

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076608.D
 Acq On : 10 Feb 2023 14:44
 Operator : JC\MD
 Sample : 01457-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Feb 11 00:56:37 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)

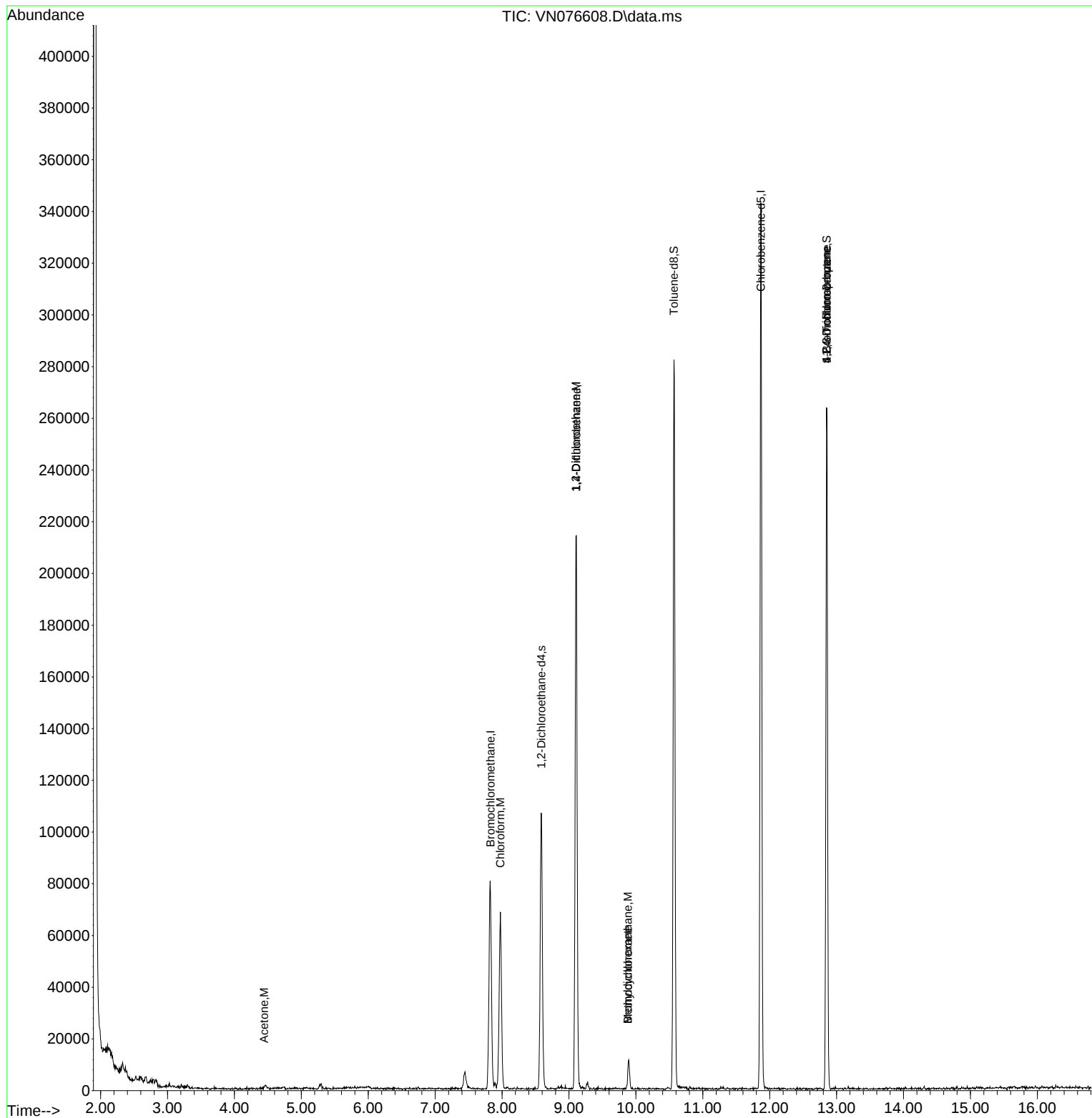
Internal Standards						
1) Bromochloromethane	7.828	128	25547	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.110	114	168864	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.868	117	181075	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	90100	29.923	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.733%
60) 4-Bromofluorobenzene	12.851	95	93816	22.949	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.500%
63) Toluene-d8	10.569	98	188035	28.282	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.267%
Target Compounds						
					Qvalue	
15) Acetone	4.445	58	314	0.620	ug/l #	1
25) Chloroform	7.975	83	64217	9.484	ug/l	95
36) 1,2-Dichloroethane	9.104	62	6774	1.315	ug/l #	74
38) Methylcyclohexane	9.880	83	3154	0.652	ug/l #	18
41) Bromodichloromethane	9.880	83	3154	0.711	ug/l #	83
72) 1,2,3-Trichloropropane	12.851	75	52681	11.348	ug/l	1
77) t-1,4-Dichloro-2-butene	12.851	75	52681	37.623	ug/l #	15

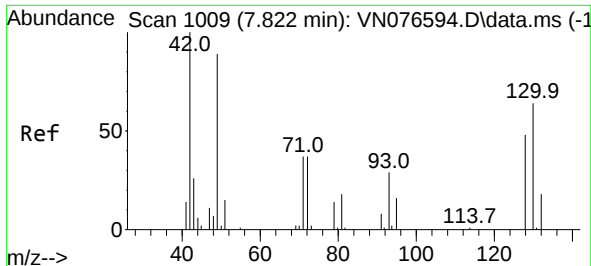
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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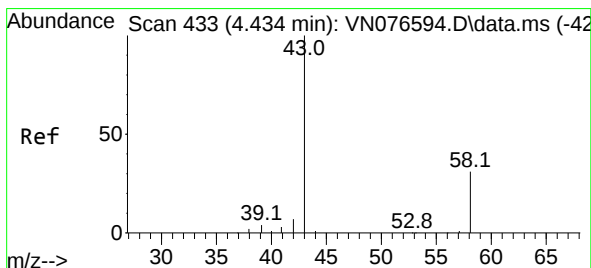
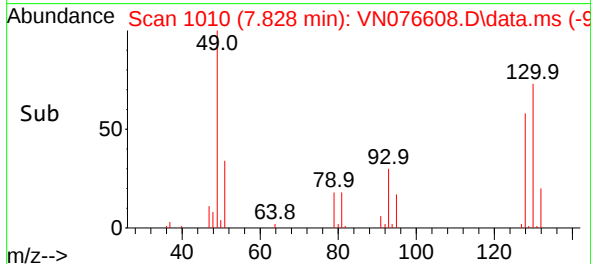
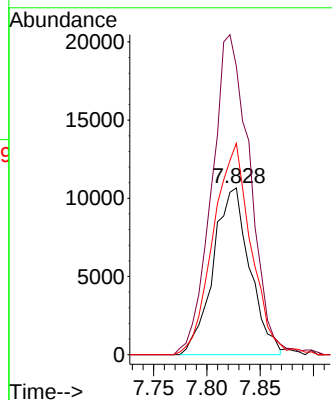
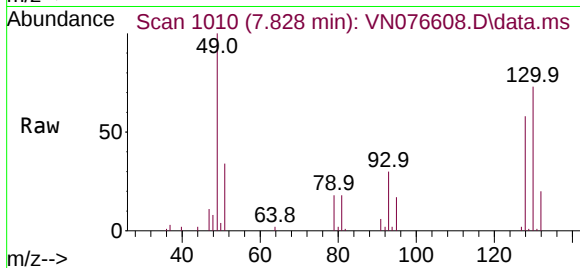




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.828 min Scan# 1009
Delta R.T. -0.002 min
Lab File: VN076608.D
Acq: 10 Feb 2023 14:44

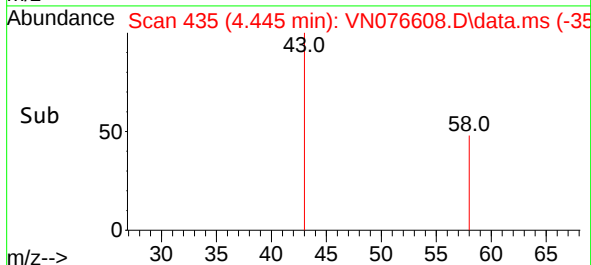
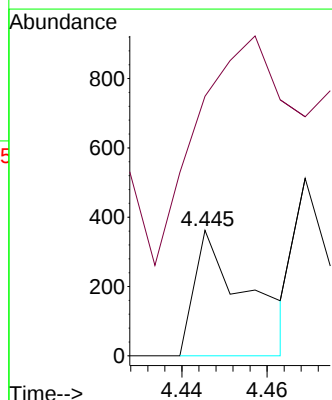
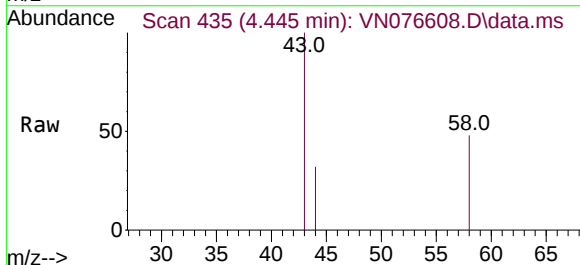
Instrument :
MSVOA_N
ClientSampleId :
14B-3

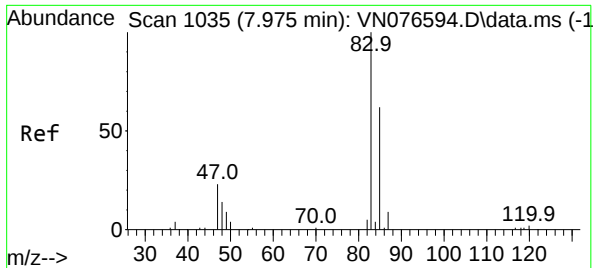
Tgt Ion:128 Resp: 25547
Ion Ratio Lower Upper
128 100
49 199.6 0.0 492.0
130 130.2 0.0 313.3



#15
Acetone
Concen: 0.620 ug/l
RT: 4.445 min Scan# 435
Delta R.T. -0.008 min
Lab File: VN076608.D
Acq: 10 Feb 2023 14:44

Tgt Ion: 58 Resp: 314
Ion Ratio Lower Upper
58 100
43 60.8 232.2 348.4#

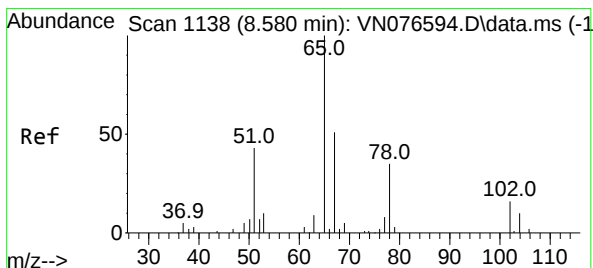
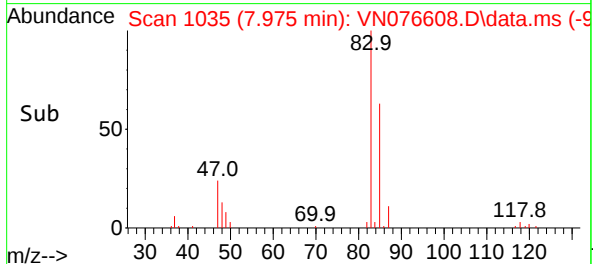
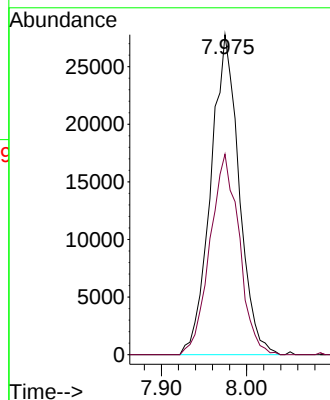
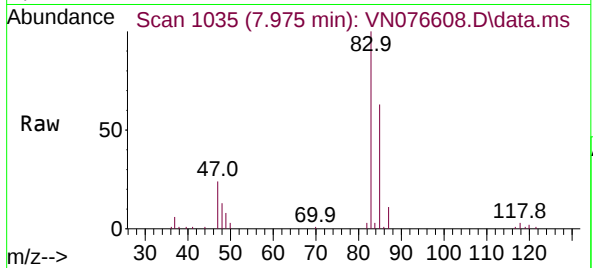




#25
Chloroform
Concen: 9.484 ug/l
RT: 7.975 min Scan# 1103
Delta R.T. -0.002 min
Lab File: VN076608.D
Acq: 10 Feb 2023 14:44

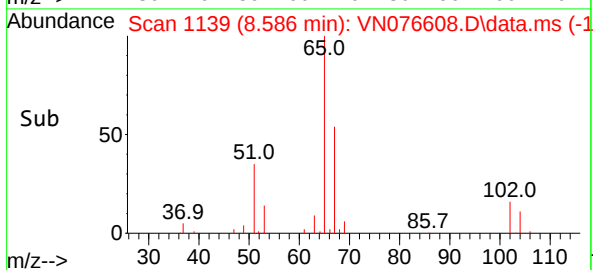
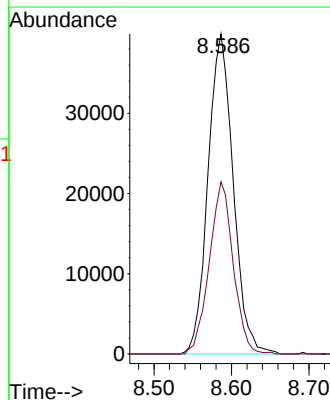
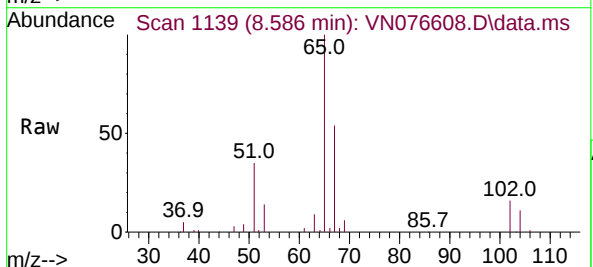
Instrument :
MSVOA_N
ClientSampleId :
14B-3

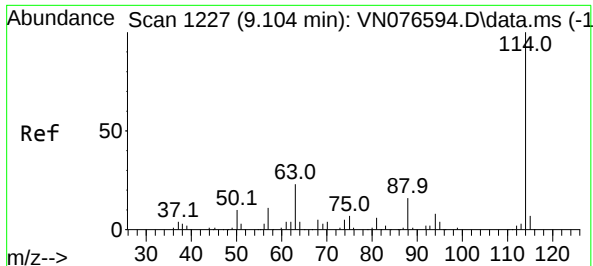
Tgt Ion: 83 Resp: 64217
Ion Ratio Lower Upper
83 100
85 62.6 53.6 80.4



#27
1,2-Dichloroethane-d4
Concen: 29.923 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. -0.002 min
Lab File: VN076608.D
Acq: 10 Feb 2023 14:44

Tgt Ion: 65 Resp: 90100
Ion Ratio Lower Upper
65 100
67 51.0 45.2 67.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.004 min

Lab File: VN076608.D

Acq: 10 Feb 2023 14:44

Instrument :

MSVOA_N

ClientSampleId :

14B-3

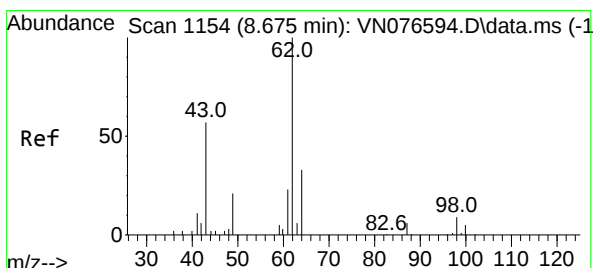
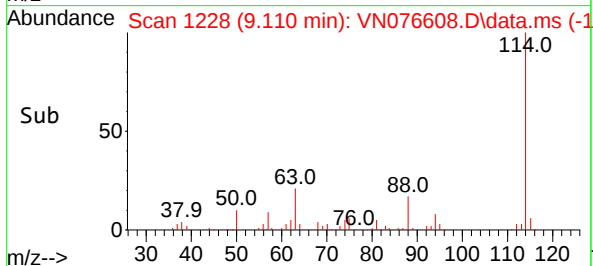
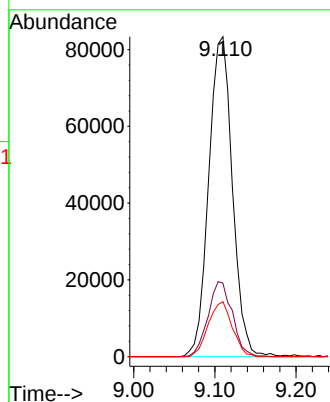
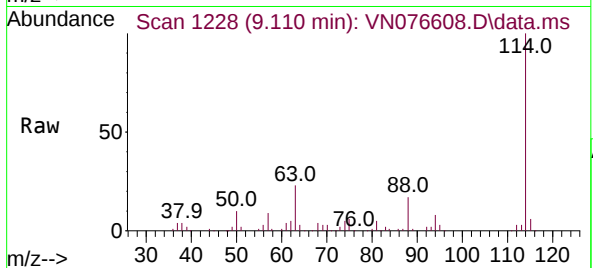
Tgt Ion:114 Resp: 168864

Ion Ratio Lower Upper

114 100

63 24.0 16.6 25.0

88 17.4 12.2 18.4



#36

1,2-Dichloroethane

Concen: 1.315 ug/l

RT: 9.104 min Scan# 1227

Delta R.T. 0.421 min

Lab File: VN076608.D

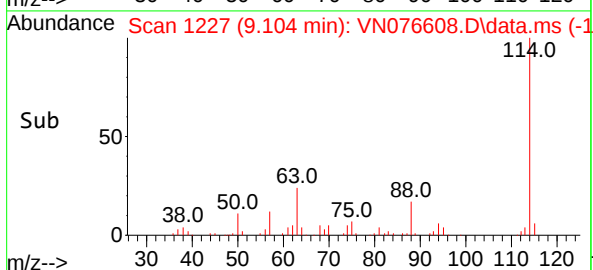
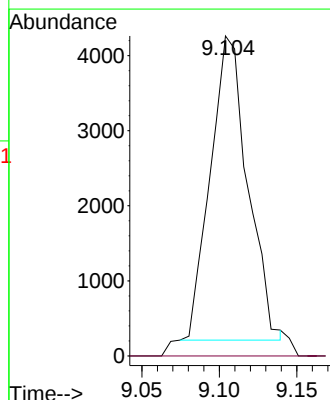
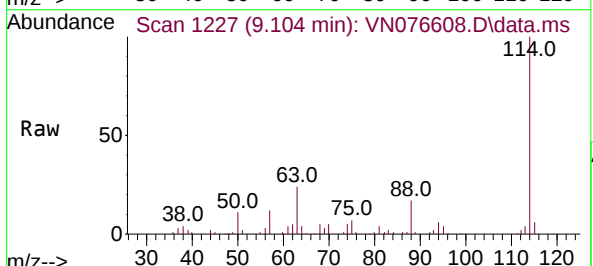
Acq: 10 Feb 2023 14:44

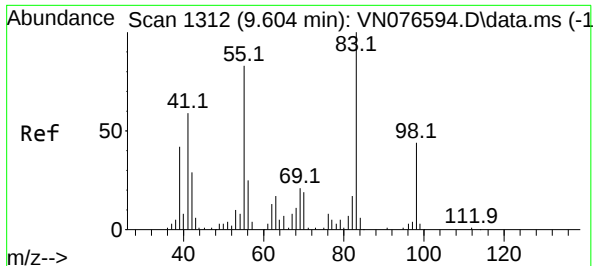
Tgt Ion: 62 Resp: 6774

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#





#38

Methylcyclohexane

Concen: 0.652 ug/l

RT: 9.880 min Scan# 1359

Delta R.T. 0.274 min

Lab File: VN076608.D

Acq: 10 Feb 2023 14:44

Instrument :

MSVOA_N

ClientSampleId :

14B-3

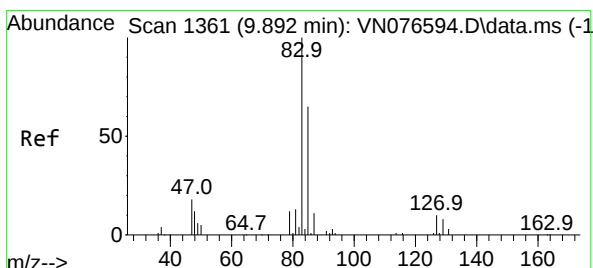
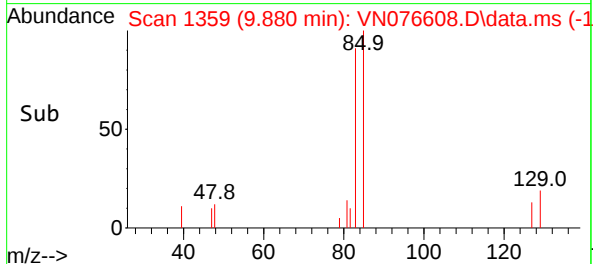
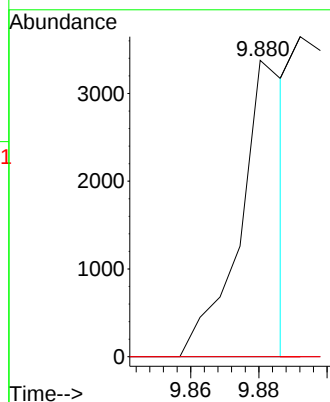
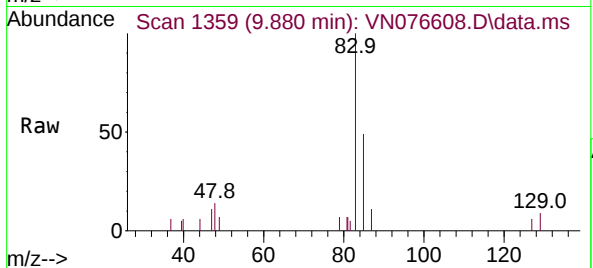
Tgt Ion: 83 Resp: 3154

Ion Ratio Lower Upper

83 100

55 0.0 37.4 112.2#

98 0.0 24.5 73.5#



#41

Bromodichloromethane

Concen: 0.711 ug/l

RT: 9.880 min Scan# 1359

Delta R.T. -0.008 min

Lab File: VN076608.D

Acq: 10 Feb 2023 14:44

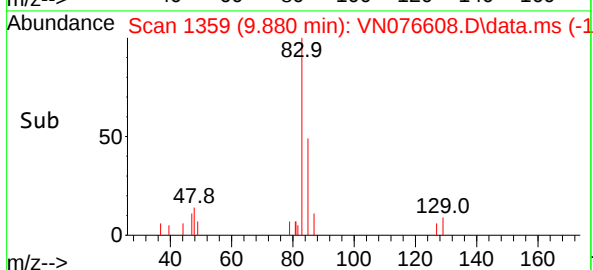
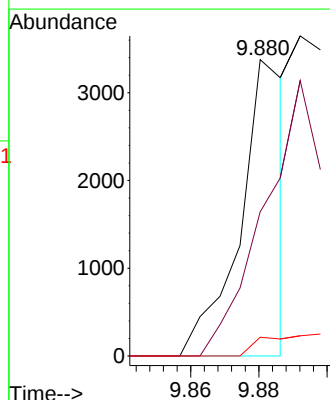
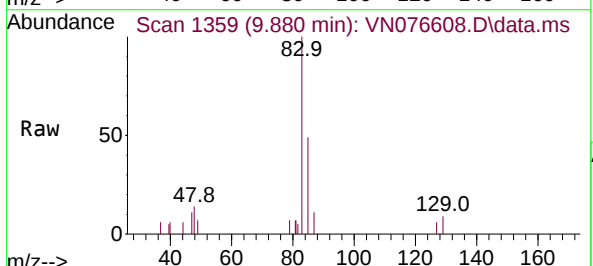
Tgt Ion: 83 Resp: 3154

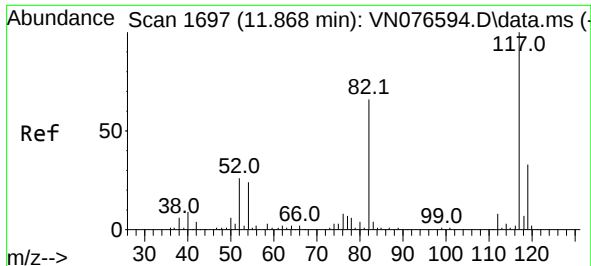
Ion Ratio Lower Upper

83 100

85 48.6 50.2 75.4#

127 6.3 5.1 7.7

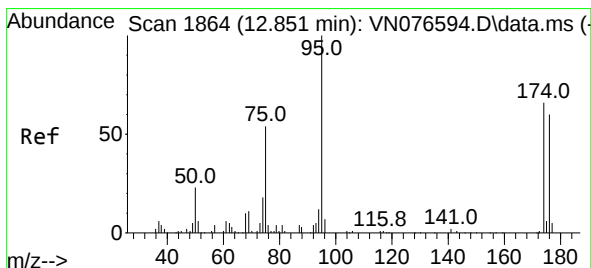
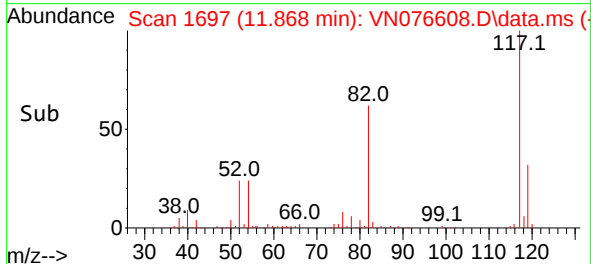
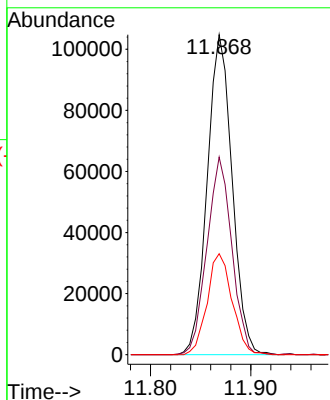
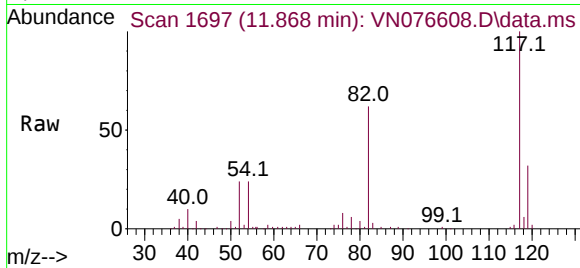




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.868 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VN076608.D
Acq: 10 Feb 2023 14:44

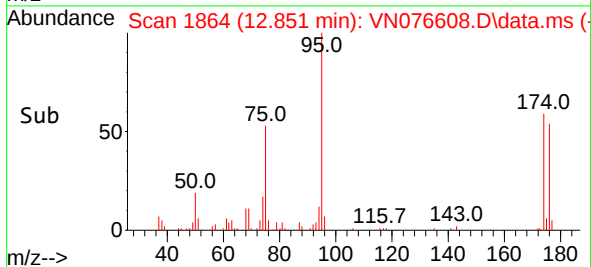
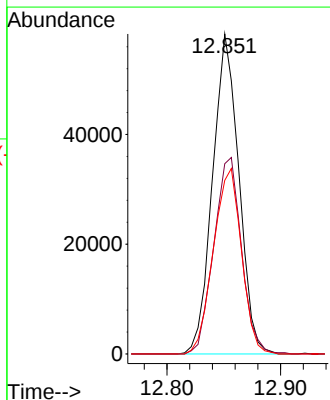
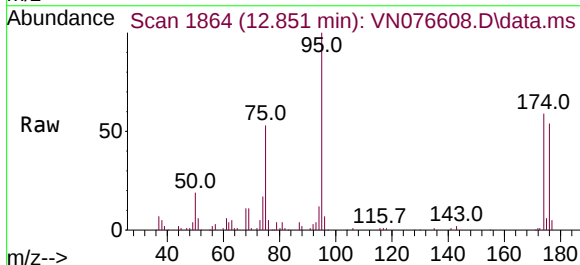
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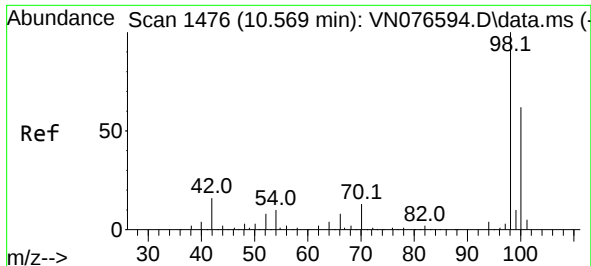
Tgt Ion:117 Resp: 181075
Ion Ratio Lower Upper
117 100
82 61.6 44.6 67.0
119 31.7 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 22.949 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076608.D
Acq: 10 Feb 2023 14:44

Tgt Ion: 95 Resp: 93816
Ion Ratio Lower Upper
95 100
174 64.6 57.8 86.8
176 61.8 57.0 85.4

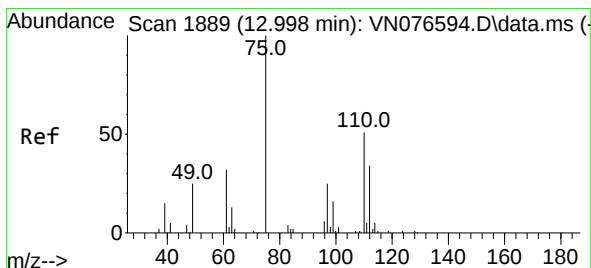
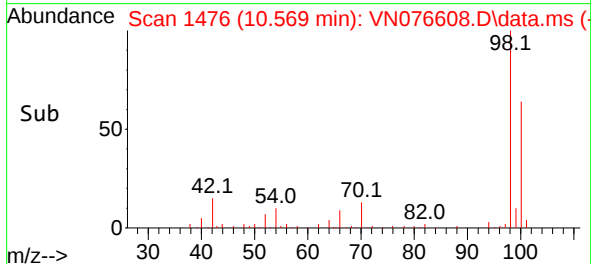
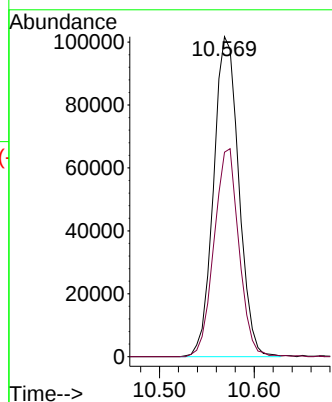
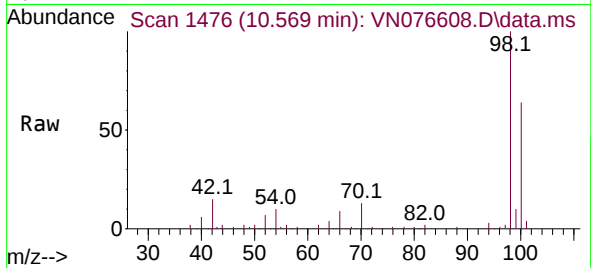




#63
Toluene-d8
Concen: 28.282 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076608.D
Acq: 10 Feb 2023 14:44

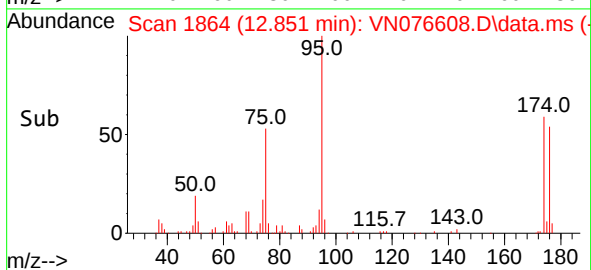
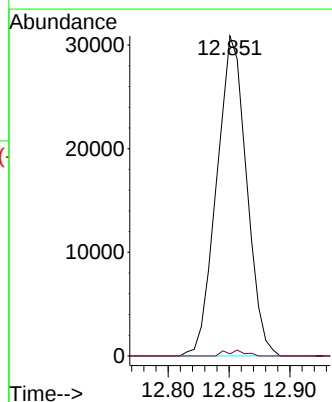
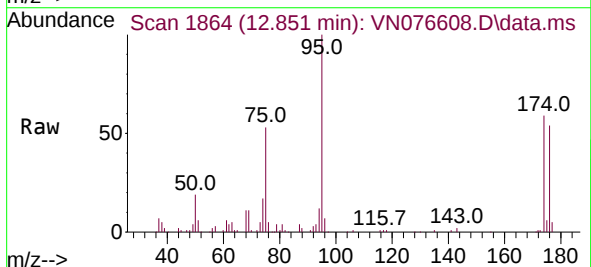
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14B-3

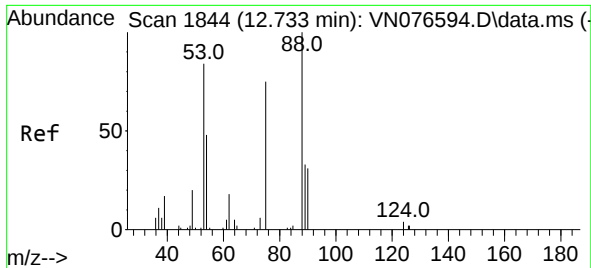
Tgt Ion: 98 Resp: 188035
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 11.348 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.143 min
Lab File: VN076608.D
Acq: 10 Feb 2023 14:44

Tgt Ion: 75 Resp: 52681
Ion Ratio Lower Upper
75 100
77 1.2 0.0 372.4





#77

t-1,4-Dichloro-2-butene

Concen: 37.623 ug/l

RT: 12.851 min Scan# 11

Delta R.T. 0.116 min

Lab File: VN076608.D

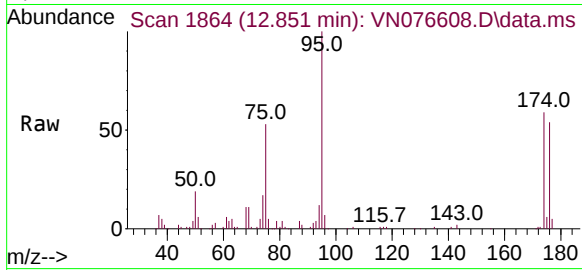
Acq: 10 Feb 2023 14:44

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 75 Resp: 52681

Ion Ratio Lower Upper

75 100

53 0.0 43.3 129.9#

89 0.0 21.1 63.1#

