

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076689.D
 Acq On : 15 Feb 2023 16:52
 Operator : JC\MD
 Sample : 01535-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 16 04:33:38 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)

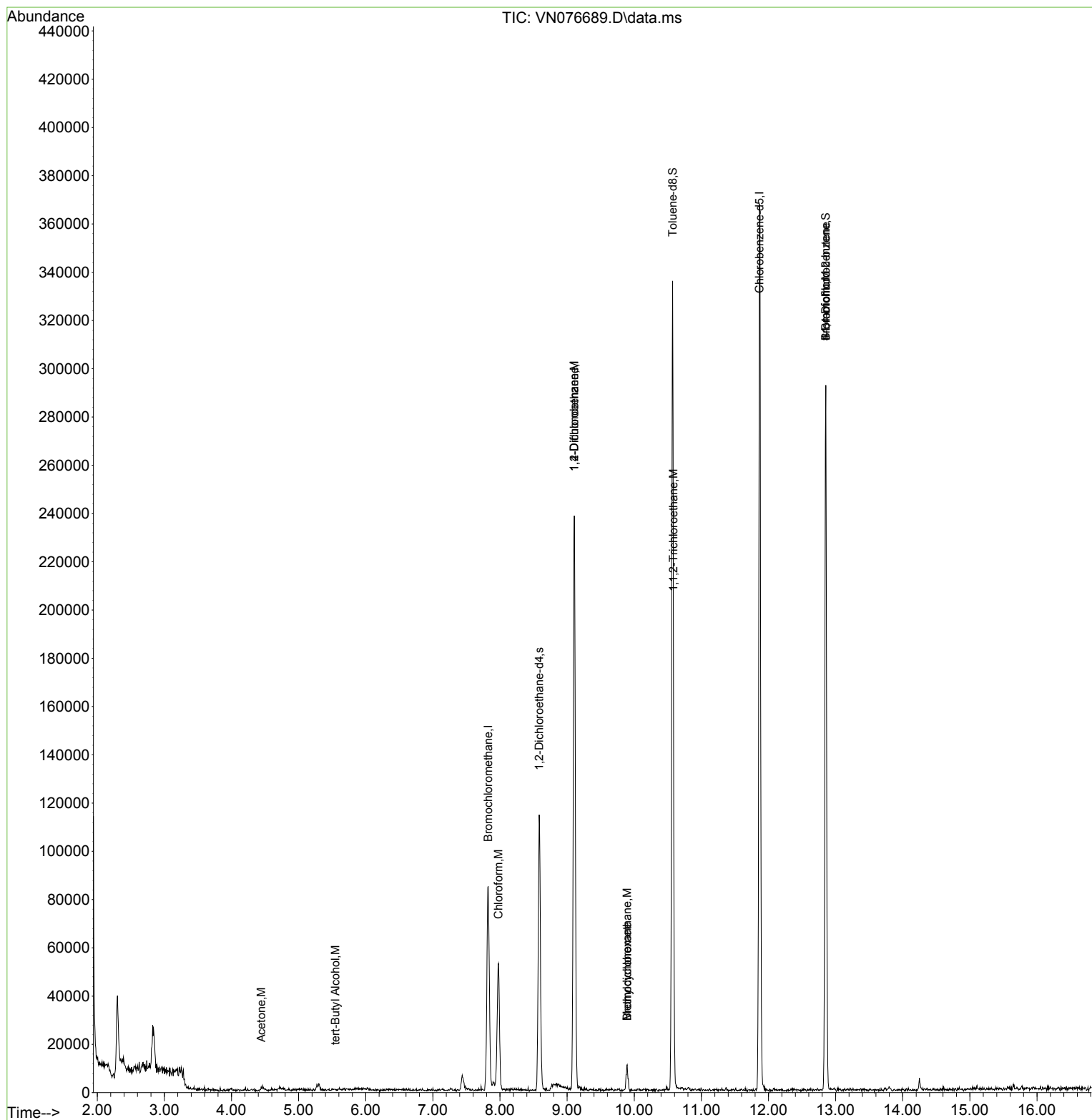
Internal Standards						
1) Bromochloromethane	7.824	128	27883	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	197846	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	205599	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	88318	34.632	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 115.433%#	
60) 4-Bromofluorobenzene	12.854	95	94905	26.097	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 87.000%	
63) Toluene-d8	10.571	98	217700	30.230	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.767%	
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	131	0.234	ug/l #	1
23) tert-Butyl Alcohol	5.548	59	222	0.444	ug/l #	100
25) Chloroform	7.977	83	45897	7.682	ug/l	93
36) 1,2-Dichloroethane	9.107	62	7785	1.614	ug/l #	75
38) Methylcyclohexane	9.895	83	6395	1.126	ug/l #	18
41) Bromodichloromethane	9.895	83	6395	1.335	ug/l #	81
50) 1,1,2-Trichloroethane	10.583	97	7114	2.049	ug/l #	1
56) Bromoform	12.854	173	1337	0.544	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.854	75	50788	36.524	ug/l #	9

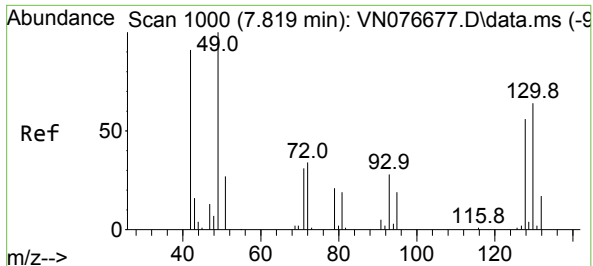
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
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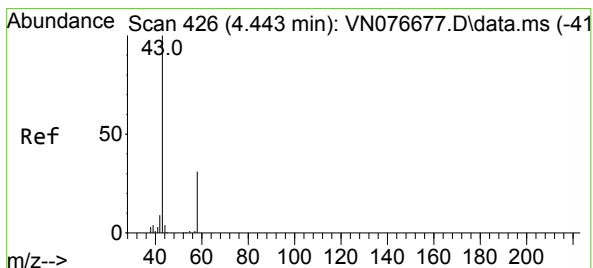
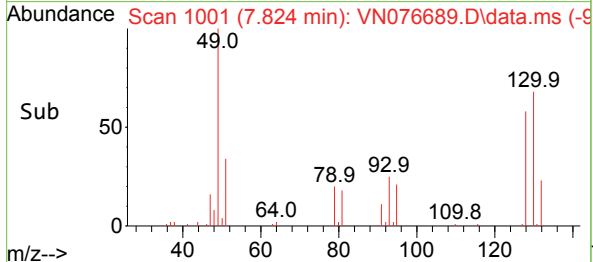
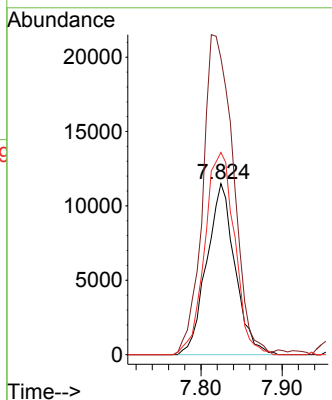
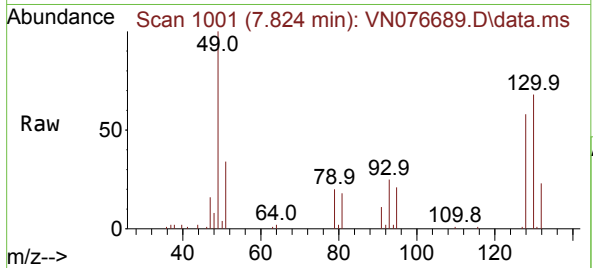




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN076689.D
Acq: 15 Feb 2023 16:52

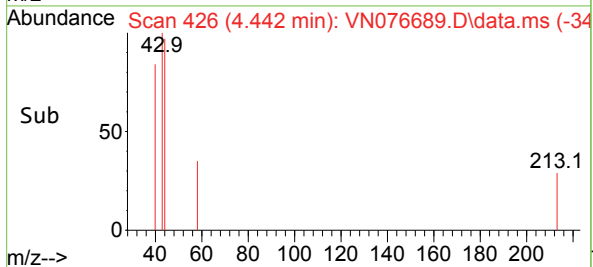
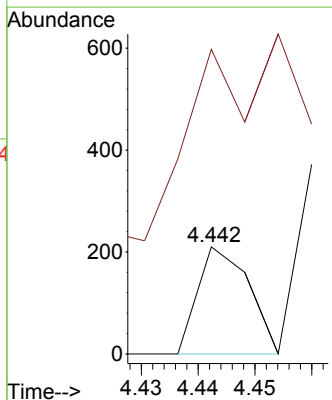
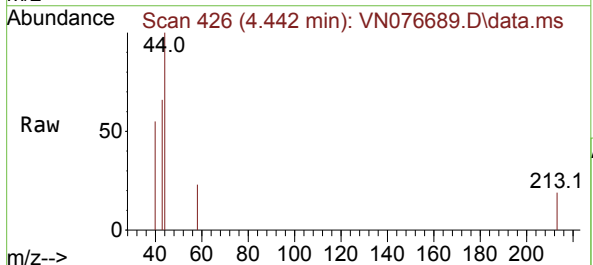
Instrument :
MSVOA_N
ClientSampleId :

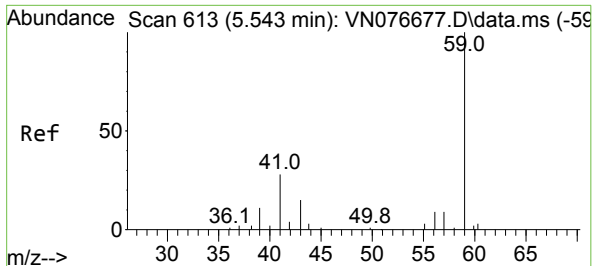
Tgt Ion:128 Resp: 27883
Ion Ratio Lower Upper
128 100
49 201.7 0.0 461.8
130 125.2 0.0 295.3



#15
Acetone
Concen: 0.234 ug/l
RT: 4.442 min Scan# 426
Delta R.T. -0.000 min
Lab File: VN076689.D
Acq: 15 Feb 2023 16:52

Tgt Ion: 58 Resp: 131
Ion Ratio Lower Upper
58 100
43 102.4 255.4 383.0#





#23

tert-Butyl Alcohol

Concen: 0.444 ug/l

RT: 5.548 min Scan# 61

Delta R.T. 0.006 min

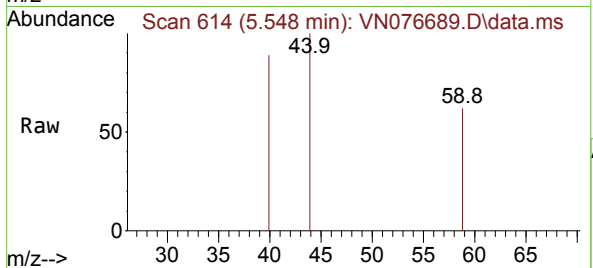
Lab File: VN076689.D

Acq: 15 Feb 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

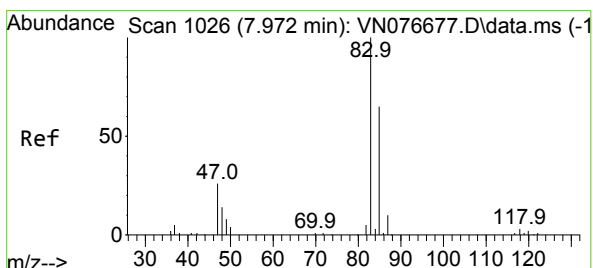
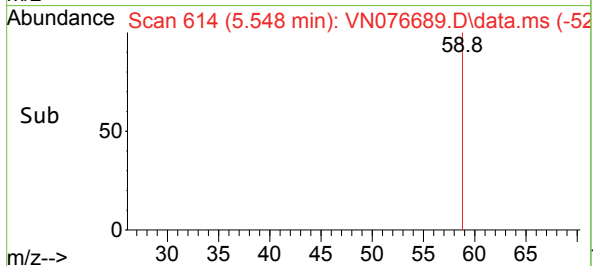
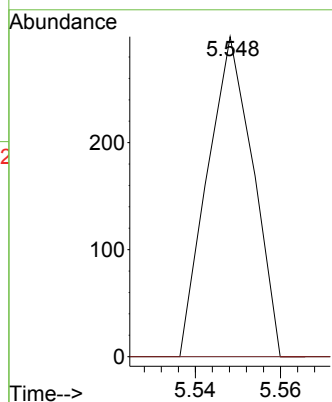


Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#



#25

Chloroform

Concen: 7.682 ug/l

RT: 7.977 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VN076689.D

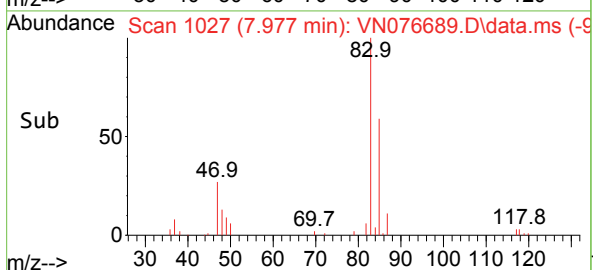
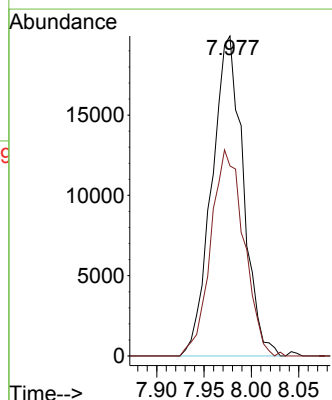
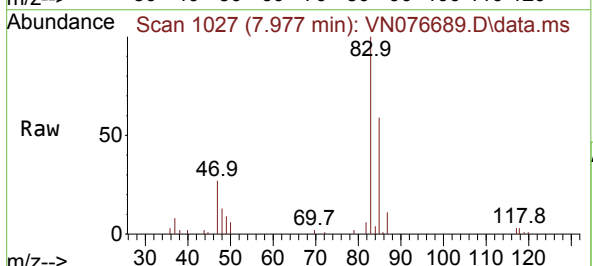
Acq: 15 Feb 2023 16:52

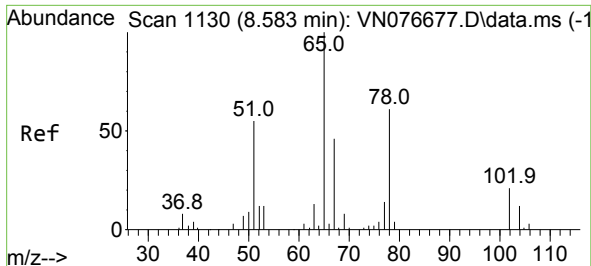
Tgt Ion: 83 Resp: 45897

Ion Ratio Lower Upper

83 100

85 59.4 51.8 77.6





#27

1,2-Dichloroethane-d4

Concen: 34.632 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076689.D

Acq: 15 Feb 2023 16:52

Instrument :

MSVOA_N

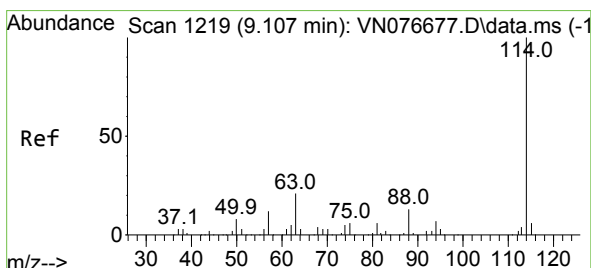
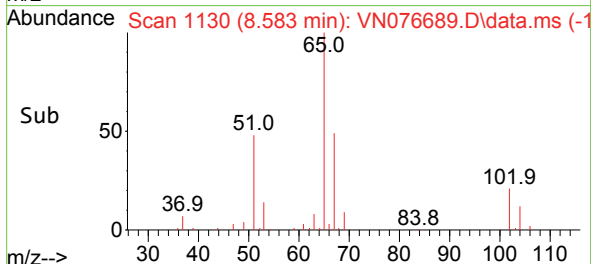
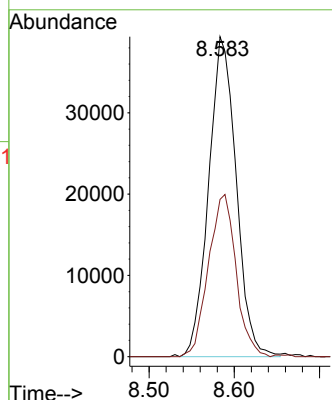
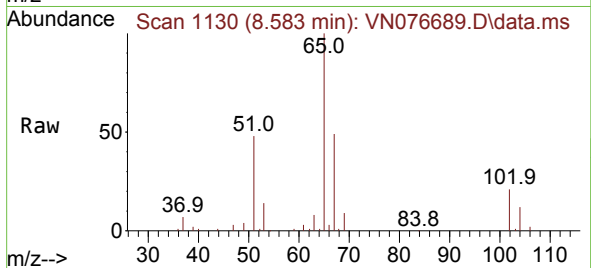
ClientSampleId :

Tgt Ion: 65 Resp: 88318

Ion Ratio Lower Upper

65 100

67 50.7 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: VN076689.D

Acq: 15 Feb 2023 16:52

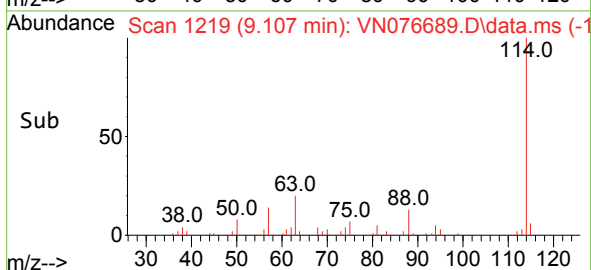
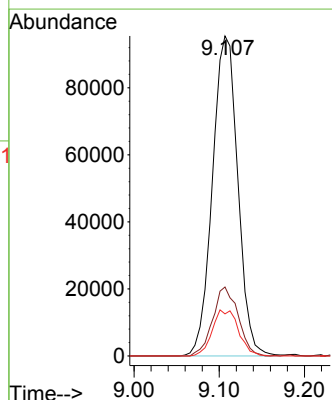
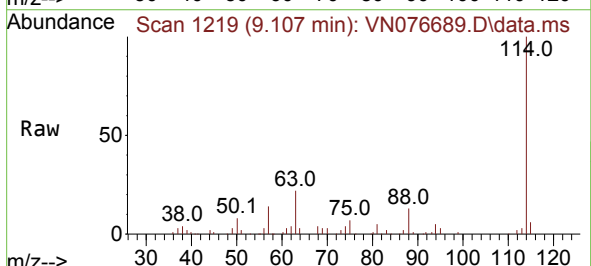
Tgt Ion: 114 Resp: 197846

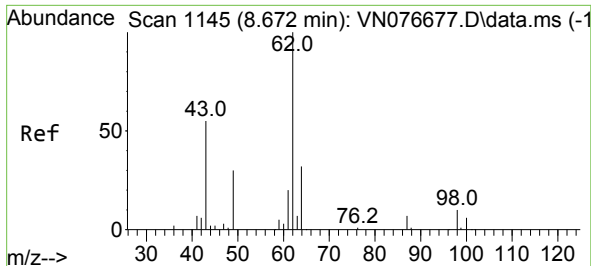
Ion Ratio Lower Upper

114 100

63 21.5 17.0 25.4

88 14.8 11.6 17.4





#36

1,2-Dichloroethane

Concen: 1.614 ug/l

RT: 9.107 min Scan# 1145

Delta R.T. 0.435 min

Lab File: VN076689.D

Acq: 15 Feb 2023 16:52

Instrument :

MSVOA_N

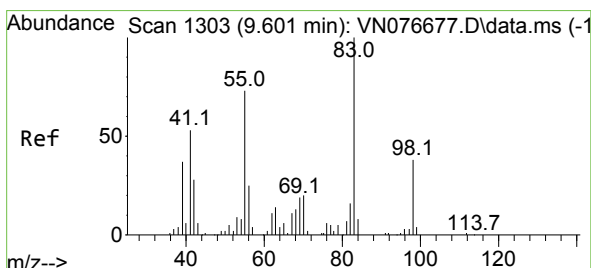
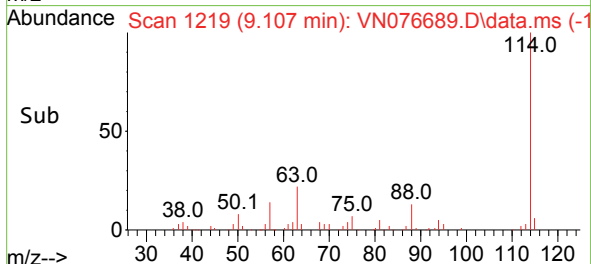
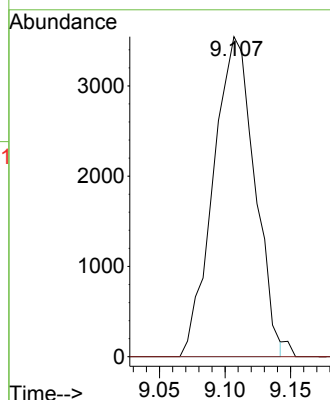
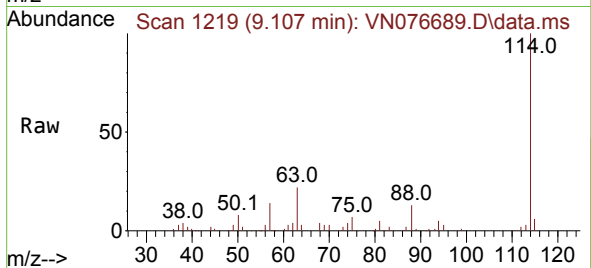
ClientSampleId :

Tgt Ion: 62 Resp: 7785

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#38

Methylcyclohexane

Concen: 1.126 ug/l

RT: 9.895 min Scan# 1353

Delta R.T. 0.294 min

Lab File: VN076689.D

Acq: 15 Feb 2023 16:52

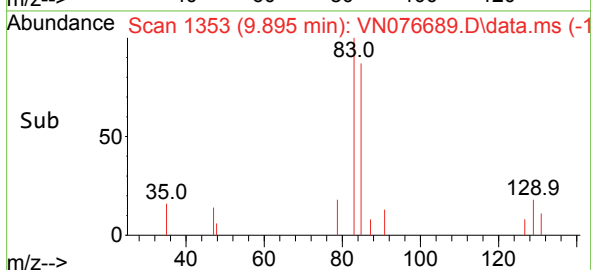
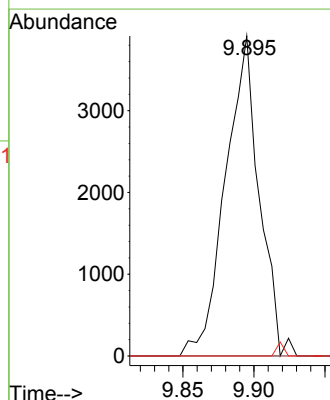
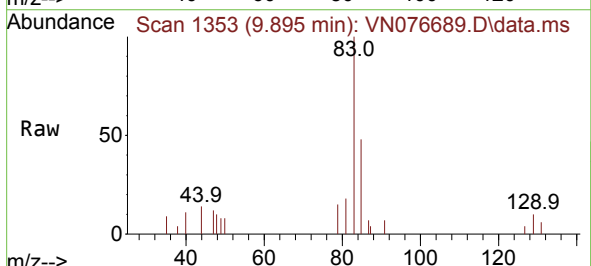
Tgt Ion: 83 Resp: 6395

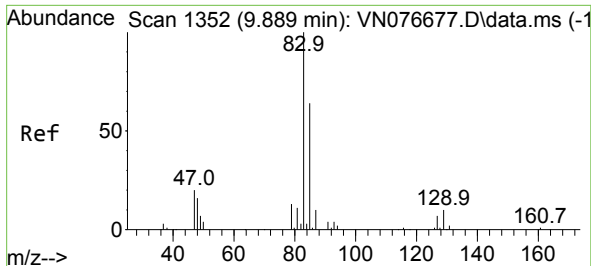
Ion Ratio Lower Upper

83 100

55 0.0 37.6 112.9#

98 0.0 24.1 72.4#

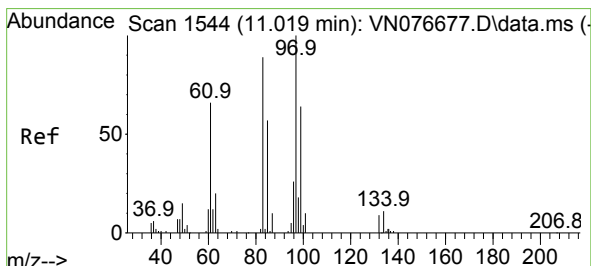
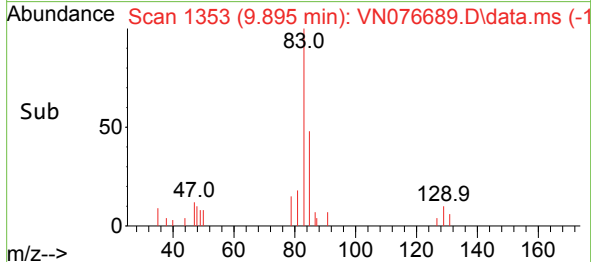
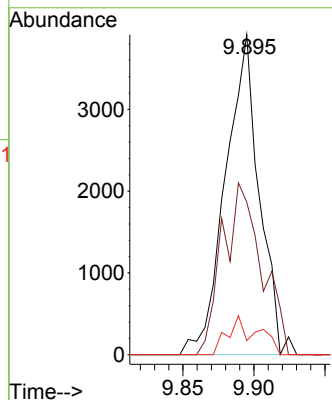
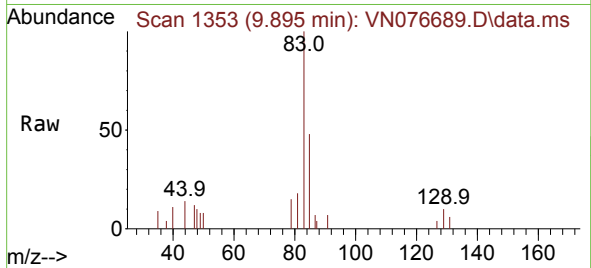




#41
Bromodichloromethane
Concen: 1.335 ug/l
RT: 9.895 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076689.D
Acq: 15 Feb 2023 16:52

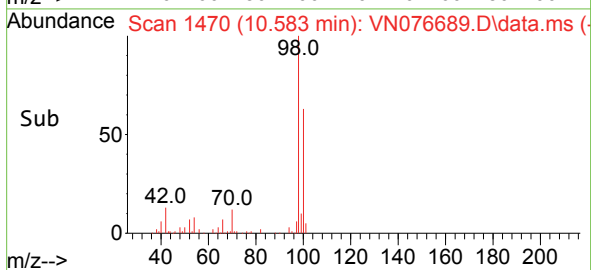
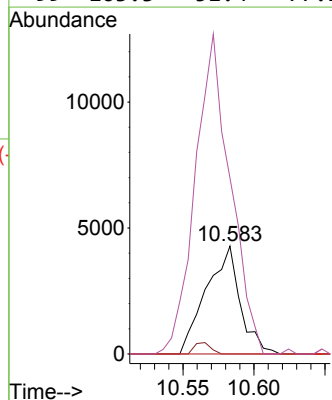
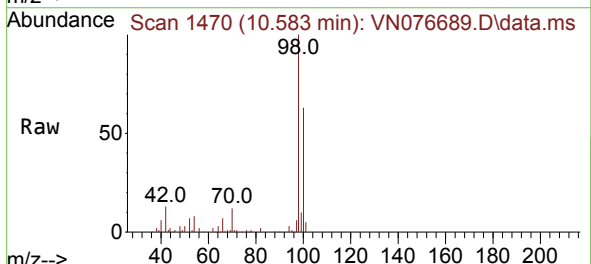
Instrument :
MSVOA_N
ClientSampleId :

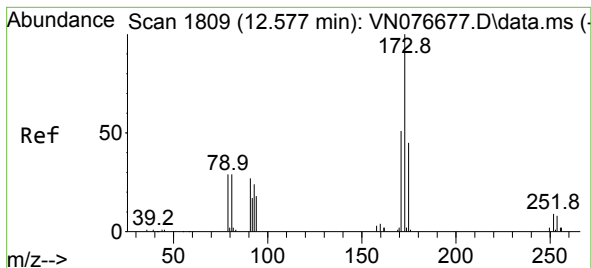
Tgt Ion: 83 Resp: 6395
Ion Ratio Lower Upper
83 100
85 47.6 51.0 76.4#
127 4.4 6.2 9.2#



#50
1,1,2-Trichloroethane
Concen: 2.049 ug/l
RT: 10.583 min Scan# 1470
Delta R.T. -0.436 min
Lab File: VN076689.D
Acq: 15 Feb 2023 16:52

Tgt Ion: 97 Resp: 7114
Ion Ratio Lower Upper
97 100
83 0.0 71.0 106.4#
85 0.0 45.5 68.3#
99 163.3 51.4 77.2#





#56

Bromoform

Concen: 0.544 ug/l

RT: 12.854 min Scan# 11

Delta R.T. 0.276 min

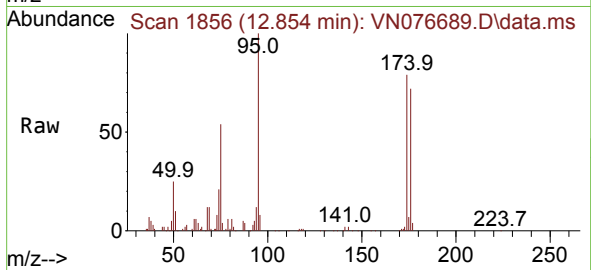
Lab File: VN076689.D

Acq: 15 Feb 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :



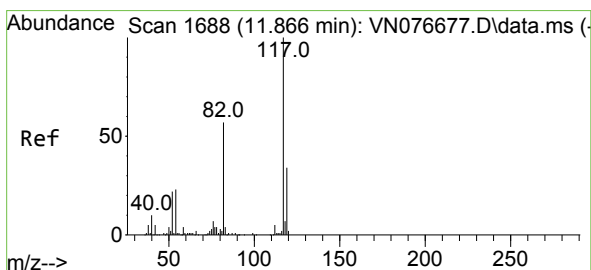
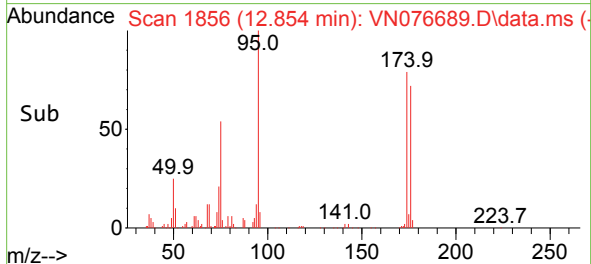
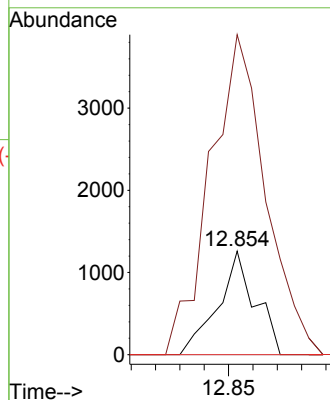
Tgt Ion:173 Resp: 1337

Ion Ratio Lower Upper

173 100

175 459.8 37.8 56.6#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VN076689.D

Acq: 15 Feb 2023 16:52

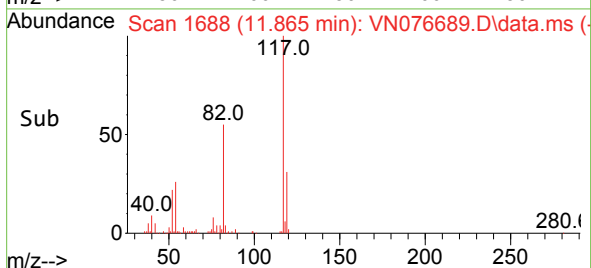
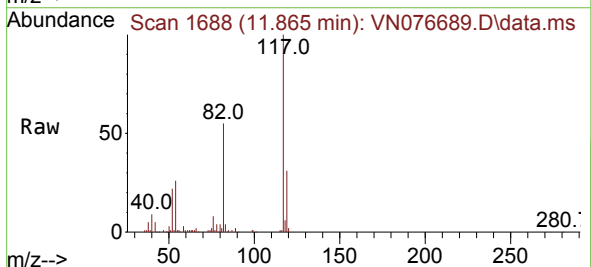
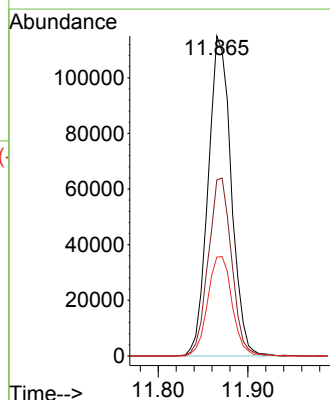
Tgt Ion:117 Resp: 205599

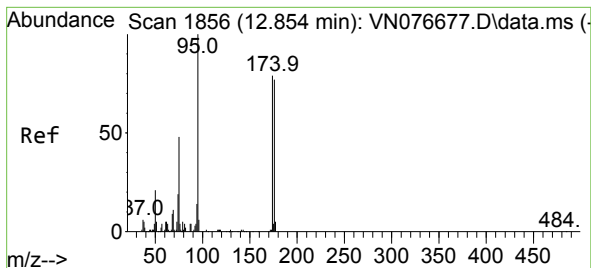
Ion Ratio Lower Upper

117 100

82 56.0 45.4 68.0

119 32.8 26.8 40.2

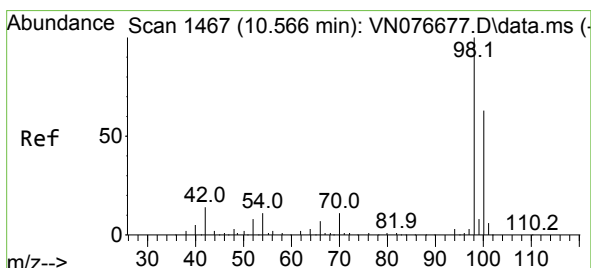
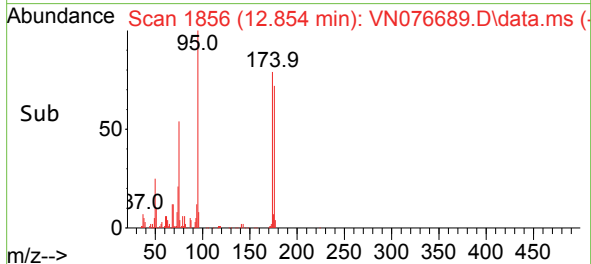
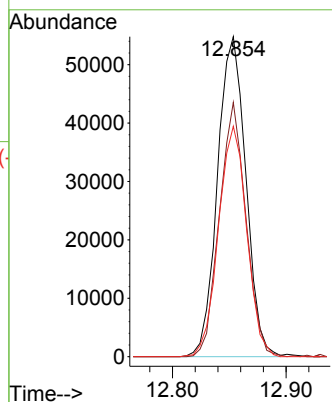
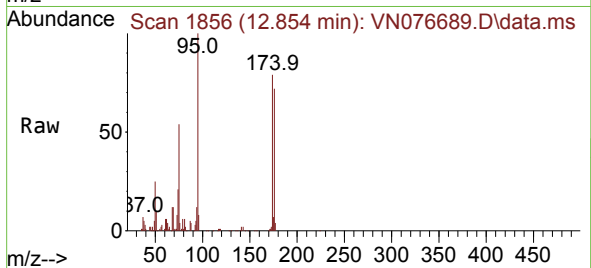




#60
4-Bromofluorobenzene
Concen: 26.097 ug/l
RT: 12.854 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076689.D
Acq: 15 Feb 2023 16:52

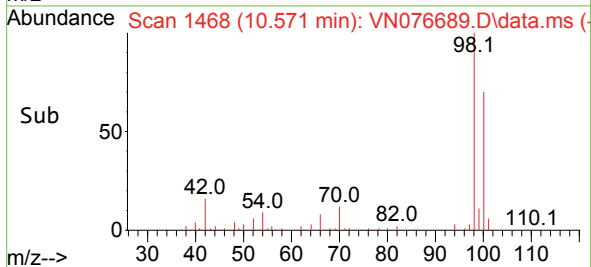
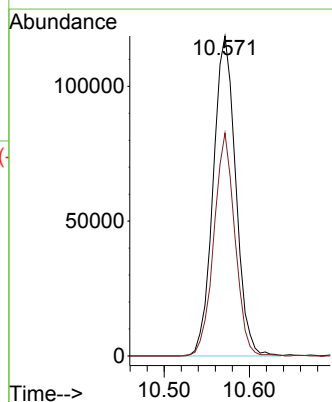
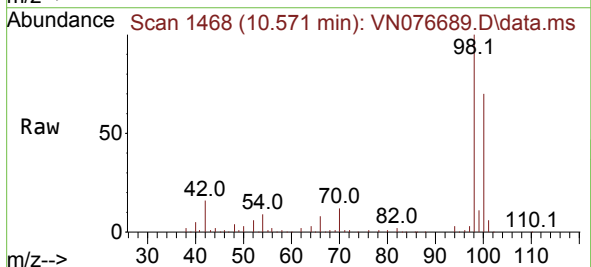
Instrument :
MSVOA_N
ClientSampleId :

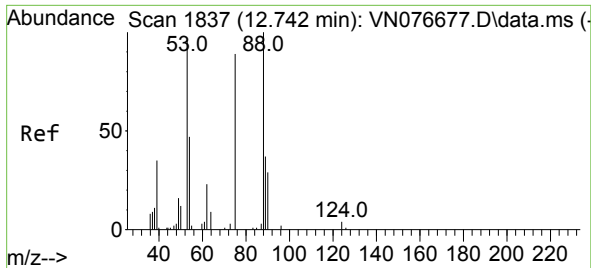
Tgt Ion: 95 Resp: 94905
Ion Ratio Lower Upper
95 100
174 74.4 64.2 96.4
176 71.5 61.4 92.0



#63
Toluene-d8
Concen: 30.230 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076689.D
Acq: 15 Feb 2023 16:52

Tgt Ion: 98 Resp: 217700
Ion Ratio Lower Upper
98 100
100 64.9 53.8 80.6





#77

t-1,4-Dichloro-2-butene

Concen: 36.524 ug/l

RT: 12.854 min Scan# 11

Delta R.T. 0.111 min

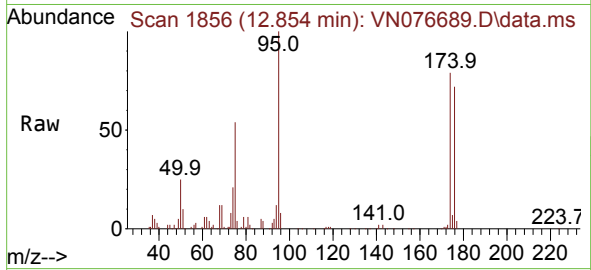
Lab File: VN076689.D

Acq: 15 Feb 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 50788

Ion Ratio Lower Upper

75 100

53 0.0 50.4 151.3#

89 0.0 22.1 66.5#

