

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080994.D
 Acq On : 09 Feb 2024 17:10
 Operator : JC\MD
 Sample : P1327-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 10 02:04:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:52:21 2024
 Response via : Initial Calibration

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

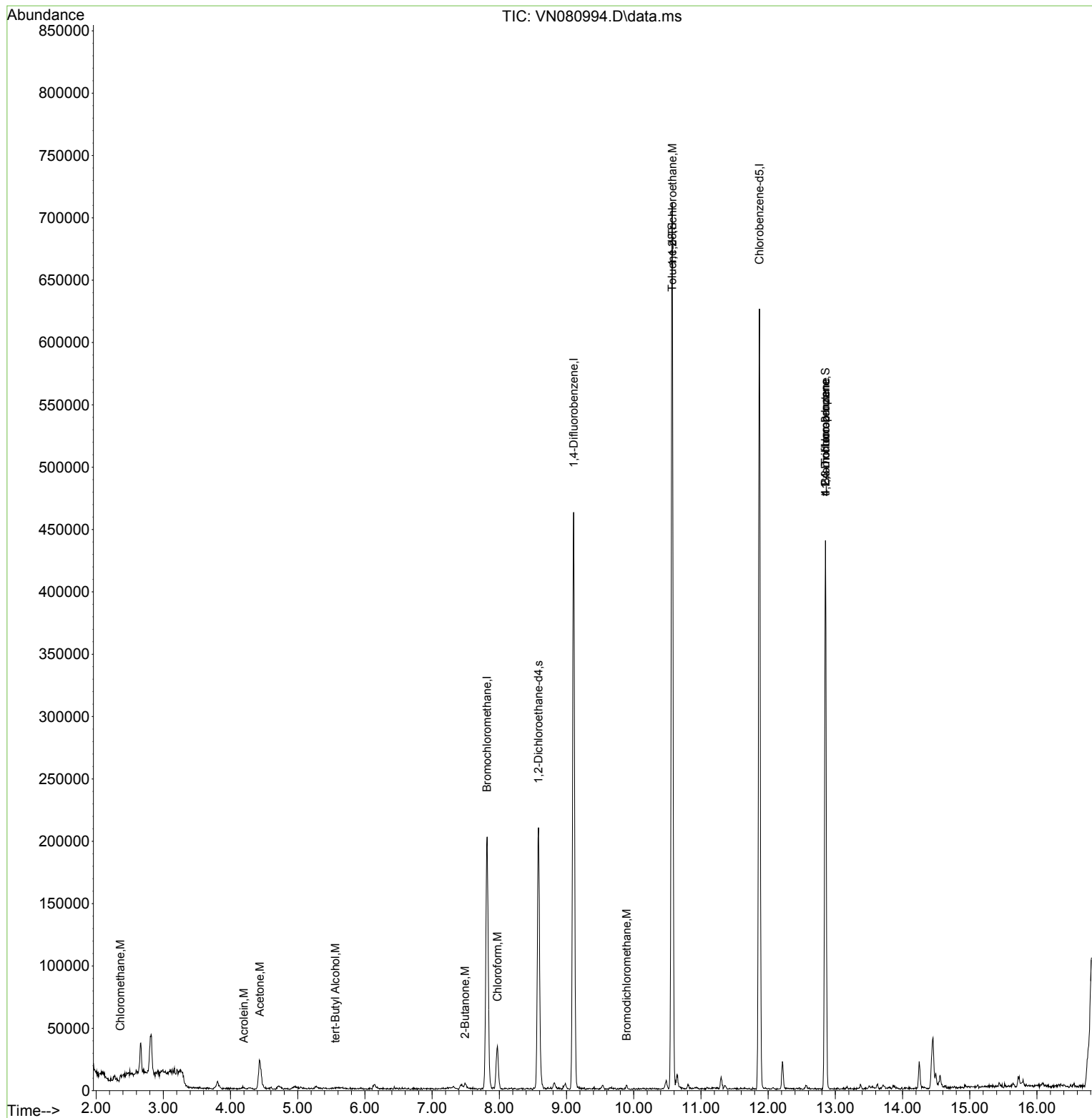
Internal Standards						
1) Bromochloromethane	7.818	128	72159	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	400840	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	362708	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	166272	30.666	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.233%
60) 4-Bromofluorobenzene	12.853	95	150900	27.214	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.700%
63) Toluene-d8	10.571	98	484108	29.742	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.133%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2355	0.478	ug/l #	80
13) Acrolein	4.201	56	415	0.510	ug/l	95
15) Acetone	4.436	58	9793	22.974	ug/l	100
23) tert-Butyl Alcohol	5.559	59	151	0.224	ug/l #	100
25) Chloroform	7.971	83	32278	3.652	ug/l	96
30) 2-Butanone	7.489	43	7311	3.337	ug/l #	75
41) Bromodichloromethane	9.894	83	2143	0.333	ug/l #	87
50) 1,1,2-Trichloroethane	10.577	97	16154	3.546	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	82668	17.479	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	82668	46.189	ug/l #	12

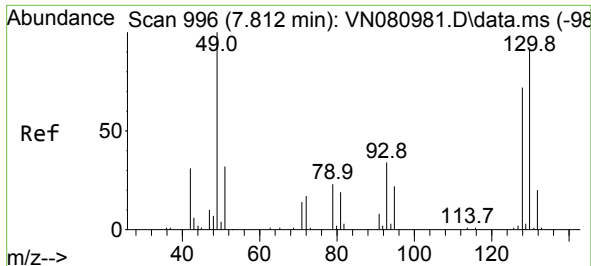
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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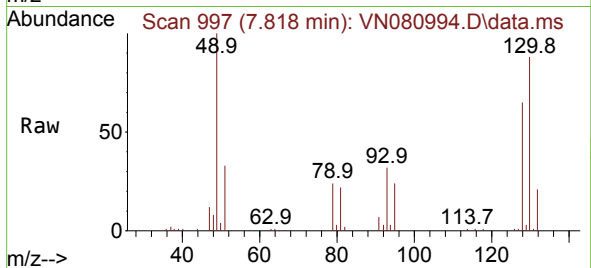
Quant Time: Feb 10 02:04:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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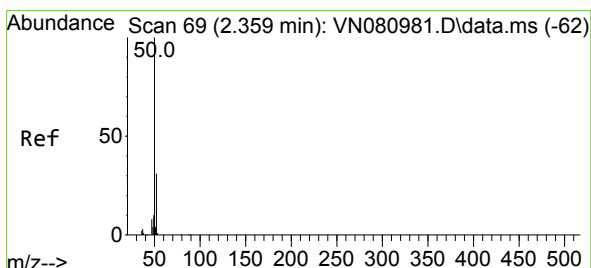
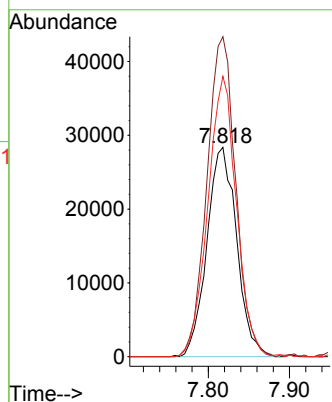
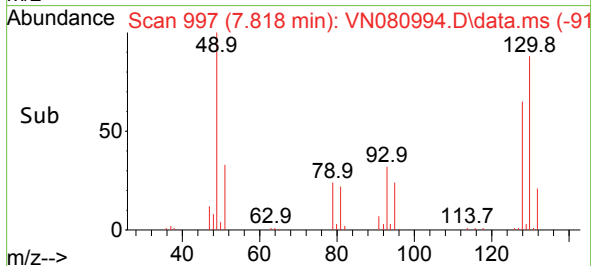


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :

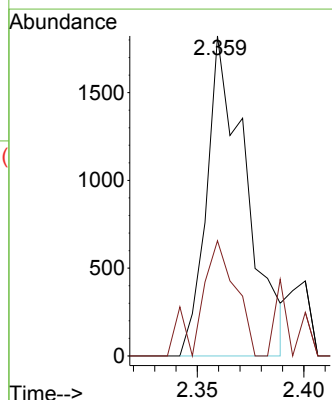
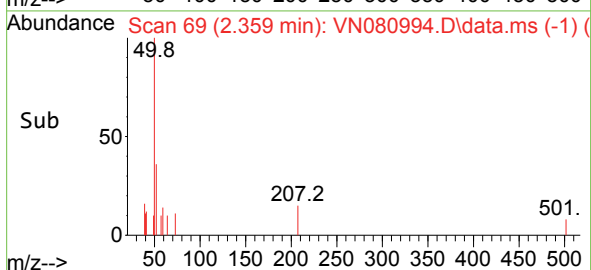
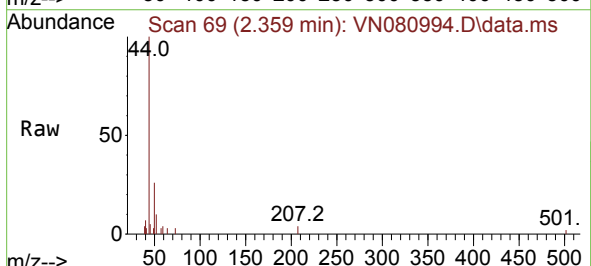


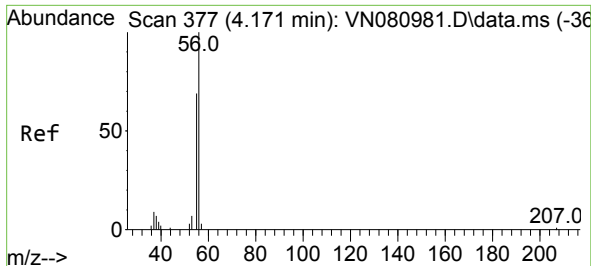
Tgt Ion:128 Resp: 72159
Ion Ratio Lower Upper
128 100
49 148.1 0.0 403.7
130 129.1 0.0 323.3



#3
Chloromethane
Concen: 0.478 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

Tgt Ion: 50 Resp: 2355
Ion Ratio Lower Upper
50 100
52 20.6 25.4 38.0#





#13

Acrolein

Concen: 0.510 ug/l

RT: 4.201 min Scan# 382

Delta R.T. 0.029 min

Lab File: VN080994.D

Acq: 09 Feb 2024 17:10

Instrument :

MSVOA_N

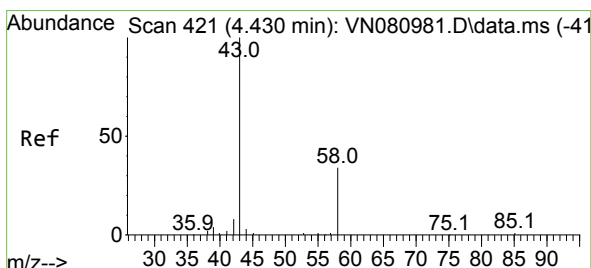
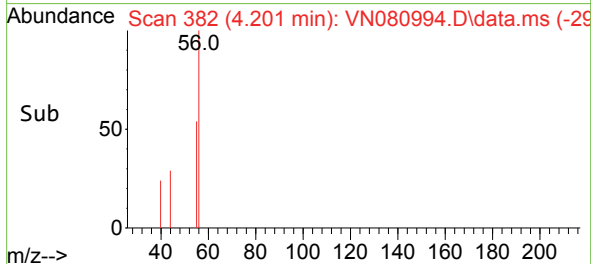
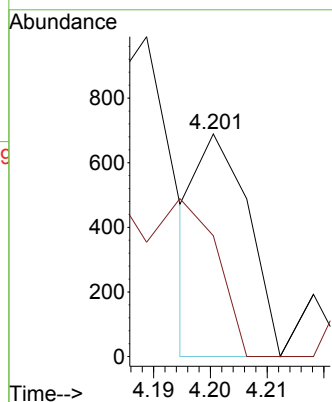
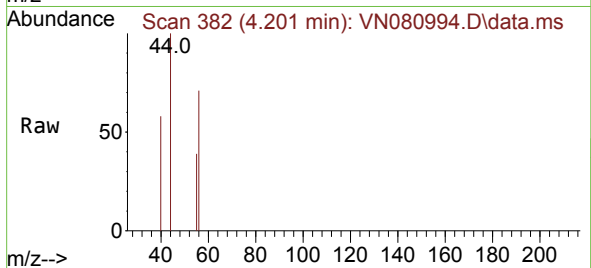
ClientSampleId :

Tgt Ion: 56 Resp: 415

Ion Ratio Lower Upper

56 100

55 73.5 55.5 83.3



#15

Acetone

Concen: 22.974 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN080994.D

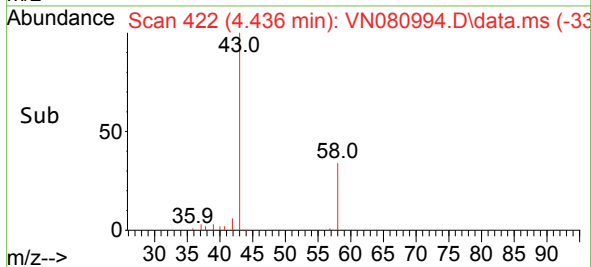
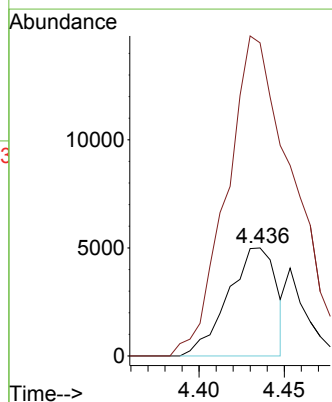
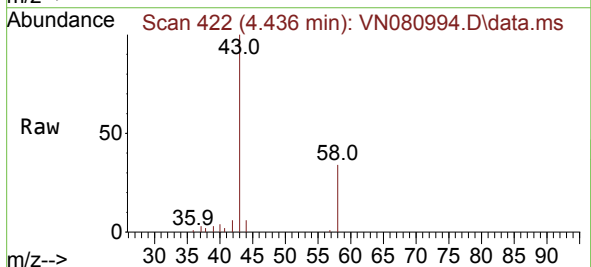
Acq: 09 Feb 2024 17:10

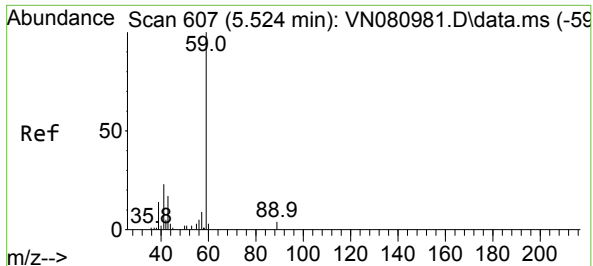
Tgt Ion: 58 Resp: 9793

Ion Ratio Lower Upper

58 100

43 278.5 223.1 334.7

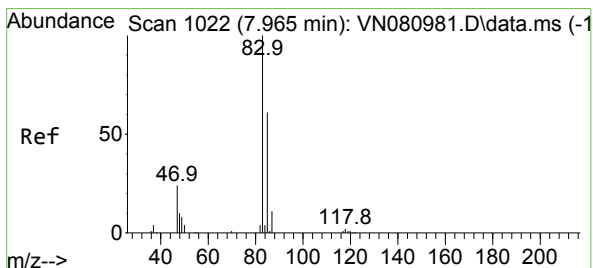
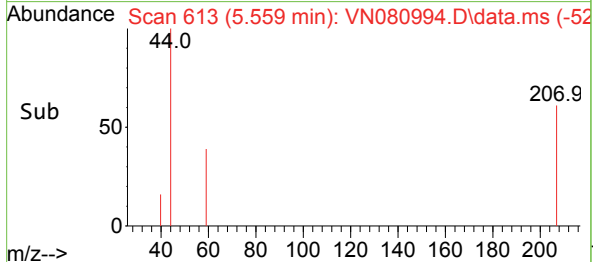
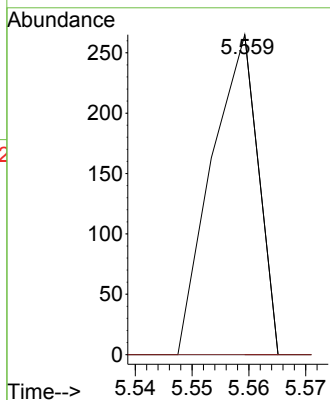
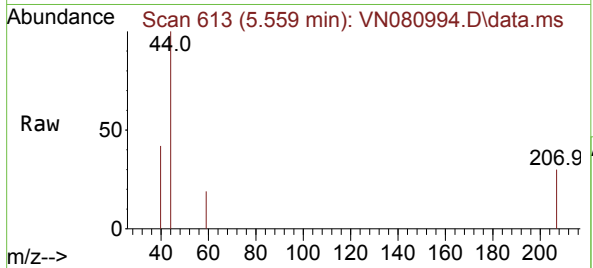




#23
tert-Butyl Alcohol
Concen: 0.224 ug/l
RT: 5.559 min Scan# 613
Delta R.T. 0.035 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

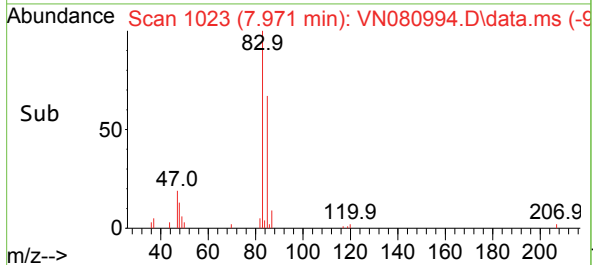
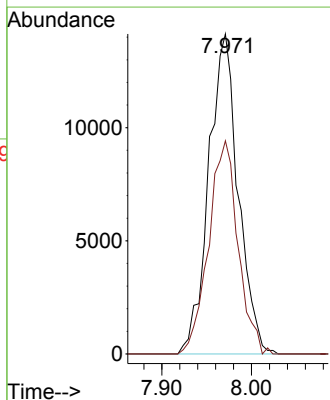
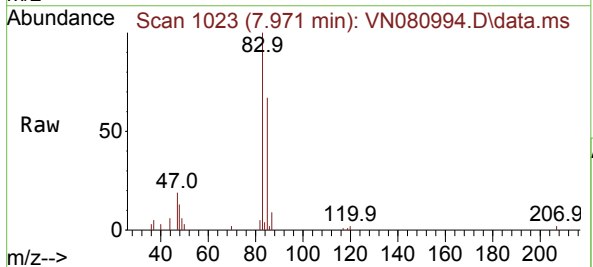
Instrument :
MSVOA_N
ClientSampleId :

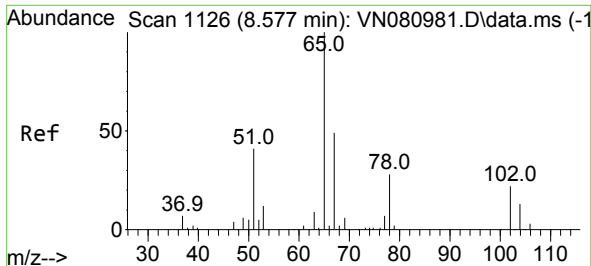
Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 3.652 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

Tgt Ion: 83 Resp: 32278
Ion Ratio Lower Upper
83 100
85 66.6 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 30.666 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080994.D

Acq: 09 Feb 2024 17:10

Instrument :

MSVOA_N

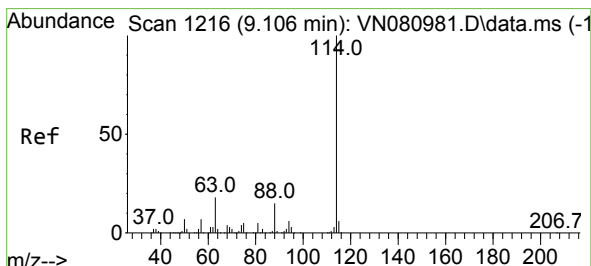
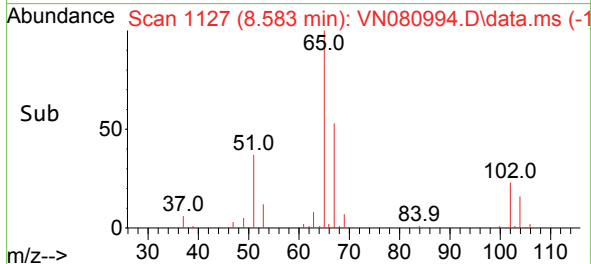
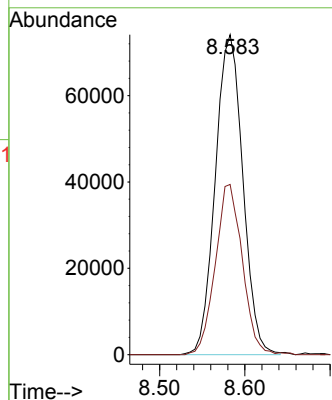
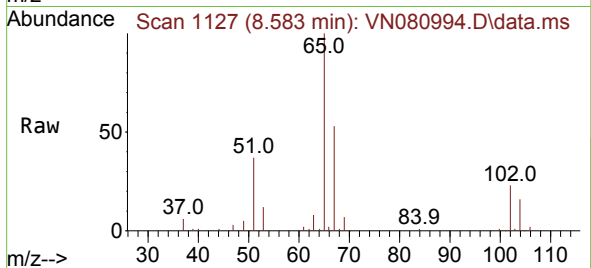
ClientSampleId :

Tgt Ion: 65 Resp: 166272

Ion Ratio Lower Upper

65 100

67 52.1 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080994.D

Acq: 09 Feb 2024 17:10

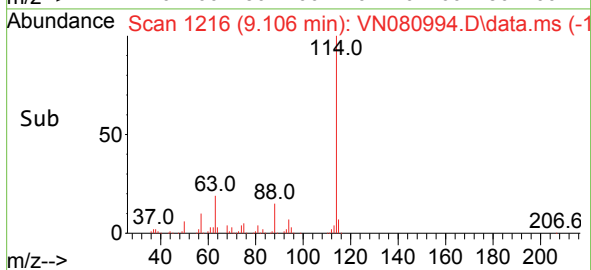
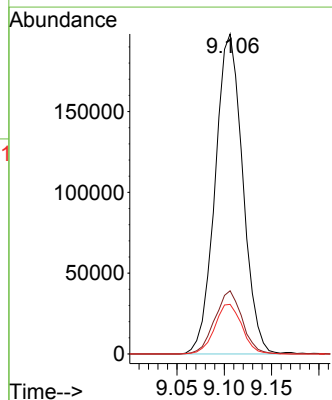
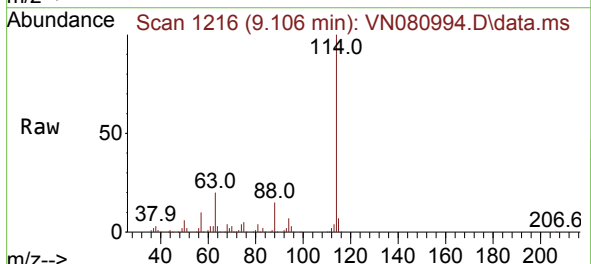
Tgt Ion: 114 Resp: 400840

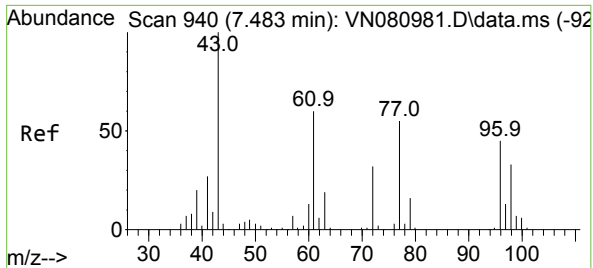
Ion Ratio Lower Upper

114 100

63 19.6 15.9 23.9

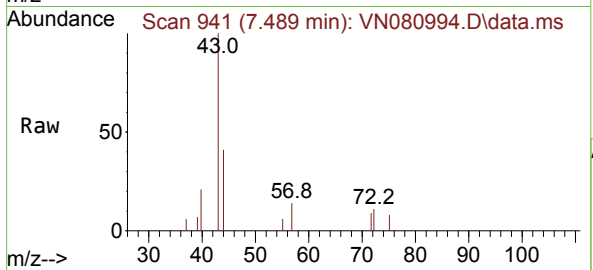
88 15.4 12.7 19.1



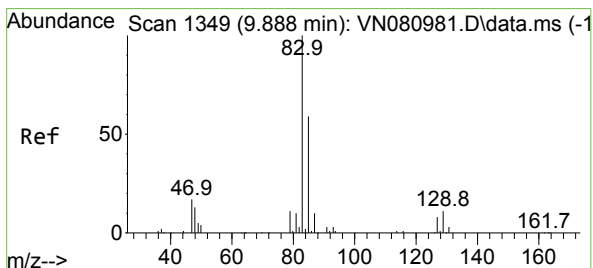
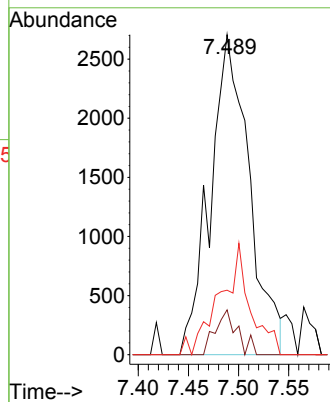
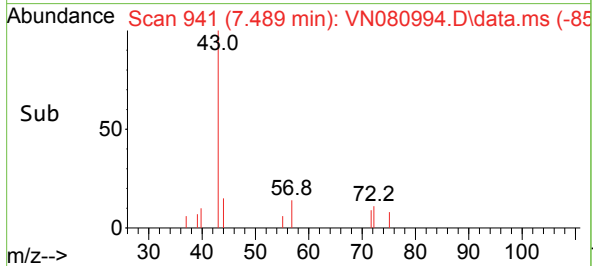


#30
2-Butanone
Concen: 3.337 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

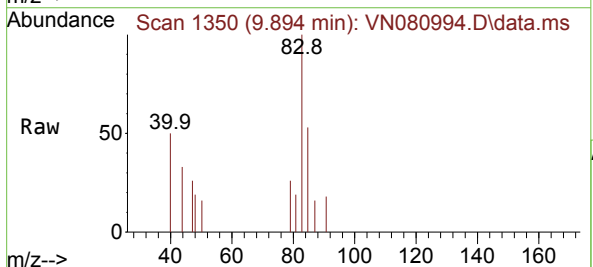
Instrument :
MSVOA_N
ClientSampleId :



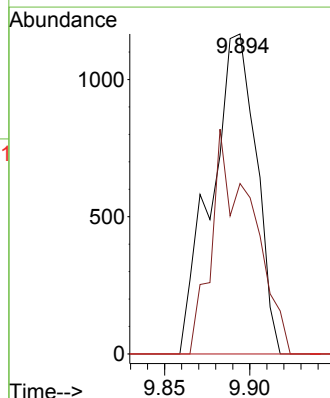
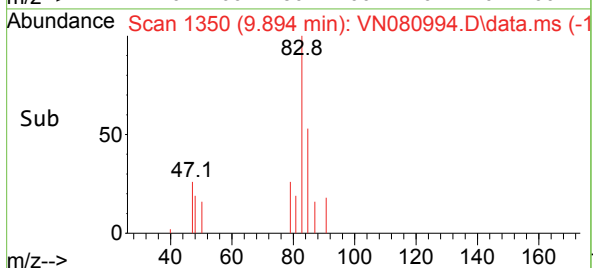
Tgt Ion: 43 Resp: 7311
Ion Ratio Lower Upper
43 100
57 7.1 6.7 10.1
72 13.5 24.0 36.0#

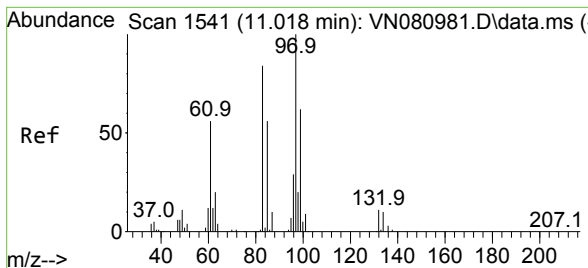


#41
Bromodichloromethane
Concen: 0.333 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10



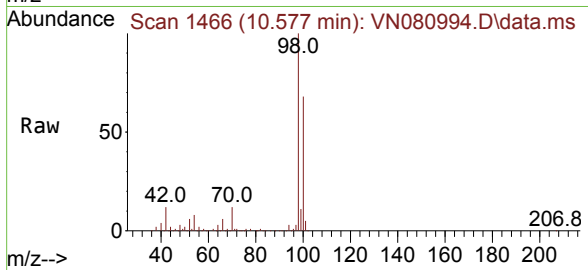
Tgt Ion: 83 Resp: 2143
Ion Ratio Lower Upper
83 100
85 53.3 49.4 74.2
127 0.0 7.3 10.9#



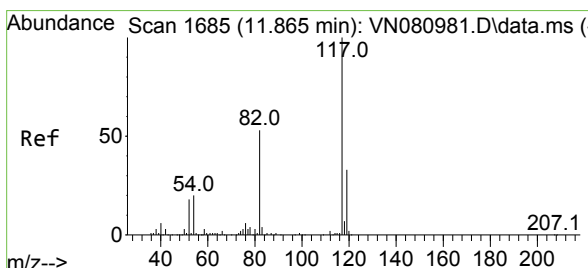
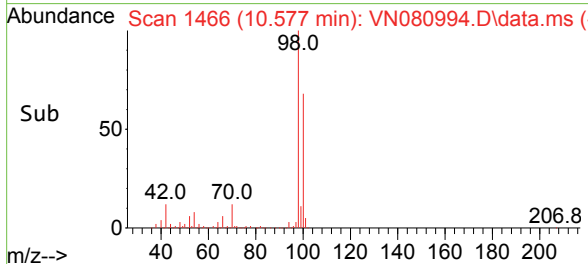
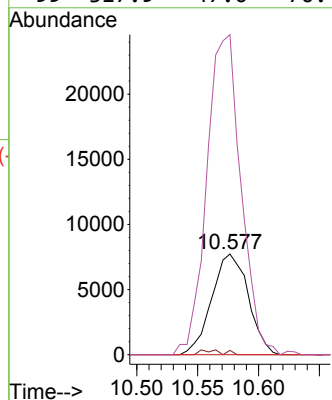


#50
1,1,2-Trichloroethane
Concen: 3.546 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :

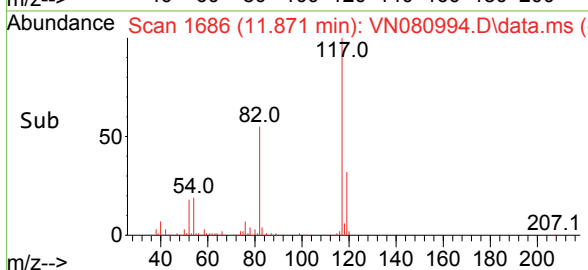
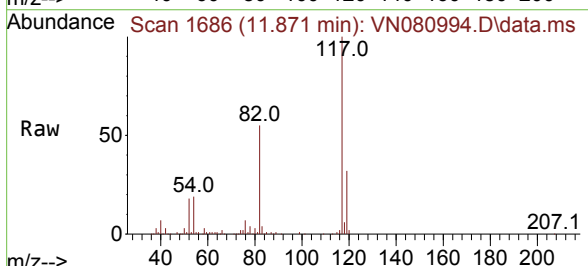
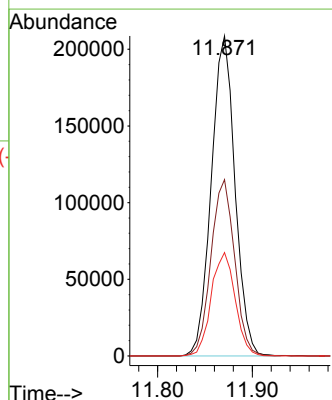


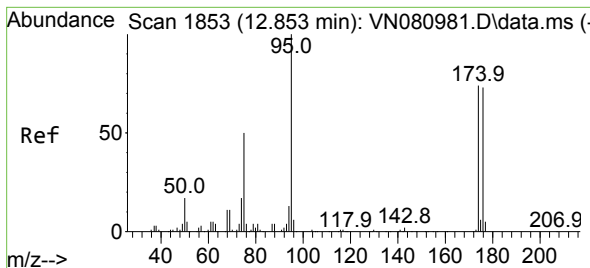
Tgt Ion: 97 Resp: 16154
Ion Ratio Lower Upper
97 100
83 4.4 68.1 102.1#
85 0.0 41.8 62.6#
99 317.9 47.0 70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

Tgt Ion: 117 Resp: 362708
Ion Ratio Lower Upper
117 100
82 55.1 46.6 69.8
119 32.6 25.4 38.2

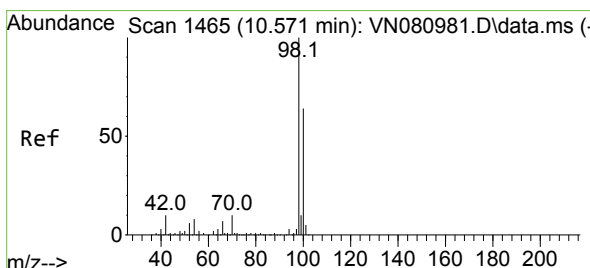
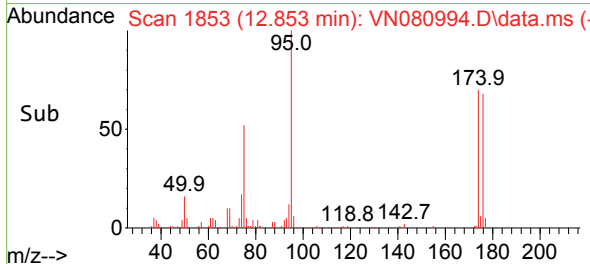
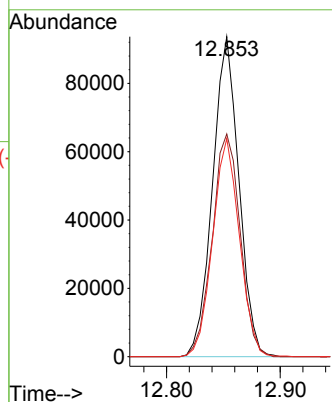
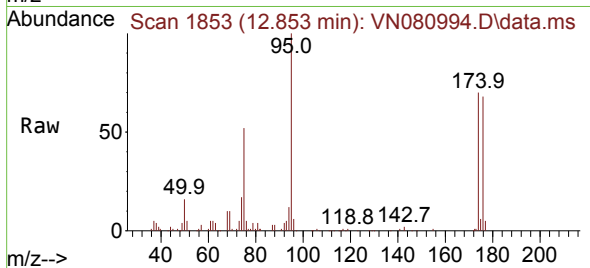




#60
4-Bromofluorobenzene
Concen: 27.214 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

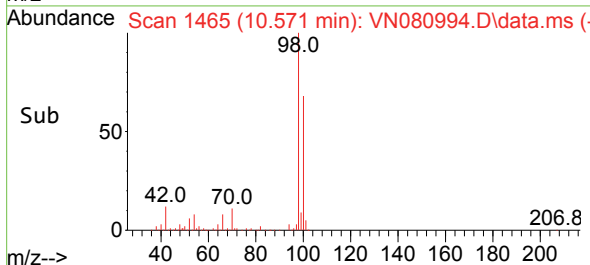
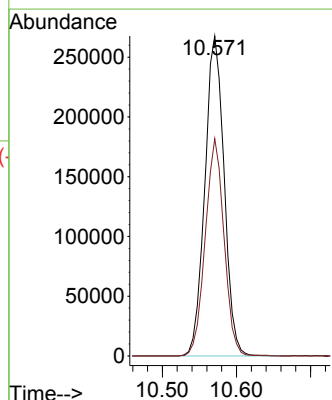
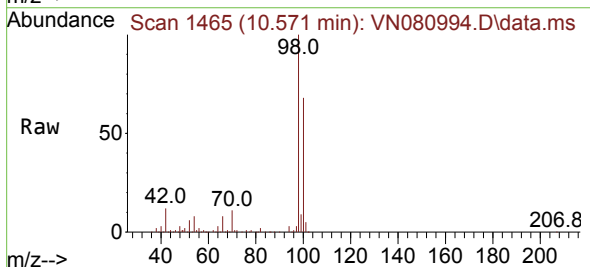
Instrument :
MSVOA_N
ClientSampleId :

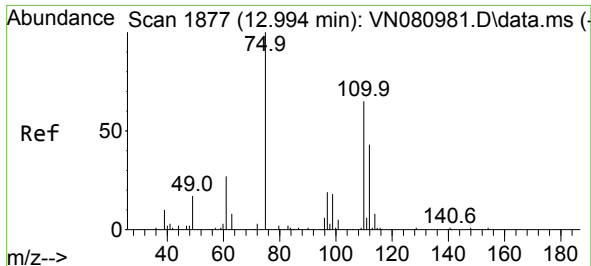
Tgt Ion: 95 Resp: 150900
Ion Ratio Lower Upper
95 100
174 73.8 60.5 90.7
176 69.3 57.8 86.6



#63
Toluene-d8
Concen: 29.742 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

Tgt Ion: 98 Resp: 484108
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1

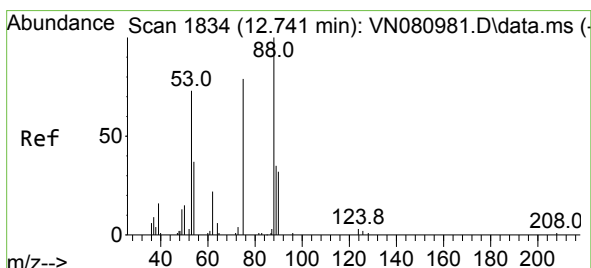
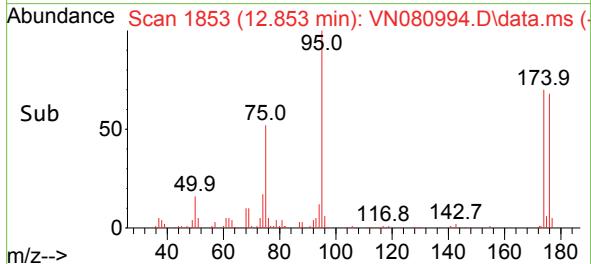
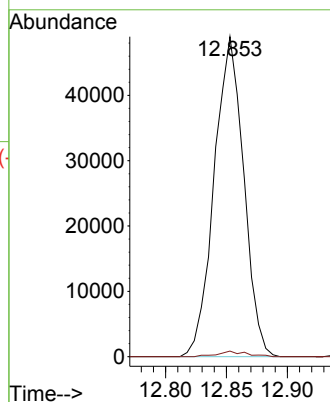
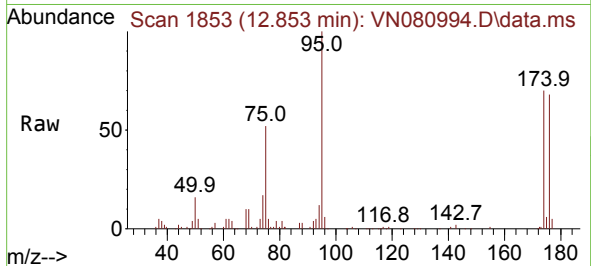




#72
1,2,3-Trichloropropane
Concen: 17.479 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 82668
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 46.189 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080994.D
Acq: 09 Feb 2024 17:10

Tgt Ion: 75 Resp: 82668
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

