

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076616.D
 Acq On : 10 Feb 2023 17:57
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 11 00:58:57 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)

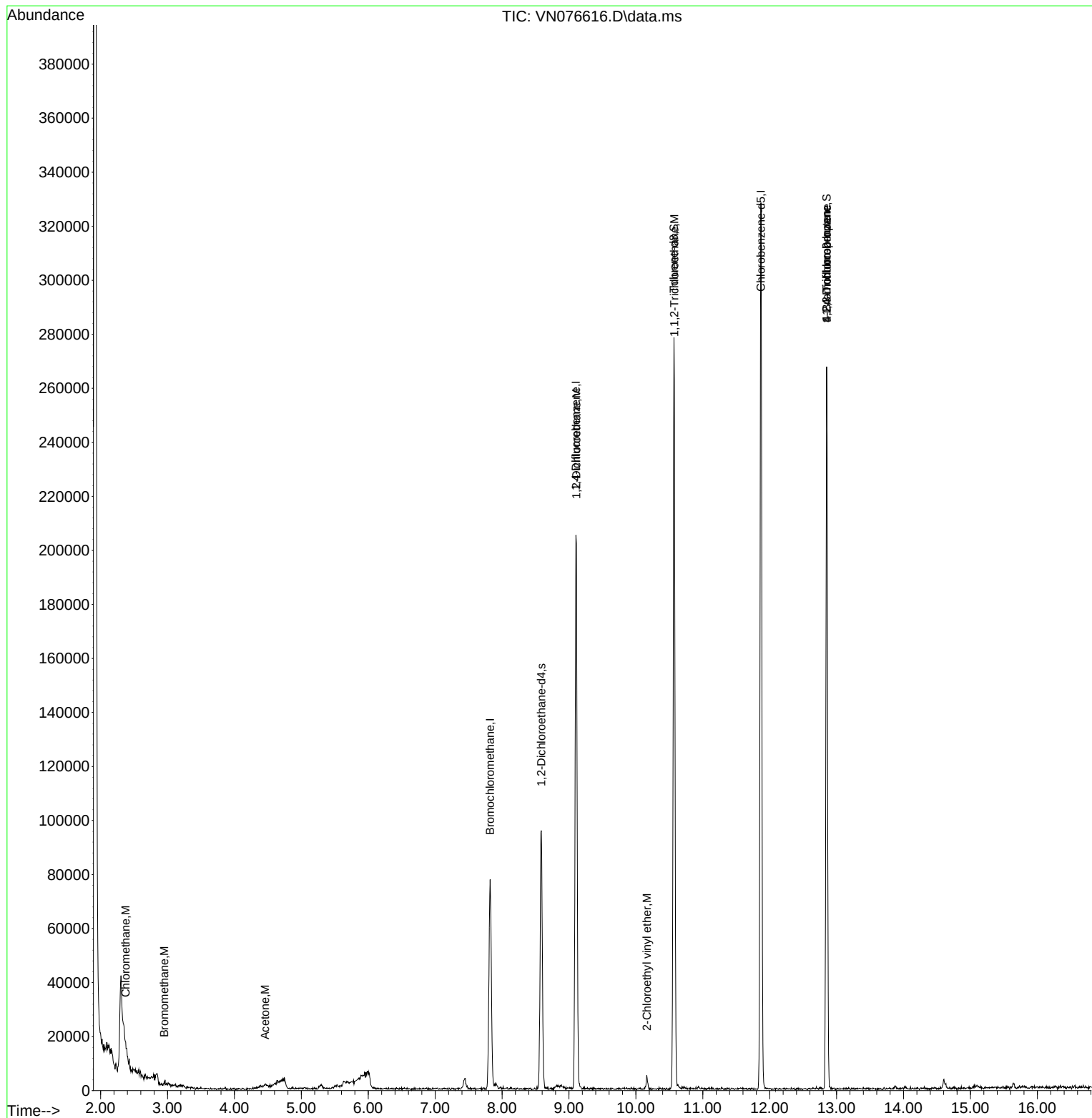
Internal Standards						
1) Bromochloromethane	7.822	128	27234	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	169381	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	179729	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	79901	24.892	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	82.967%#
60) 4-Bromofluorobenzene	12.851	95	93956	23.156	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.200%
63) Toluene-d8	10.569	98	186465	28.255	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.375	50	1034	0.228	ug/l	92
5) Bromomethane	2.951	94	479	0.241	ug/l #	81
6) Chloroethane	3.099	64	251	Below Cal		99
15) Acetone	4.457	58	317	0.587	ug/l #	1
36) 1,2-Dichloroethane	9.110	62	6441	1.247	ug/l #	74
50) 1,1,2-Trichloroethane	10.574	97	7005	2.439	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.163	63	1979	0.950	ug/l #	79
72) 1,2,3-Trichloropropane	12.851	75	48814	10.594	ug/l	1
77) t-1,4-Dichloro-2-butene	12.851	75	48814	35.122	ug/l #	15

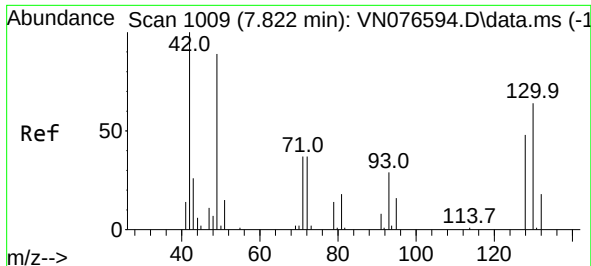
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 10 05:40:47 2023
Response via : Initial Calibration

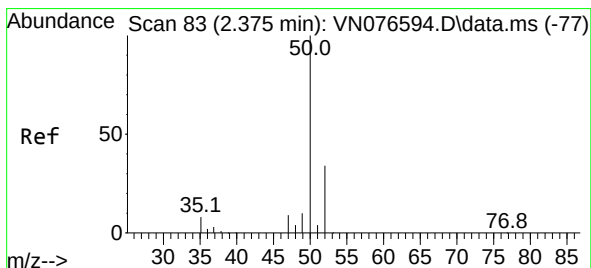
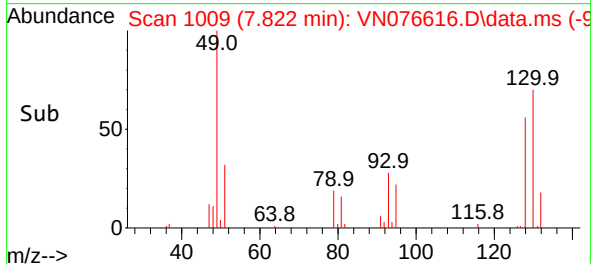
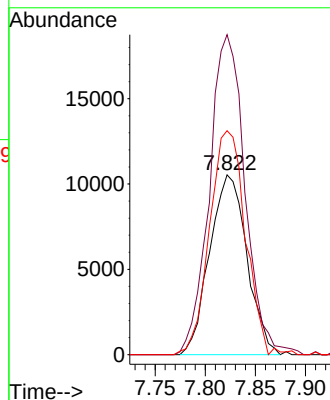
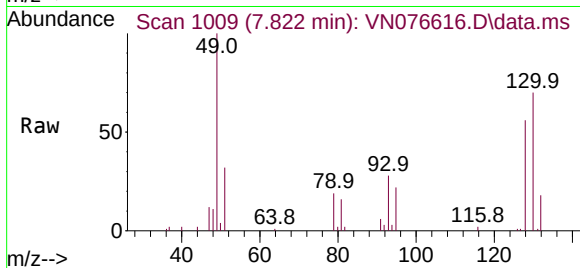




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076616.D
Acq: 10 Feb 2023 17:57

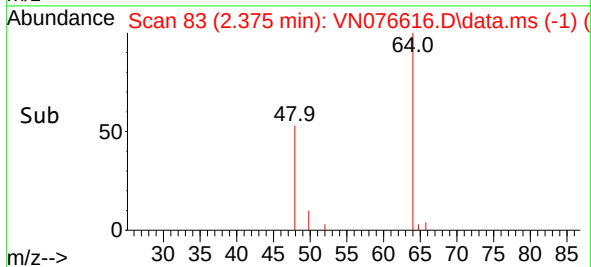
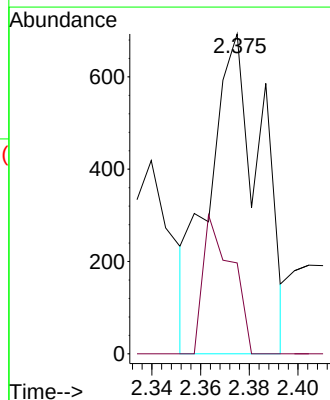
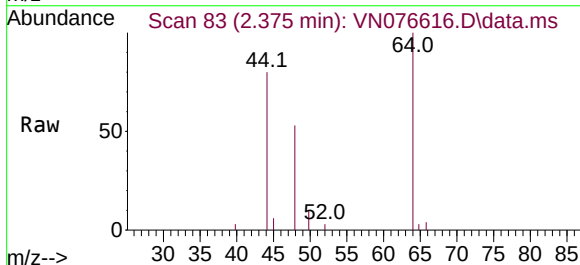
Instrument :
MSVOA_N
ClientSampleId :
IBLK

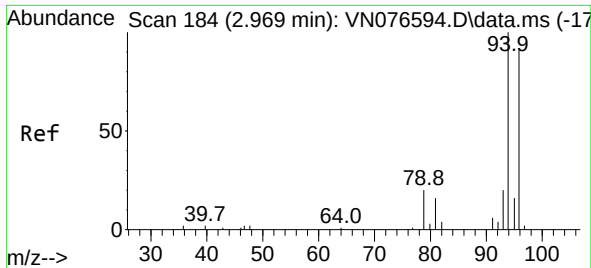
Tgt Ion:128 Resp: 27234
Ion Ratio Lower Upper
128 100
49 169.9 0.0 492.0
130 119.0 0.0 313.3



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.375 min Scan# 83
Delta R.T. -0.008 min
Lab File: VN076616.D
Acq: 10 Feb 2023 17:57

Tgt Ion: 50 Resp: 1034
Ion Ratio Lower Upper
50 100
52 36.3 25.5 38.3

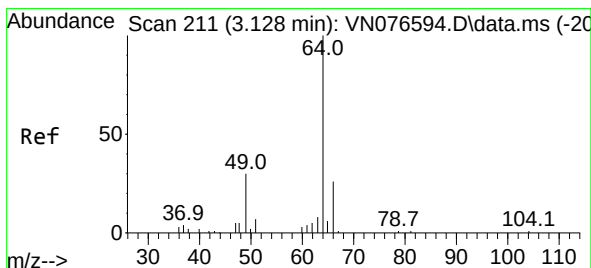
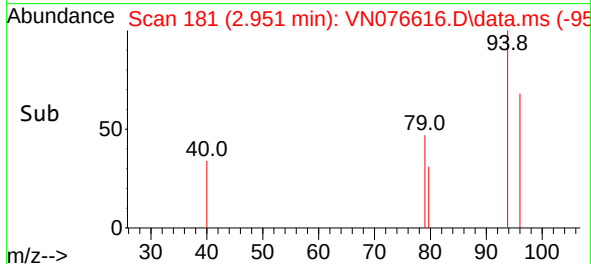
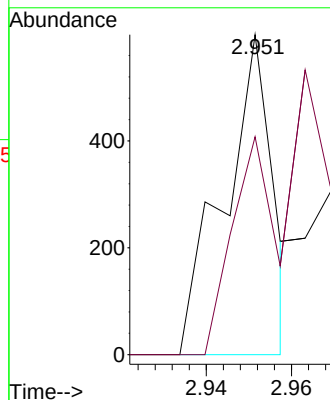
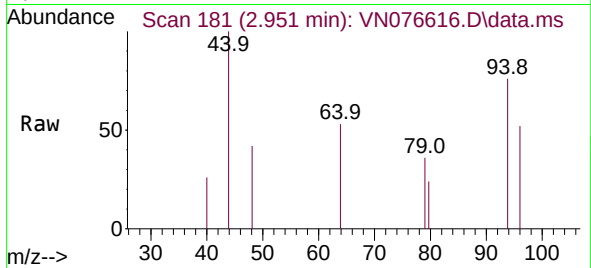




#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.951 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN076616.D
Acq: 10 Feb 2023 17:57

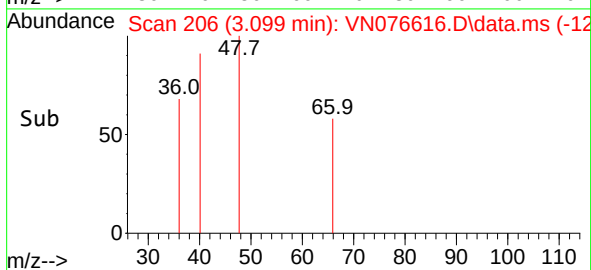
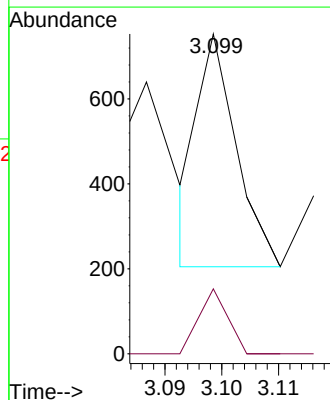
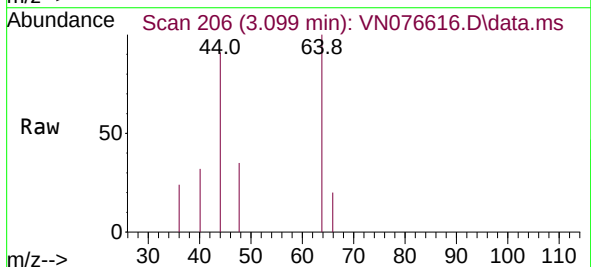
Instrument :
MSVOA_N
ClientSampleId :
IBLK

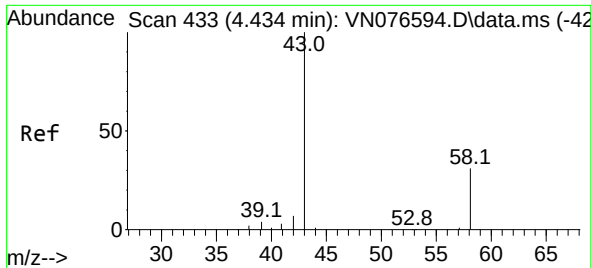
Tgt Ion: 94 Resp: 479
Ion Ratio Lower Upper
94 100
96 68.1 68.3 102.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.099 min Scan# 206
Delta R.T. -0.026 min
Lab File: VN076616.D
Acq: 10 Feb 2023 17:57

Tgt Ion: 64 Resp: 251
Ion Ratio Lower Upper
64 100
66 27.9 21.8 32.8





#15

Acetone

Concen: 0.587 ug/l

RT: 4.457 min Scan# 41

Delta R.T. 0.004 min

Lab File: VN076616.D

Acq: 10 Feb 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

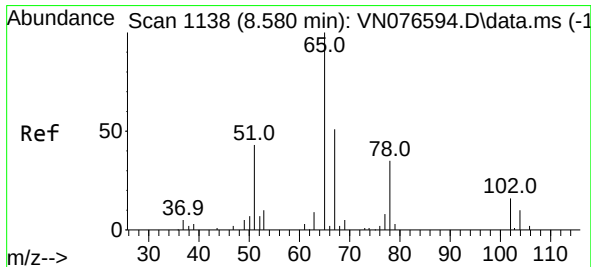
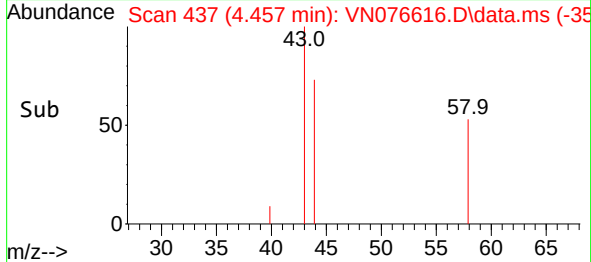
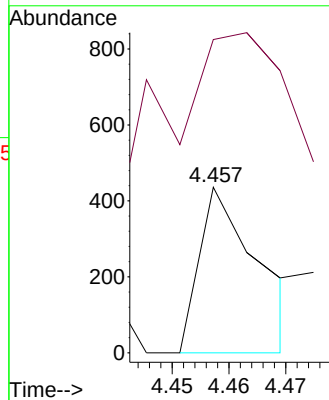
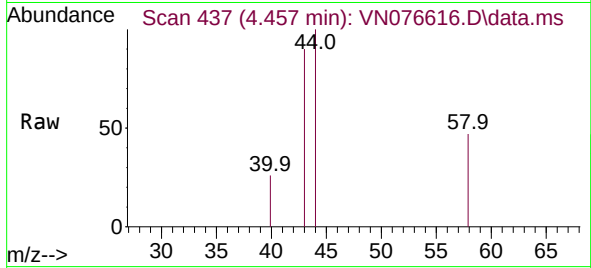
IBLK

Tgt Ion: 58 Resp: 317

Ion Ratio Lower Upper

58 100

43 63.5 232.2 348.4#



#27

1,2-Dichloroethane-d4

Concen: 24.892 ug/l

RT: 8.586 min Scan# 1139

Delta R.T. -0.002 min

Lab File: VN076616.D

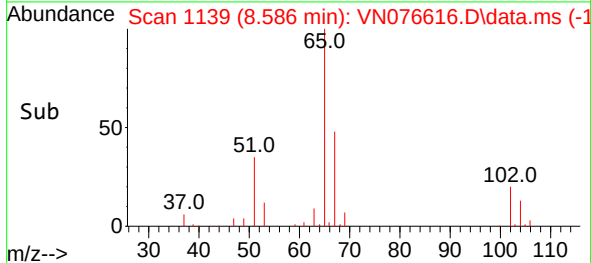
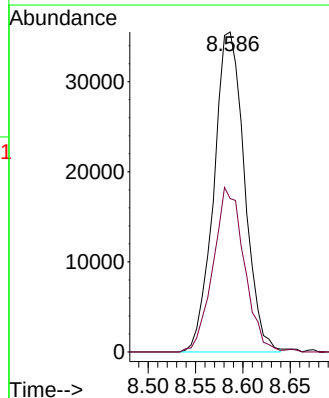
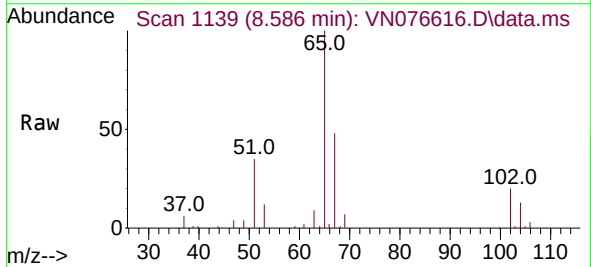
Acq: 10 Feb 2023 17:57

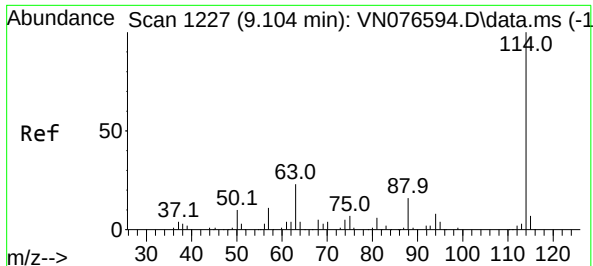
Tgt Ion: 65 Resp: 79901

Ion Ratio Lower Upper

65 100

67 52.2 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: VN076616.D

Acq: 10 Feb 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

IBLK

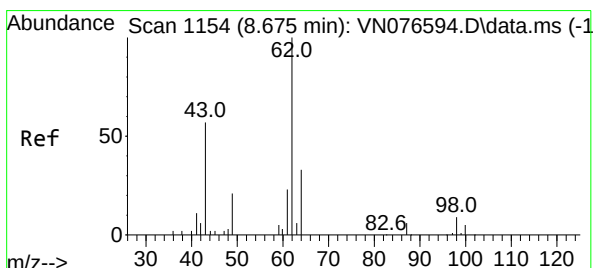
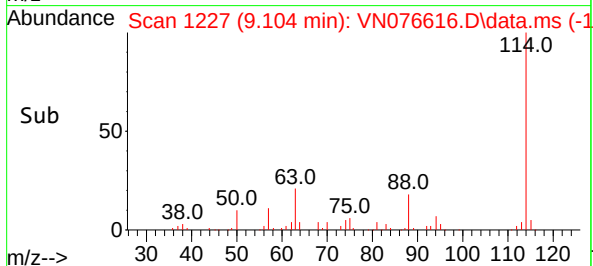
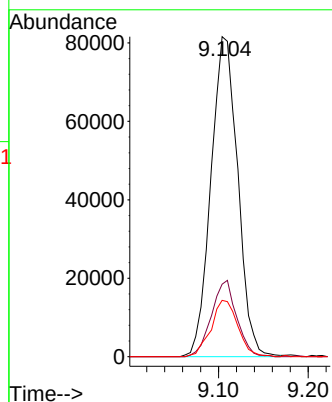
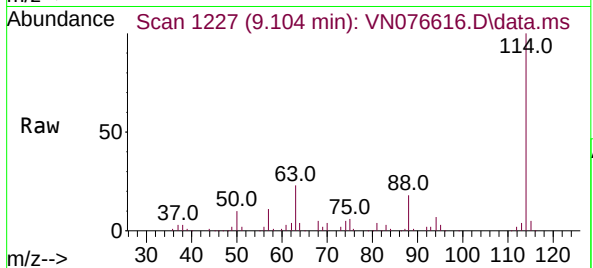
Tgt Ion:114 Resp: 169381

Ion Ratio Lower Upper

114 100

63 22.3 16.6 25.0

88 17.6 12.2 18.4



#36

1,2-Dichloroethane

Concen: 1.247 ug/l

RT: 9.110 min Scan# 1228

Delta R.T. 0.427 min

Lab File: VN076616.D

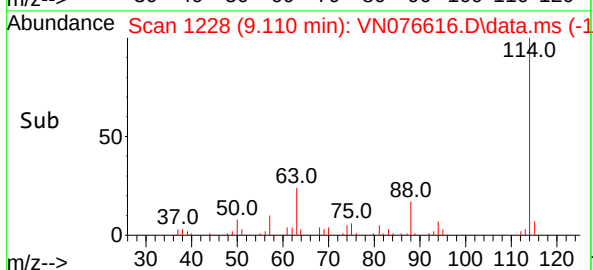
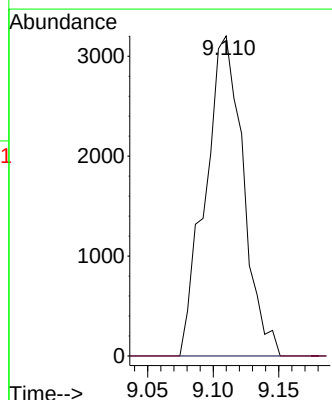
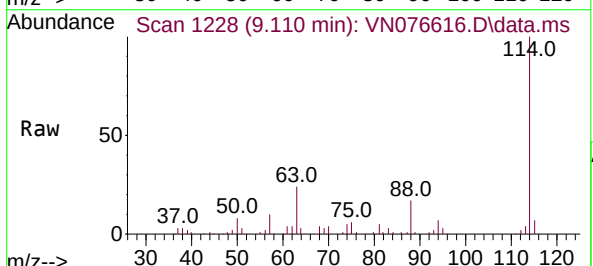
Acq: 10 Feb 2023 17:57

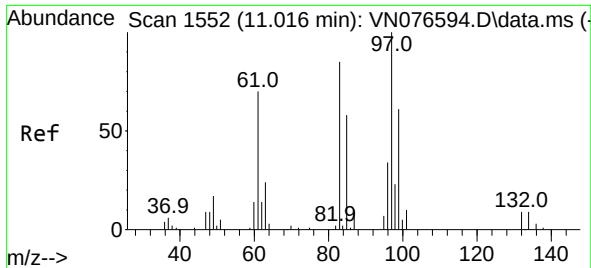
Tgt Ion: 62 Resp: 6441

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#

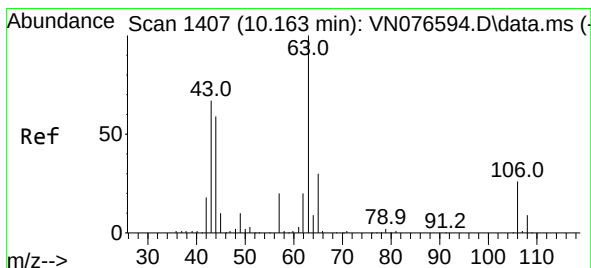
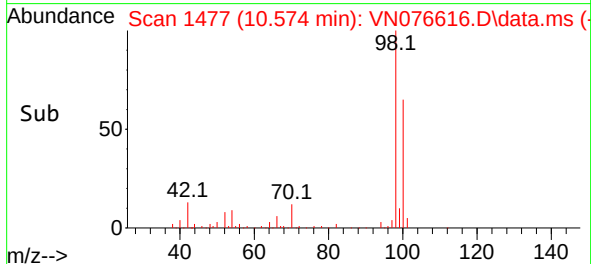
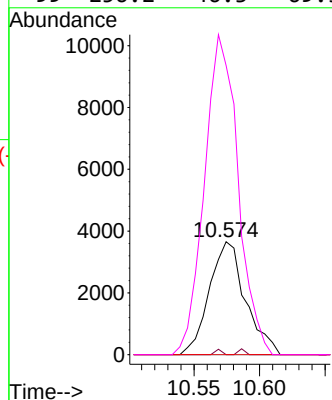
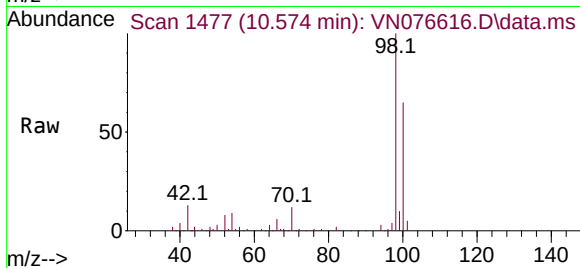




#50
1,1,2-Trichloroethane
Concen: 2.439 ug/l
RT: 10.574 min Scan# 1477
Delta R.T. -0.444 min
Lab File: VN076616.D
Acq: 10 Feb 2023 17:57

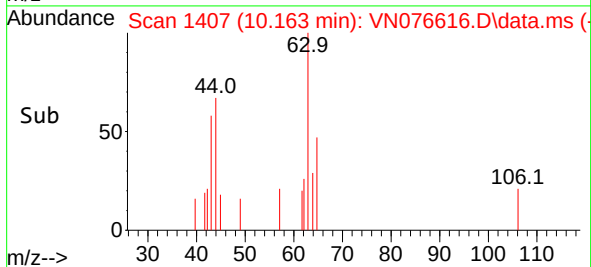
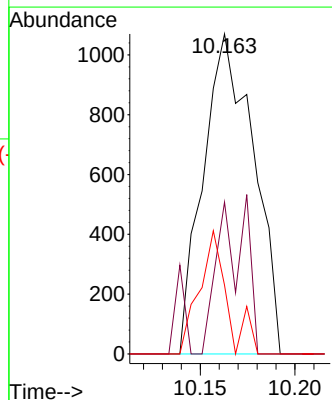
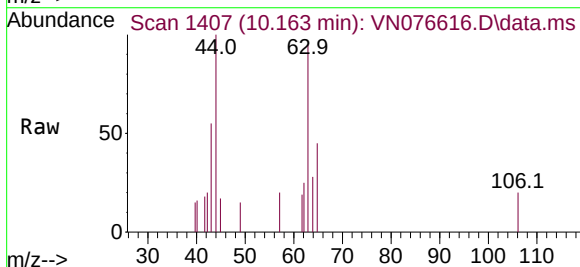
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IBLK

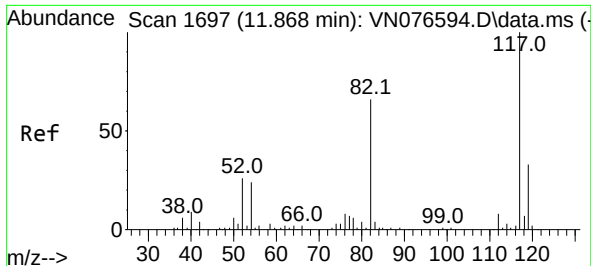
Tgt Ion:	97	Resp:	7005
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.2	103.8#
85	0.0	41.4	62.2#
99	256.2	46.3	69.5#



#55
2-Chloroethyl vinyl ether
Concen: 0.950 ug/l
RT: 10.163 min Scan# 1407
Delta R.T. -0.002 min
Lab File: VN076616.D
Acq: 10 Feb 2023 17:57

Tgt Ion:	63	Resp:	1979
Ion	Ratio	Lower	Upper
63	100		
65	17.2	24.6	36.8#
106	18.4	21.3	31.9#

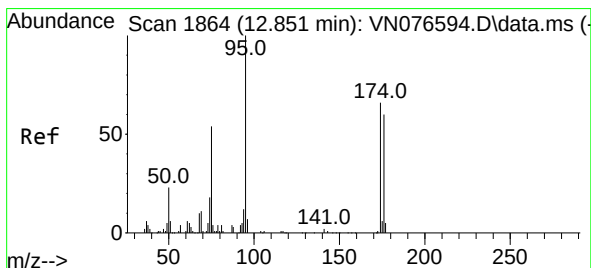
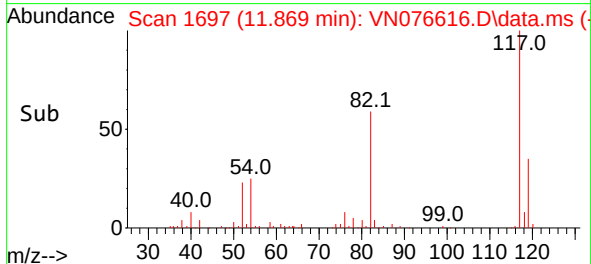
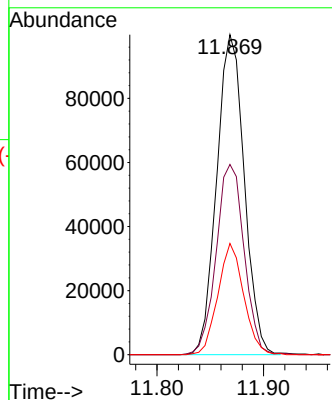
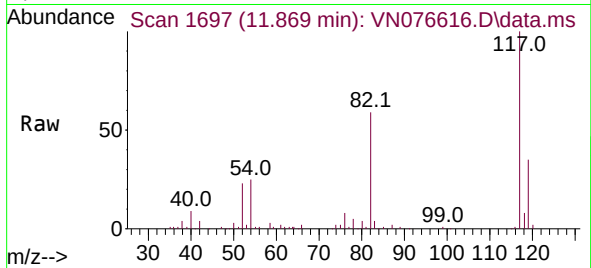




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.869 min Scan# 117
Delta R.T. -0.002 min
Lab File: VN076616.D
Acq: 10 Feb 2023 17:57

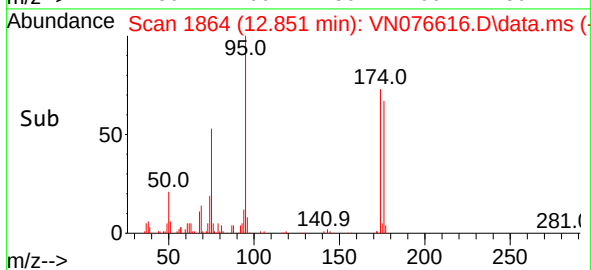
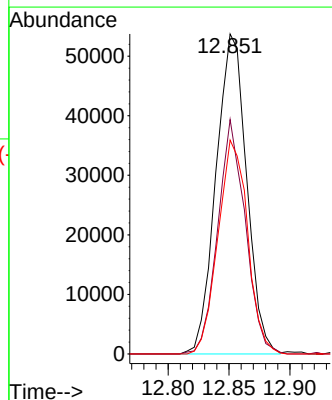
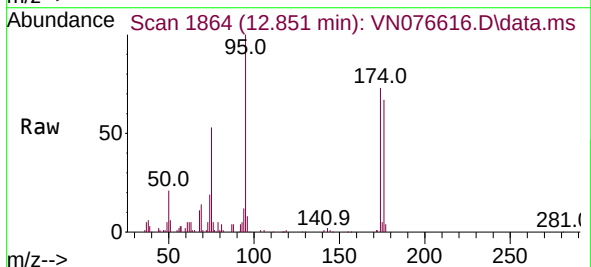
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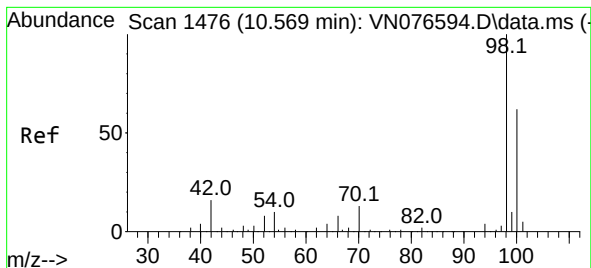
Tgt Ion:117 Resp: 179729
Ion Ratio Lower Upper
117 100
82 60.1 44.6 67.0
119 32.4 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 23.156 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076616.D
Acq: 10 Feb 2023 17:57

Tgt Ion: 95 Resp: 93956
Ion Ratio Lower Upper
95 100
174 65.9 57.8 86.8
176 64.7 57.0 85.4





#63

Toluene-d8

Concen: 28.255 ug/l

RT: 10.569 min Scan# 14

Delta R.T. -0.002 min

Lab File: VN076616.D

Acq: 10 Feb 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

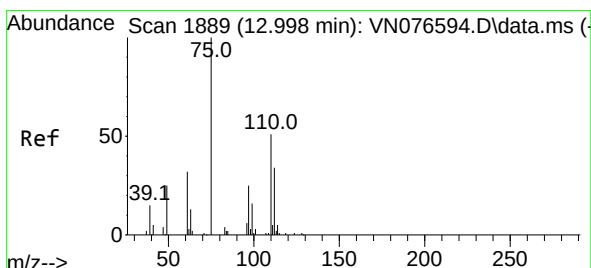
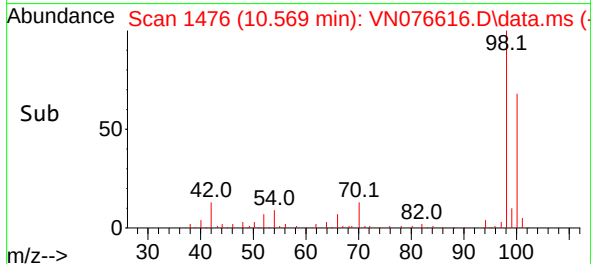
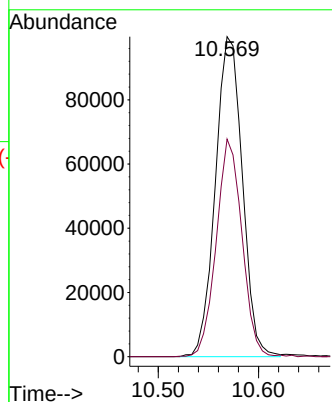
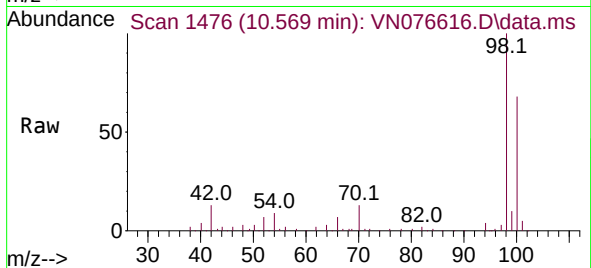
IBLK

Tgt Ion: 98 Resp: 186465

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



#72

1,2,3-Trichloropropane

Concen: 10.594 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.143 min

Lab File: VN076616.D

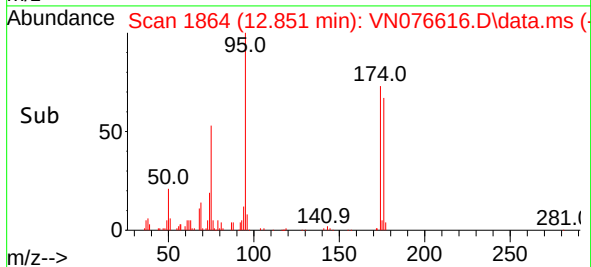
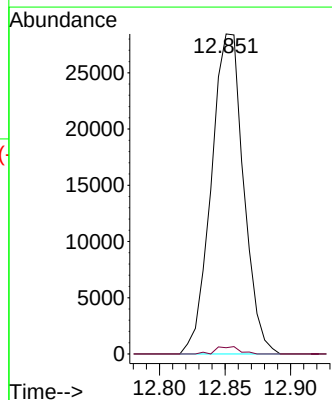
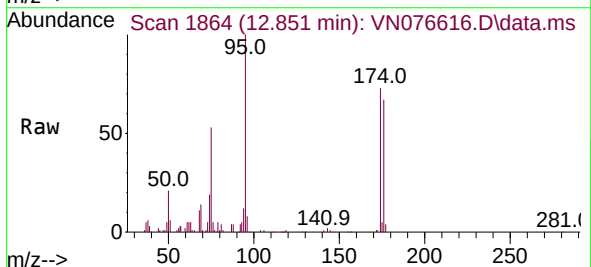
Acq: 10 Feb 2023 17:57

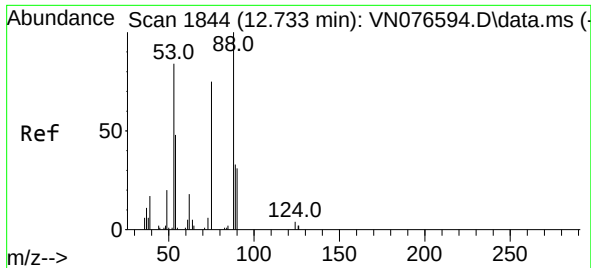
Tgt Ion: 75 Resp: 48814

Ion Ratio Lower Upper

75 100

77 1.6 0.0 372.4





#77

t-1,4-Dichloro-2-butene

Concen: 35.122 ug/l

RT: 12.851 min Scan# 11

Delta R.T. 0.116 min

Lab File: VN076616.D

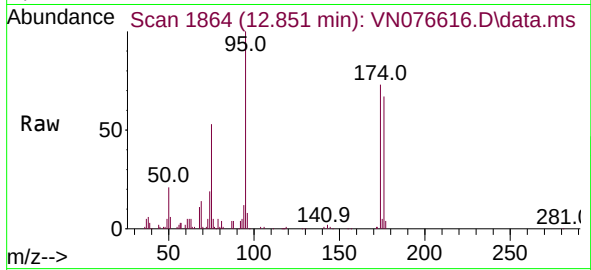
Acq: 10 Feb 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion: 75 Resp: 48814

Ion Ratio Lower Upper

75 100

53 0.0 43.3 129.9#

89 0.0 21.1 63.1#

