

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076690.D
 Acq On : 15 Feb 2023 17:16
 Operator : JC\MD
 Sample : 01535-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 16 04:33:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

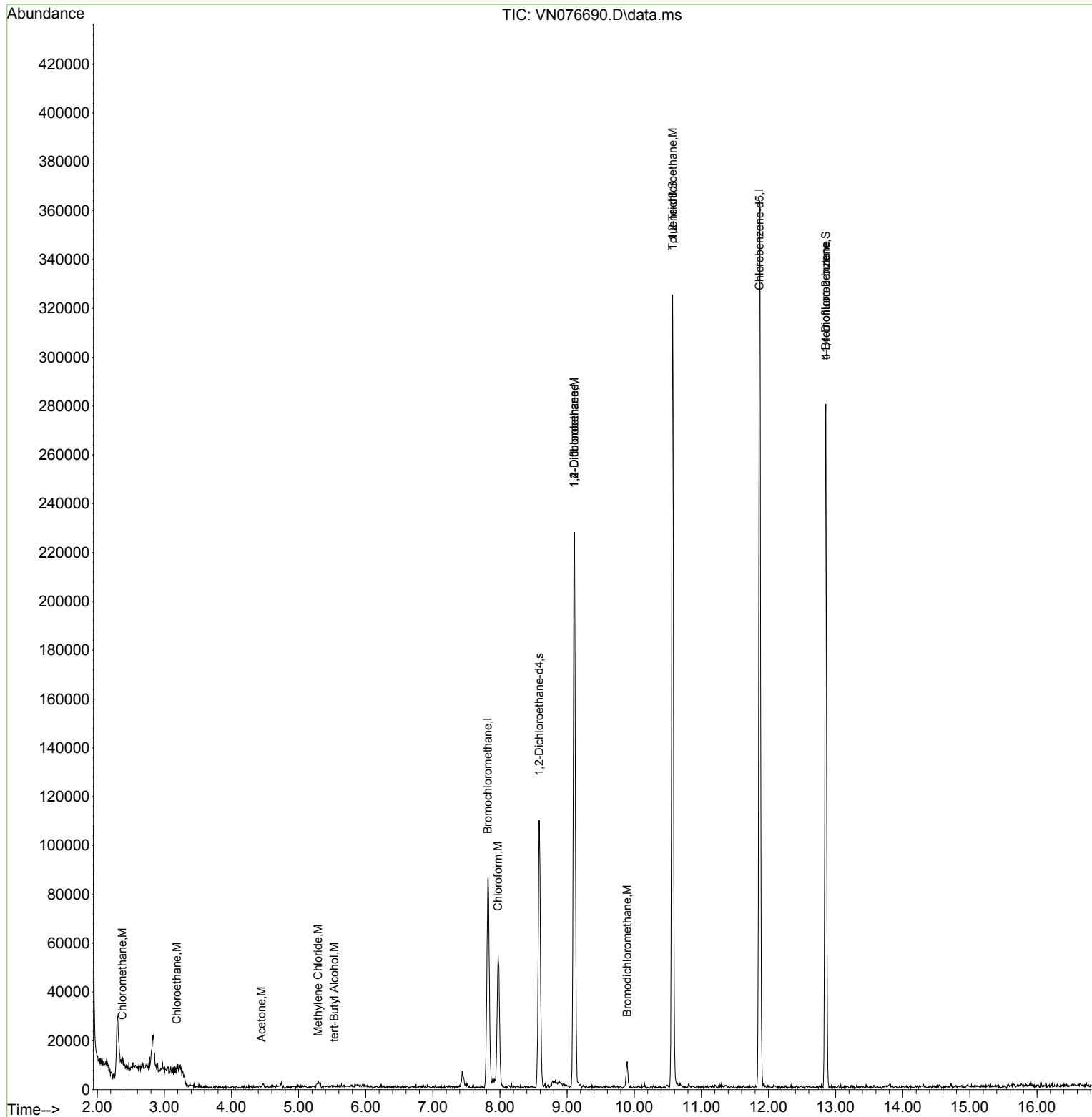
Internal Standards						
1) Bromochloromethane	7.819	128	28351	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	193259	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	205217	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	82923	31.979	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.600%
60) 4-Bromofluorobenzene	12.854	95	88970	24.511	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.700%
63) Toluene-d8	10.572	98	212725	29.594	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.633%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	752	0.204	ug/l #	43
6) Chloroethane	3.184	64	621	0.244	ug/l	95
15) Acetone	4.448	58	182	0.319	ug/l #	13
18) Methylene Chloride	5.289	84	1245	0.353	ug/l #	39
23) tert-Butyl Alcohol	5.531	59	213	0.419	ug/l #	100
25) Chloroform	7.972	83	49575	8.161	ug/l	97
36) 1,2-Dichloroethane	9.107	62	7327	1.555	ug/l #	75
41) Bromodichloromethane	9.895	83	5926	1.267	ug/l #	76
50) 1,1,2-Trichloroethane	10.572	97	7776	2.293	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.854	75	53354	38.441	ug/l #	9

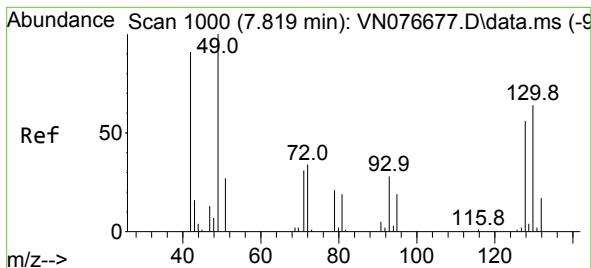
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 16 01:08:46 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.819 min Scan# 10

Delta R.T. -0.000 min

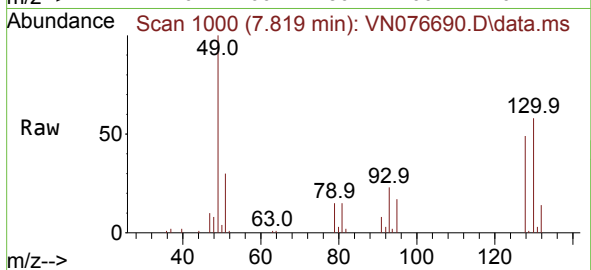
Lab File: VN076690.D

Acq: 15 Feb 2023 17:16

Instrument :

MSVOA_N

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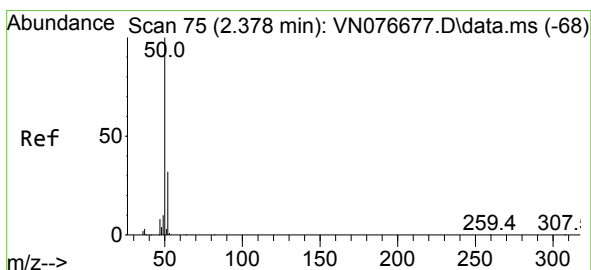
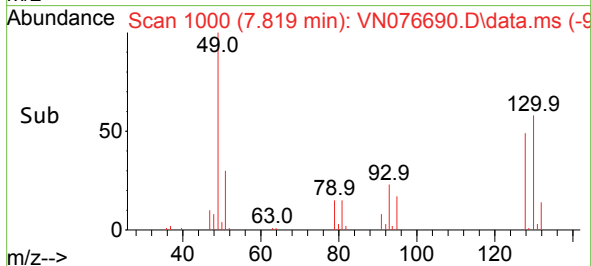
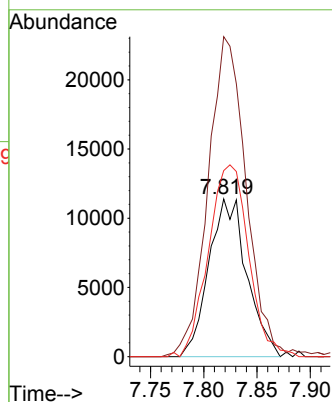
Tgt Ion:128 Resp: 28351

Ion Ratio Lower Upper

128 100

49 201.4 0.0 461.8

130 127.9 0.0 295.3



#3

Chloromethane

Concen: 0.204 ug/l

RT: 2.372 min Scan# 74

Delta R.T. -0.006 min

Lab File: VN076690.D

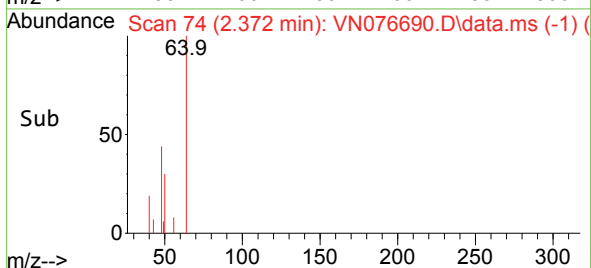
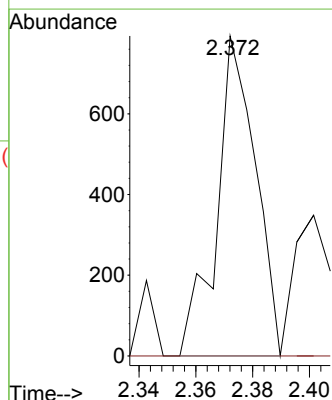
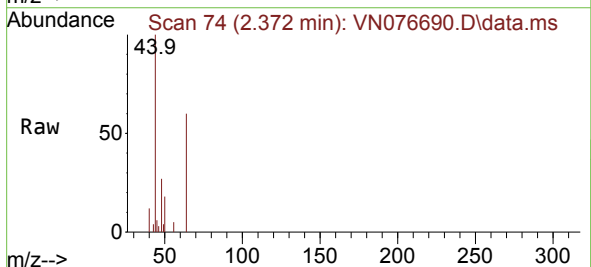
Acq: 15 Feb 2023 17:16

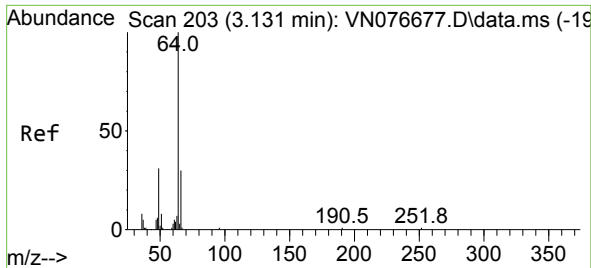
Tgt Ion: 50 Resp: 752

Ion Ratio Lower Upper

50 100

52 0.0 25.3 37.9#

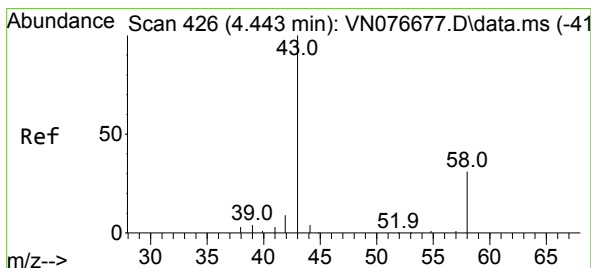
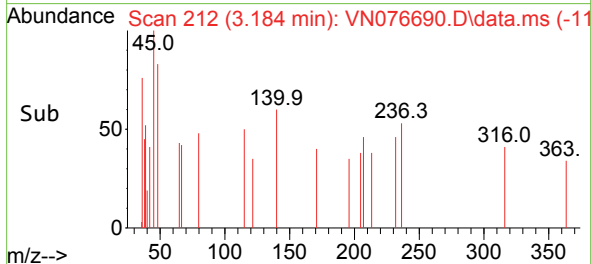
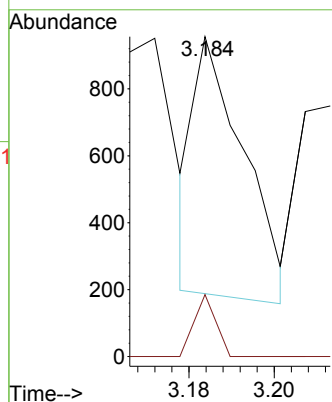
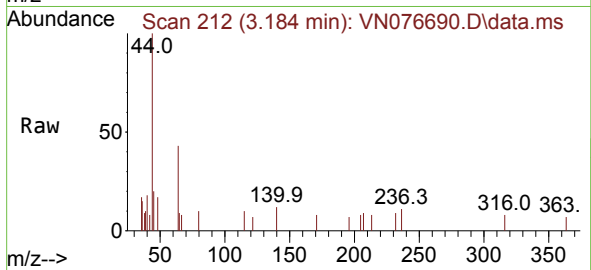




#6
Chloroethane
Concen: 0.244 ug/l
RT: 3.184 min Scan# 21
Delta R.T. 0.053 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

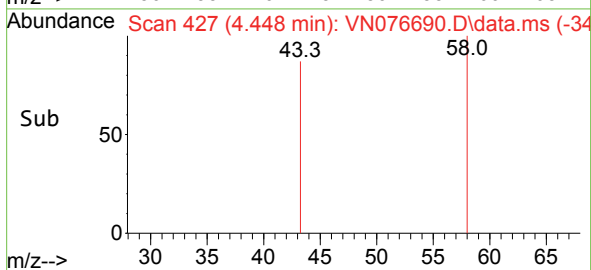
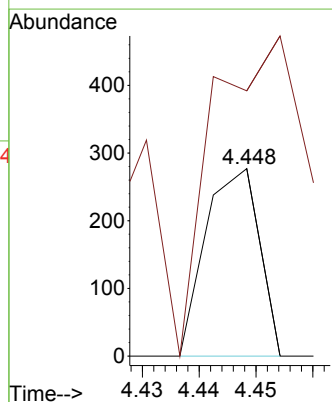
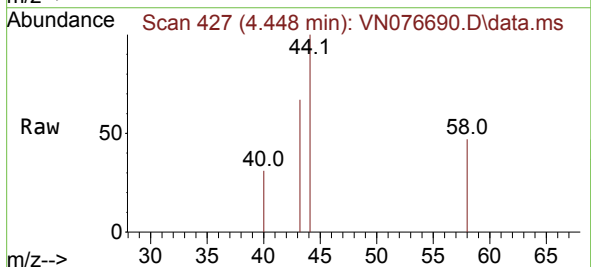
Instrument :
MSVOA_N
ClientSampleId :

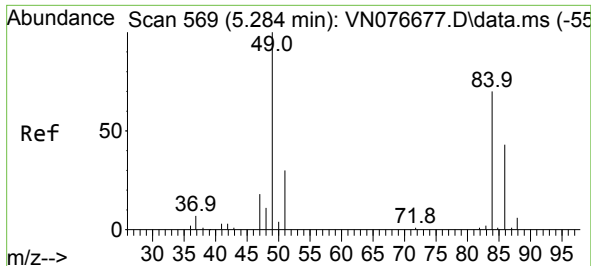
Tgt Ion: 64 Resp: 621
Ion Ratio Lower Upper
64 100
66 26.9 23.8 35.6



#15
Acetone
Concen: 0.319 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.006 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

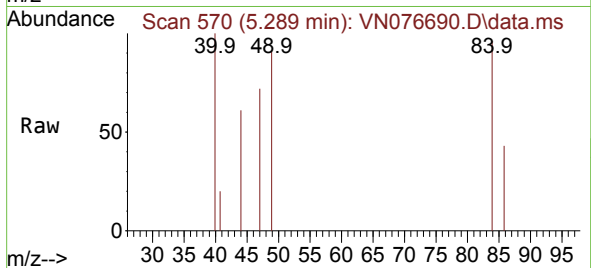
Tgt Ion: 58 Resp: 182
Ion Ratio Lower Upper
58 100
43 141.5 255.4 383.0#



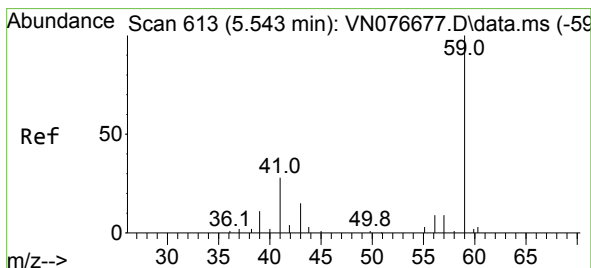
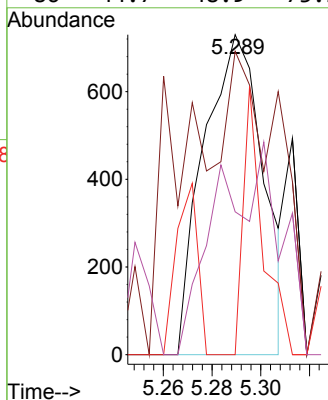
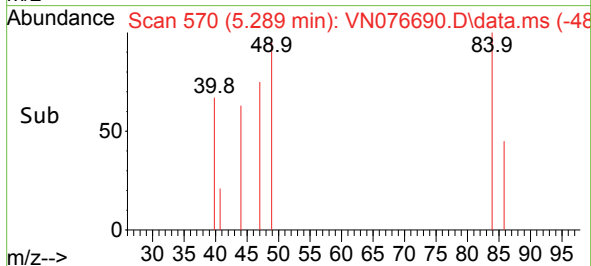


#18
Methylene Chloride
Concen: 0.353 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :

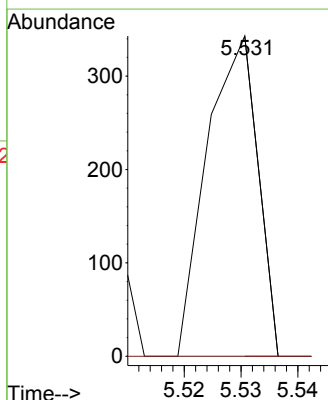
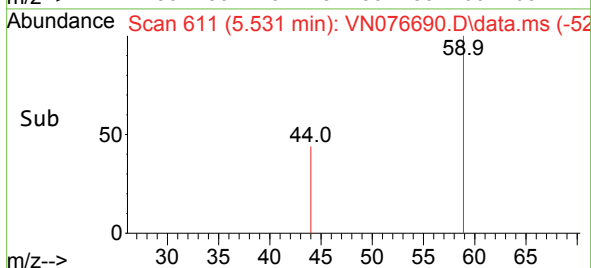
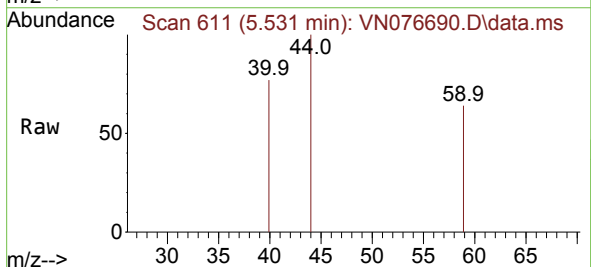


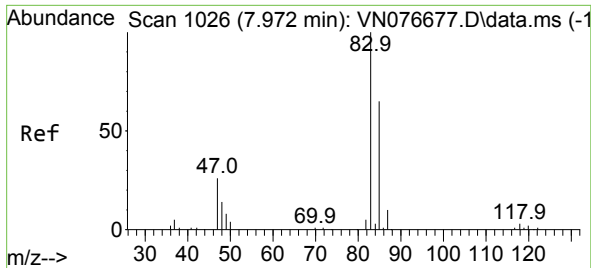
Tgt Ion: 84 Resp: 1245
Ion Ratio Lower Upper
84 100
49 48.4 113.8 170.6#
51 0.0 34.2 51.4#
86 44.7 48.9 73.3#



#23
tert-Butyl Alcohol
Concen: 0.419 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.012 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#

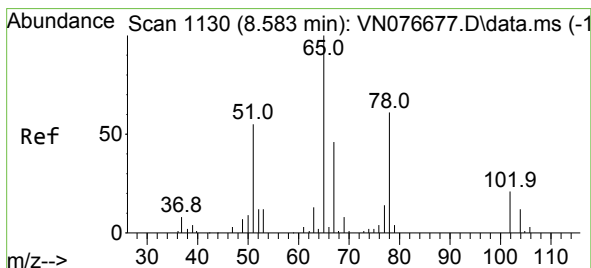
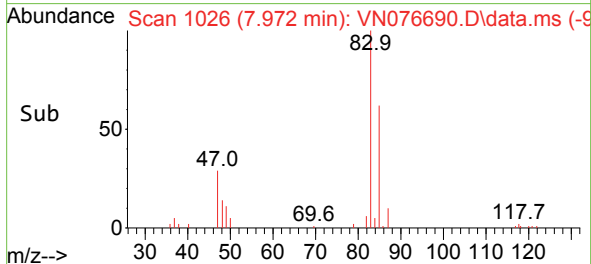
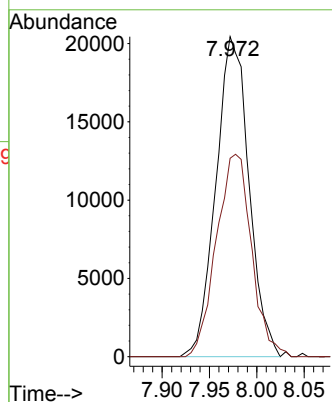
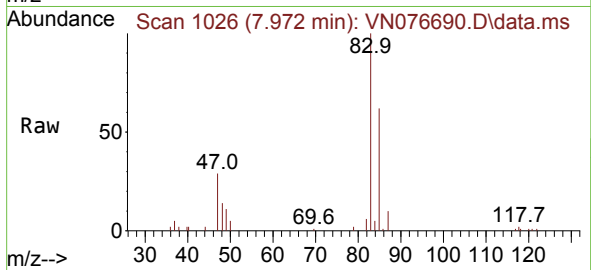




#25
Chloroform
Concen: 8.161 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

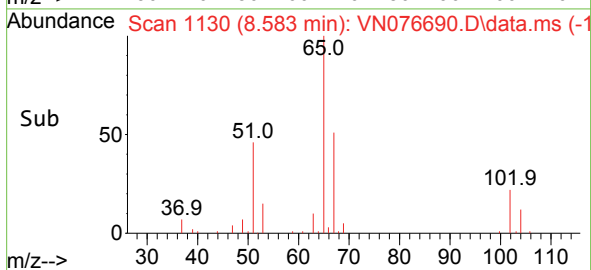
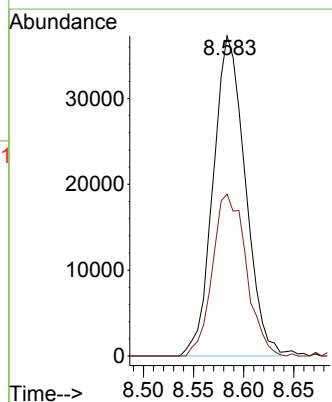
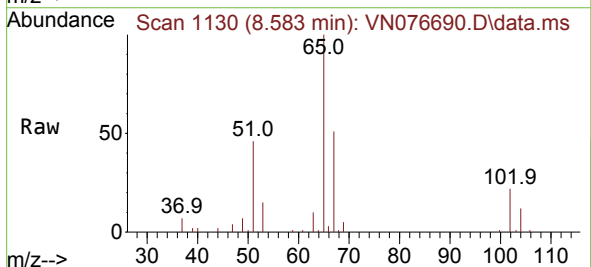
Instrument :
MSVOA_N
ClientSampleId :

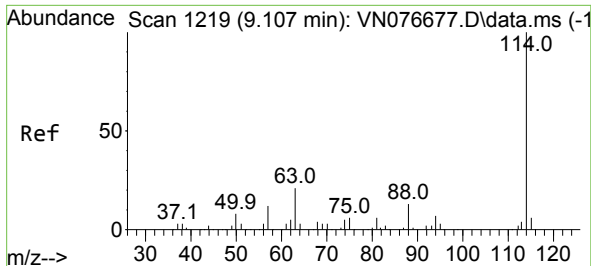
Tgt Ion: 83 Resp: 49575
Ion Ratio Lower Upper
83 100
85 62.0 51.8 77.6



#27
1,2-Dichloroethane-d4
Concen: 31.979 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

Tgt Ion: 65 Resp: 82923
Ion Ratio Lower Upper
65 100
67 53.2 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076690.D

Acq: 15 Feb 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

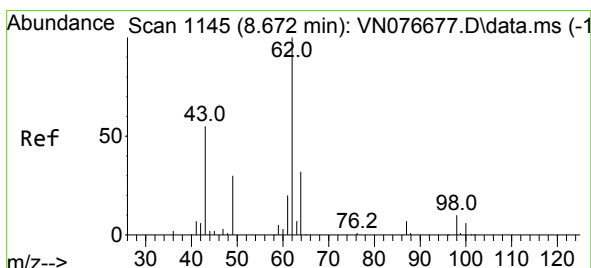
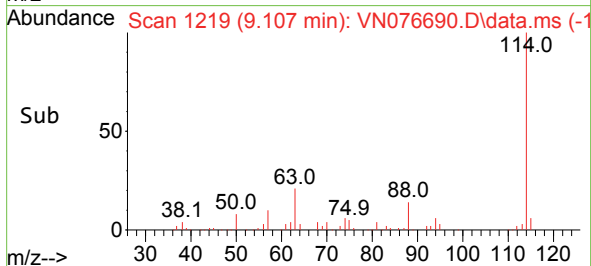
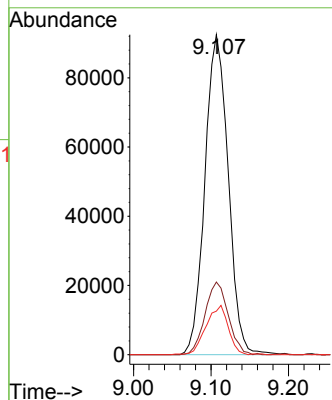
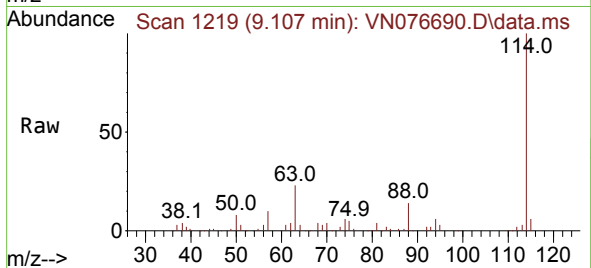
Tgt Ion:114 Resp: 193259

Ion Ratio Lower Upper

114 100

63 22.5 17.0 25.4

88 14.6 11.6 17.4



#36

1,2-Dichloroethane

Concen: 1.555 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.435 min

Lab File: VN076690.D

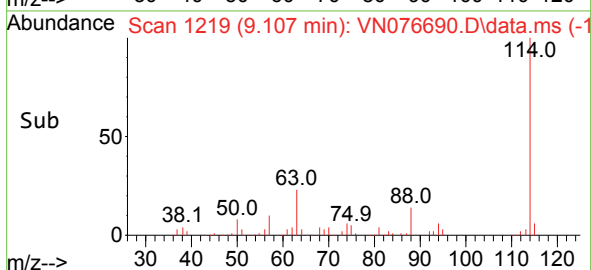
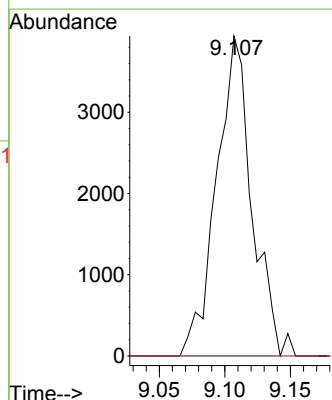
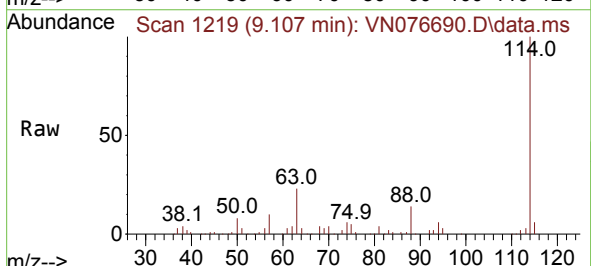
Acq: 15 Feb 2023 17:16

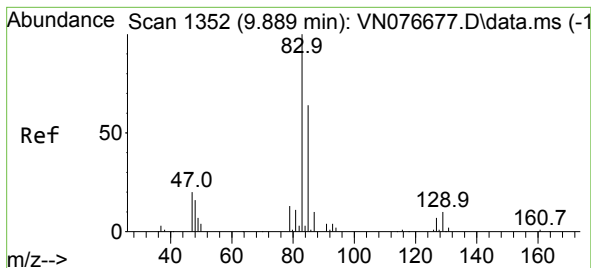
Tgt Ion: 62 Resp: 7327

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#





#41

Bromodichloromethane

Concen: 1.267 ug/l

RT: 9.895 min Scan# 11

Delta R.T. 0.006 min

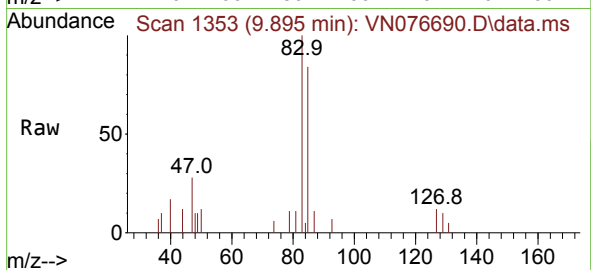
Lab File: VN076690.D

Acq: 15 Feb 2023 17:16

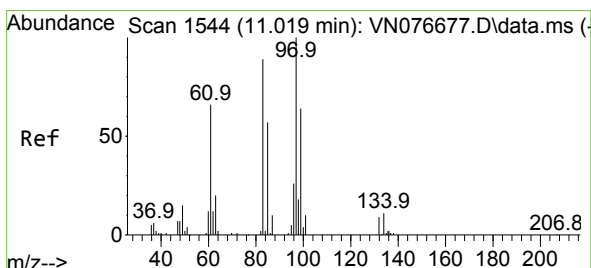
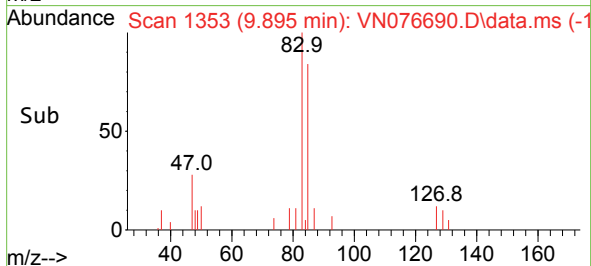
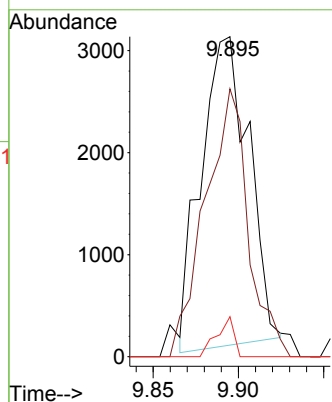
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	83	Resp:	5926
Ion	Ratio	Lower	Upper
83	100		
85	83.1	51.0	76.4#
127	13.3	6.2	9.2#



#50

1,1,2-Trichloroethane

Concen: 2.293 ug/l

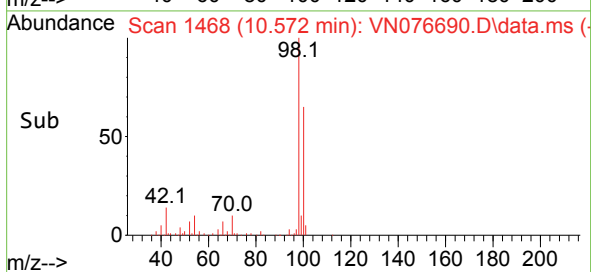
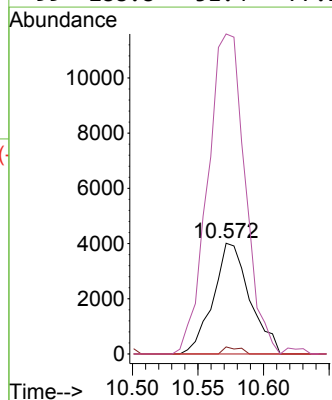
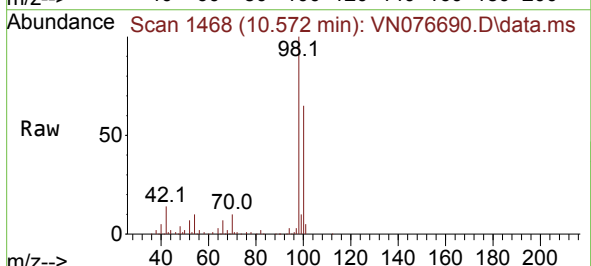
RT: 10.572 min Scan# 1468

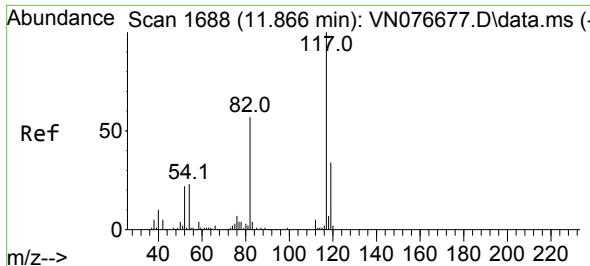
Delta R.T. -0.447 min

Lab File: VN076690.D

Acq: 15 Feb 2023 17:16

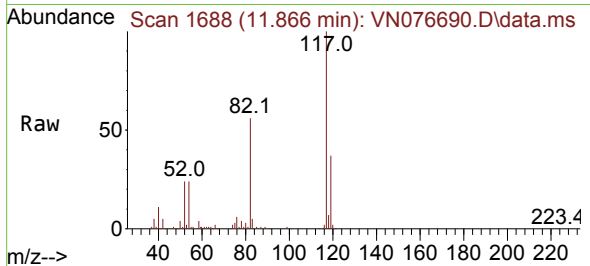
Tgt Ion:	97	Resp:	7776
Ion	Ratio	Lower	Upper
97	100		
83	6.4	71.0	106.4#
85	0.0	45.5	68.3#
99	288.8	51.4	77.2#



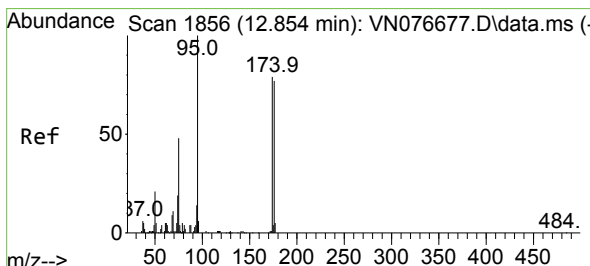
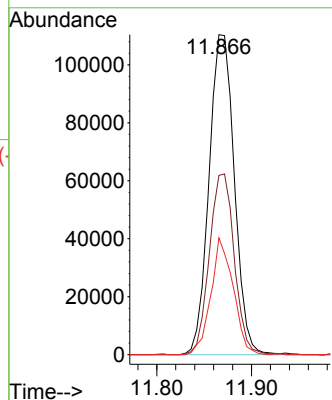
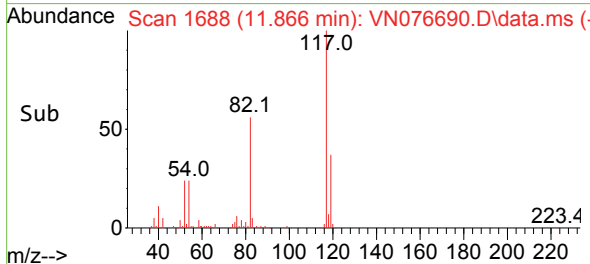


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :

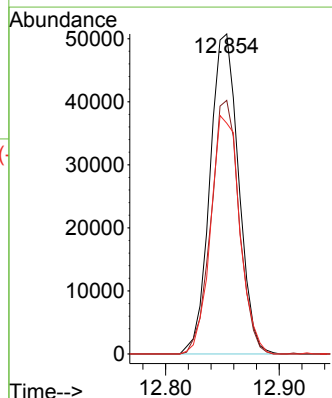
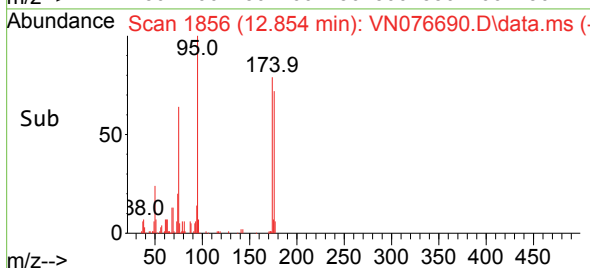
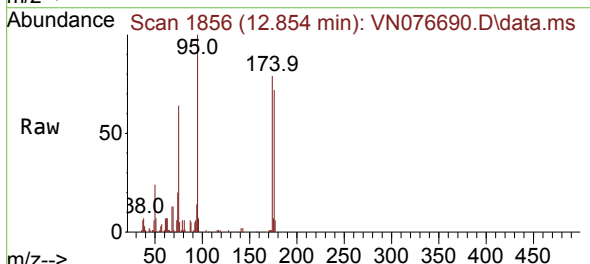


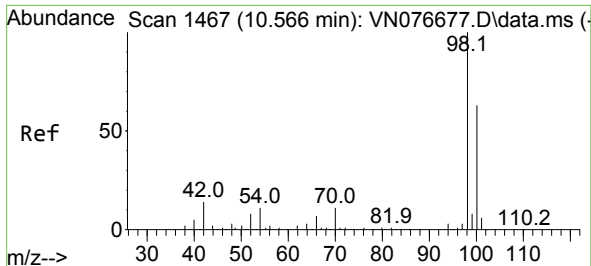
Tgt Ion:117 Resp: 205217
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.0
119 32.2 26.8 40.2



#60
4-Bromofluorobenzene
Concen: 24.511 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

Tgt Ion: 95 Resp: 88970
Ion Ratio Lower Upper
95 100
174 77.7 64.2 96.4
176 75.4 61.4 92.0

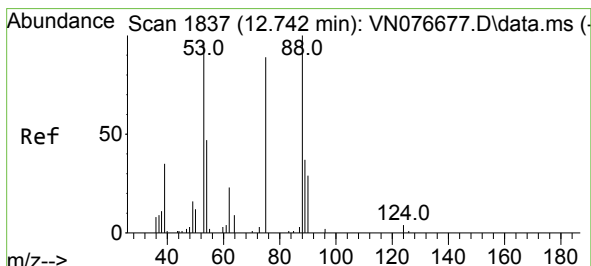
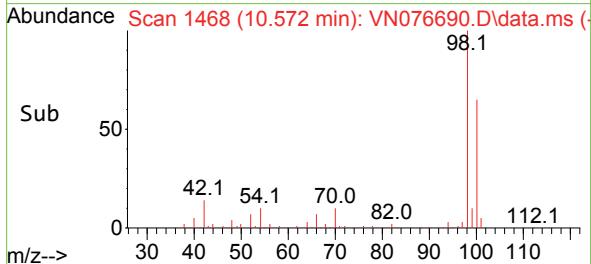
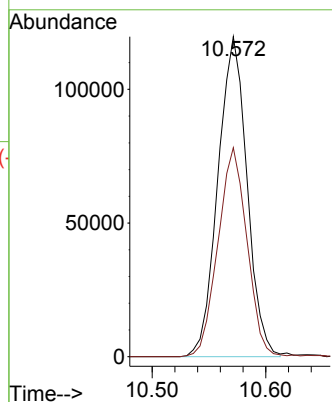
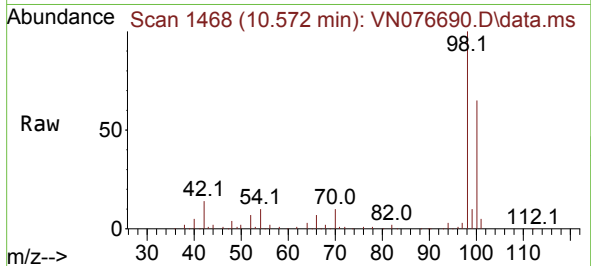




#63
Toluene-d8
Concen: 29.594 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 212725
Ion Ratio Lower Upper
98 100
100 65.0 53.8 80.6



#77
t-1,4-Dichloro-2-butene
Concen: 38.441 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076690.D
Acq: 15 Feb 2023 17:16

Tgt Ion: 75 Resp: 53354
Ion Ratio Lower Upper
75 100
53 0.0 50.4 151.3#
89 0.0 22.1 66.5#

