

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076606.D
 Acq On : 10 Feb 2023 13:57
 Operator : JC\MD
 Sample : 01457-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Feb 11 00:55:48 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)

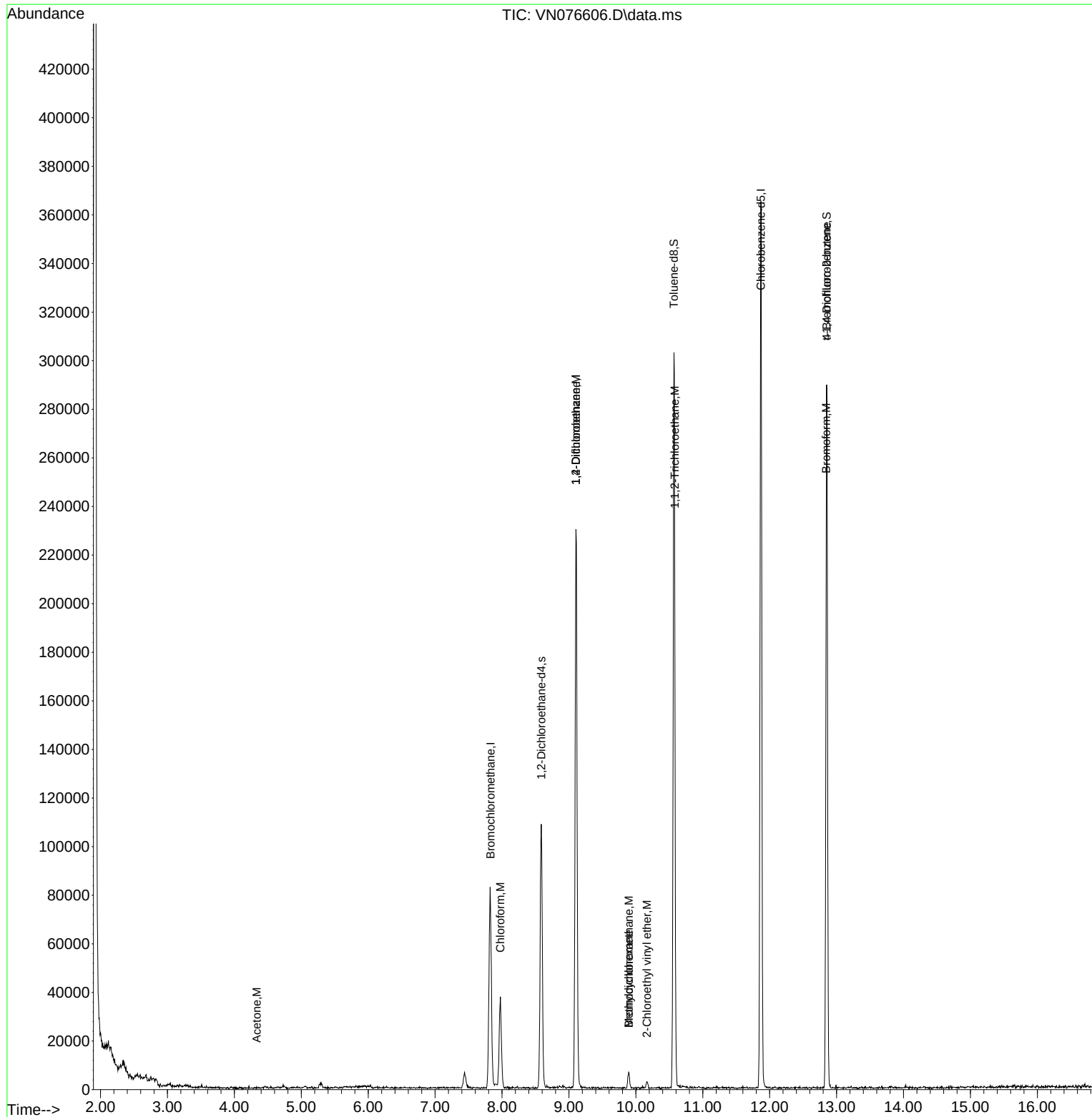
Internal Standards						
1) Bromochloromethane	7.828	128	26156	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	181467	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	187761	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.587	65	93727	30.403	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%			
60) 4-Bromofluorobenzene	12.851	95	102318	24.138	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 80.467%			
63) Toluene-d8	10.569	98	198893	28.849	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.167%			
Target Compounds						
					Qvalue	
15) Acetone	4.334	58	145	0.280	ug/l #	1
25) Chloroform	7.975	83	34723	5.009	ug/l	100
36) 1,2-Dichloroethane	9.104	62	8145	1.472	ug/l #	74
38) Methylcyclohexane	9.892	83	4635	0.892	ug/l #	18
41) Bromodichloromethane	9.892	83	4635	0.973	ug/l #	86
50) 1,1,2-Trichloroethane	10.581	97	6807	2.212	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.163	63	911	0.408	ug/l #	76
56) Bromoform	12.845	173	526	0.255	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.851	75	57446	39.565	ug/l #	15

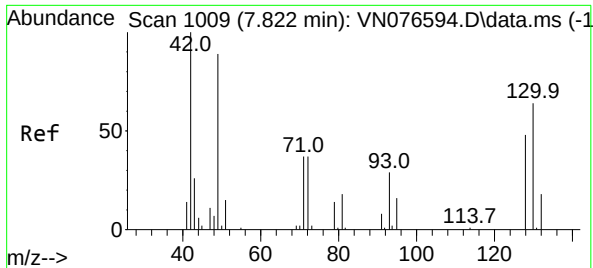
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :
14B-1

Quant Time: Feb 11 00:55:48 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

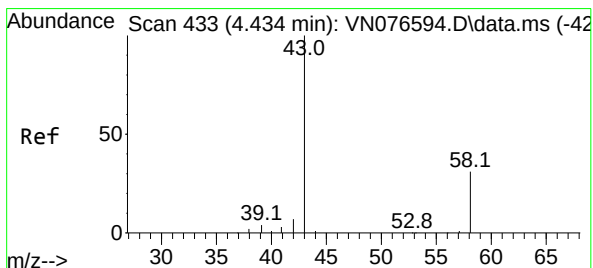
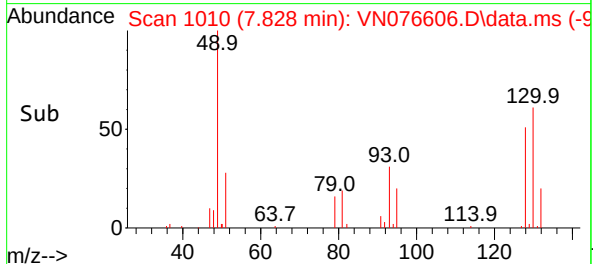
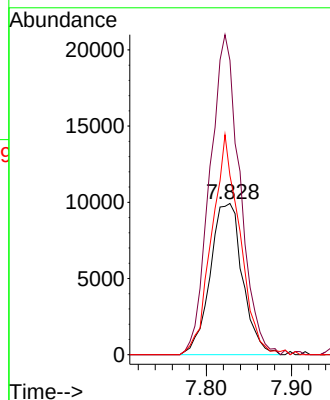
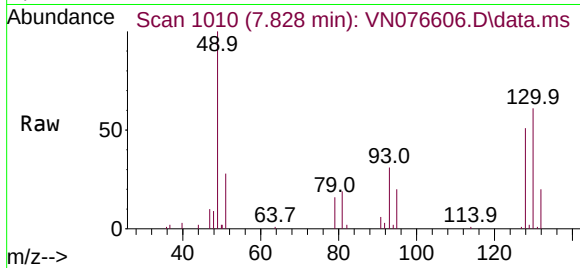




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.828 min Scan# 11
Delta R.T. -0.002 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

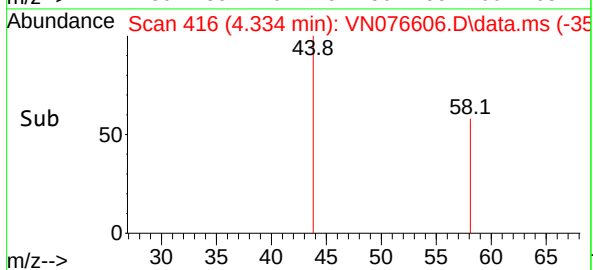
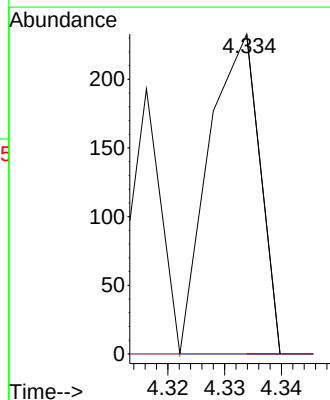
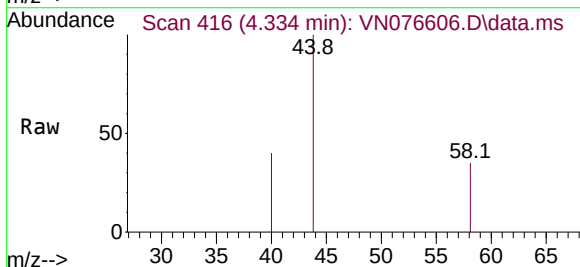
Instrument :
MSVOA_N
ClientSampleId :
14B-1

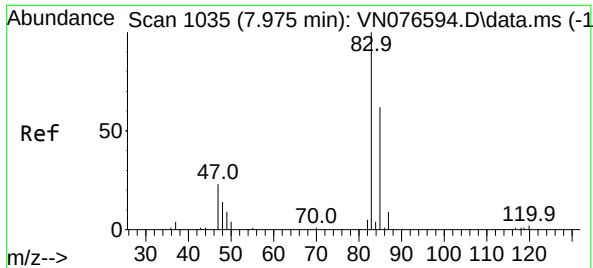
Tgt Ion:128 Resp: 26156
Ion Ratio Lower Upper
128 100
49 197.1 0.0 492.0
130 125.8 0.0 313.3



#15
Acetone
Concen: 0.280 ug/l
RT: 4.334 min Scan# 416
Delta R.T. -0.119 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

Tgt Ion: 58 Resp: 145
Ion Ratio Lower Upper
58 100
43 0.0 232.2 348.4#

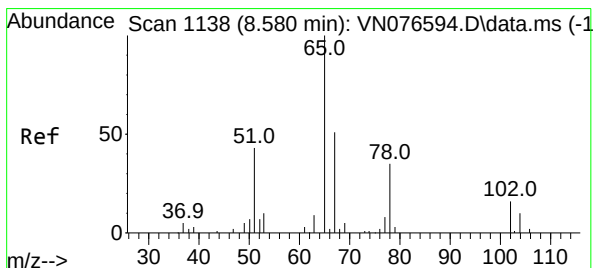
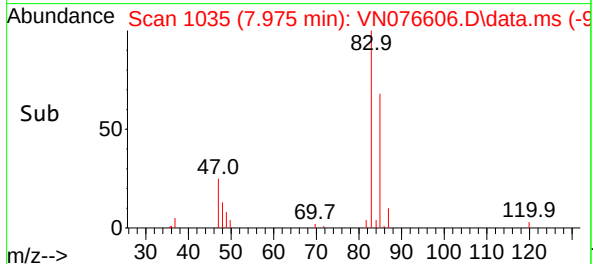
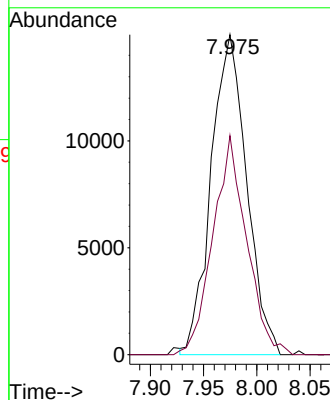
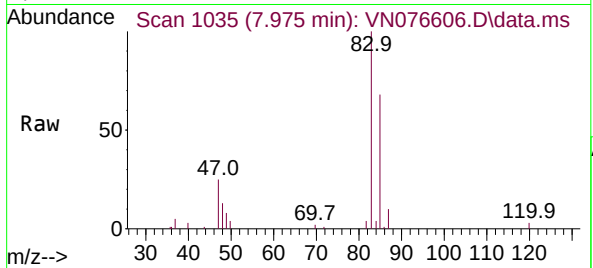




#25
Chloroform
Concen: 5.009 ug/l
RT: 7.975 min Scan# 1139
Delta R.T. -0.002 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

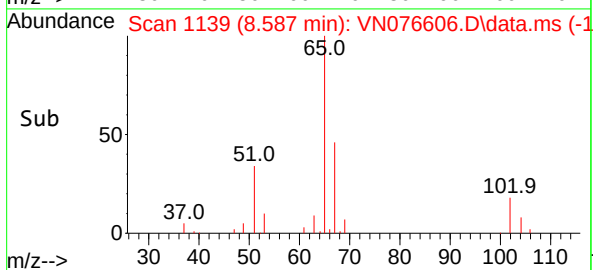
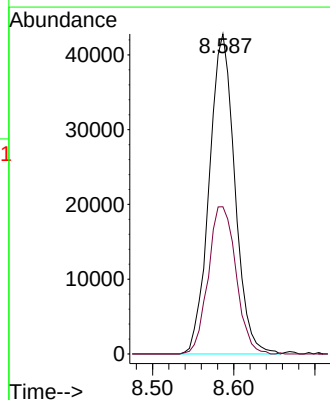
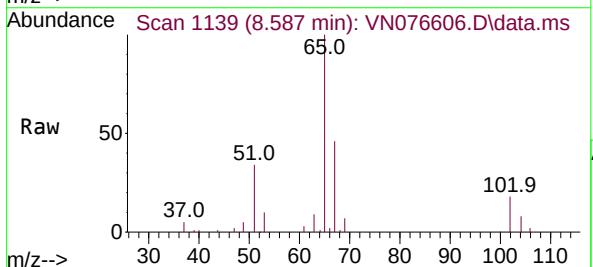
Instrument :
MSVOA_N
ClientSampleId :
14B-1

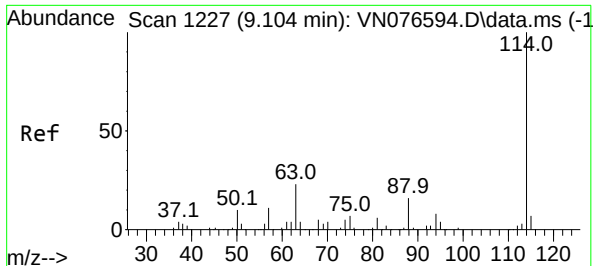
Tgt Ion: 83 Resp: 34723
Ion Ratio Lower Upper
83 100
85 67.2 53.6 80.4



#27
1,2-Dichloroethane-d4
Concen: 30.403 ug/l
RT: 8.587 min Scan# 1139
Delta R.T. -0.001 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

Tgt Ion: 65 Resp: 93727
Ion Ratio Lower Upper
65 100
67 49.8 45.2 67.8

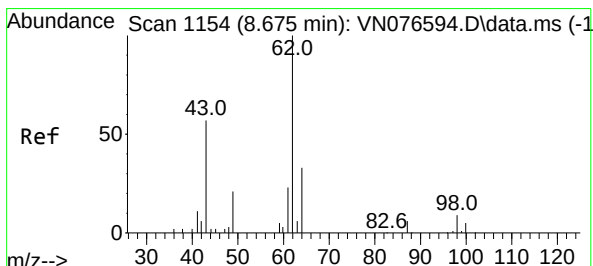
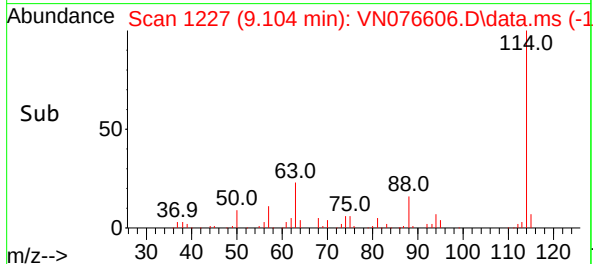
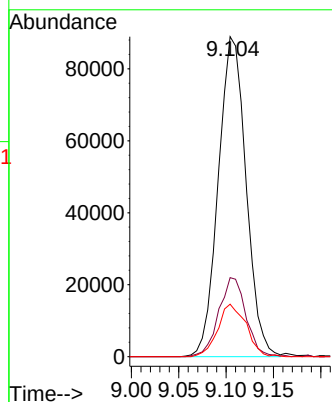
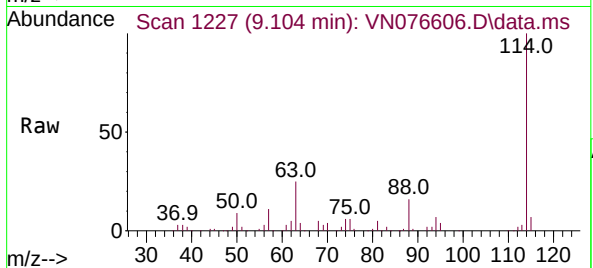




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.104 min Scan# 11
Delta R.T. -0.002 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

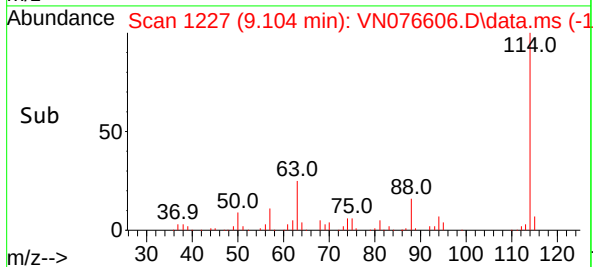
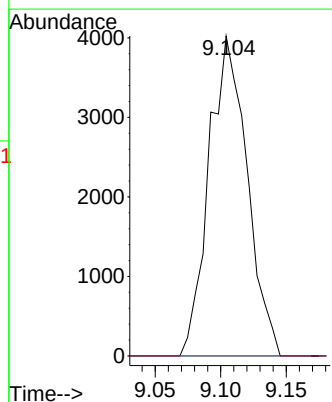
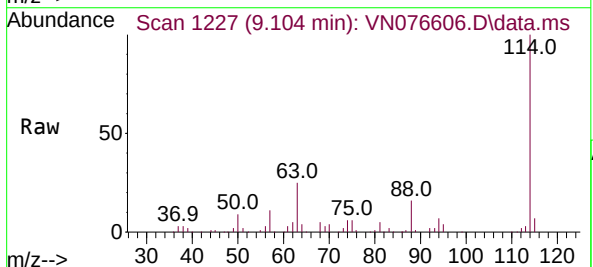
Instrument :
MSVOA_N
ClientSampleId :
14B-1

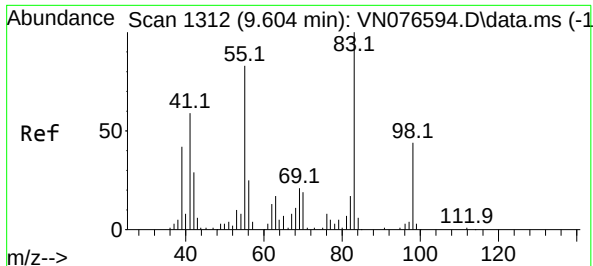
Tgt Ion:114 Resp: 181467
Ion Ratio Lower Upper
114 100
63 24.2 16.6 25.0
88 16.7 12.2 18.4



#36
1,2-Dichloroethane
Concen: 1.472 ug/l
RT: 9.104 min Scan# 1227
Delta R.T. 0.421 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

Tgt Ion: 62 Resp: 8145
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#

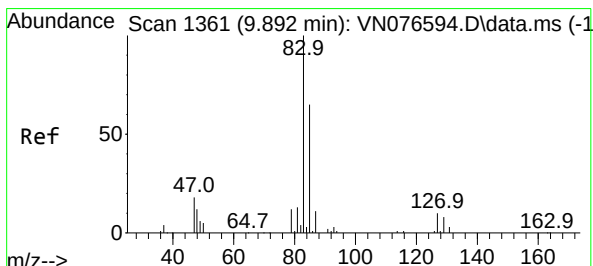
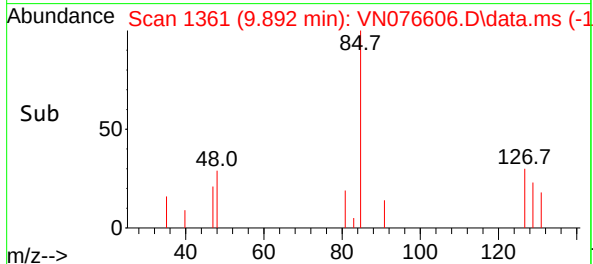
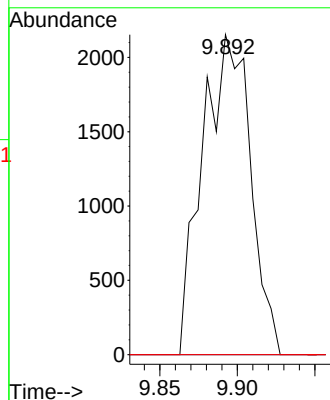
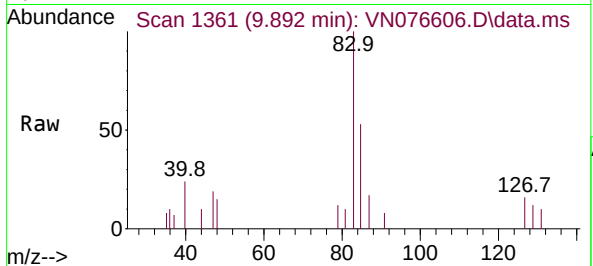




#38
Methylcyclohexane
Concen: 0.892 ug/l
RT: 9.892 min Scan# 1361
Delta R.T. 0.286 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

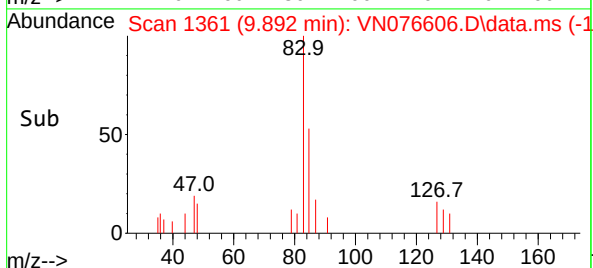
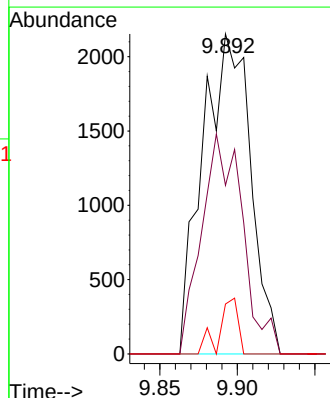
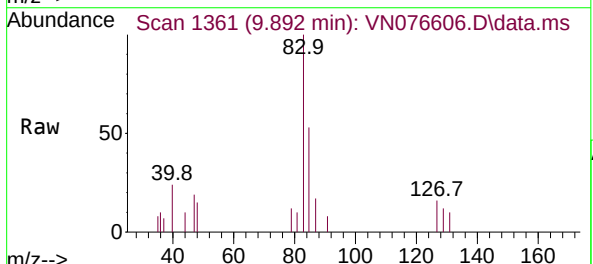
Instrument :
MSVOA_N
ClientSampleId :
14B-1

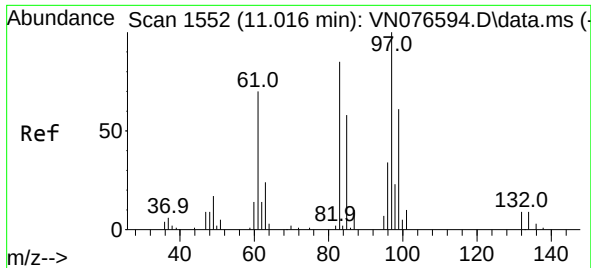
Tgt Ion: 83 Resp: 4635
Ion Ratio Lower Upper
83 100
55 0.0 37.4 112.2#
98 0.0 24.5 73.5#



#41
Bromodichloromethane
Concen: 0.973 ug/l
RT: 9.892 min Scan# 1361
Delta R.T. 0.004 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

Tgt Ion: 83 Resp: 4635
Ion Ratio Lower Upper
83 100
85 52.7 50.2 75.4
127 15.6 5.1 7.7#

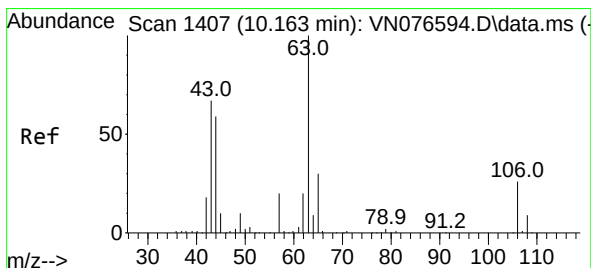
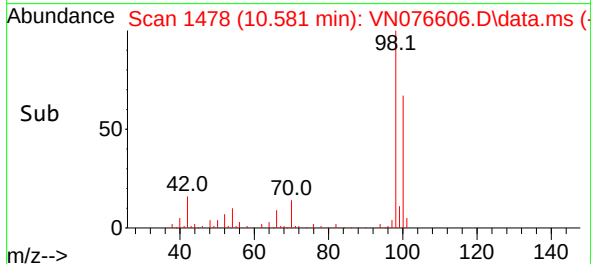
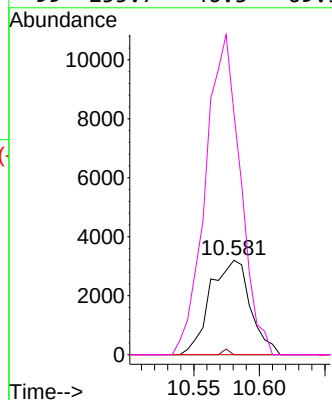
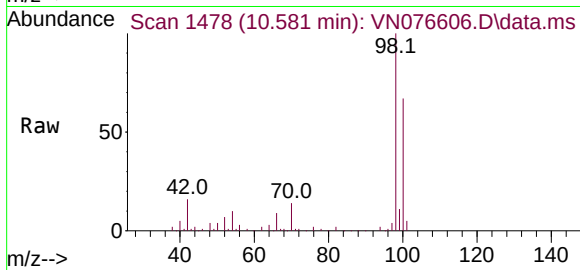




#50
1,1,2-Trichloroethane
Concen: 2.212 ug/l
RT: 10.581 min Scan# 1478
Delta R.T. -0.437 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

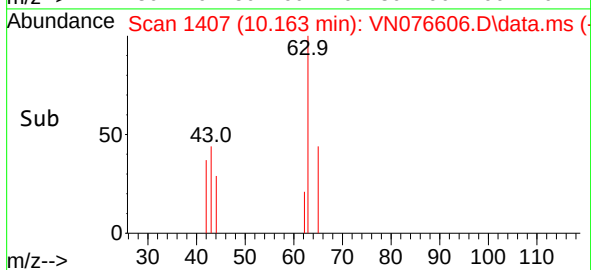
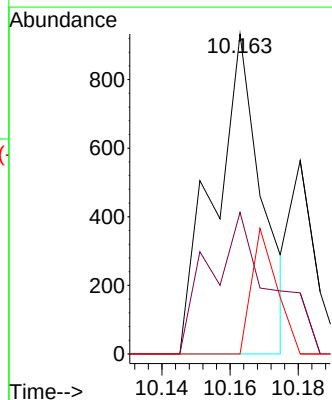
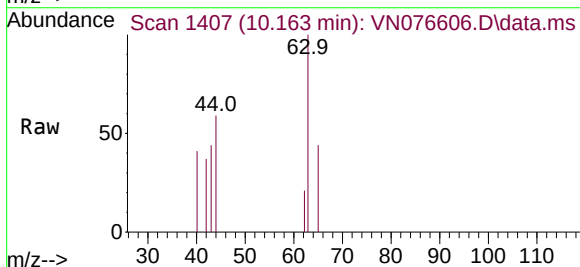
Instrument : MSVOA_N
ClientSampleId : 14B-1

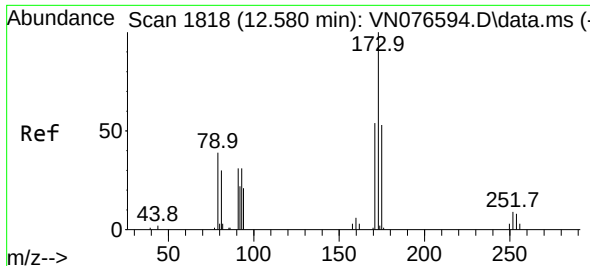
Tgt Ion: 97	Resp: 6807
Ion Ratio	Lower Upper
97 100	
83 0.0	69.2 103.8#
85 0.0	41.4 62.2#
99 255.7	46.3 69.5#



#55
2-Chloroethyl vinyl ether
Concen: 0.408 ug/l
RT: 10.163 min Scan# 1407
Delta R.T. -0.002 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

Tgt Ion: 63	Resp: 911		
Ion Ratio	Lower	Upper	
63 100			
65 49.8	24.6	36.8#	
106 20.5	21.3	31.9#	

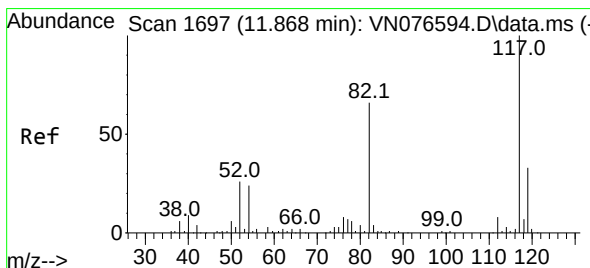
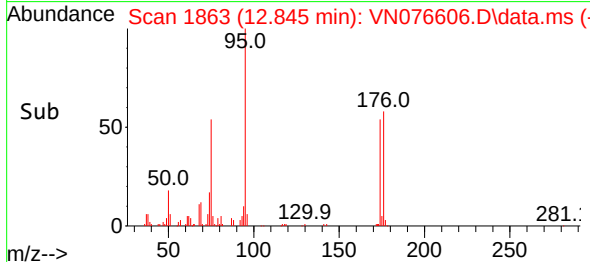
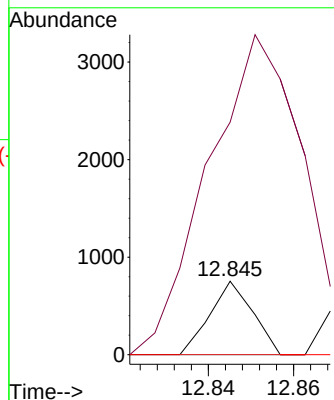
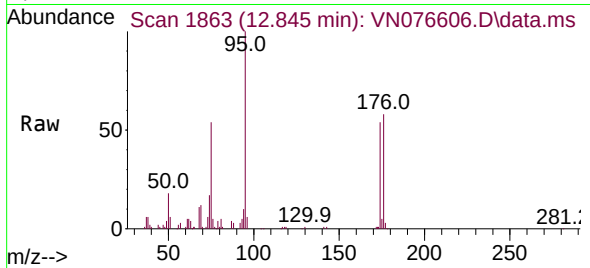




#56
Bromoform
Concen: 0.255 ug/l
RT: 12.845 min Scan# 1863
Delta R.T. 0.269 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

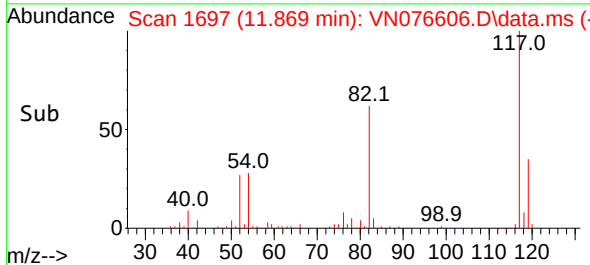
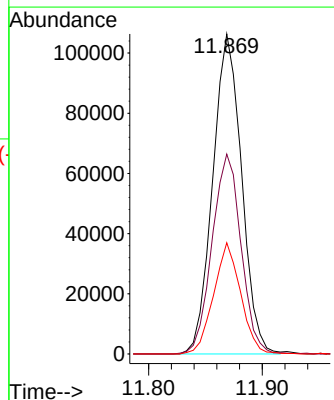
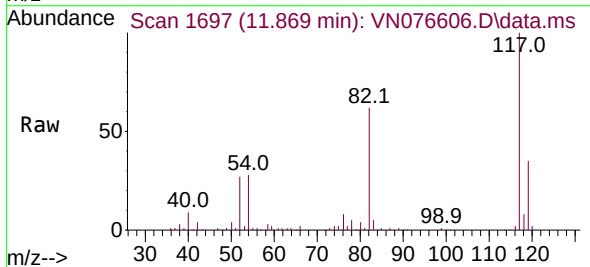
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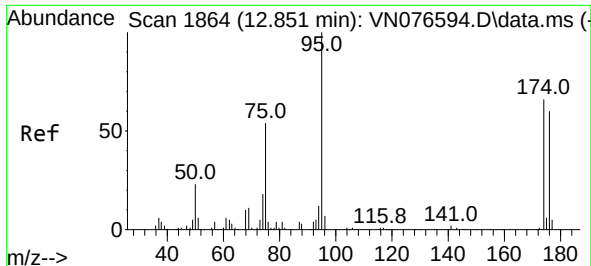
Tgt Ion:173 Resp: 526
Ion Ratio Lower Upper
173 100
175 981.2 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.869 min Scan# 1697
Delta R.T. -0.002 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

Tgt Ion:117 Resp: 187761
Ion Ratio Lower Upper
117 100
82 62.6 44.6 67.0
119 32.6 25.6 38.4

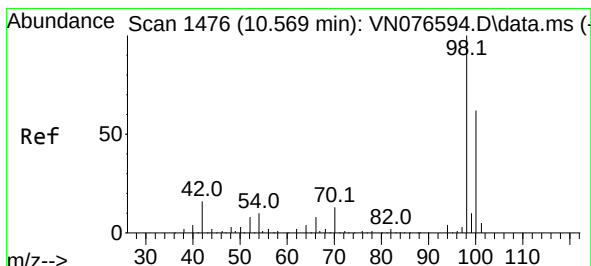
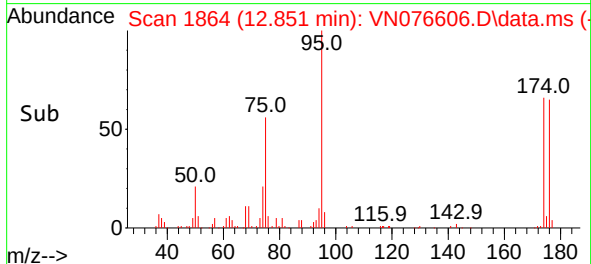
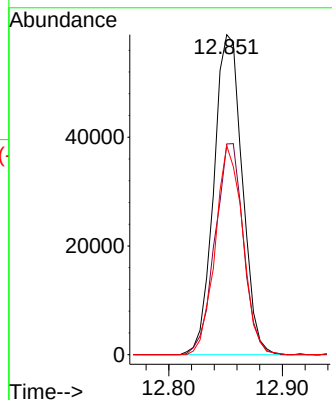
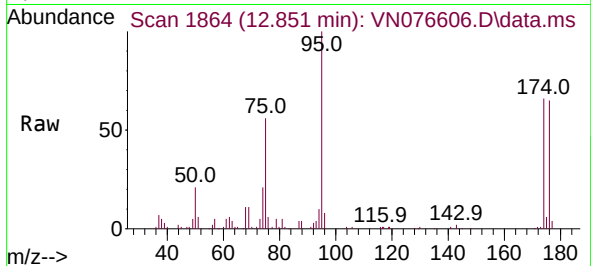




#60
4-Bromofluorobenzene
Concen: 24.138 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

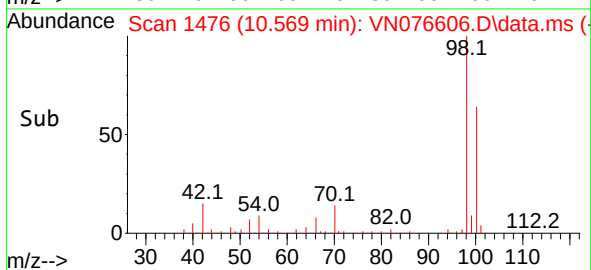
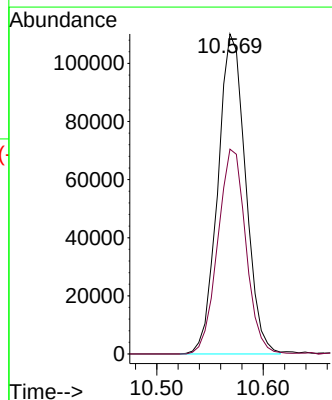
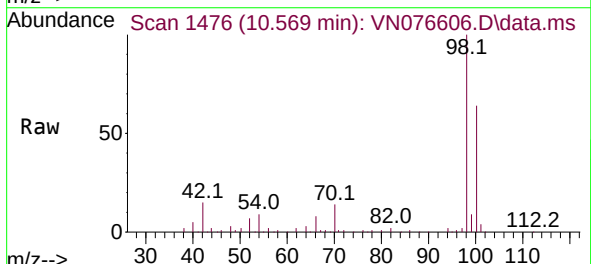
Instrument :
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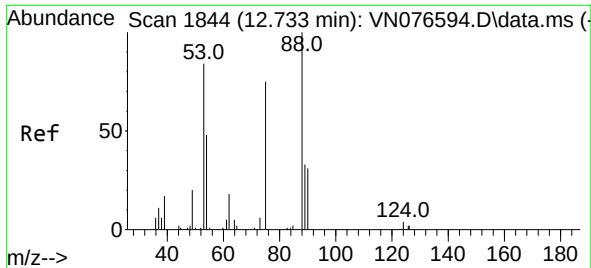
Tgt Ion: 95 Resp: 102318
Ion Ratio Lower Upper
95 100
174 65.8 57.8 86.8
176 63.3 57.0 85.4



#63
Toluene-d8
Concen: 28.849 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076606.D
Acq: 10 Feb 2023 13:57

Tgt Ion: 98 Resp: 198893
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1





#77

t-1,4-Dichloro-2-butene

Concen: 39.565 ug/l

RT: 12.851 min Scan# 11

Delta R.T. 0.116 min

Lab File: VN076606.D

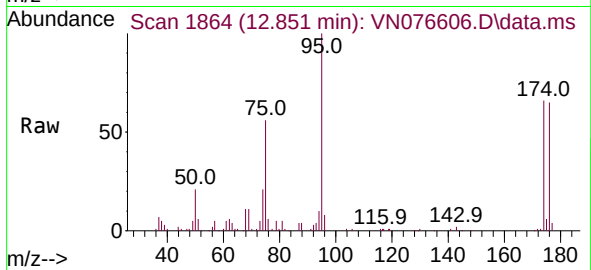
Acq: 10 Feb 2023 13:57

Instrument :

MSVOA_N

ClientSampleId :

14B-1



Tgt Ion: 75 Resp: 57446

Ion Ratio Lower Upper

75 100

53 0.0 43.3 129.9#

89 0.0 21.1 63.1#

