

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051223\
 Data File : VN077670.D
 Acq On : 12 May 2023 13:35
 Operator : JC\MD
 Sample : 02752-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230510054-02-VOA

Quant Time: May 15 01:37:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 2023
 Response via : Initial Calibration

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

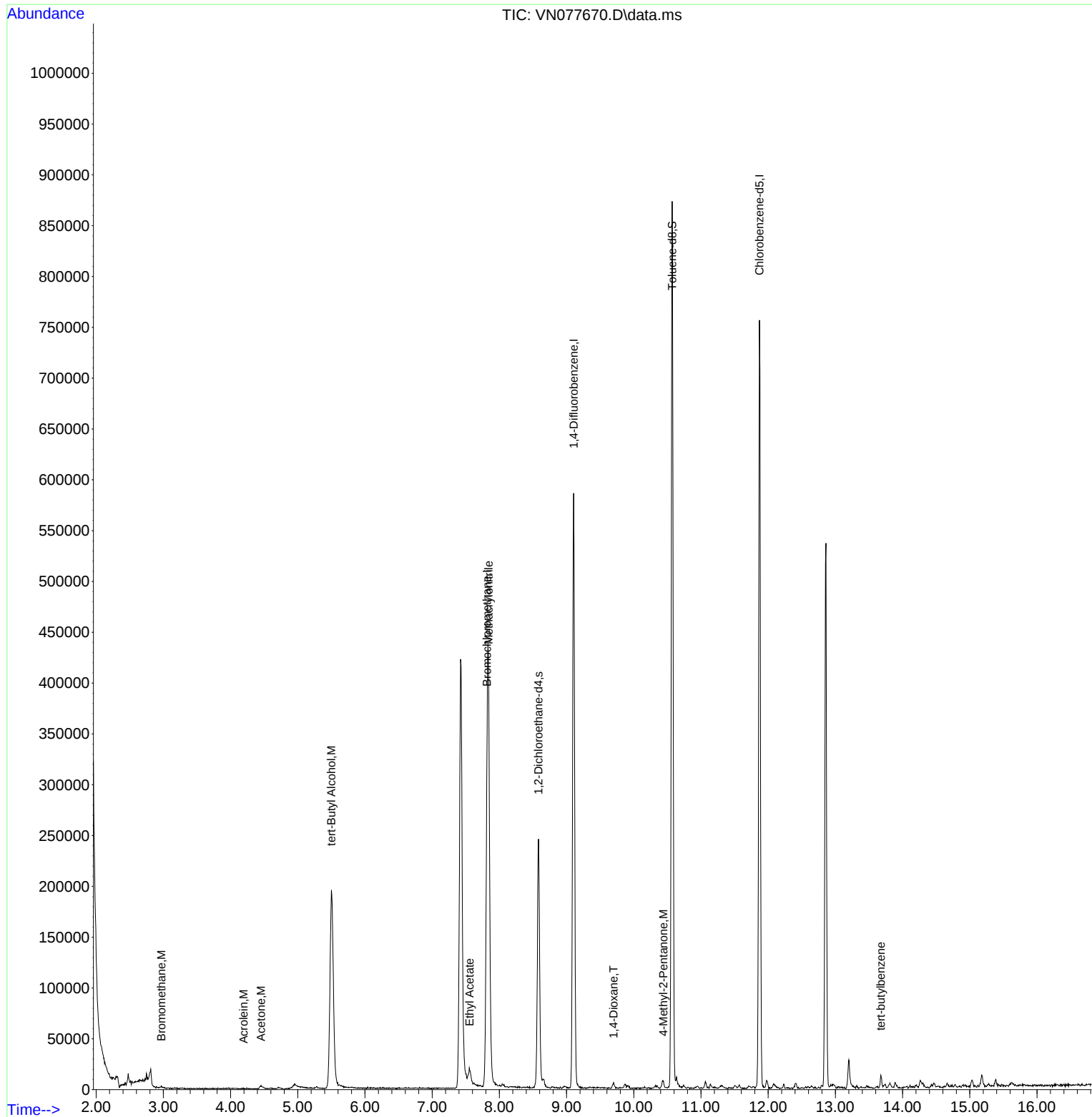
Internal Standards						
1) Bromochloromethane	7.818	128	98216	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	560220	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	471733	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	200646	28.408	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.700%
60) 4-Bromofluorobenzene	13.182	95	625	0.083	ug/l	0.33
Spiked Amount	30.000	Range	63 - 112	Recovery	=	0.267%#
63) Toluene-d8	10.571	98	642008	29.466	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.233%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	1034	0.206	ug/l	99
13) Acrolein	4.195	56	241	0.311	ug/l #	49
15) Acetone	4.453	58	238	0.408	ug/l #	7
23) tert-Butyl Alcohol	5.500	59	364803	483.960	ug/l #	100
35) Methacrylonitrile	7.841	41	127222	52.139	ug/l #	40
43) Ethyl Acetate	7.559	43	2633	0.570	ug/l #	1
45) 1,4-Dioxane	9.700	88	3881	36.909	ug/l #	75
58) 4-Methyl-2-Pentanone	10.441	43	4280	0.985	ug/l #	50
79) tert-butylbenzene	13.676	119	6527	0.316	ug/l	61

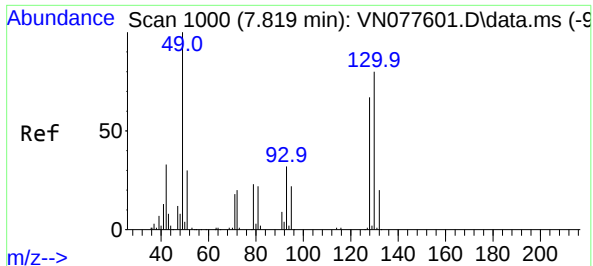
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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230510054-02-VOA

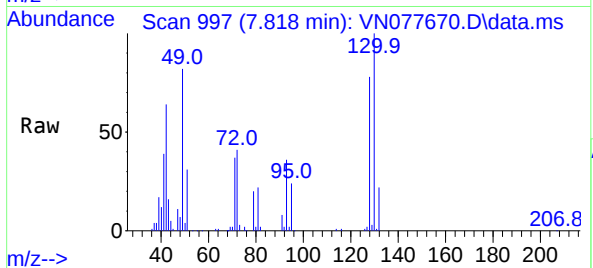
Quant Time: May 15 01:37:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 09 05:58:09 2023
Response via : Initial Calibration



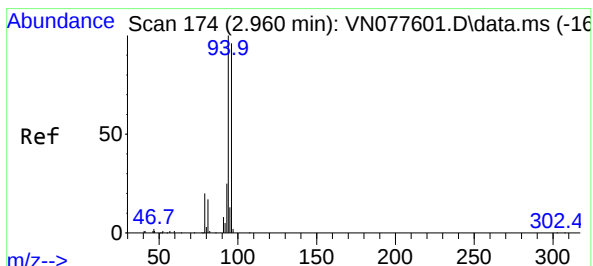
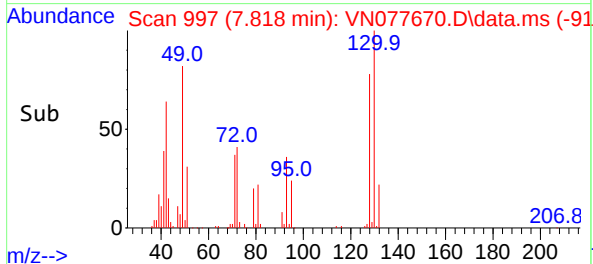
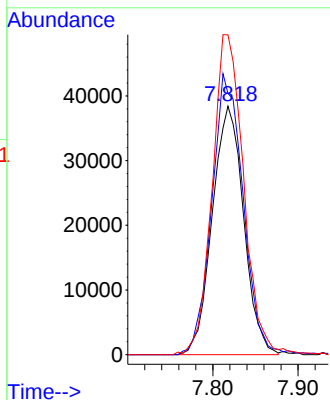


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.001 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :
230510054-02-VOA

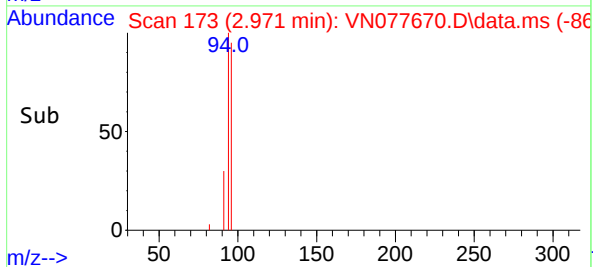
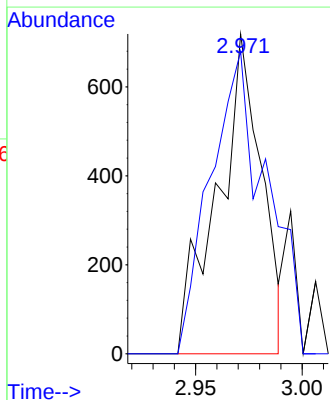
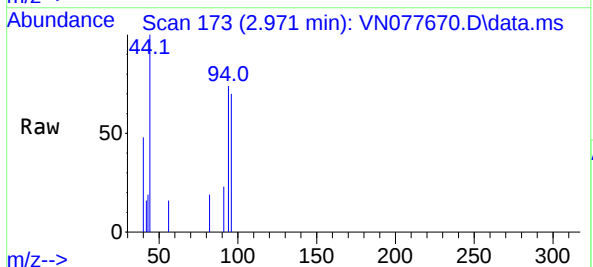


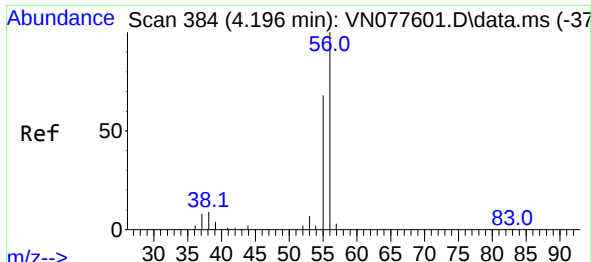
Tgt Ion:128 Resp: 98216
Ion Ratio Lower Upper
128 100
49 113.0 0.0 369.8
130 127.8 0.0 317.8



#5
Bromomethane
Concen: 0.206 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.011 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Tgt Ion: 94 Resp: 1034
Ion Ratio Lower Upper
94 100
96 94.6 76.7 115.1

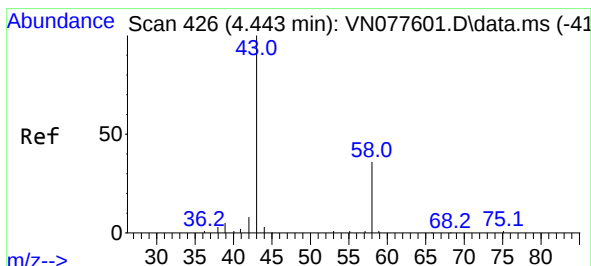
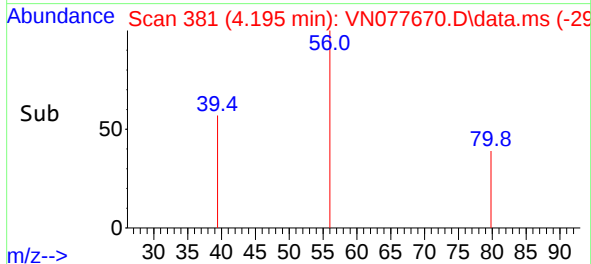
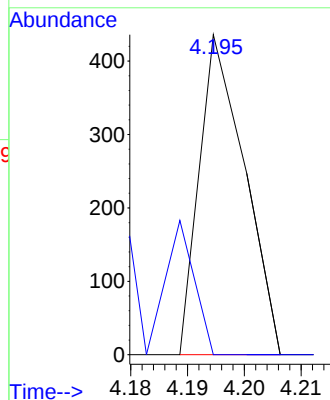
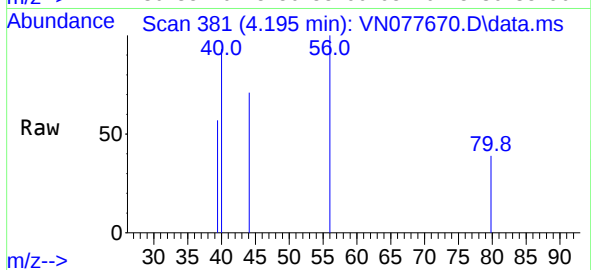




#13
Acrolein
Concen: 0.311 ug/l
RT: 4.195 min Scan# 381
Delta R.T. -0.001 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

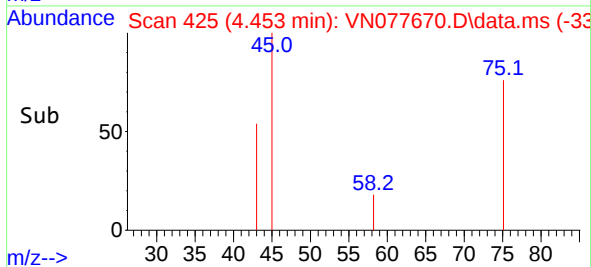
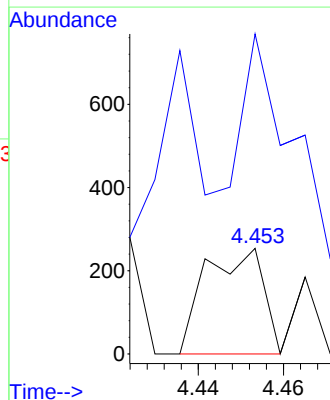
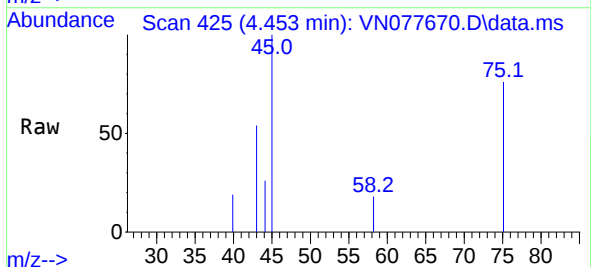
Instrument :
MSVOA_N
ClientSampleId :
230510054-02-VOA

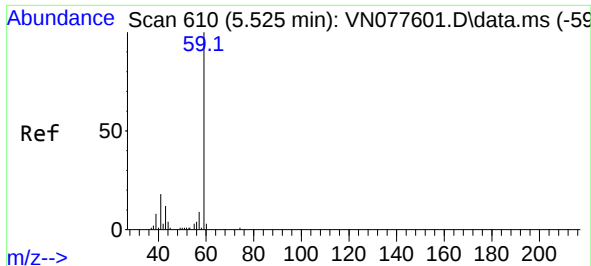
Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 27.0 54.8 82.2#



#15
Acetone
Concen: 0.408 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.010 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Tgt Ion: 58 Resp: 238
Ion Ratio Lower Upper
58 100
43 105.5 223.2 334.8#

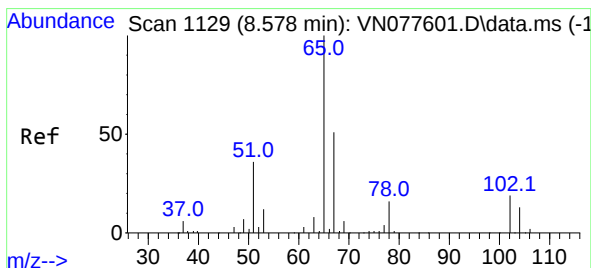
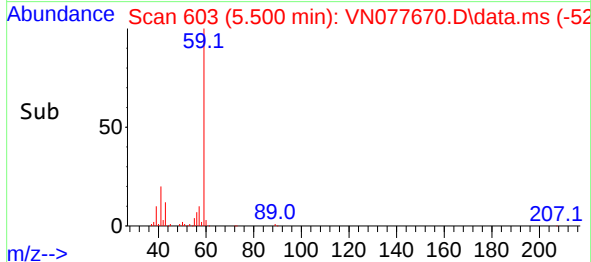
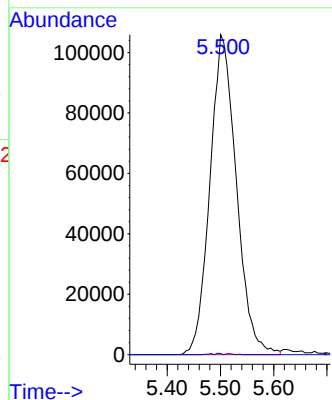
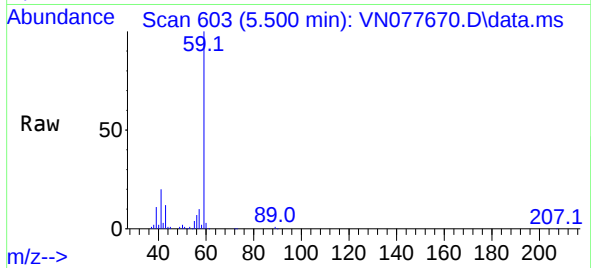




#23
tert-Butyl Alcohol
Concen: 483.960 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.025 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

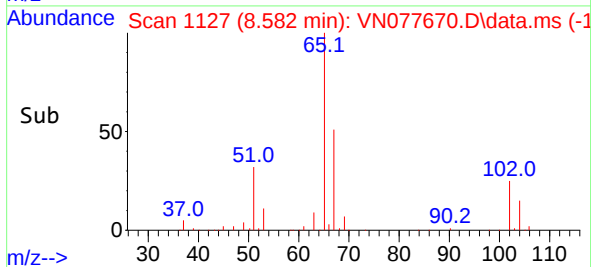
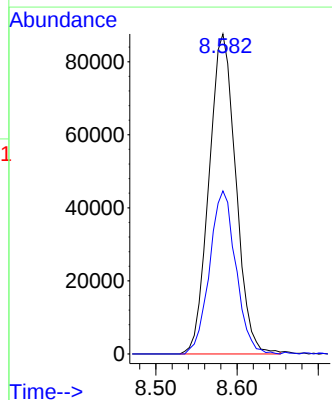
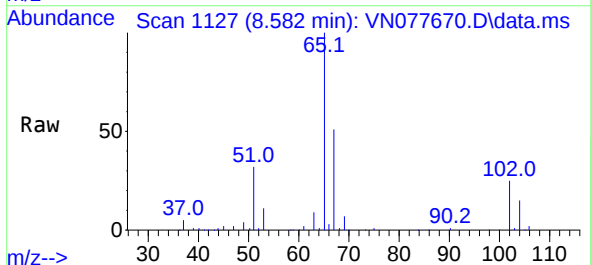
Instrument :
MSVOA_N
ClientSampleId :
230510054-02-VOA

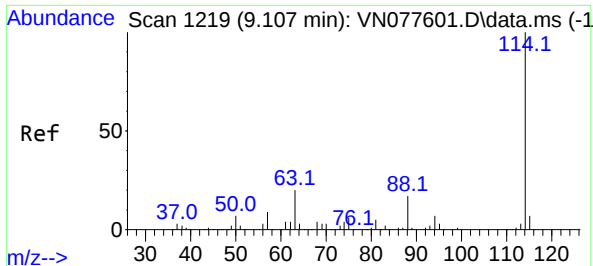
Tgt Ion: 59 Resp: 364803
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 28.408 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.004 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Tgt Ion: 65 Resp: 200646
Ion Ratio Lower Upper
65 100
67 50.0 41.3 61.9

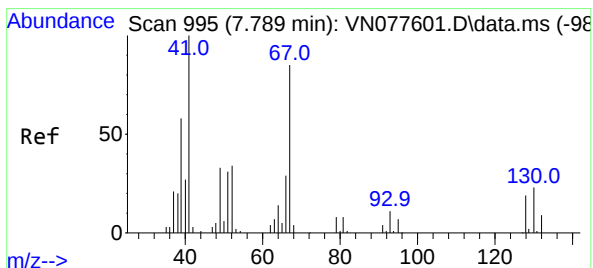
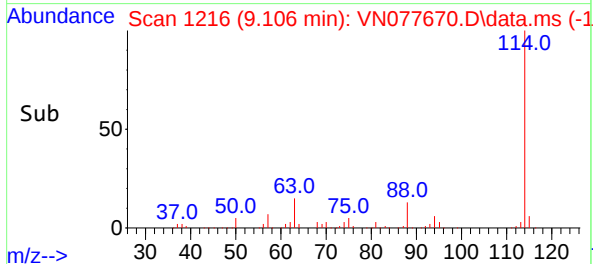
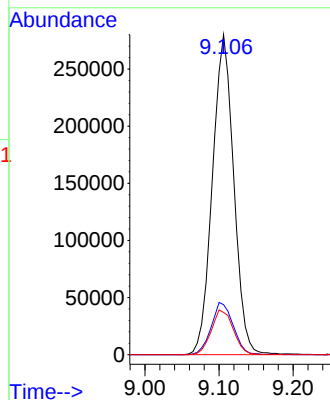
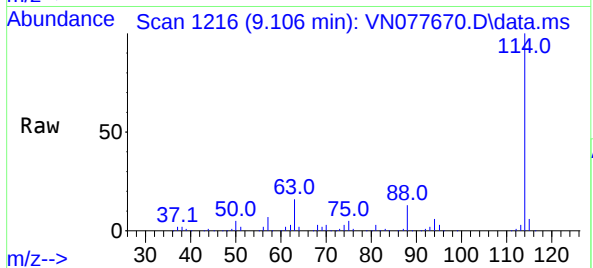




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

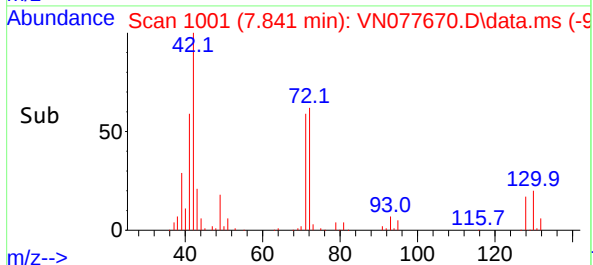
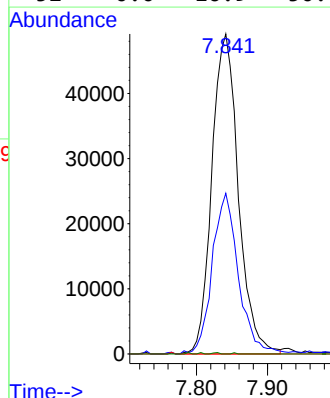
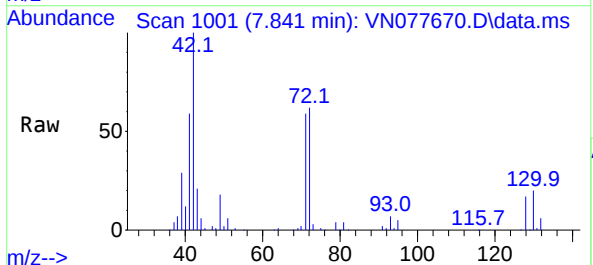
Instrument :
MSVOA_N
ClientSampleId :
230510054-02-VOA

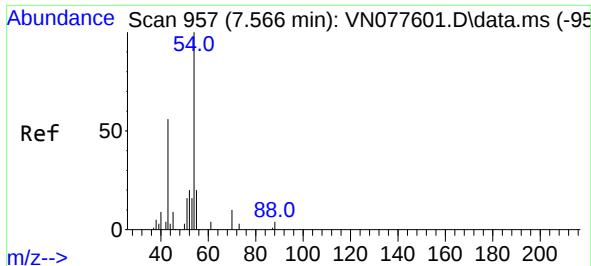
Tgt Ion:114 Resp: 560220
Ion Ratio Lower Upper
114 100
63 16.8 15.8 23.6
88 14.4 13.0 19.4



#35
Methacrylonitrile
Concen: 52.139 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.052 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Tgt Ion: 41 Resp: 127222
Ion Ratio Lower Upper
41 100
39 50.2 28.7 86.3
67 0.0 42.7 128.1#
52 0.0 16.9 50.7#

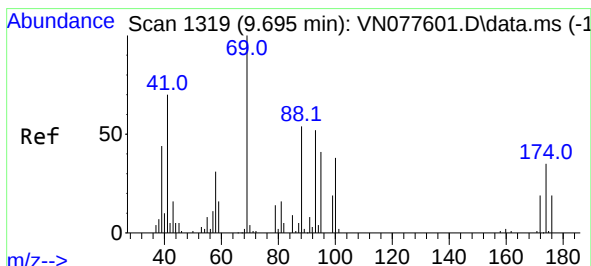
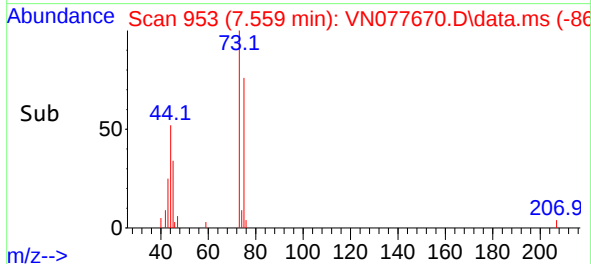
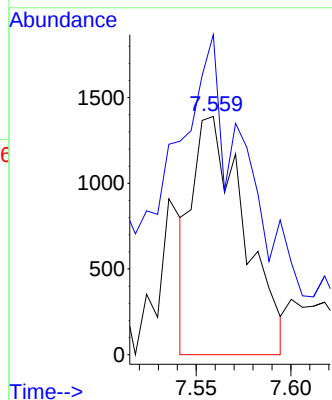
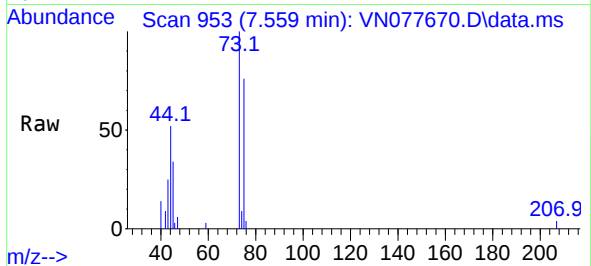




#43
Ethyl Acetate
Concen: 0.570 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.007 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

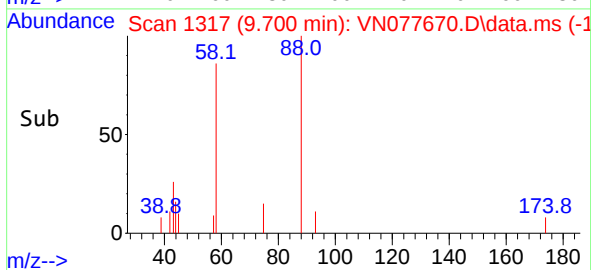
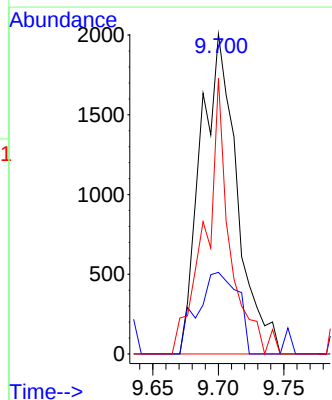
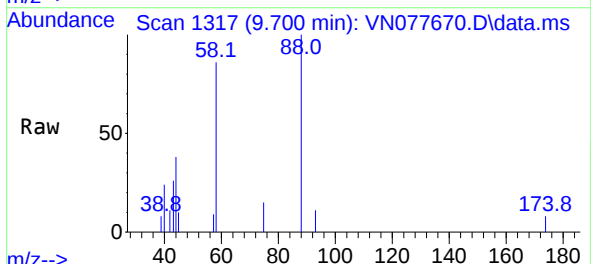
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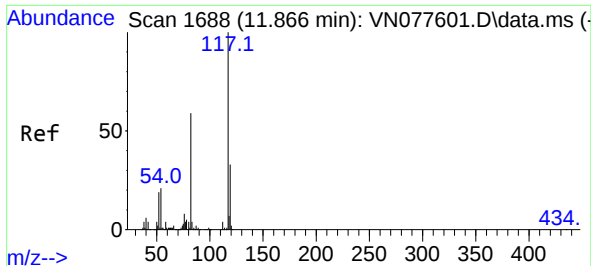
Tgt Ion: 43 Resp: 2633
Ion Ratio Lower Upper
43 100
45 77.2 8.2 12.4#



#45
1,4-Dioxane
Concen: 36.909 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.005 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Tgt Ion: 88 Resp: 3881
Ion Ratio Lower Upper
88 100
43 23.3 18.2 27.2
58 34.2 47.5 71.3#

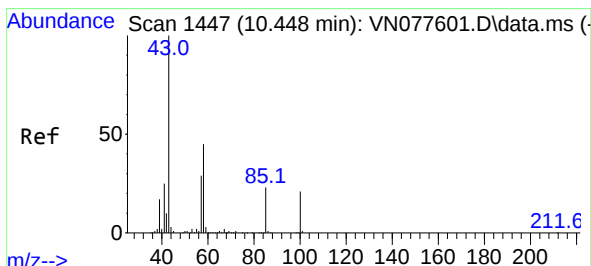
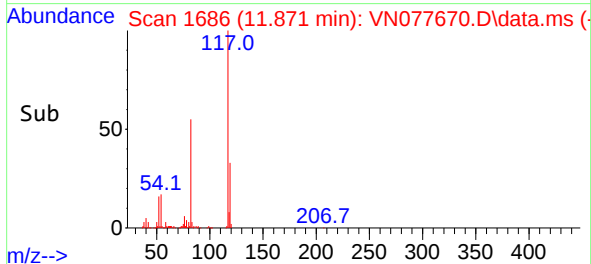
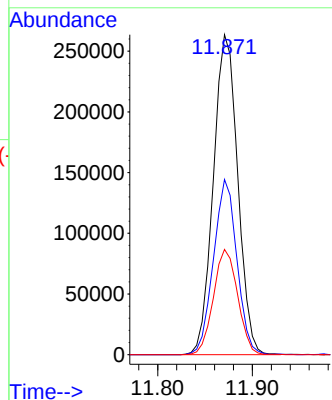
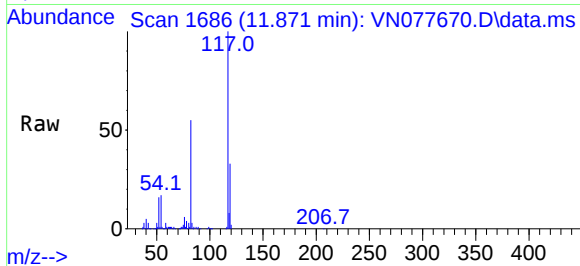




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1186
Delta R.T. 0.005 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

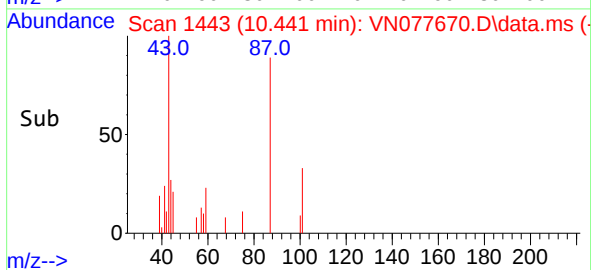
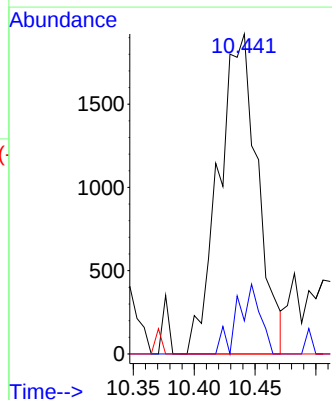
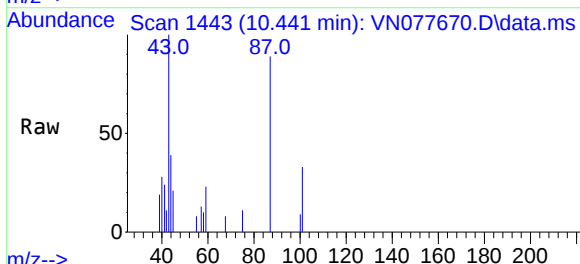
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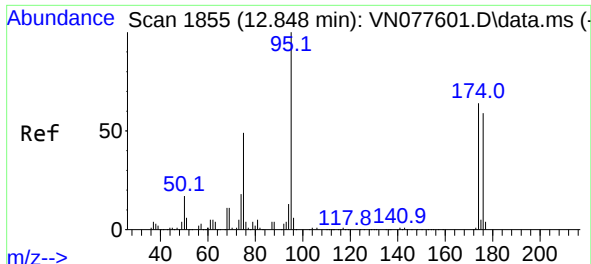
Tgt Ion:117 Resp: 471733
Ion Ratio Lower Upper
117 100
82 52.5 47.4 71.2
119 32.6 26.6 39.8



#58
4-Methyl-2-Pentanone
Concen: 0.985 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.007 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Tgt Ion: 43 Resp: 4280
Ion Ratio Lower Upper
43 100
58 11.3 35.4 53.2#
85 0.0 18.2 27.2#

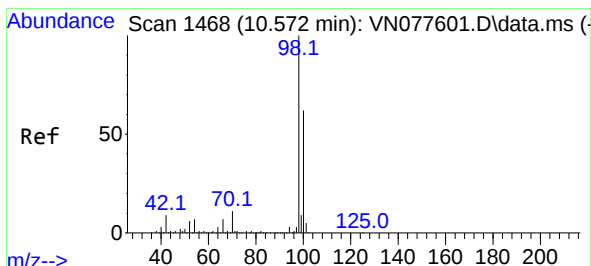
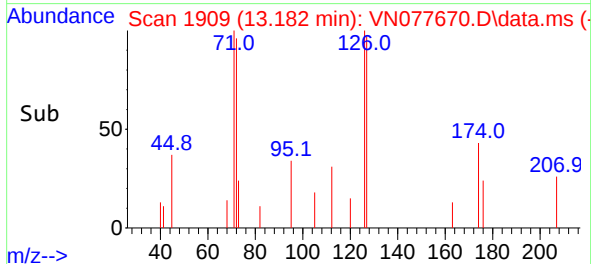
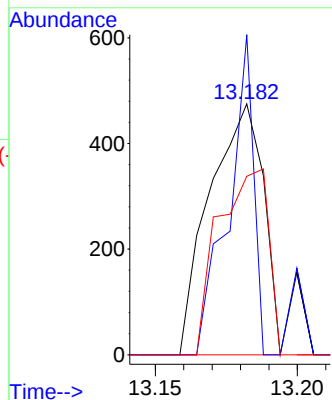
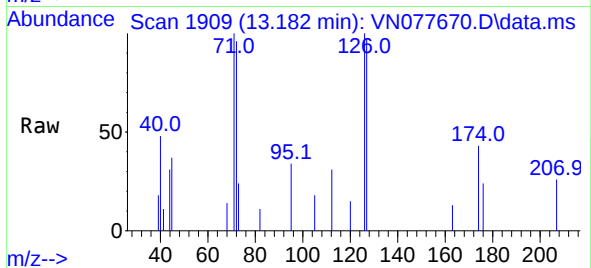




#60
4-Bromofluorobenzene
Concen: 0.083 ug/l
RT: 13.182 min Scan# 14
Delta R.T. 0.334 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

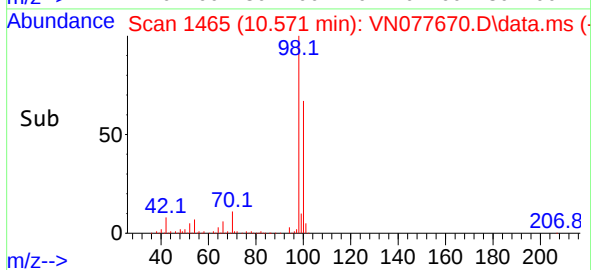
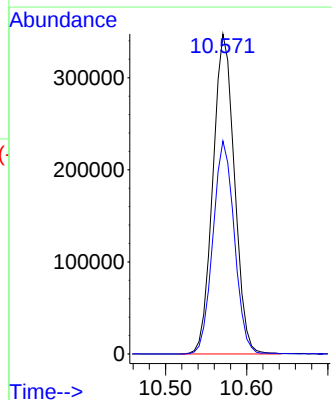
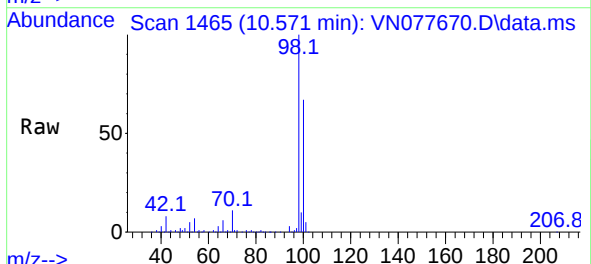
Instrument :
MSVOA_N
ClientSampleId :
230510054-02-VOA

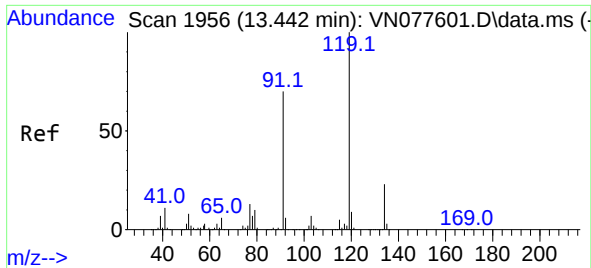
Tgt Ion:	95	Resp:	625
Ion	Ratio	Lower	Upper
95	100		
174	59.4	53.4	80.0
176	68.8	50.0	75.0



#63
Toluene-d8
Concen: 29.466 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN077670.D
Acq: 12 May 2023 13:35

Tgt Ion:	98	Resp:	642008
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.1	78.1





#79

tert-butylbenzene

Concen: 0.316 ug/l

RT: 13.676 min Scan# 1993

Delta R.T. 0.234 min

Lab File: VN077670.D

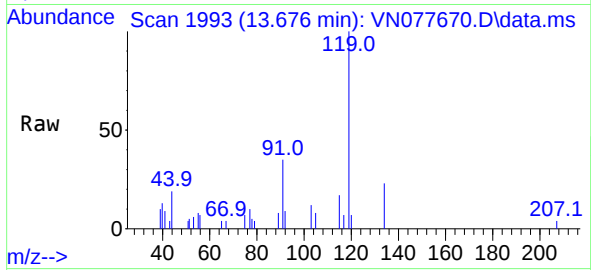
Acq: 12 May 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :

230510054-02-VOA



Tgt Ion:119 Resp: 6527

Ion Ratio Lower Upper

119 100

91 29.3 0.0 141.6

134 25.3 0.0 46.6

