 436
Delta R.T. -0.002 min
Lab File: VN076612.D
Acq: 10 Feb 2023 16:21

Tgt Ion: 58 Resp: 116
Ion Ratio Lower Upper
58 100
43 101.2 232.2 348.4#

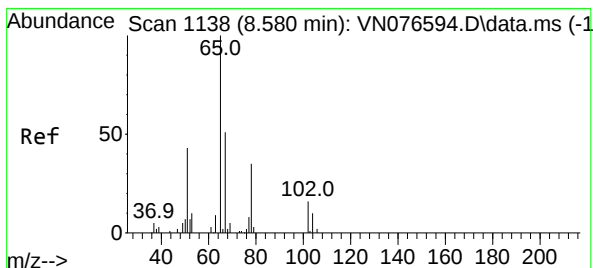
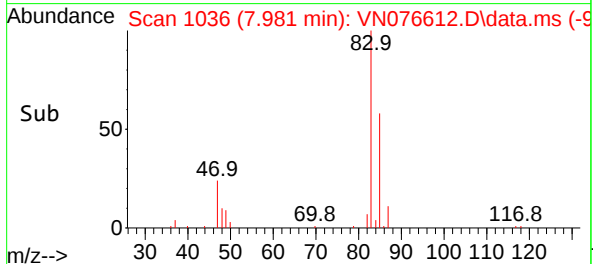
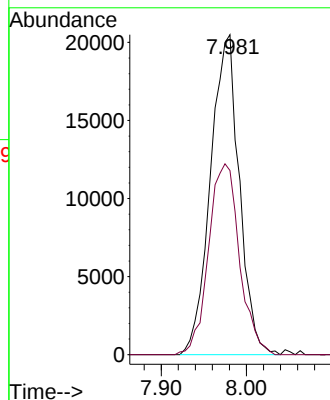
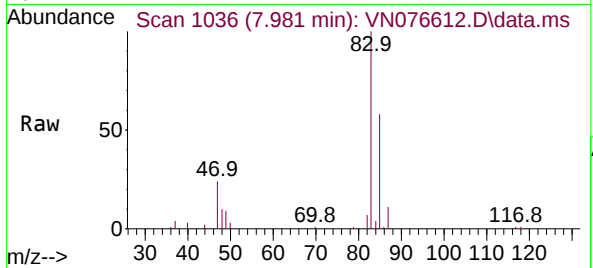




#25
Chloroform
Concen: 7.150 ug/l
RT: 7.981 min Scan# 1036
Delta R.T. 0.004 min
Lab File: VN076612.D
Acq: 10 Feb 2023 16:21

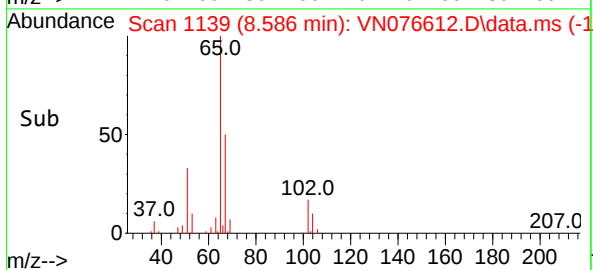
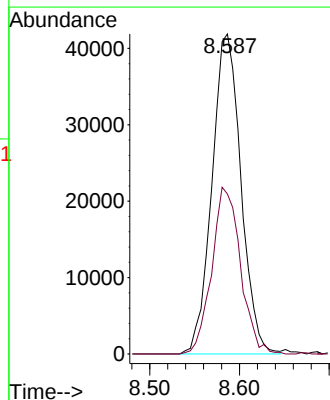
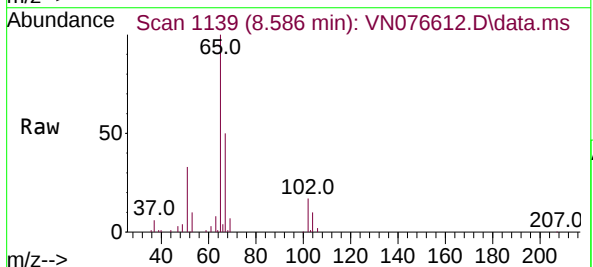
Instrument :
MSVOA_N
ClientSampleId :
14B-3

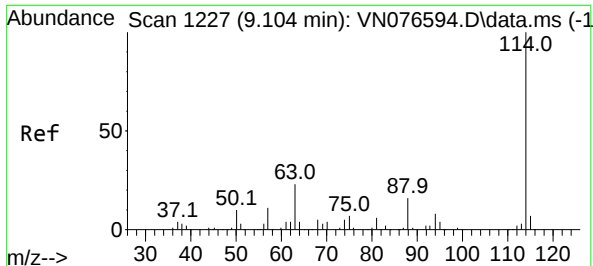
Tgt Ion: 83 Resp: 48223
Ion Ratio Lower Upper
83 100
85 57.5 53.6 80.4



#27
1,2-Dichloroethane-d4
Concen: 31.333 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. -0.002 min
Lab File: VN076612.D
Acq: 10 Feb 2023 16:21

Tgt Ion: 65 Resp: 93976
Ion Ratio Lower Upper
65 100
67 51.4 45.2 67.8

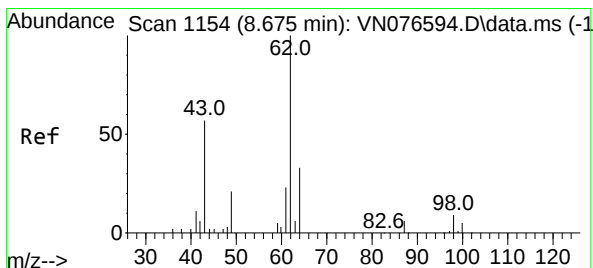
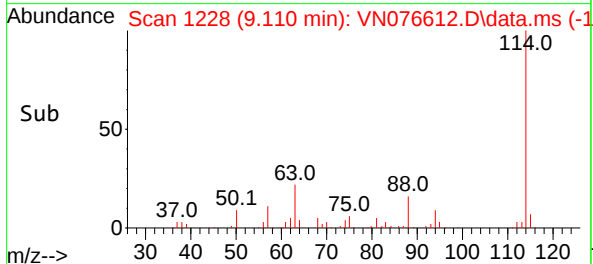
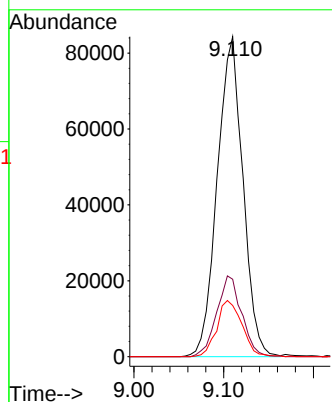
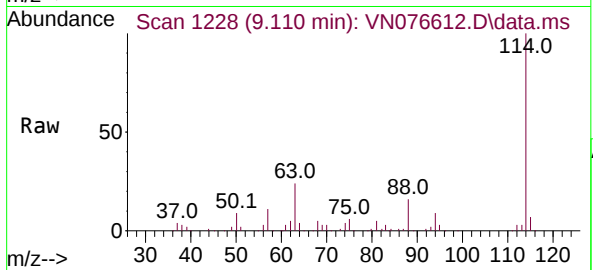




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.110 min Scan# 11
 Delta R.T. 0.004 min
 Lab File: VN076612.D
 Acq: 10 Feb 2023 16:21

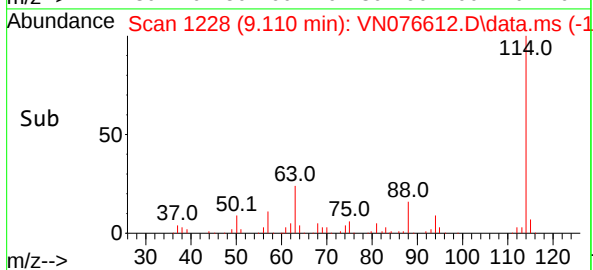
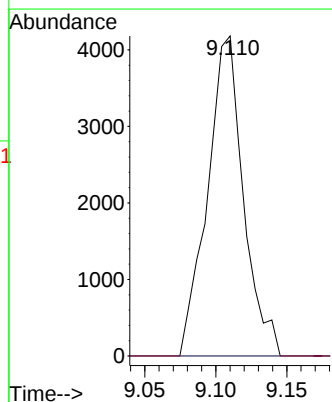
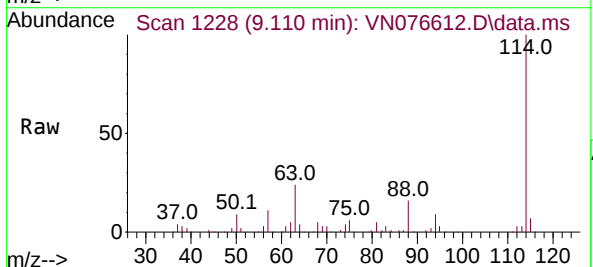
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

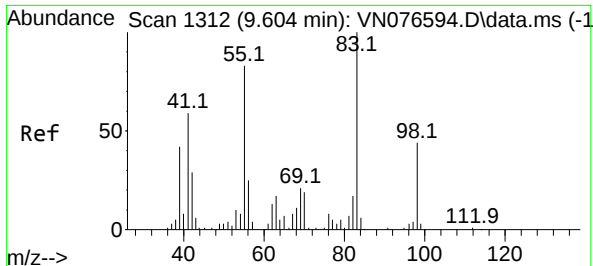
Tgt Ion:114 Resp: 167332
 Ion Ratio Lower Upper
 114 100
 63 24.5 16.6 25.0
 88 17.2 12.2 18.4



#36
 1,2-Dichloroethane
 Concen: 1.442 ug/l
 RT: 9.110 min Scan# 1228
 Delta R.T. 0.427 min
 Lab File: VN076612.D
 Acq: 10 Feb 2023 16:21

Tgt Ion: 62 Resp: 7357
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.2#





#38

Methylcyclohexane

Concen: 1.424 ug/l

RT: 9.892 min Scan# 1361

Delta R.T. 0.286 min

Lab File: VN076612.D

Acq: 10 Feb 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

14B-3

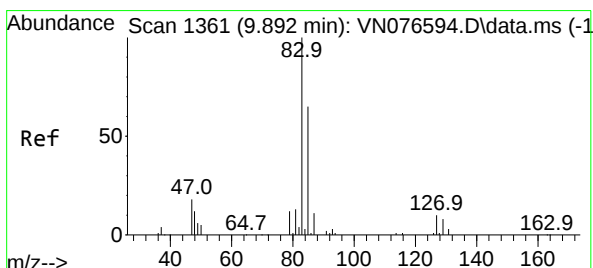
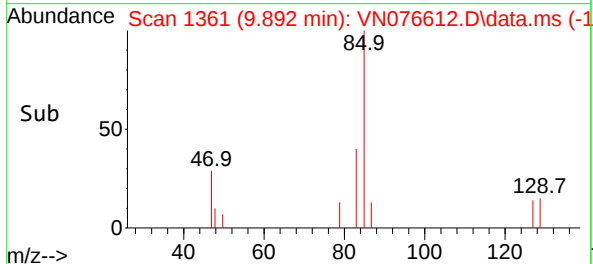
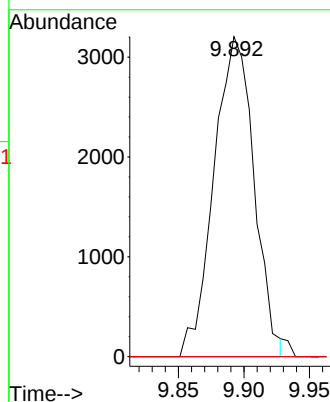
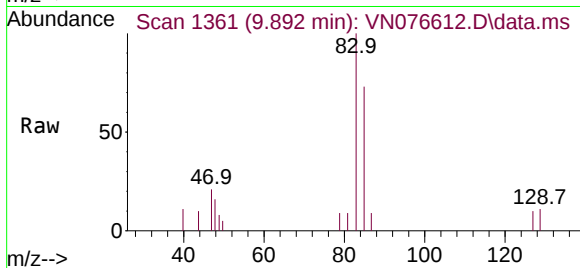
Tgt Ion: 83 Resp: 6827

Ion Ratio Lower Upper

83 100

55 0.0 37.4 112.2#

98 0.0 24.5 73.5#



#41

Bromodichloromethane

Concen: 1.554 ug/l

RT: 9.892 min Scan# 1361

Delta R.T. 0.004 min

Lab File: VN076612.D

Acq: 10 Feb 2023 16:21

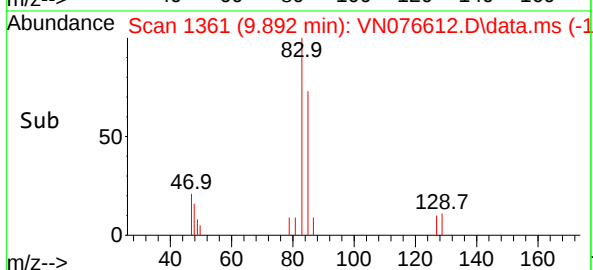
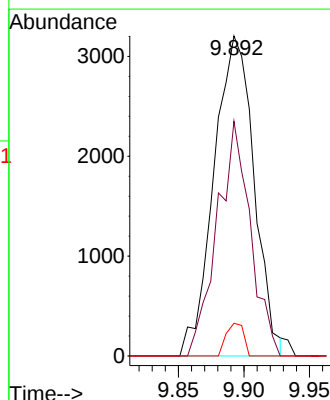
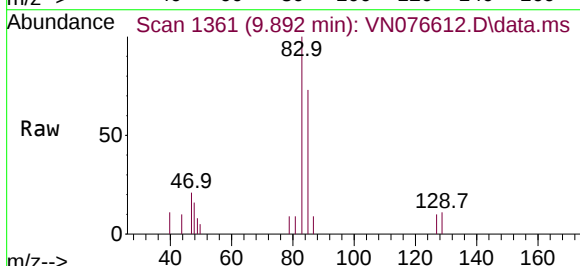
Tgt Ion: 83 Resp: 6827

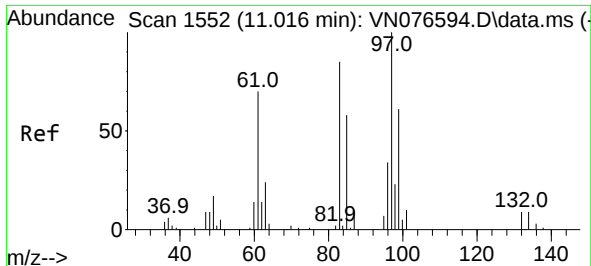
Ion Ratio Lower Upper

83 100

85 73.4 50.2 75.4

127 10.2 5.1 7.7#





#50

1,1,2-Trichloroethane

Concen: 2.309 ug/l

RT: 10.575 min Scan# 1477

Delta R.T. -0.443 min

Lab File: VN076612.D

Acq: 10 Feb 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

14B-3

Tgt Ion: 97 Resp: 6553

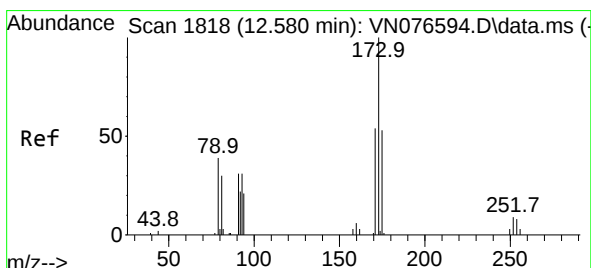
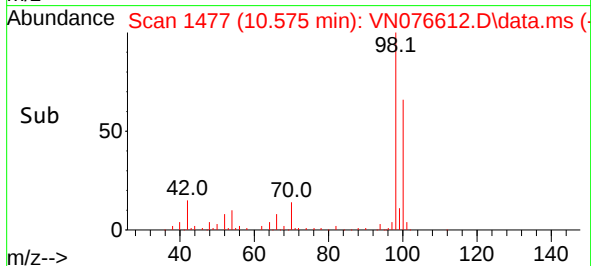
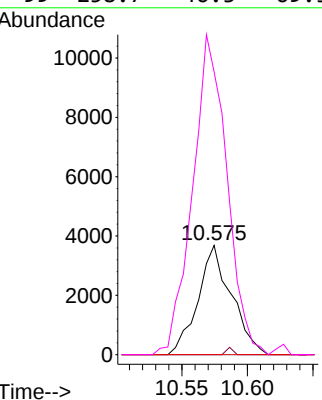
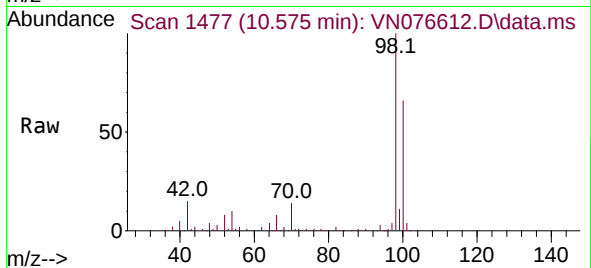
Ion Ratio Lower Upper

97 100

83 0.0 69.2 103.8#

85 0.0 41.4 62.2#

99 258.7 46.3 69.5#



#56

Bromoform

Concen: 0.266 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. 0.275 min

Lab File: VN076612.D

Acq: 10 Feb 2023 16:21

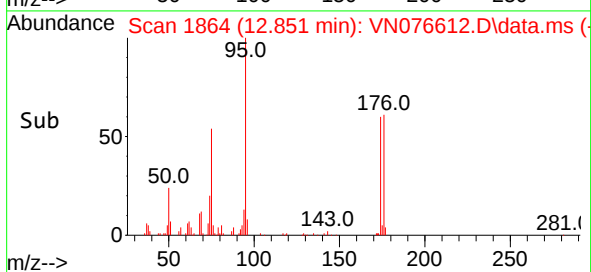
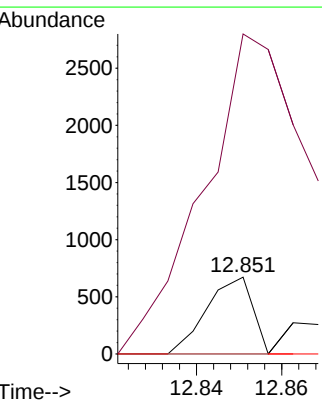
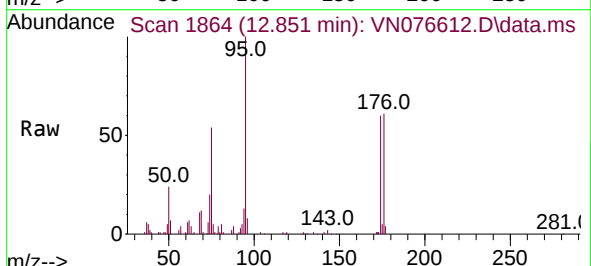
Tgt Ion:173 Resp: 505

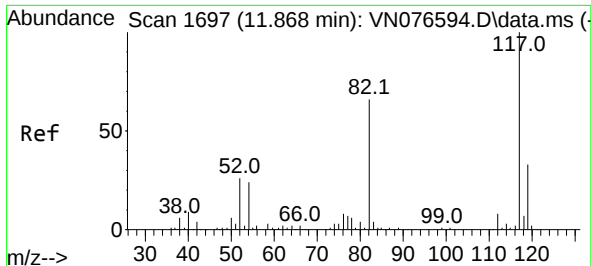
Ion Ratio Lower Upper

173 100

175 923.6 39.1 58.7#

254 0.0 7.0 10.6#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.869 min Scan# 117

Delta R.T. -0.002 min

Lab File: VN076612.D

Acq: 10 Feb 2023 16:21

Instrument :

MSVOA_N

ClientSampleId :

14B-3

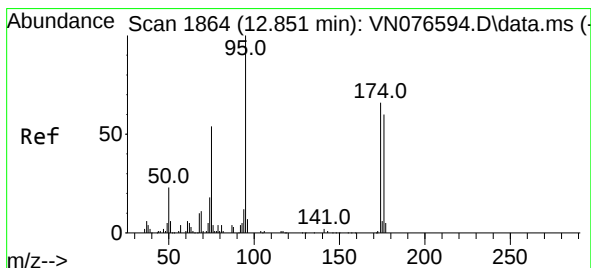
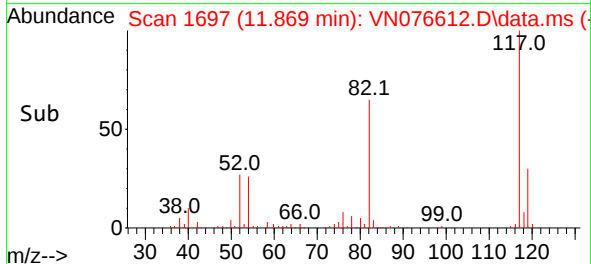
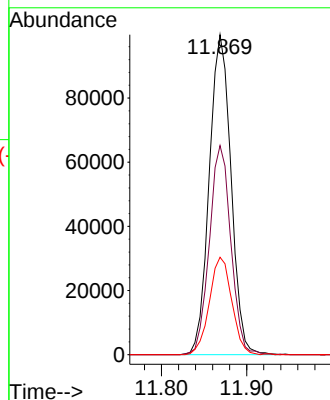
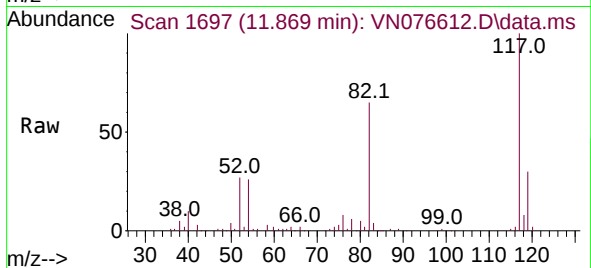
Tgt Ion:117 Resp: 176780

Ion Ratio Lower Upper

117 100

82 64.6 44.6 67.0

119 31.4 25.6 38.4



#60

4-Bromofluorobenzene

Concen: 22.671 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.002 min

Lab File: VN076612.D

Acq: 10 Feb 2023 16:21

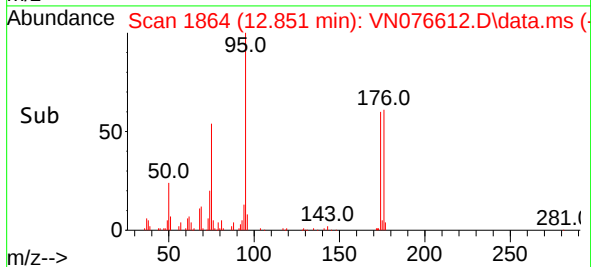
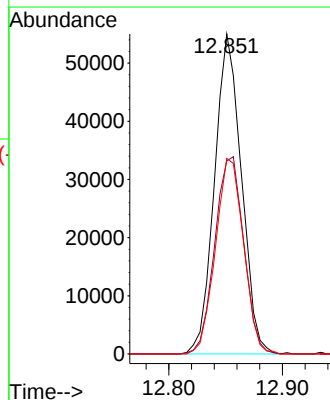
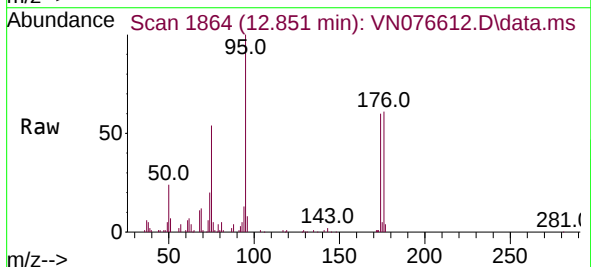
Tgt Ion: 95 Resp: 90478

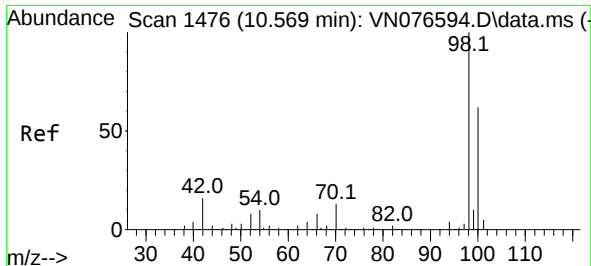
Ion Ratio Lower Upper

95 100

174 66.3 57.8 86.8

176 63.8 57.0 85.4

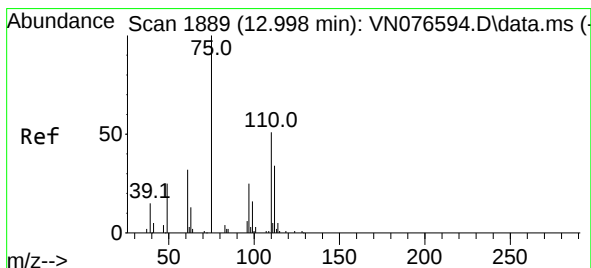
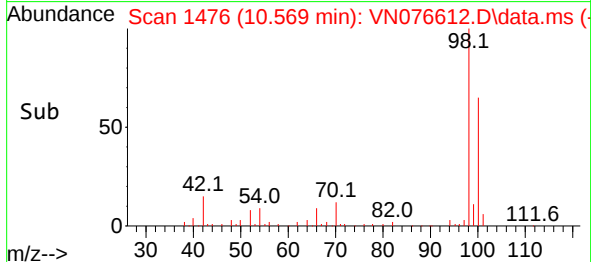
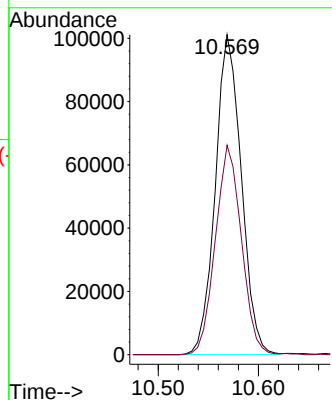
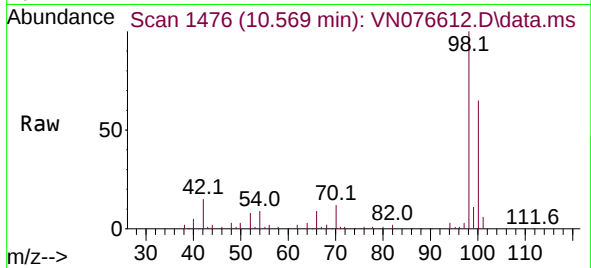




#63
Toluene-d8
Concen: 28.088 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076612.D
Acq: 10 Feb 2023 16:21

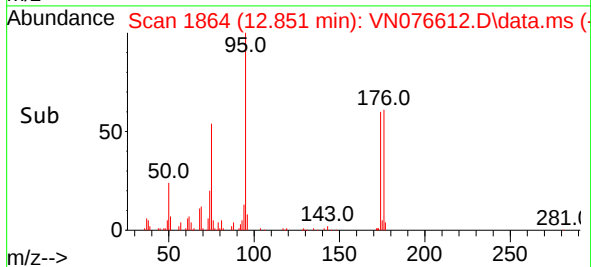
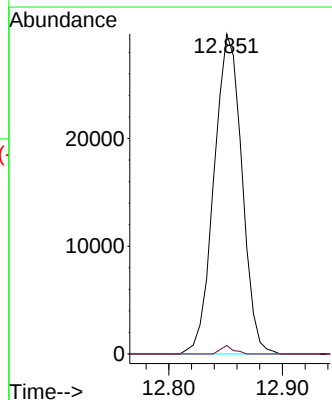
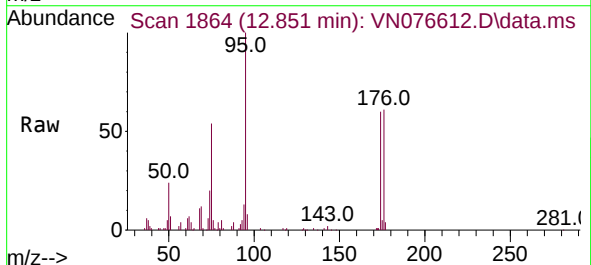
Instrument :
MSVOA_N
ClientSampleId :
14B-3

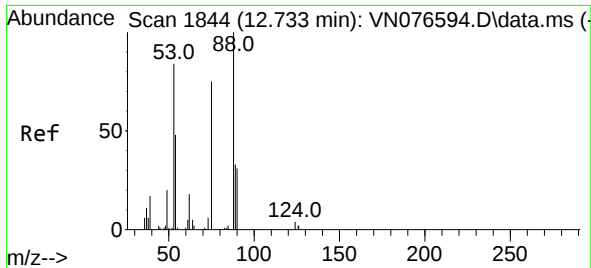
Tgt Ion: 98 Resp: 182320
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 11.189 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.143 min
Lab File: VN076612.D
Acq: 10 Feb 2023 16:21

Tgt Ion: 75 Resp: 50709
Ion Ratio Lower Upper
75 100
77 1.2 0.0 372.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 37.094 ug/l
 RT: 12.851 min Scan# 11
 Delta R.T. 0.116 min
 Lab File: VN076612.D
 Acq: 10 Feb 2023 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Tgt Ion: 75 Resp: 50709
 Ion Ratio Lower Upper
 75 100
 53 0.0 43.3 129.9#
 89 0.0 21.1 63.1#

