

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076609.D
 Acq On : 10 Feb 2023 15:08
 Operator : JC\MD
 Sample : 01457-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Feb 11 00:56:54 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)

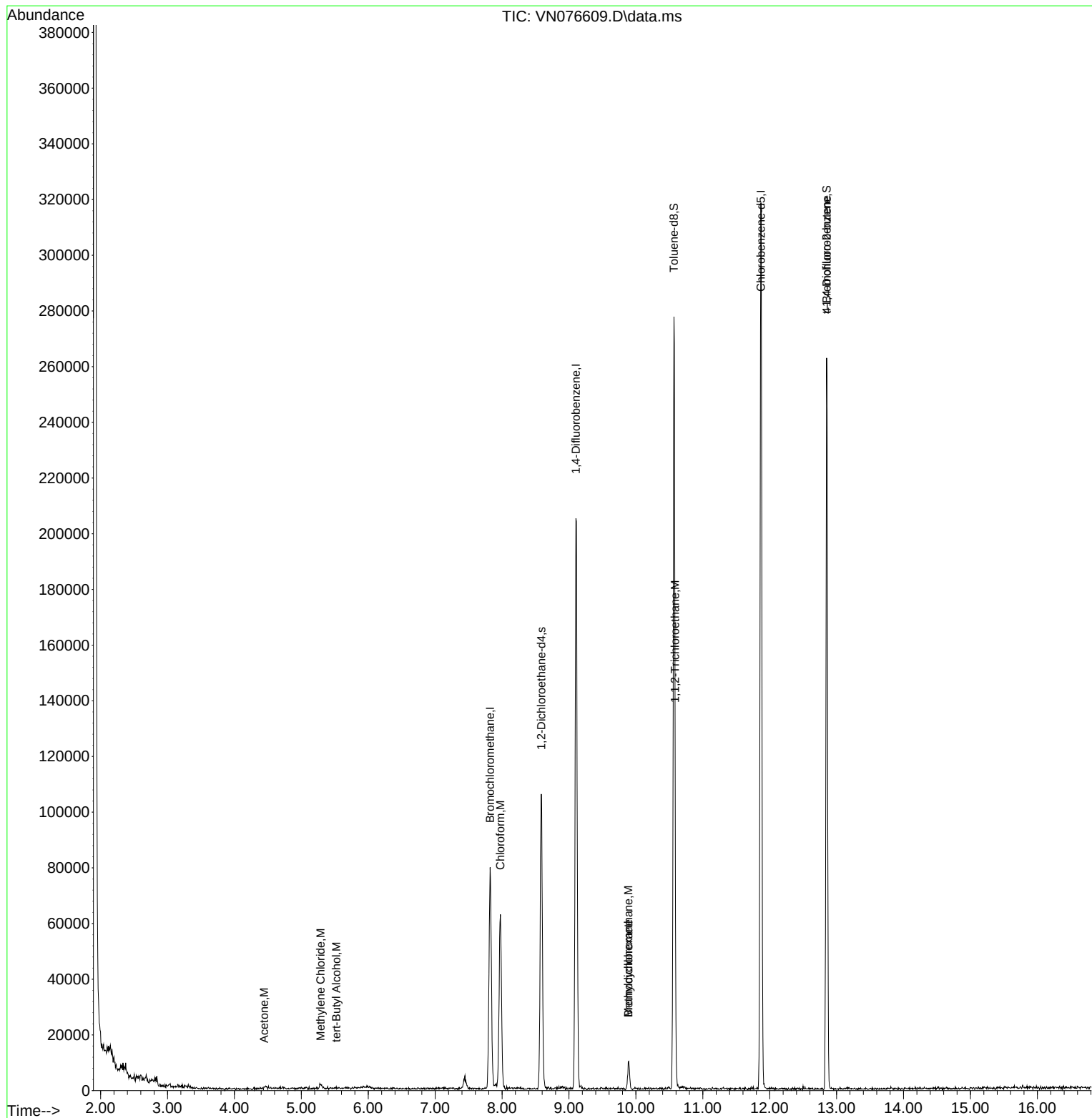
Internal Standards						
1) Bromochloromethane	7.822	128	23414	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	161520	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.868	117	169235	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	90796	32.902	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.667%
60) 4-Bromofluorobenzene	12.851	95	87800	22.980	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.600%
63) Toluene-d8	10.569	98	179045	28.813	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.033%
Target Compounds						
					Qvalue	
15) Acetone	4.445	58	208	0.448	ug/l #	8
18) Methylene Chloride	5.287	84	634	0.205	ug/l #	35
23) tert-Butyl Alcohol	5.522	59	339	0.629	ug/l #	100
25) Chloroform	7.975	83	60562	9.759	ug/l	99
38) Methylcyclohexane	9.886	83	7358	1.590	ug/l #	18
41) Bromodichloromethane	9.886	83	7358	1.735	ug/l #	94
50) 1,1,2-Trichloroethane	10.586	97	2314	0.845	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.851	75	51461	39.323	ug/l #	15

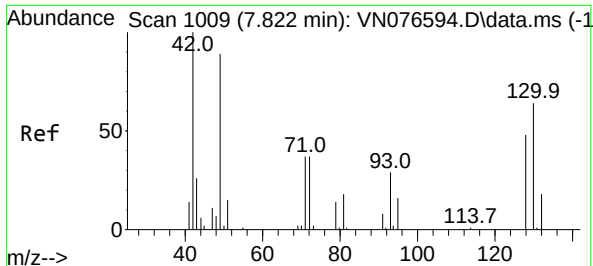
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 10 05:40:47 2023
Response via : Initial Calibration

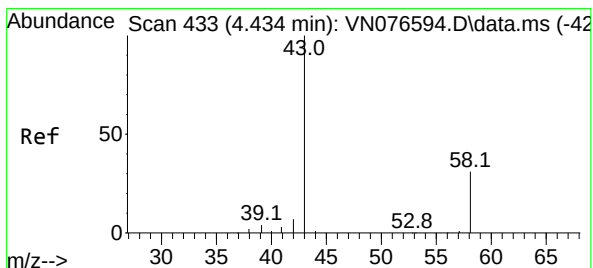
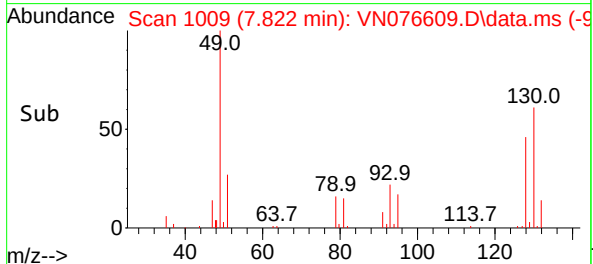
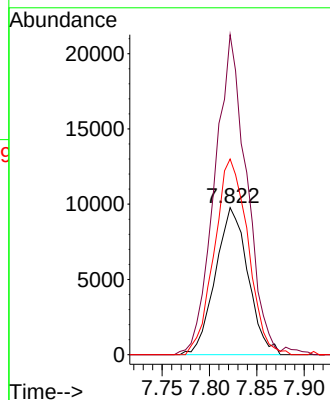
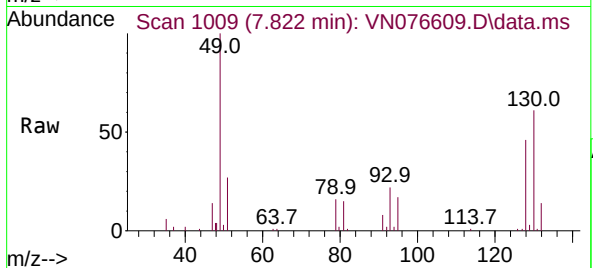




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

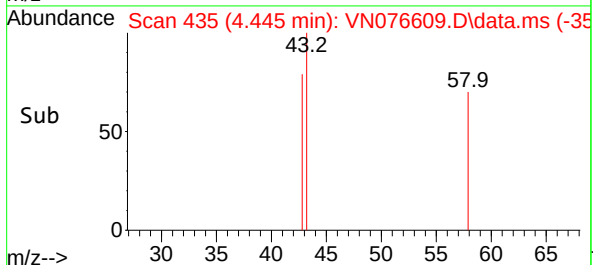
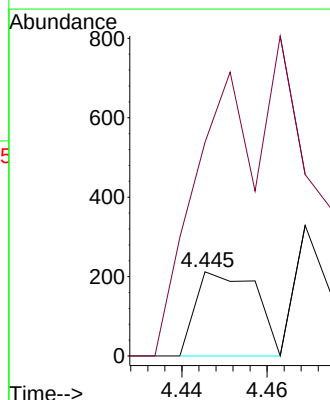
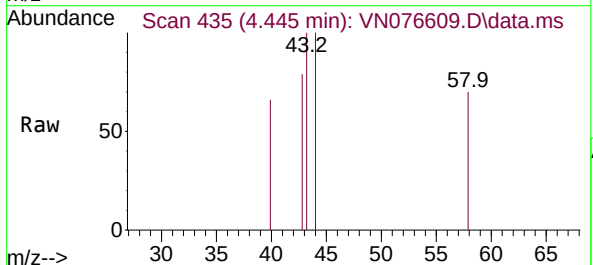
Instrument :
MSVOA_N
ClientSampleId :
14B-4

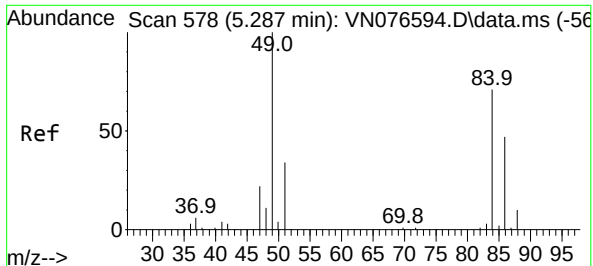
Tgt Ion:128 Resp: 23414
Ion Ratio Lower Upper
128 100
49 213.1 0.0 492.0
130 137.3 0.0 313.3



#15
Acetone
Concen: 0.448 ug/l
RT: 4.445 min Scan# 435
Delta R.T. -0.008 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

Tgt Ion: 58 Resp: 208
Ion Ratio Lower Upper
58 100
43 112.7 232.2 348.4#

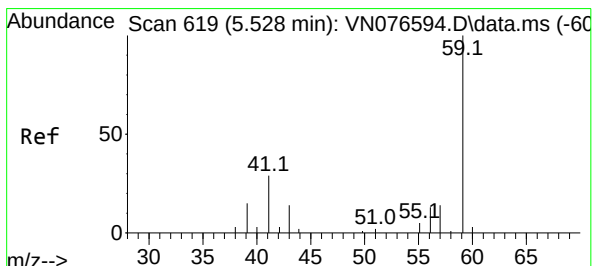
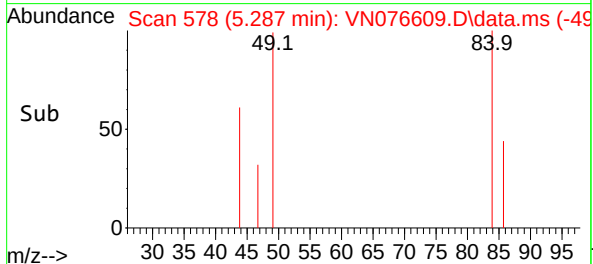
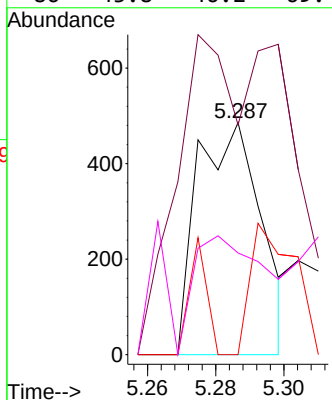
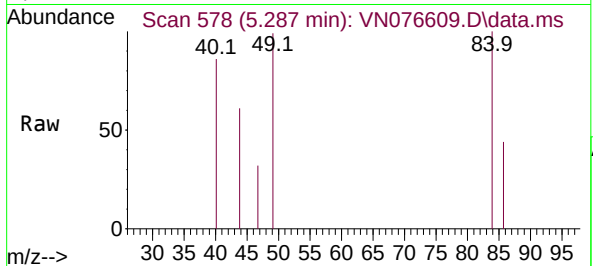




#18
Methylene Chloride
Concen: 0.205 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.013 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

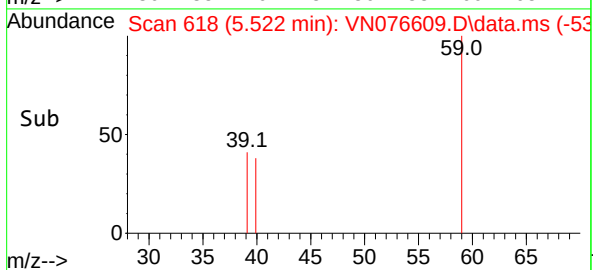
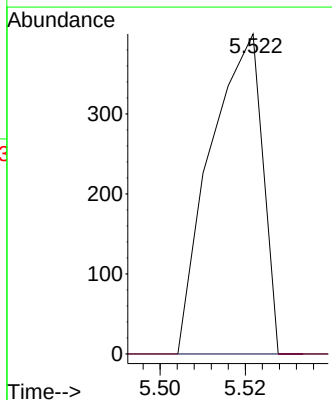
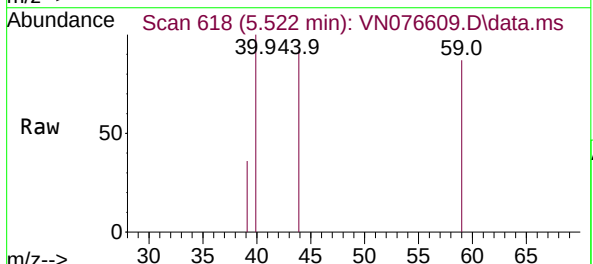
Instrument :
MSVOA_N
ClientSampleId :
14B-4

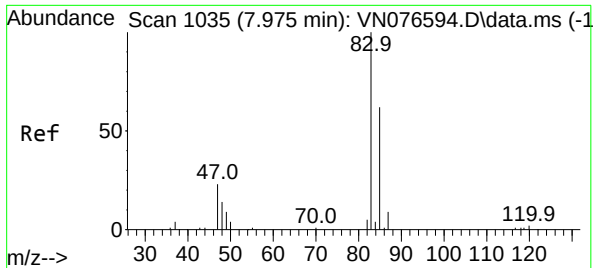
Tgt Ion:	84	Resp:	634
Ion	Ratio	Lower	Upper
84	100		
49	24.5	99.6	149.4#
51	0.0	28.2	42.2#
86	43.8	46.2	69.4#



#23
tert-Butyl Alcohol
Concen: 0.629 ug/l
RT: 5.522 min Scan# 618
Delta R.T. -0.037 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

Tgt Ion:	59	Resp:	339
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.4#

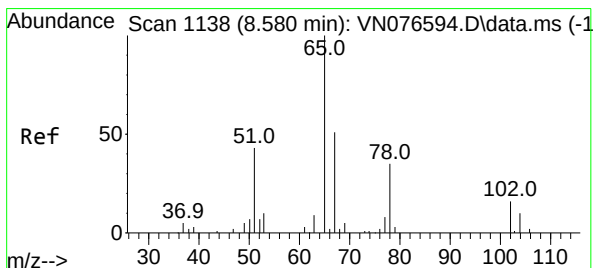
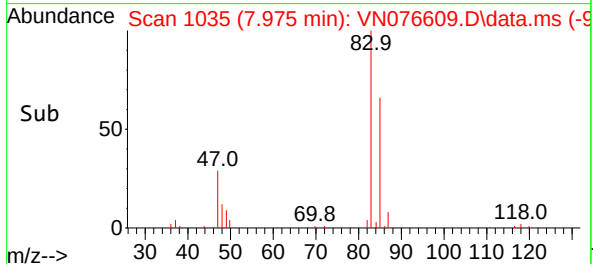
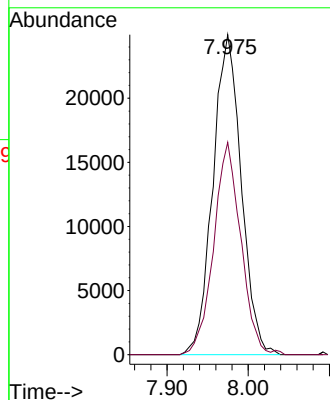
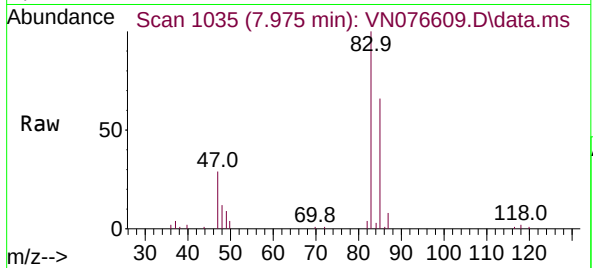




#25
Chloroform
Concen: 9.759 ug/l
RT: 7.975 min Scan# 1103
Delta R.T. -0.002 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

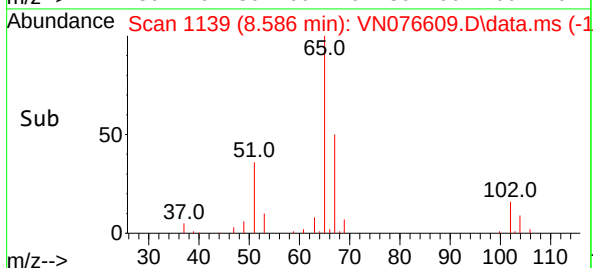
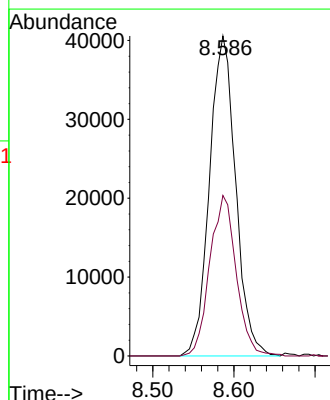
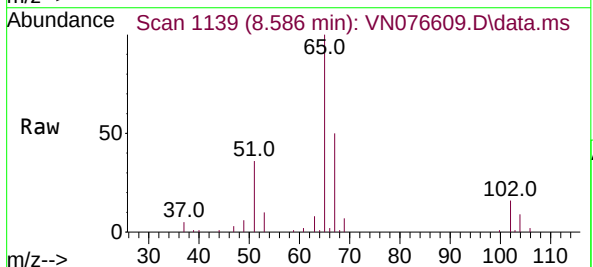
Instrument :
MSVOA_N
ClientSampleId :
14B-4

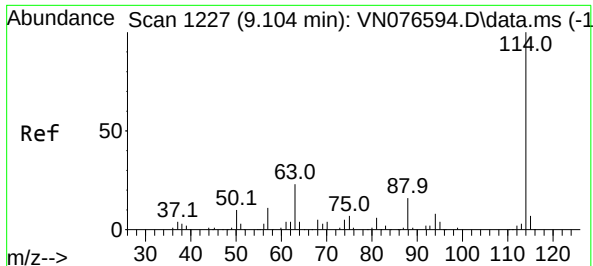
Tgt Ion: 83 Resp: 60562
Ion Ratio Lower Upper
83 100
85 66.3 53.6 80.4



#27
1,2-Dichloroethane-d4
Concen: 32.902 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. -0.002 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

Tgt Ion: 65 Resp: 90796
Ion Ratio Lower Upper
65 100
67 50.6 45.2 67.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.104 min Scan# 11

Delta R.T. -0.002 min

Lab File: VN076609.D

Acq: 10 Feb 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

14B-4

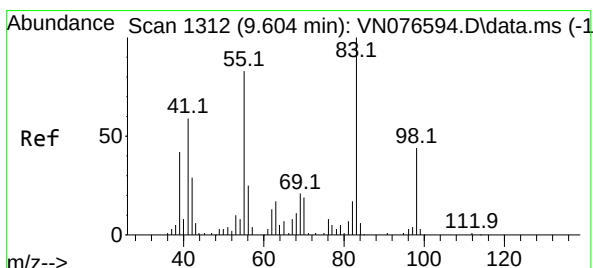
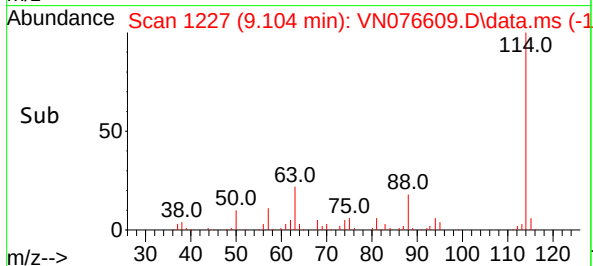
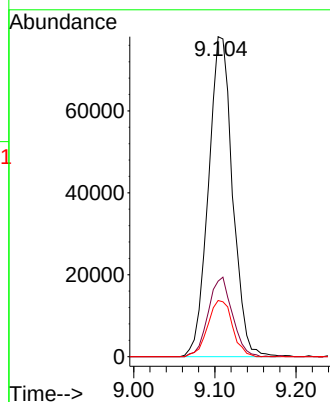
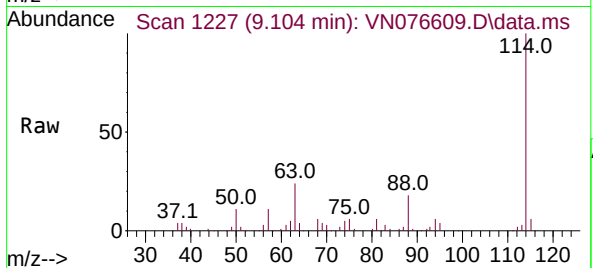
Tgt Ion:114 Resp: 161520

Ion Ratio Lower Upper

114 100

63 24.7 16.6 25.0

88 18.0 12.2 18.4



#38

Methylcyclohexane

Concen: 1.590 ug/l

RT: 9.886 min Scan# 1360

Delta R.T. 0.280 min

Lab File: VN076609.D

Acq: 10 Feb 2023 15:08

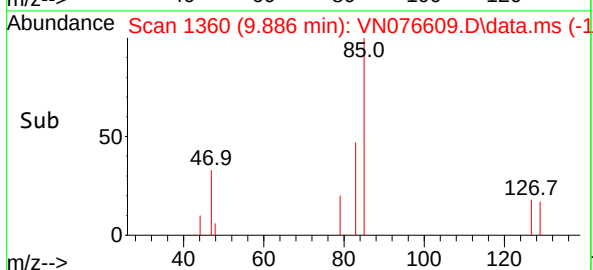
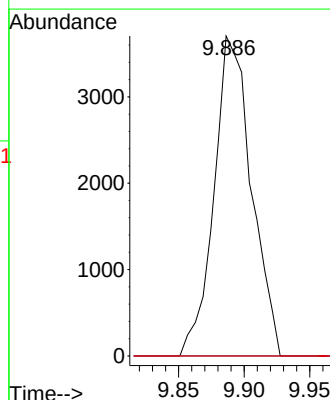
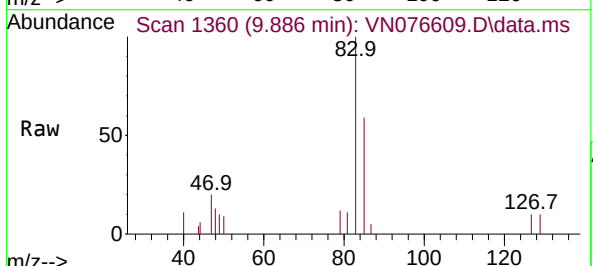
Tgt Ion: 83 Resp: 7358

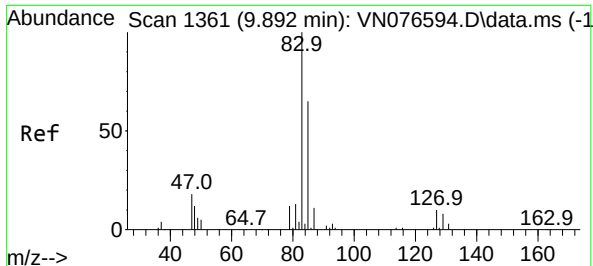
Ion Ratio Lower Upper

83 100

55 0.0 37.4 112.2#

98 0.0 24.5 73.5#

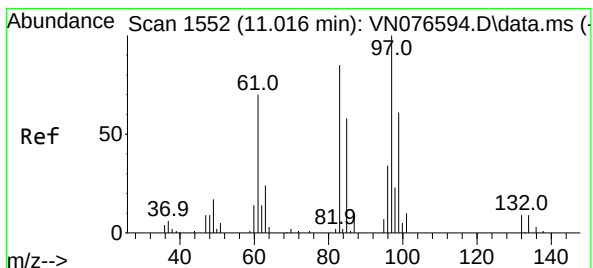
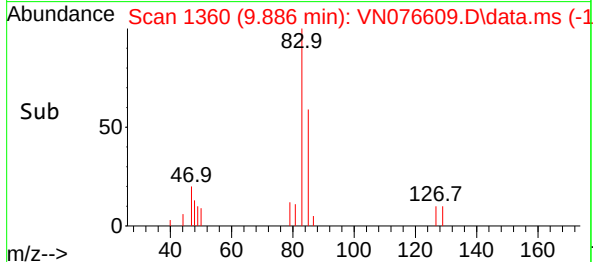
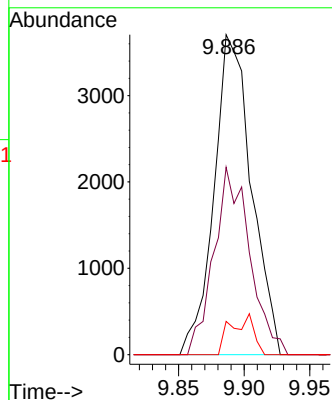
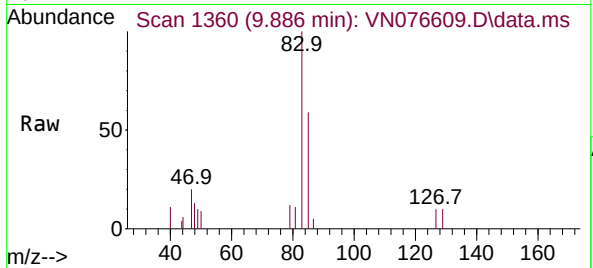




#41
Bromodichloromethane
Concen: 1.735 ug/l
RT: 9.886 min Scan# 1478
Delta R.T. -0.002 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

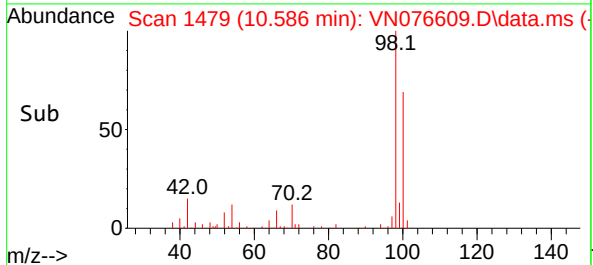
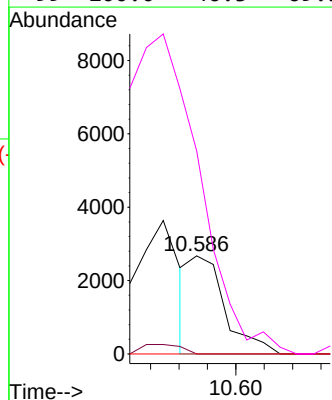
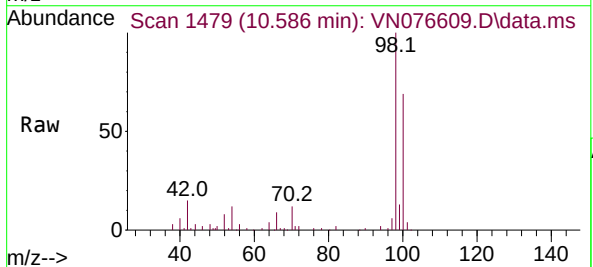
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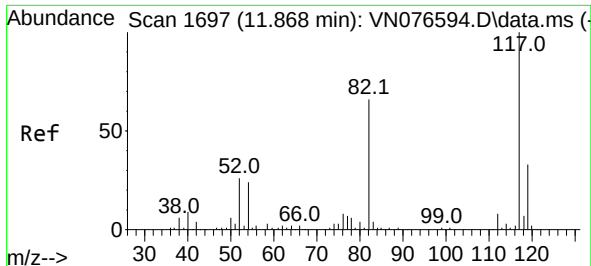
Tgt Ion: 83 Resp: 7358
Ion Ratio Lower Upper
83 100
85 58.5 50.2 75.4
127 10.4 5.1 7.7#



#50
1,1,2-Trichloroethane
Concen: 0.845 ug/l
RT: 10.586 min Scan# 1479
Delta R.T. -0.432 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

Tgt Ion: 97 Resp: 2314
Ion Ratio Lower Upper
97 100
83 0.0 69.2 103.8#
85 0.0 41.4 62.2#
99 200.0 46.3 69.5#

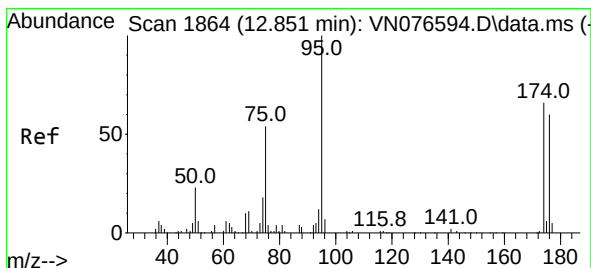
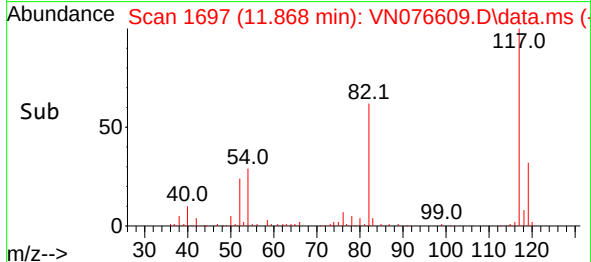
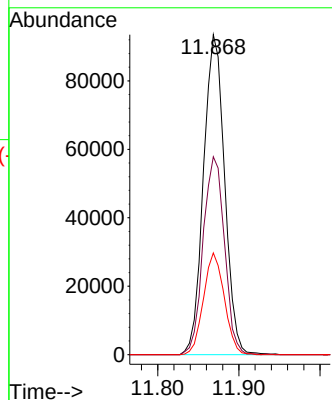
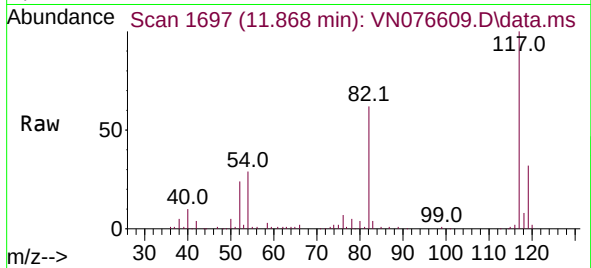




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.868 min Scan# 117
Delta R.T. -0.003 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

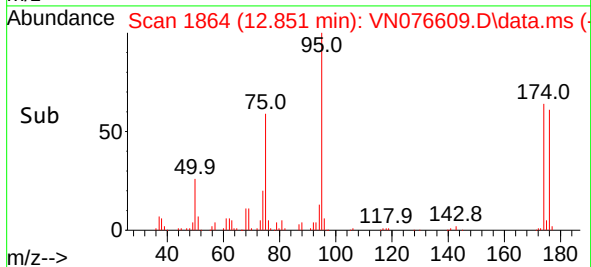
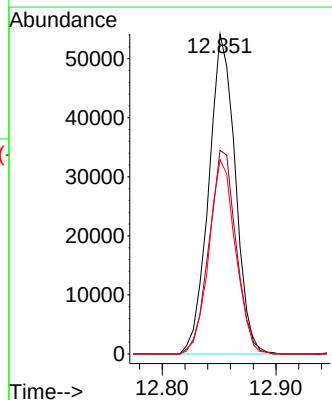
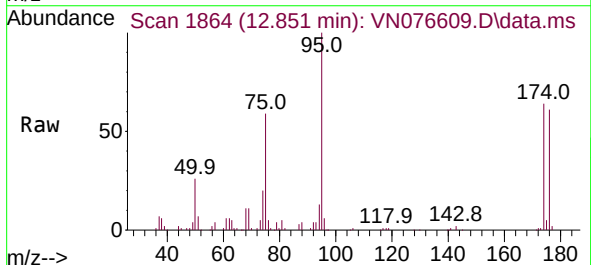
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14B-4

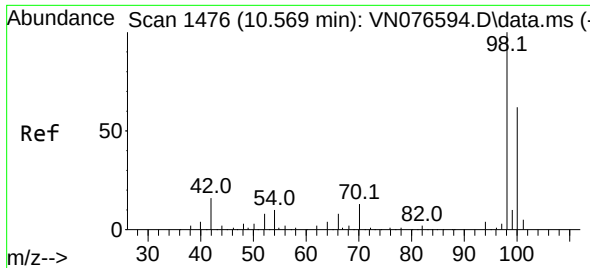
Tgt Ion:117 Resp: 169235
Ion Ratio Lower Upper
117 100
82 62.1 44.6 67.0
119 31.3 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 22.980 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

Tgt Ion: 95 Resp: 87800
Ion Ratio Lower Upper
95 100
174 65.4 57.8 86.8
176 61.2 57.0 85.4

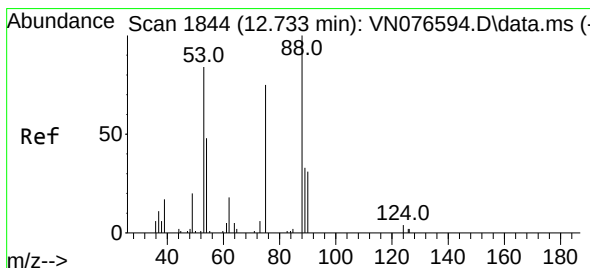
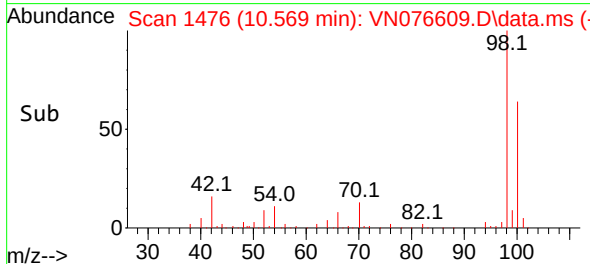
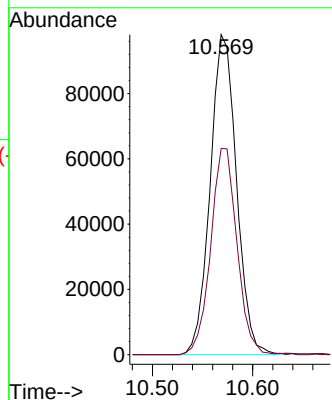
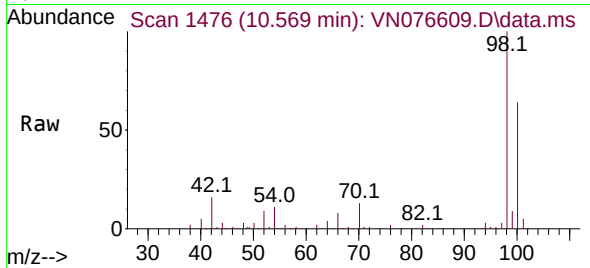




#63
Toluene-d8
Concen: 28.813 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 98 Resp: 179045
Ion Ratio Lower Upper
98 100
100 64.1 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 39.323 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. 0.116 min
Lab File: VN076609.D
Acq: 10 Feb 2023 15:08

Tgt Ion: 75 Resp: 51461
Ion Ratio Lower Upper
75 100
53 0.0 43.3 129.9#
89 0.0 21.1 63.1#

