

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076610.D
 Acq On : 10 Feb 2023 15:33
 Operator : JC\MD
 Sample : 01469-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Feb 11 00:57:15 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)

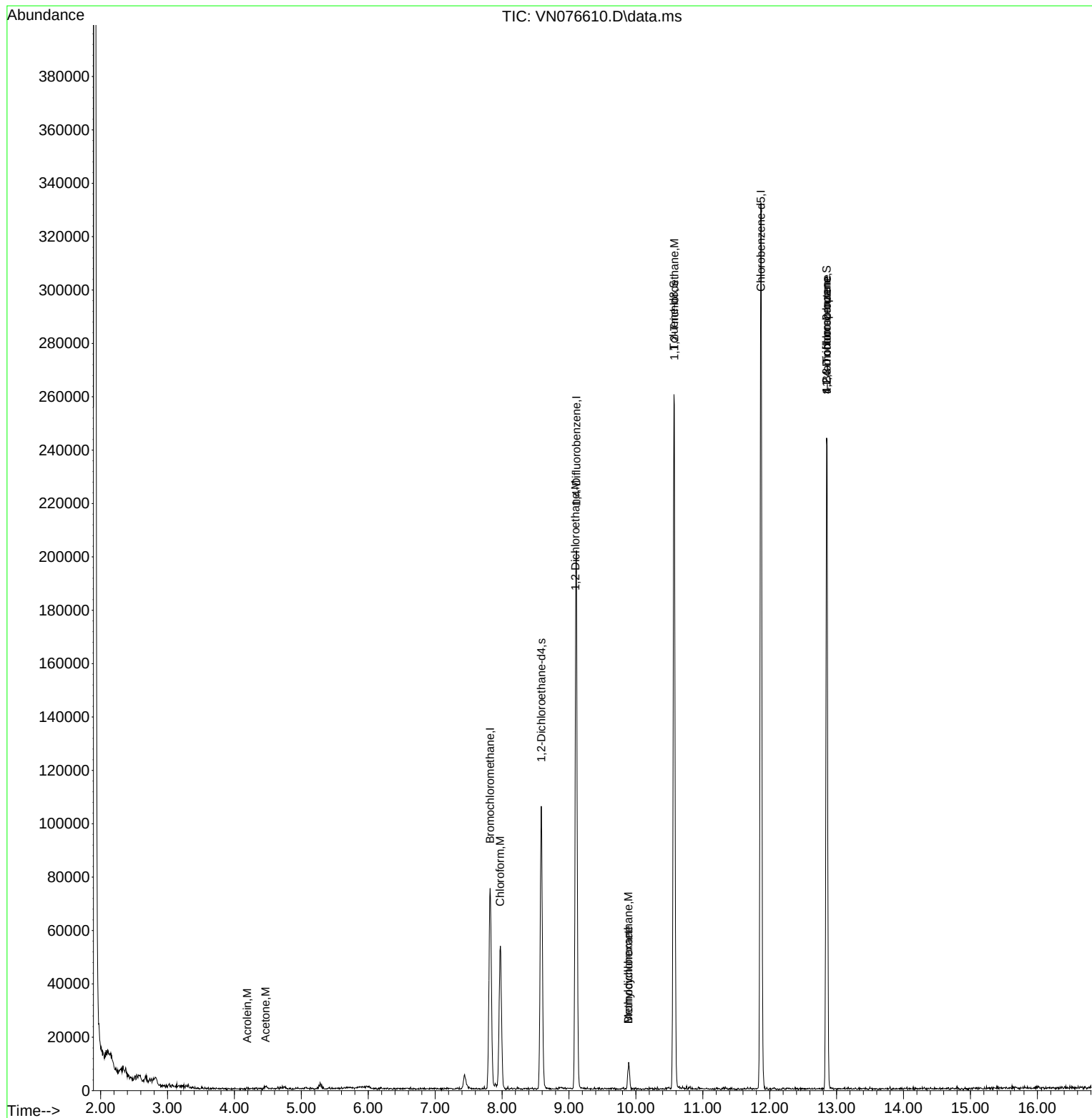
Internal Standards						
1) Bromochloromethane	7.822	128	23886	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.110	114	158753	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.868	117	166615	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	90210	32.043	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.800%
60) 4-Bromofluorobenzene	12.851	95	83586	22.222	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.067%
63) Toluene-d8	10.569	98	172447	28.188	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.967%
Target Compounds						
					Qvalue	
13) Acrolein	4.192	56	165	0.230	ug/l #	15
15) Acetone	4.463	58	146	0.308	ug/l #	62
25) Chloroform	7.969	83	51431	8.124	ug/l	91
36) 1,2-Dichloroethane	9.098	62	7505	1.550	ug/l #	74
38) Methylcyclohexane	9.886	83	6696	1.472	ug/l #	18
41) Bromodichloromethane	9.886	83	6696	1.607	ug/l #	84
50) 1,1,2-Trichloroethane	10.574	97	6937	2.577	ug/l #	1
72) 1,2,3-Trichloropropane	12.851	75	49566	11.604	ug/l	1
77) t-1,4-Dichloro-2-butene	12.851	75	49566	38.470	ug/l #	15

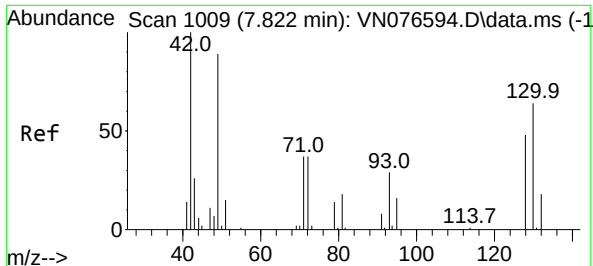
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 11 00:57:15 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

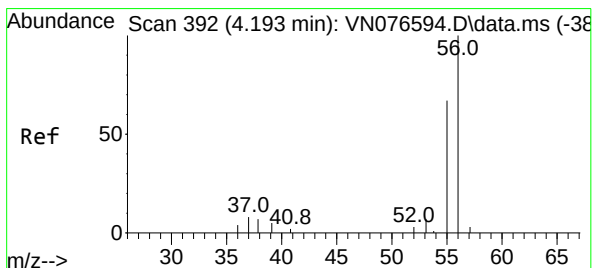
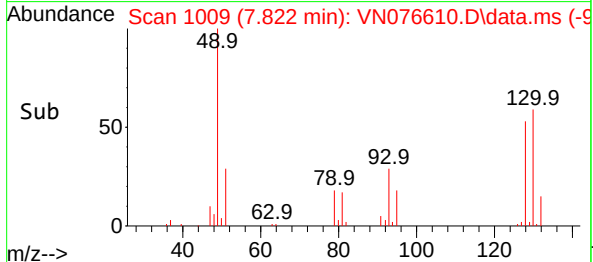
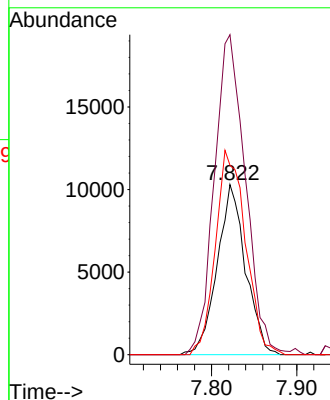
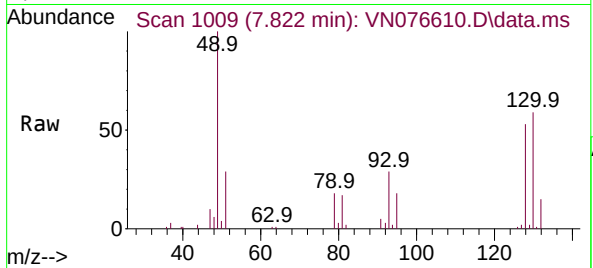




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

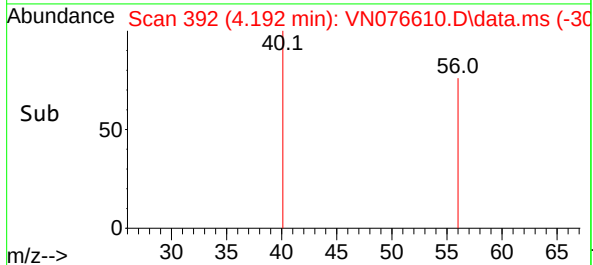
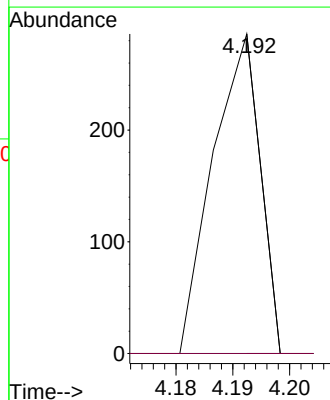
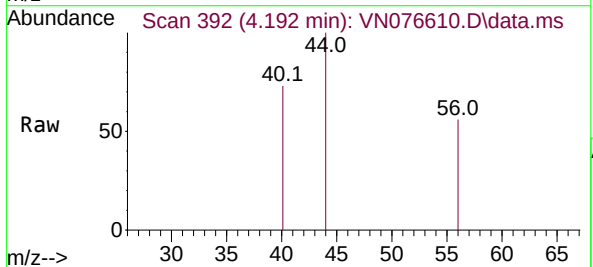
Instrument :
MSVOA_N
ClientSampleId :
14B-1

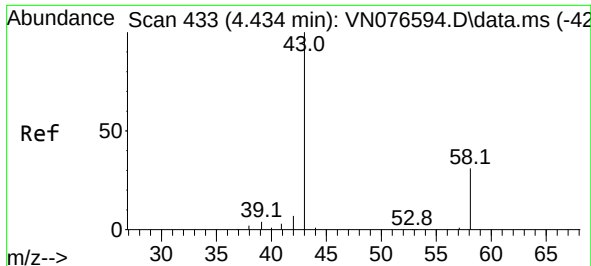
Tgt Ion:128 Resp: 23886
Ion Ratio Lower Upper
128 100
49 205.4 0.0 492.0
130 127.2 0.0 313.3



#13
Acrolein
Concen: 0.230 ug/l
RT: 4.192 min Scan# 392
Delta R.T. -0.014 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#

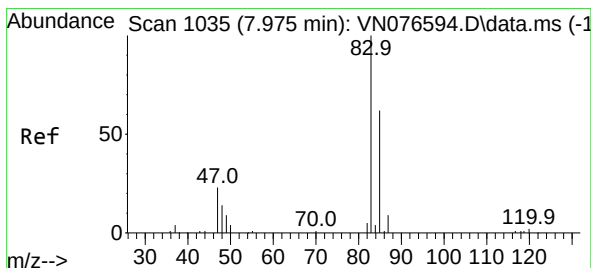
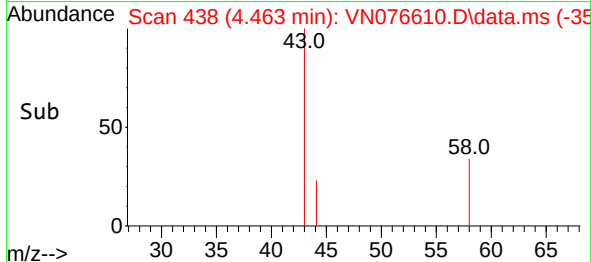
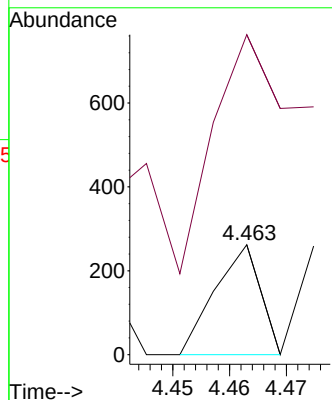
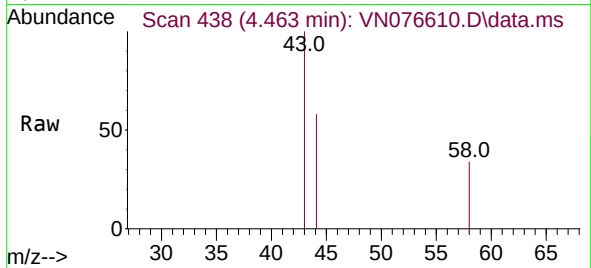




#15
Acetone
Concen: 0.308 ug/l
RT: 4.463 min Scan# 41
Delta R.T. 0.010 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

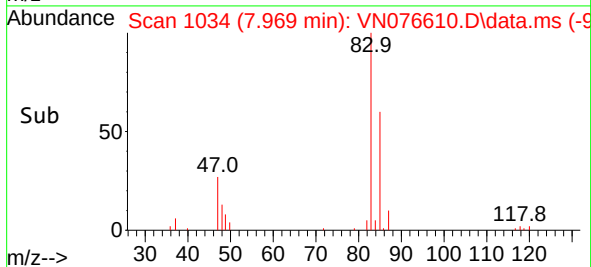
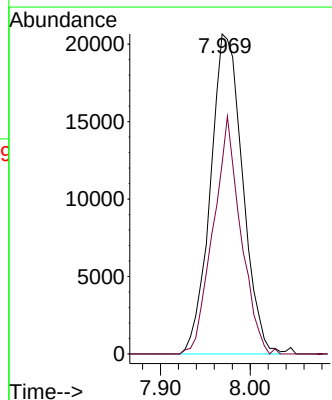
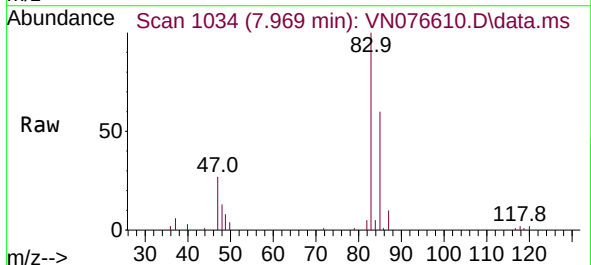
Instrument :
MSVOA_N
ClientSampleId :
14B-1

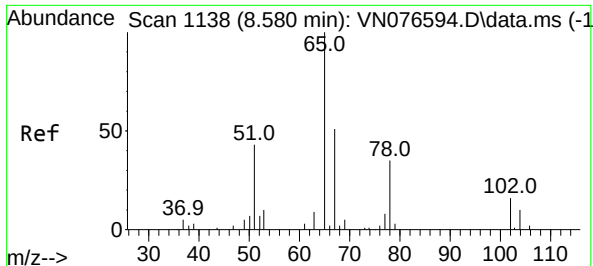
Tgt Ion: 58 Resp: 146
Ion Ratio Lower Upper
58 100
43 217.6 232.2 348.4#



#25
Chloroform
Concen: 8.124 ug/l
RT: 7.969 min Scan# 1034
Delta R.T. -0.008 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

Tgt Ion: 83 Resp: 51431
Ion Ratio Lower Upper
83 100
85 59.6 53.6 80.4





#27

1,2-Dichloroethane-d4

Concen: 32.043 ug/l

RT: 8.586 min Scan# 1138

Delta R.T. -0.002 min

Lab File: VN076610.D

Acq: 10 Feb 2023 15:33

Instrument :

MSVOA_N

ClientSampleId :

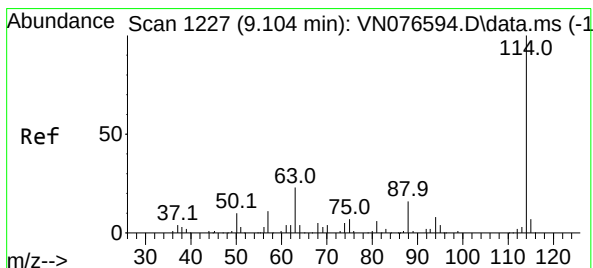
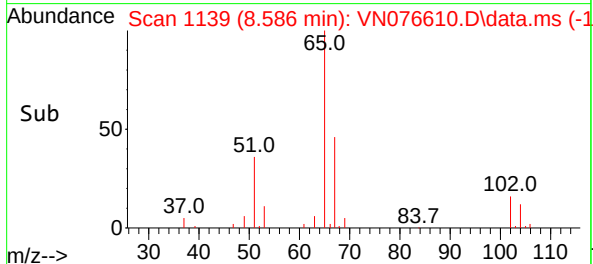
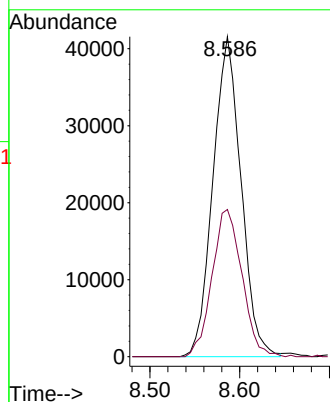
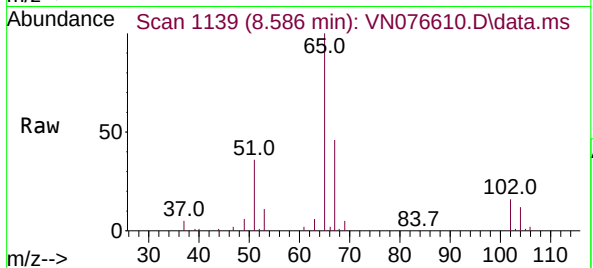
14B-1

Tgt Ion: 65 Resp: 90210

Ion Ratio Lower Upper

65 100

67 49.0 45.2 67.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.110 min Scan# 1228

Delta R.T. 0.004 min

Lab File: VN076610.D

Acq: 10 Feb 2023 15:33

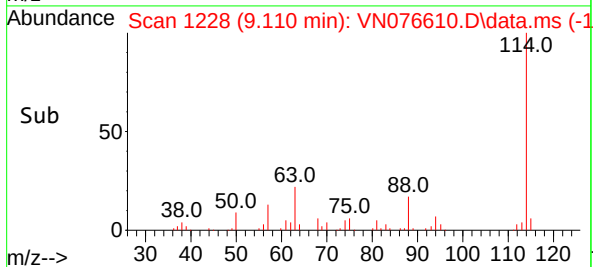
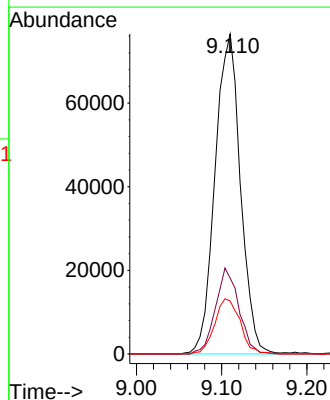
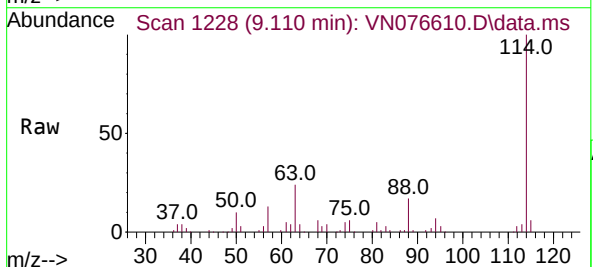
Tgt Ion: 114 Resp: 158753

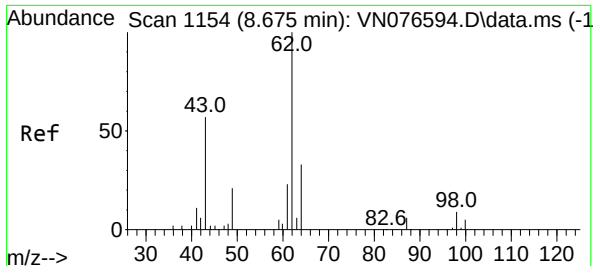
Ion Ratio Lower Upper

114 100

63 24.7 16.6 25.0

88 17.3 12.2 18.4





#36

1,2-Dichloroethane

Concen: 1.550 ug/l

RT: 9.098 min Scan# 11

Delta R.T. 0.415 min

Lab File: VN076610.D

Acq: 10 Feb 2023 15:33

Instrument :

MSVOA_N

ClientSampleId :

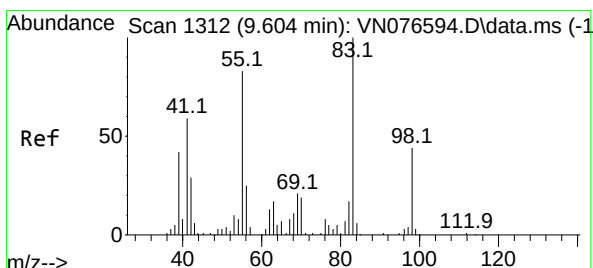
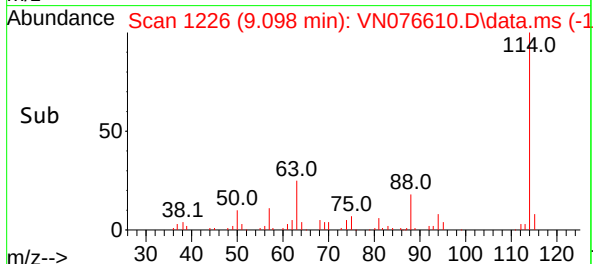
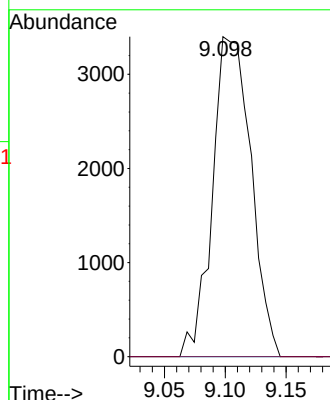
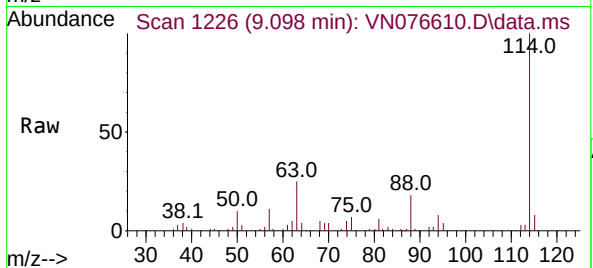
14B-1

Tgt Ion: 62 Resp: 7505

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#



#38

Methylcyclohexane

Concen: 1.472 ug/l

RT: 9.886 min Scan# 1360

Delta R.T. 0.280 min

Lab File: VN076610.D

Acq: 10 Feb 2023 15:33

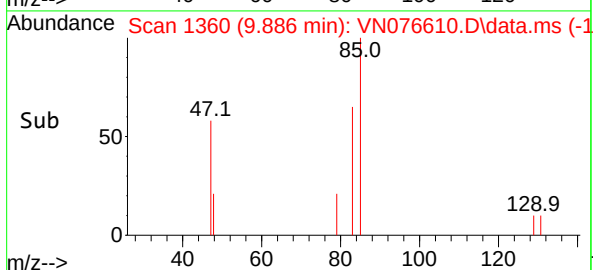
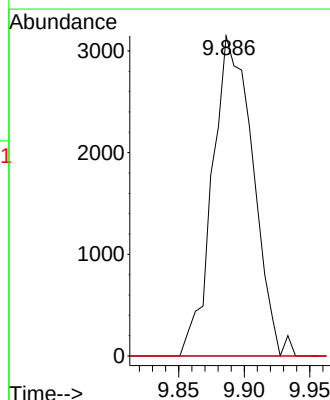
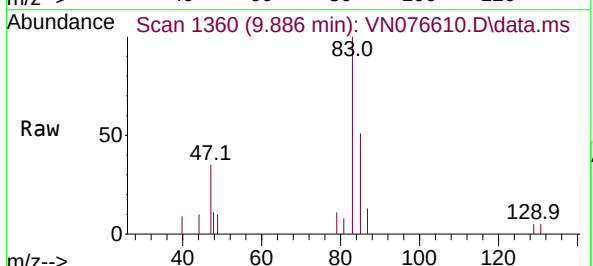
Tgt Ion: 83 Resp: 6696

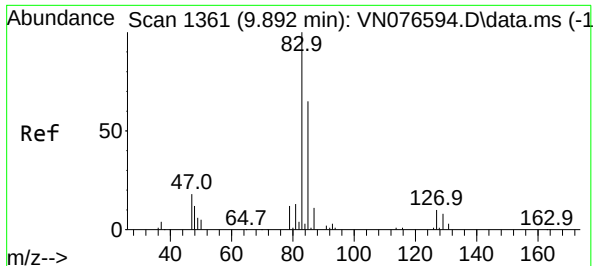
Ion Ratio Lower Upper

83 100

55 0.0 37.4 112.2#

98 0.0 24.5 73.5#

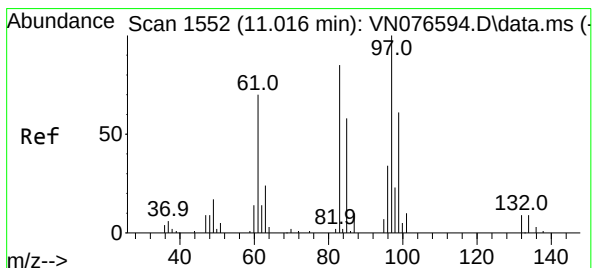
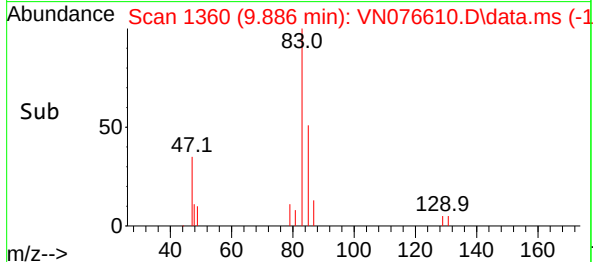
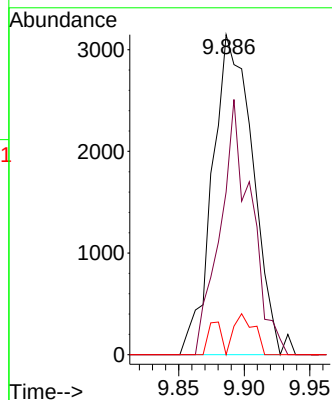
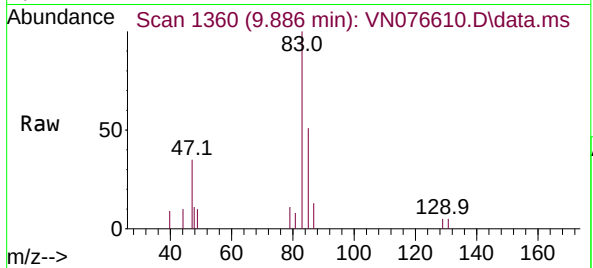




#41
Bromodichloromethane
Concen: 1.607 ug/l
RT: 9.886 min Scan# 11
Delta R.T. -0.002 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

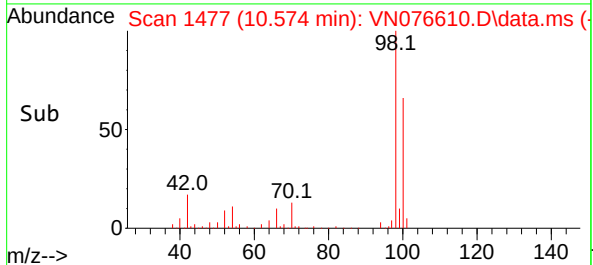
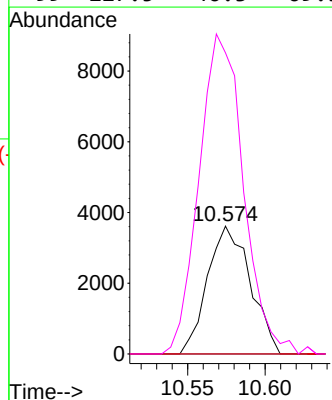
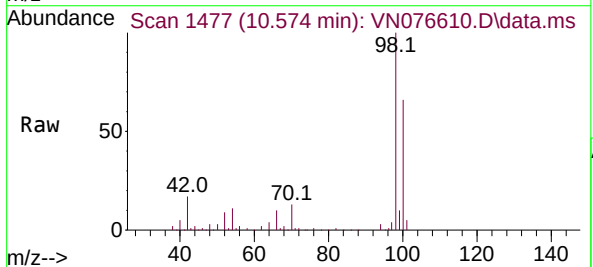
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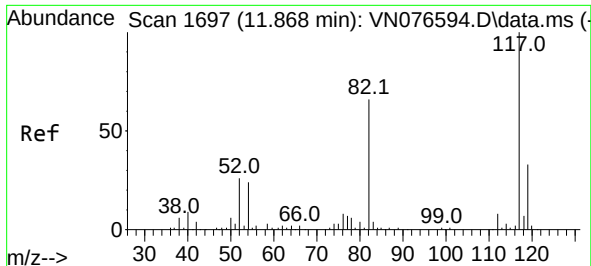
Tgt Ion: 83 Resp: 6696
Ion Ratio Lower Upper
83 100
85 50.9 50.2 75.4
127 0.0 5.1 7.7#



#50
1,1,2-Trichloroethane
Concen: 2.577 ug/l
RT: 10.574 min Scan# 1477
Delta R.T. -0.444 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

Tgt Ion: 97 Resp: 6937
Ion Ratio Lower Upper
97 100
83 0.0 69.2 103.8#
85 0.0 41.4 62.2#
99 227.5 46.3 69.5#

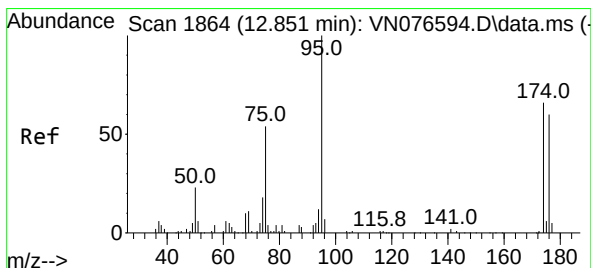
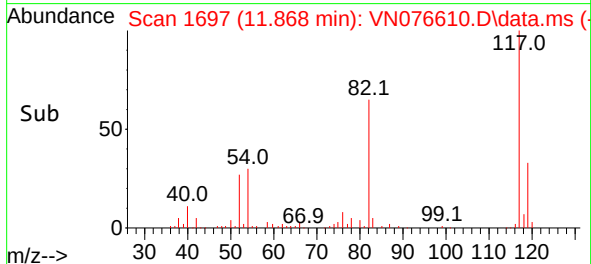
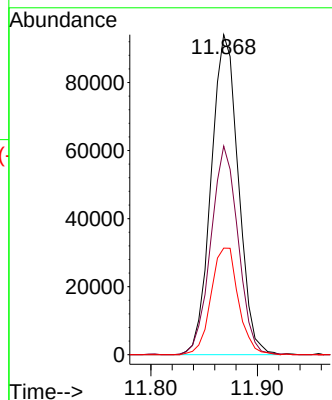
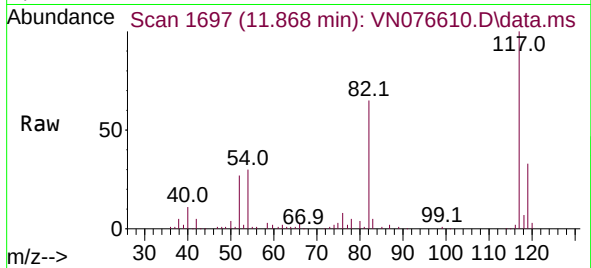




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.868 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

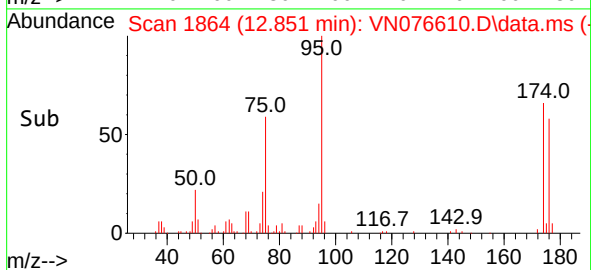
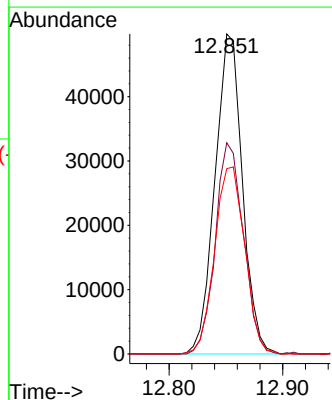
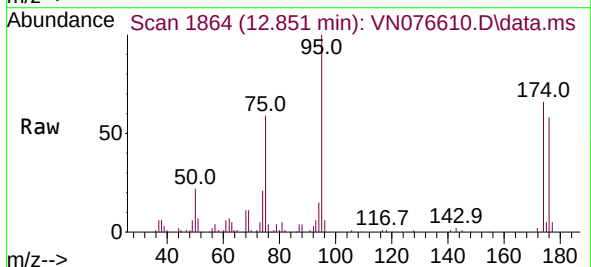
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ClientSampleId :
14B-1

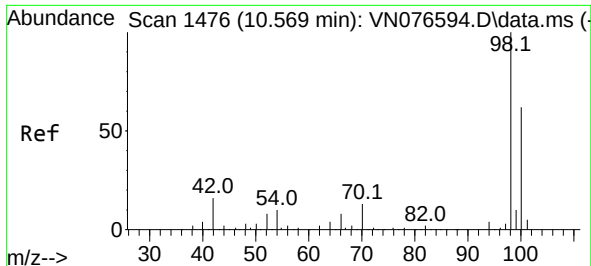
Tgt Ion:117 Resp: 166615
Ion Ratio Lower Upper
117 100
82 65.4 44.6 67.0
119 33.5 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 22.222 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

Tgt Ion: 95 Resp: 83586
Ion Ratio Lower Upper
95 100
174 67.5 57.8 86.8
176 64.3 57.0 85.4

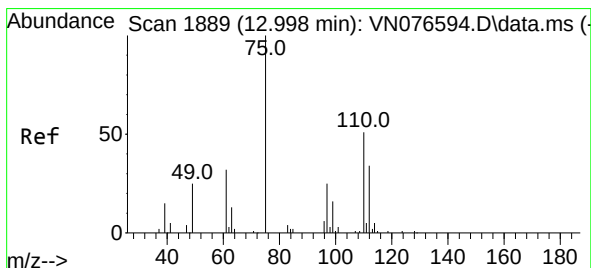
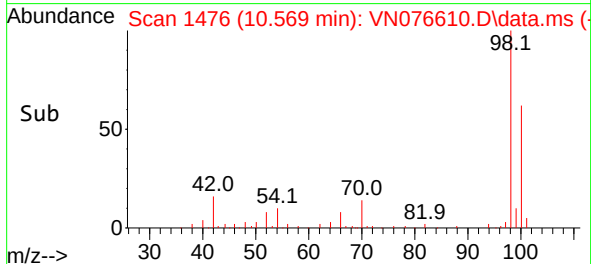
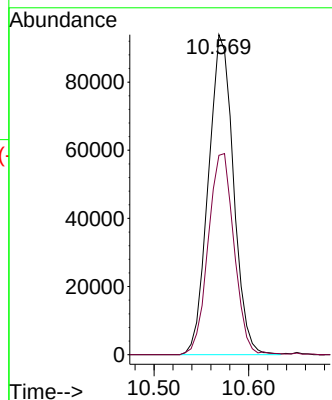
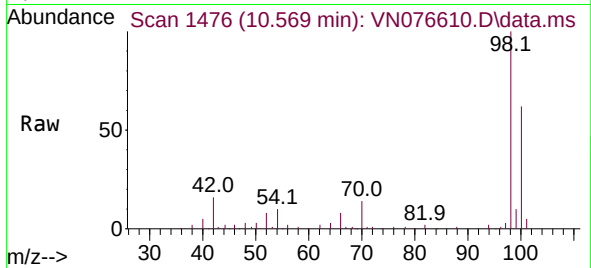




#63
Toluene-d8
Concen: 28.188 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

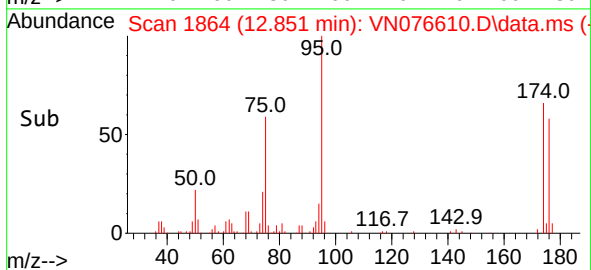
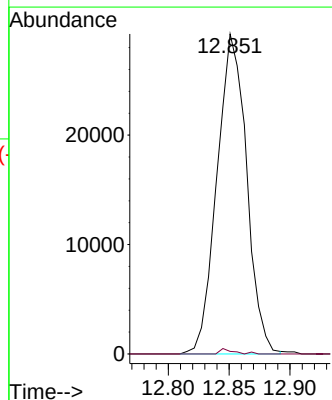
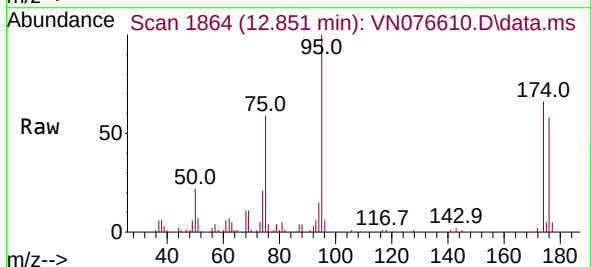
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14B-1

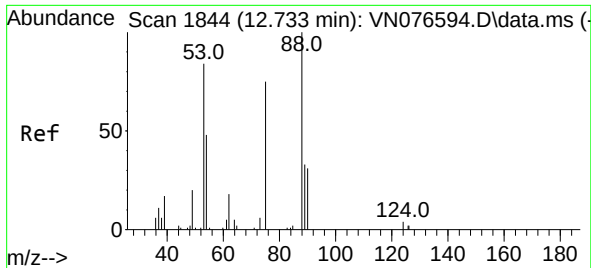
Tgt Ion: 98 Resp: 172447
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 11.604 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.143 min
Lab File: VN076610.D
Acq: 10 Feb 2023 15:33

Tgt Ion: 75 Resp: 49566
Ion Ratio Lower Upper
75 100
77 0.7 0.0 372.4





#77

t-1,4-Dichloro-2-butene

Concen: 38.470 ug/l

RT: 12.851 min Scan# 11

Delta R.T. 0.116 min

Lab File: VN076610.D

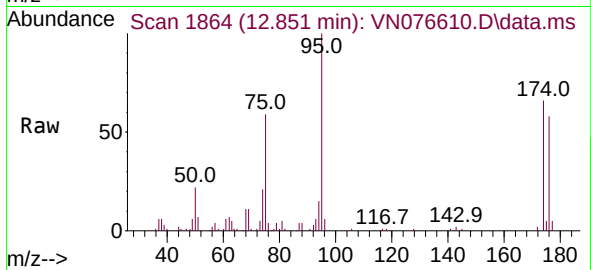
Acq: 10 Feb 2023 15:33

Instrument :

MSVOA_N

ClientSampleId :

14B-1



Tgt Ion: 75 Resp: 49566

Ion Ratio Lower Upper

75 100

53 0.0 43.3 129.9#

89 0.0 21.1 63.1#

