

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077020.D
 Acq On : 16 Mar 2023 14:31
 Operator : JC\MD
 Sample : 01923-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-1

Quant Time: Mar 17 03:23:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

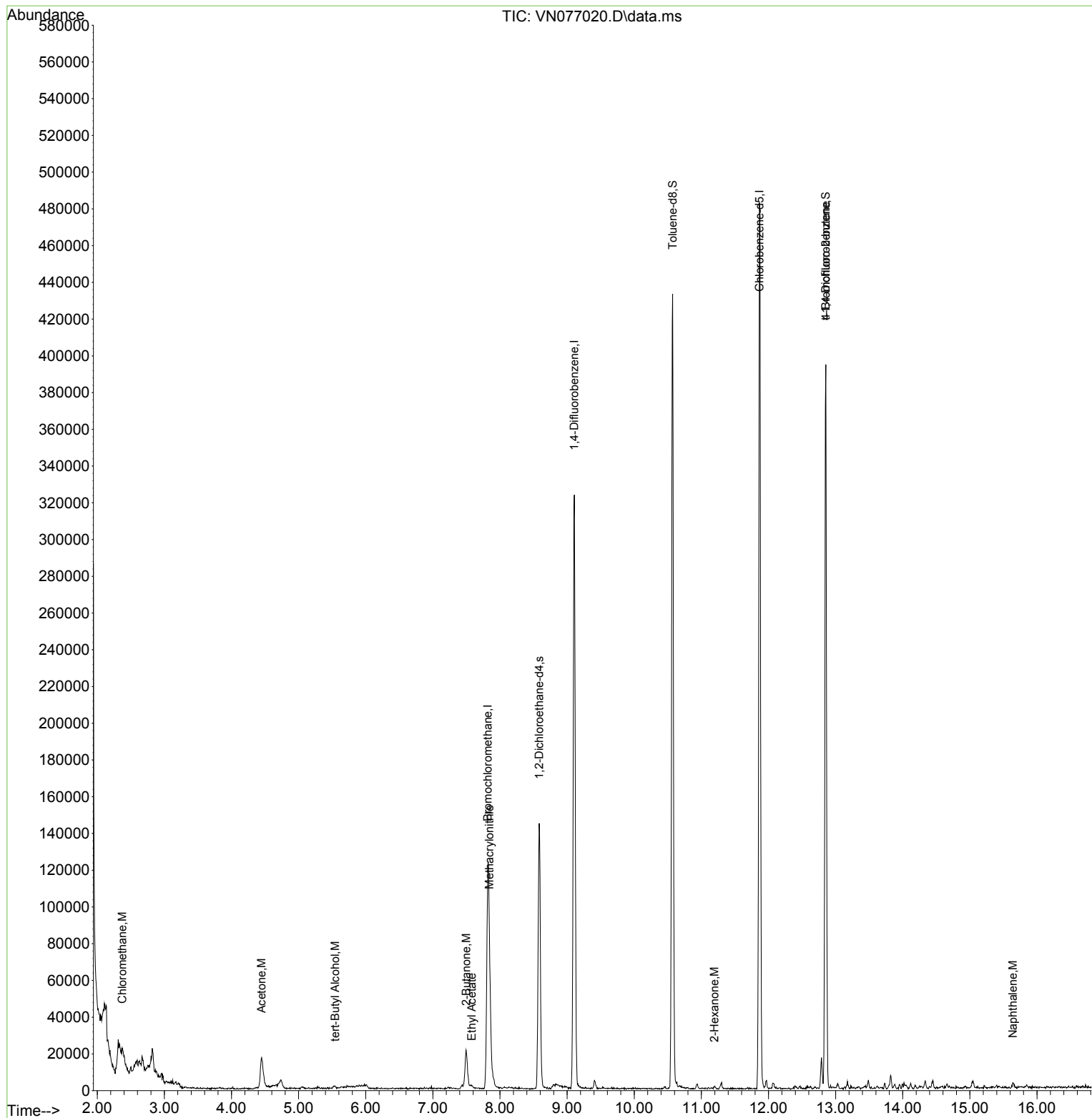
Internal Standards						
1) Bromochloromethane	7.819	128	39836	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	268650	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	281264	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	118446	32.349	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.833%	
60) 4-Bromofluorobenzene	12.854	95	141342	26.552	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 88.500%	
63) Toluene-d8	10.572	98	297305	30.053	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.167%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1435	0.308	ug/l #	85
15) Acetone	4.448	58	10165	15.795	ug/l	83
23) tert-Butyl Alcohol	5.542	59	470	0.684	ug/l #	100
30) 2-Butanone	7.495	43	36039	12.483	ug/l #	94
35) Methacrylonitrile	7.842	41	8949	2.755	ug/l #	45
43) Ethyl Acetate	7.578	43	2278	0.391	ug/l #	78
59) 2-Hexanone	11.195	43	1058	0.262	ug/l #	47
77) t-1,4-Dichloro-2-butene	12.854	75	73970	43.270	ug/l #	10
91) Naphthalene	15.642	128	3172	0.222	ug/l #	90

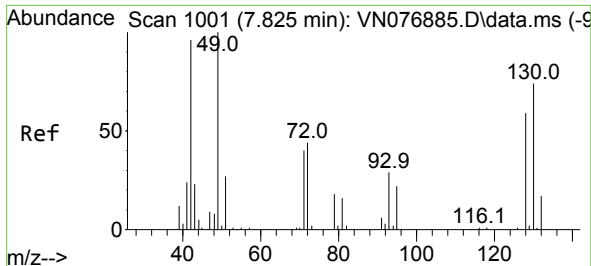
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SAMPLE-1

Quant Time: Mar 17 03:23:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 09 04:16:54 2023
Response via : Initial Calibration

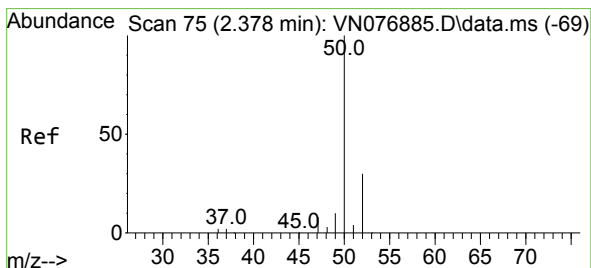
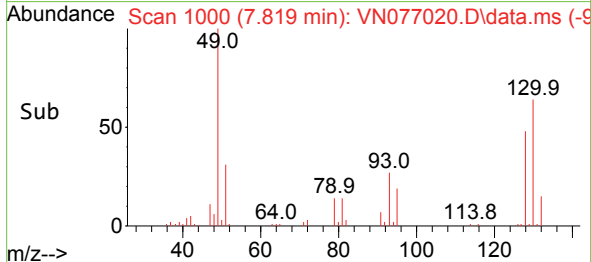
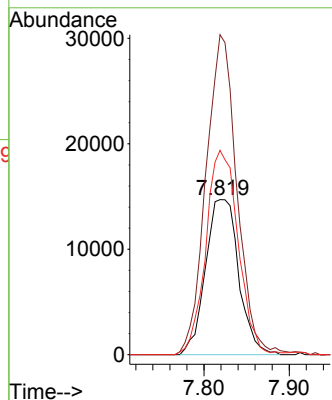
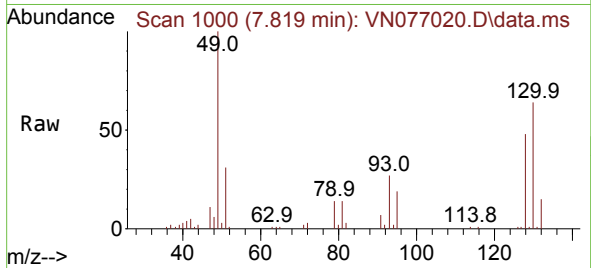




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

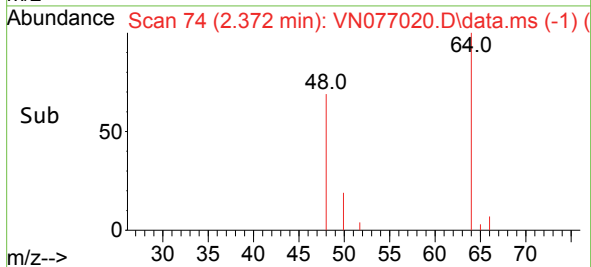
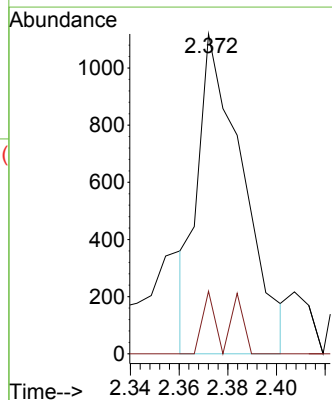
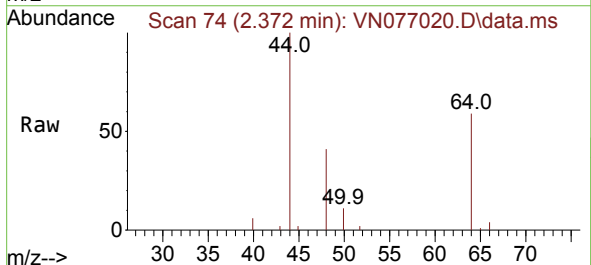
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-1

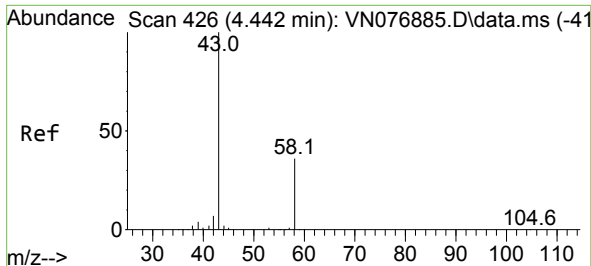
Tgt Ion:128 Resp: 39836
Ion Ratio Lower Upper
128 100
49 192.1 0.0 461.8
130 127.9 0.0 295.3



#3
Chloromethane
Concen: 0.308 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

Tgt Ion: 50 Resp: 1435
Ion Ratio Lower Upper
50 100
52 23.2 25.3 37.9#

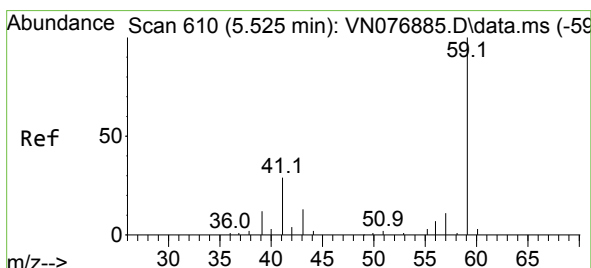
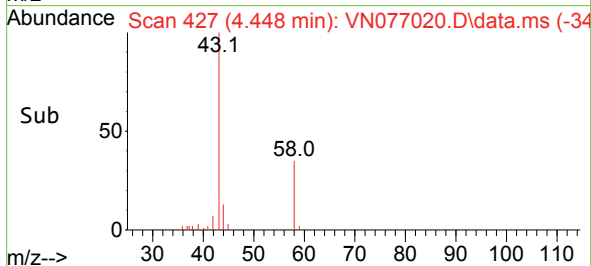
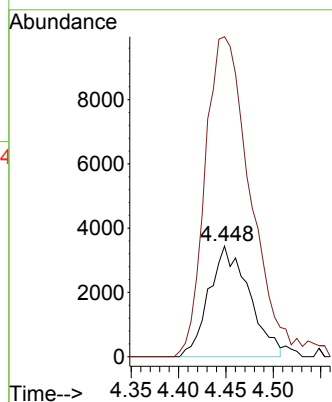
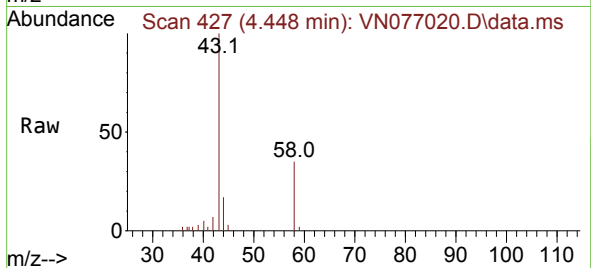




#15
Acetone
Concen: 15.795 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

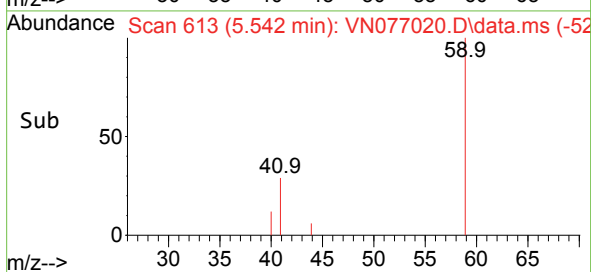
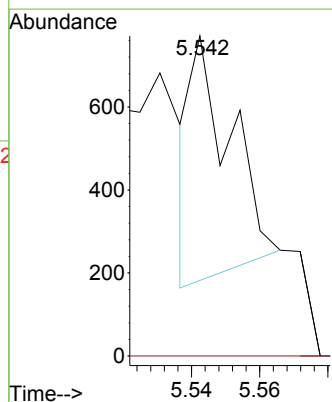
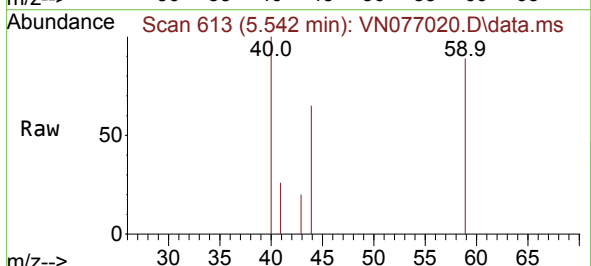
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-1

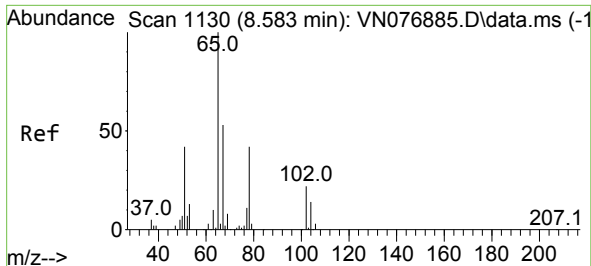
Tgt Ion: 58 Resp: 10165
Ion Ratio Lower Upper
58 100
43 284.5 255.4 383.0



#23
tert-Butyl Alcohol
Concen: 0.684 ug/l
RT: 5.542 min Scan# 613
Delta R.T. 0.011 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 32.349 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077020.D

Acq: 16 Mar 2023 14:31

Instrument :

MSVOA_N

ClientSampleId :

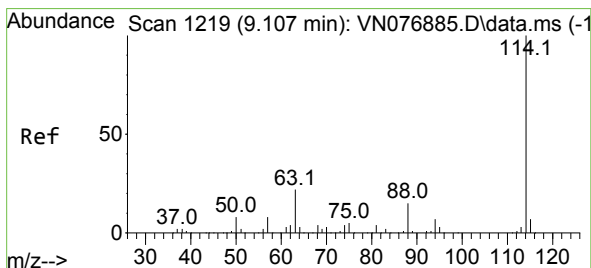
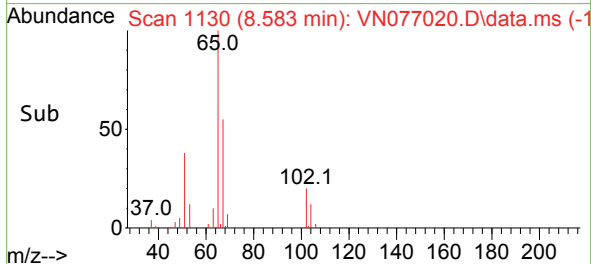
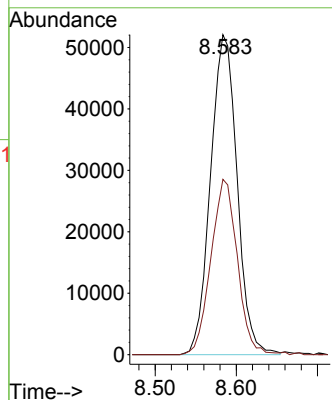
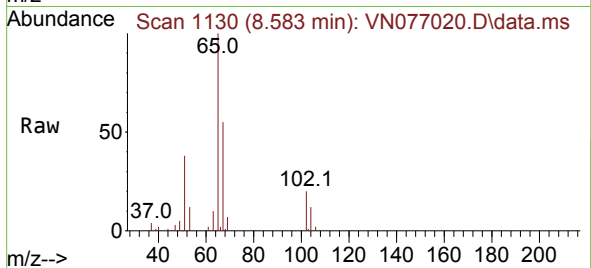
SAMPLE-1

Tgt Ion: 65 Resp: 118446

Ion Ratio Lower Upper

65 100

67 54.3 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: VN077020.D

Acq: 16 Mar 2023 14:31

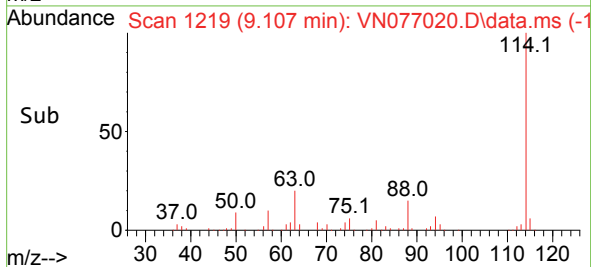
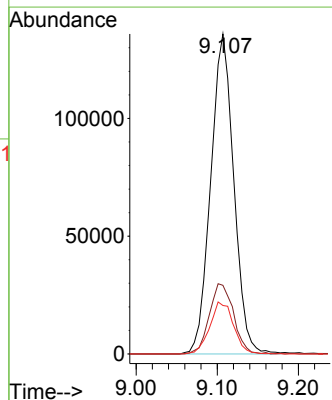
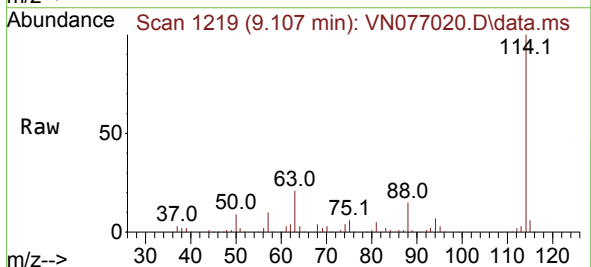
Tgt Ion: 114 Resp: 268650

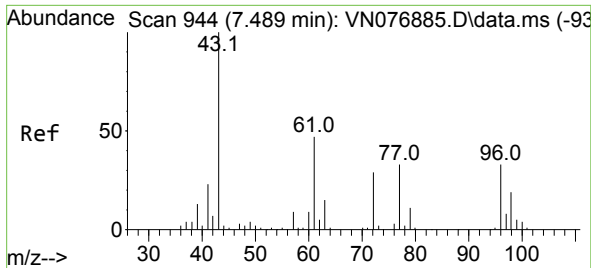
Ion Ratio Lower Upper

114 100

63 22.9 17.0 25.4

88 16.7 11.6 17.4

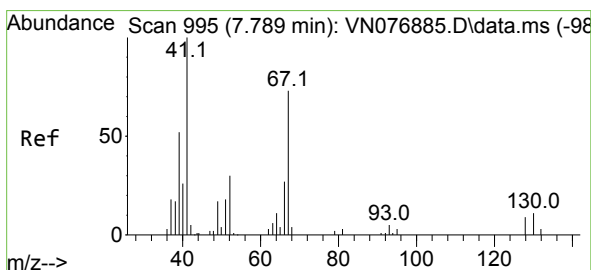
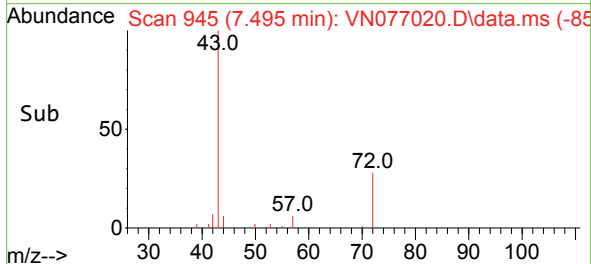
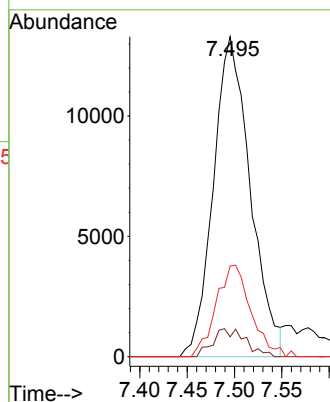
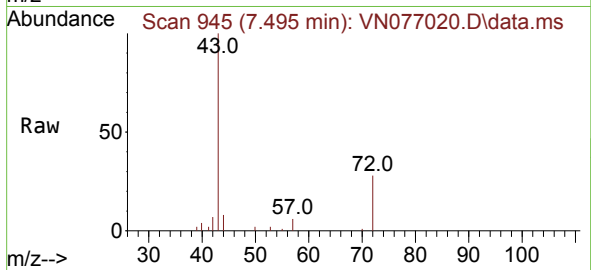




#30
2-Butanone
Concen: 12.483 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

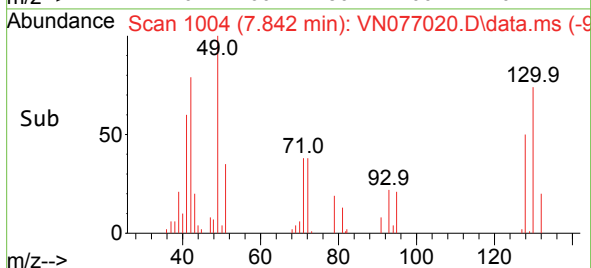
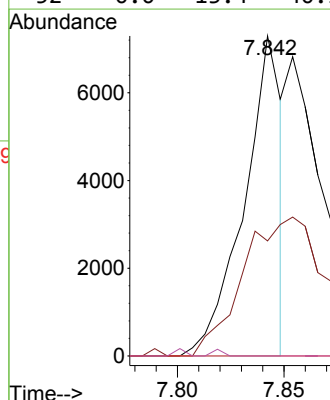
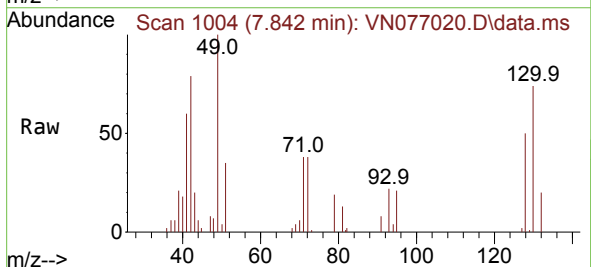
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-1

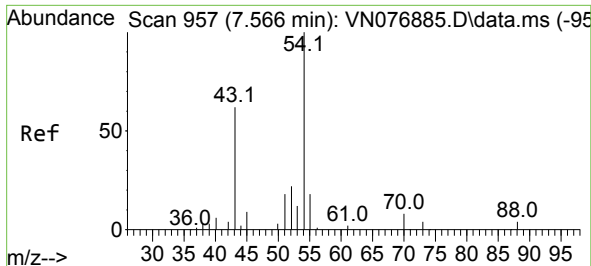
Tgt Ion: 43 Resp: 36039
Ion Ratio Lower Upper
43 100
57 1.9 6.1 9.1#
72 26.5 20.2 30.4



#35
Methacrylonitrile
Concen: 2.755 ug/l
RT: 7.842 min Scan# 1004
Delta R.T. 0.058 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

Tgt Ion: 41 Resp: 8949
Ion Ratio Lower Upper
41 100
39 36.0 26.6 79.7
67 0.0 32.3 96.9#
52 0.0 13.4 40.1#

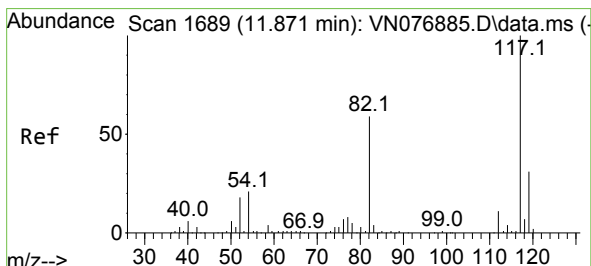
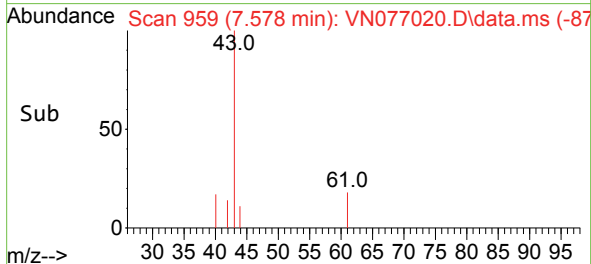
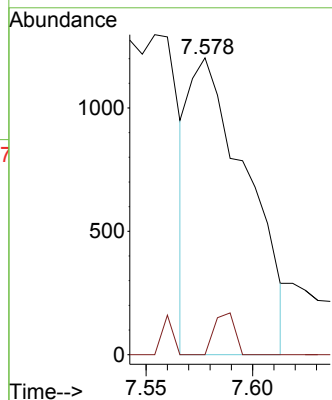
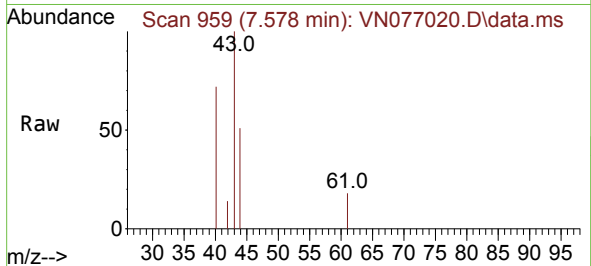




#43
Ethyl Acetate
Concen: 0.391 ug/l
RT: 7.578 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

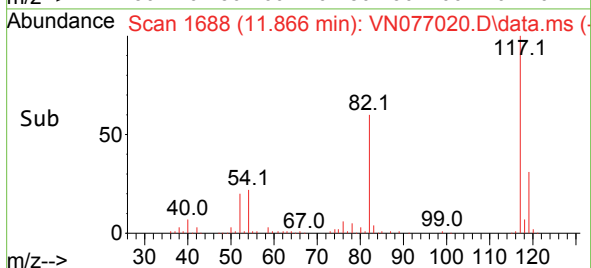
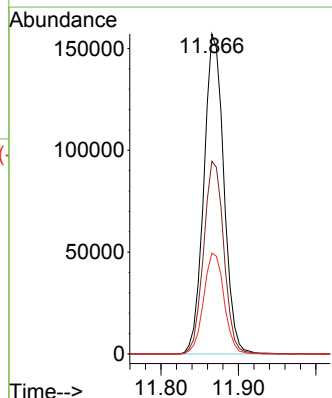
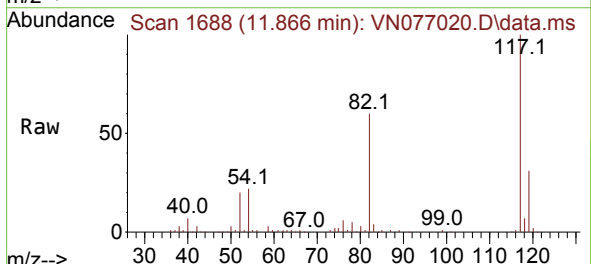
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-1

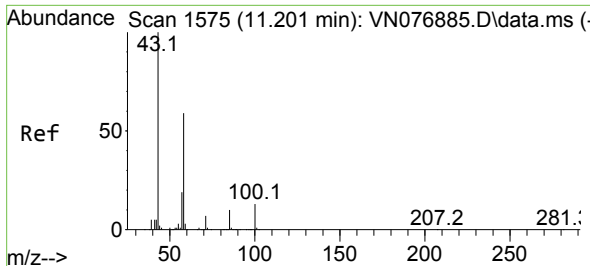
Tgt Ion: 43 Resp: 2278
Ion Ratio Lower Upper
43 100
45 5.0 11.2 16.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

Tgt Ion: 117 Resp: 281264
Ion Ratio Lower Upper
117 100
82 60.9 45.4 68.0
119 32.3 26.8 40.2

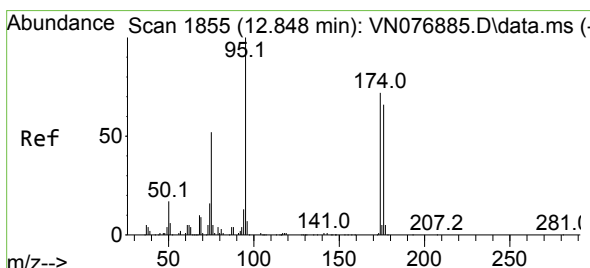
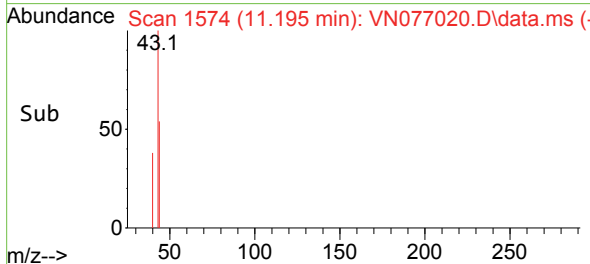
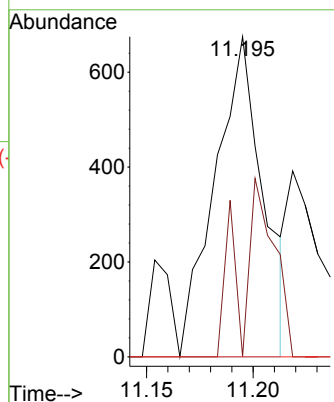
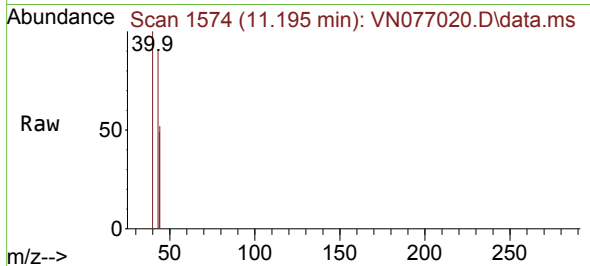




#59
2-Hexanone
Concen: 0.262 ug/l
RT: 11.195 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

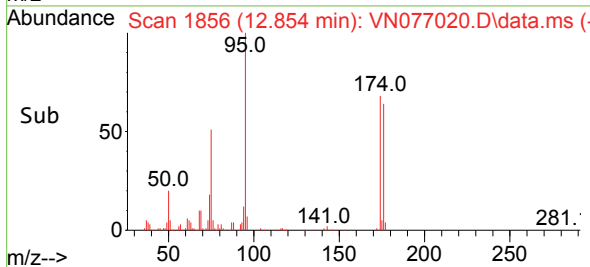
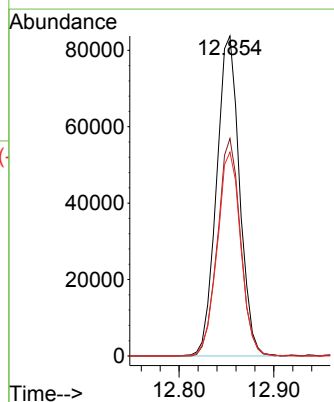
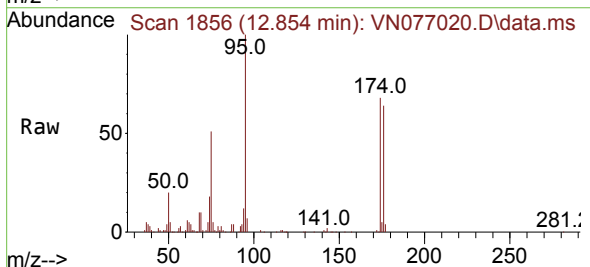
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ClientSampleId :
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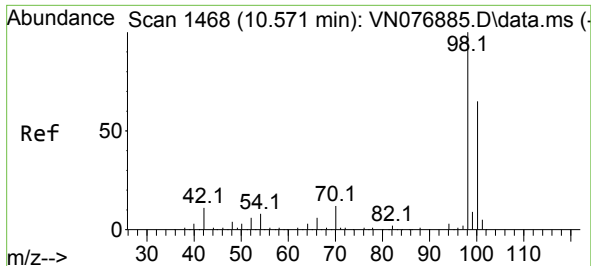
Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
58 11.0 40.6 60.8#
57 0.0 13.1 19.7#



#60
4-Bromofluorobenzene
Concen: 26.552 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

Tgt Ion: 95 Resp: 141342
Ion Ratio Lower Upper
95 100
174 67.8 64.2 96.4
176 65.2 61.4 92.0

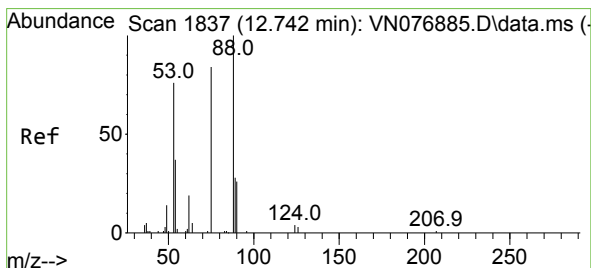
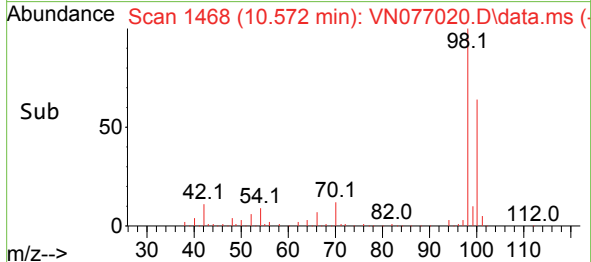
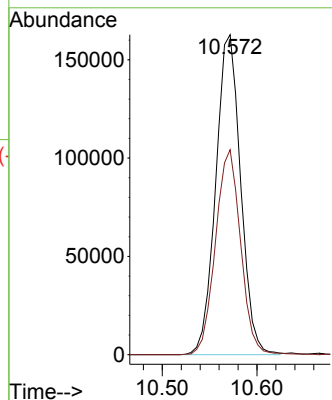
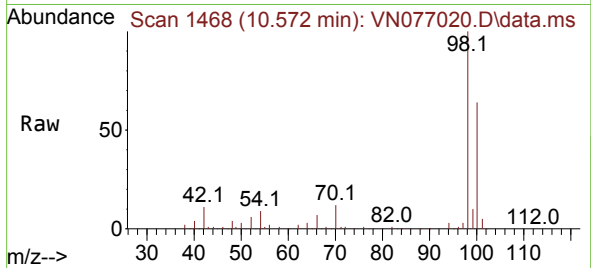




#63
Toluene-d8
Concen: 30.053 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

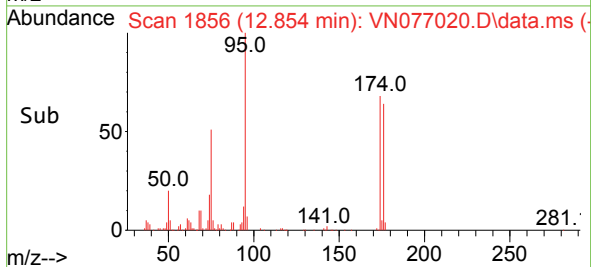
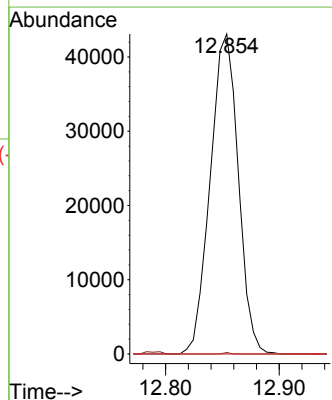
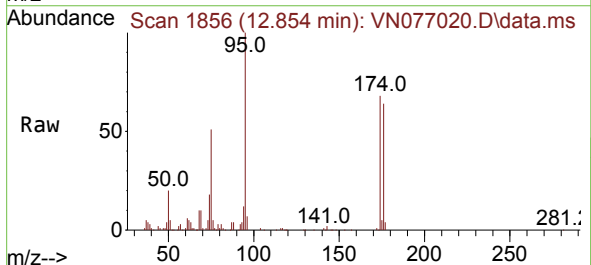
Instrument :
MSVOA_N
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SAMPLE-1

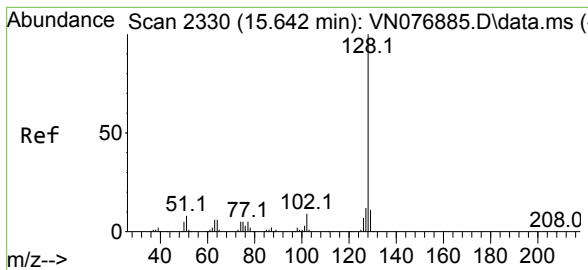
Tgt Ion: 98 Resp: 297305
Ion Ratio Lower Upper
98 100
100 64.7 53.8 80.6



#77
t-1,4-Dichloro-2-butene
Concen: 43.270 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

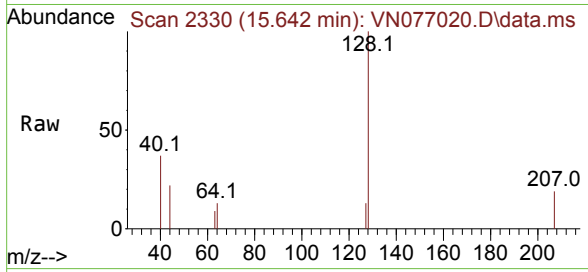
Tgt Ion: 75 Resp: 73970
Ion Ratio Lower Upper
75 100
53 0.4 50.4 151.3#
89 0.0 22.1 66.5#





#91
Naphthalene
Concen: 0.222 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077020.D
Acq: 16 Mar 2023 14:31

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-1



Tgt Ion:	128	Resp:	3172
Ion	Ratio	Lower	Upper
128	100		
127	12.1	11.0	16.6
129	4.3	8.9	13.3

