

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080993.D
 Acq On : 09 Feb 2024 16:46
 Operator : JC\MD
 Sample : P1429-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 10 02:04:31 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)

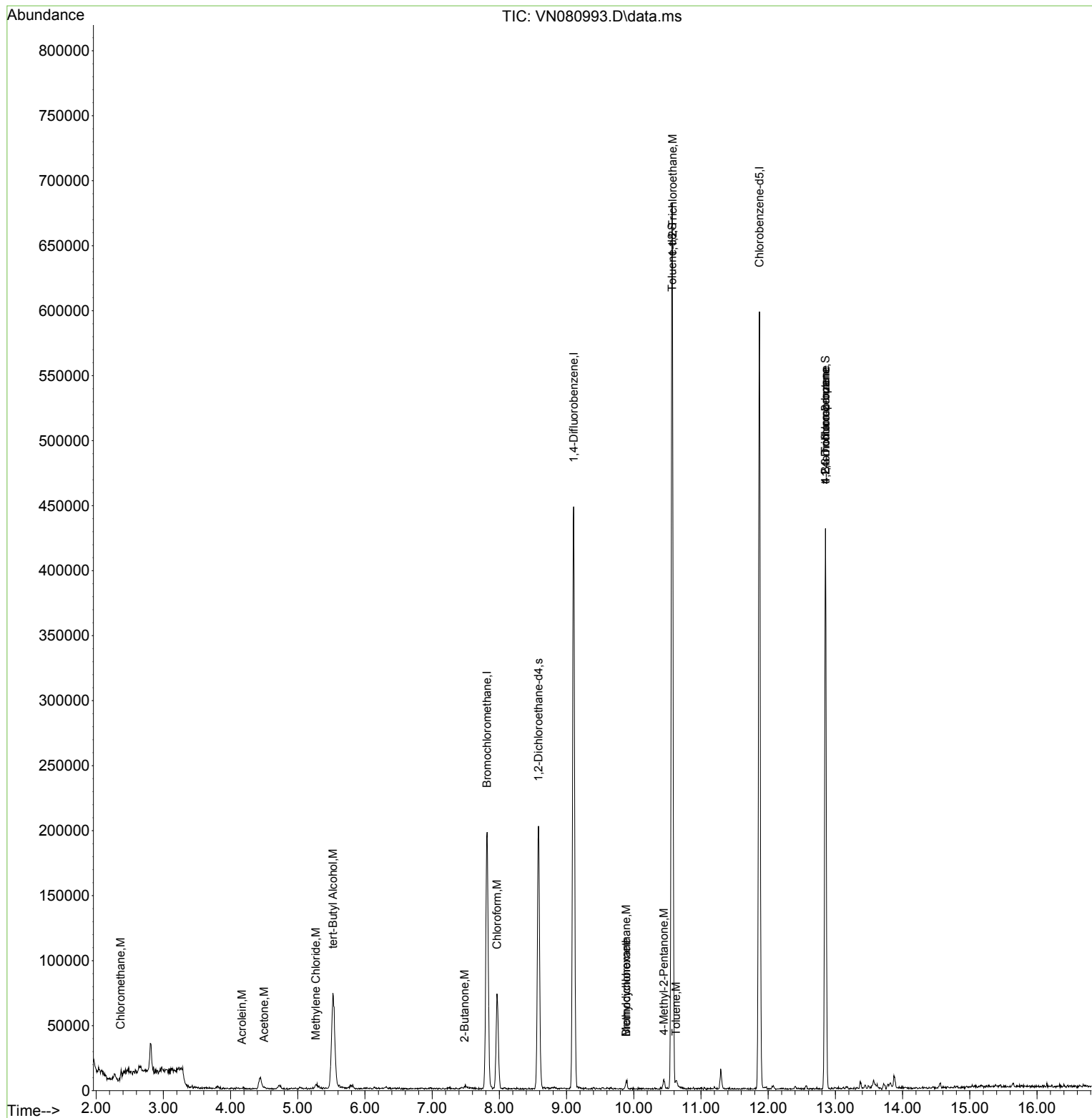
Internal Standards						
1) Bromochloromethane	7.818	128	70934	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	397509	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	345039	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	167168	31.363	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 104.533%		
60) 4-Bromofluorobenzene	12.853	95	144593	27.412	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 91.367%		
63) Toluene-d8	10.571	98	473847	30.602	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 102.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2084	0.430	ug/l #	75
13) Acrolein	4.171	56	230	0.288	ug/l #	44
15) Acetone	4.500	58	176	0.420	ug/l	71
18) Methylene Chloride	5.271	84	1474	0.319	ug/l #	75
23) tert-Butyl Alcohol	5.524	59	127271	191.802	ug/l #	100
25) Chloroform	7.965	83	66667	7.674	ug/l	91
30) 2-Butanone	7.483	43	1573	0.724	ug/l #	74
38) Methylcyclohexane	9.888	83	4690	0.794	ug/l #	19
41) Bromodichloromethane	9.888	83	4690	0.734	ug/l #	97
50) 1,1,2-Trichloroethane	10.577	97	15110	3.344	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	4969	1.109	ug/l #	61
62) Toluene	10.629	91	4030	0.213	ug/l #	53
72) 1,2,3-Trichloropropane	12.853	75	75942	16.879	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	75942	44.603	ug/l #	12

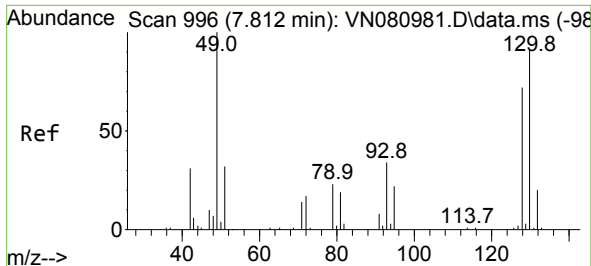
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
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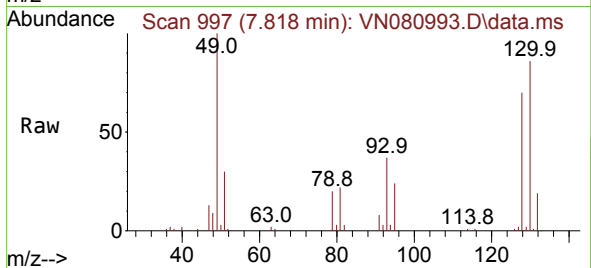
Quant Time: Feb 10 02:04:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 10 01:52:21 2024
Response via : Initial Calibration



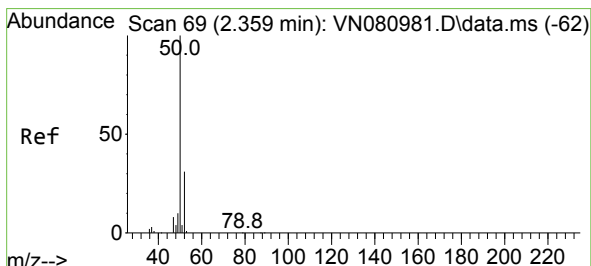
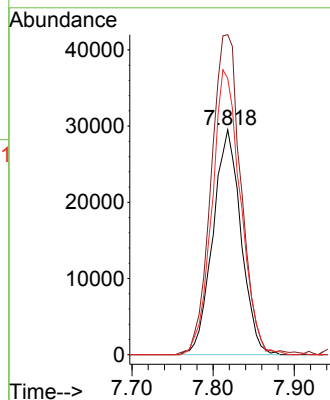
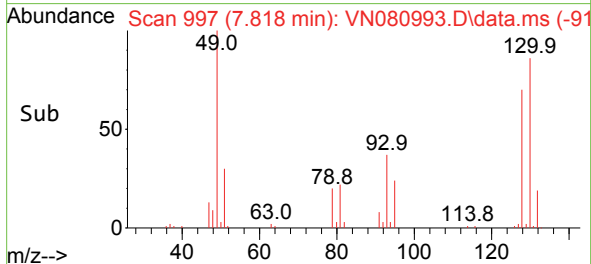


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

Instrument :
MSVOA_N
ClientSampleId :

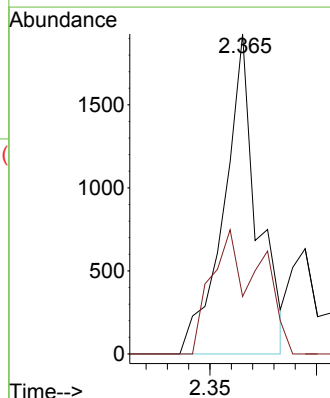
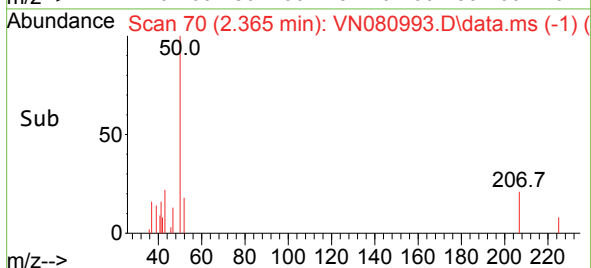
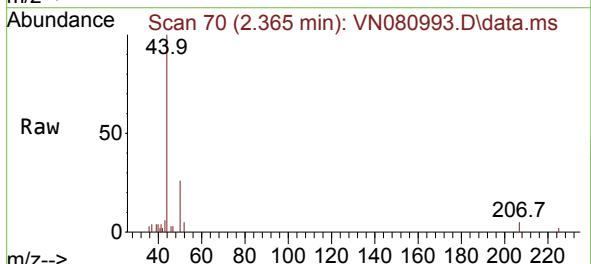


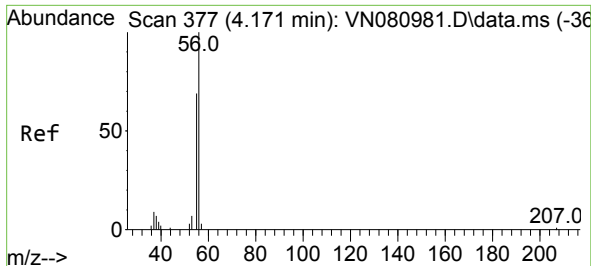
Tgt Ion:128 Resp: 70934
Ion Ratio Lower Upper
128 100
49 146.8 0.0 403.7
130 128.3 0.0 323.3



#3
Chloromethane
Concen: 0.430 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

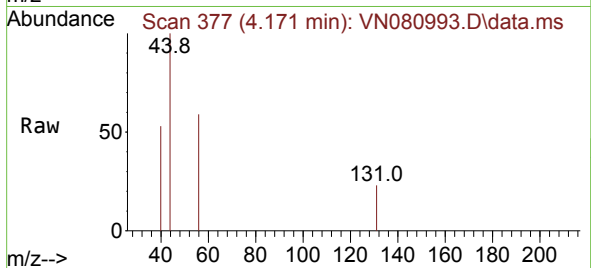
Tgt Ion: 50 Resp: 2084
Ion Ratio Lower Upper
50 100
52 18.0 25.4 38.0#



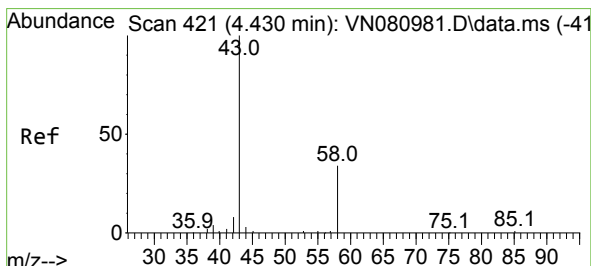
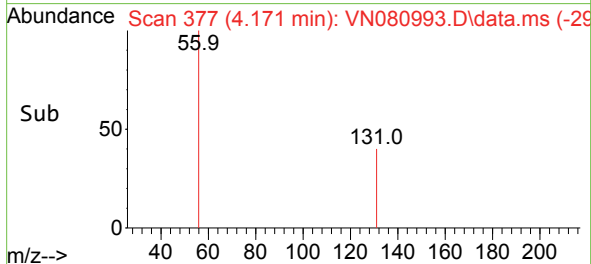
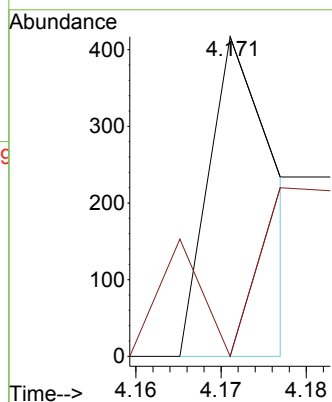


#13
Acrolein
Concen: 0.288 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

Instrument :
MSVOA_N
ClientSampleId :

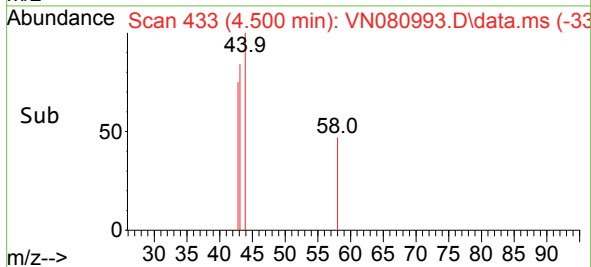
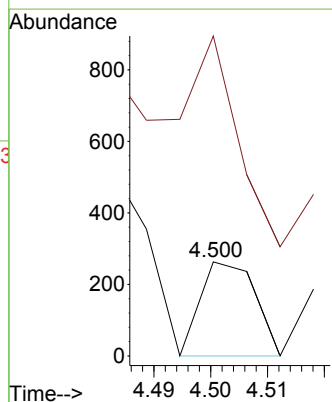
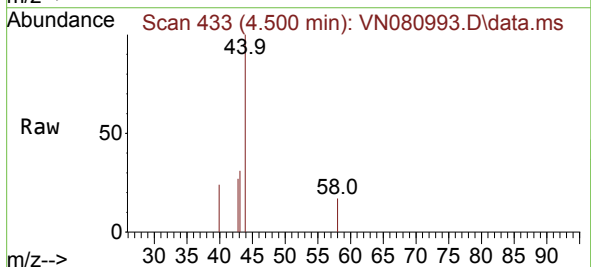


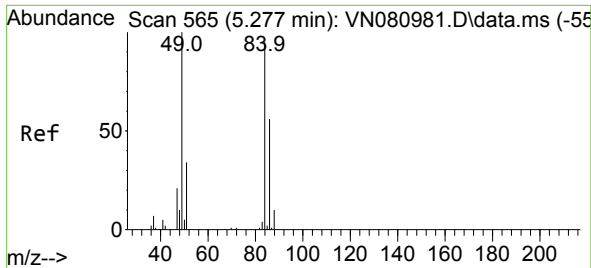
Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 23.5 55.5 83.3#



#15
Acetone
Concen: 0.420 ug/l
RT: 4.500 min Scan# 433
Delta R.T. 0.071 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

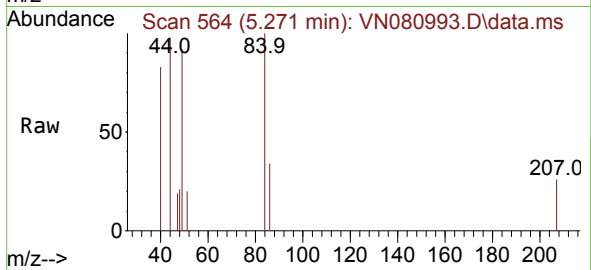
Tgt Ion: 58 Resp: 176
Ion Ratio Lower Upper
58 100
43 224.3 223.1 334.7



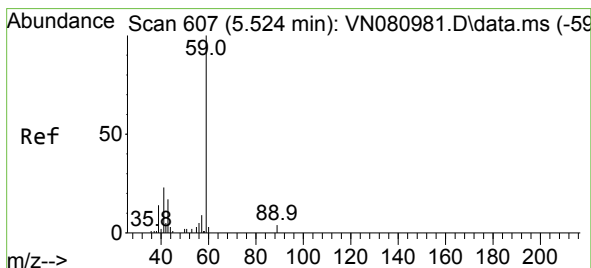
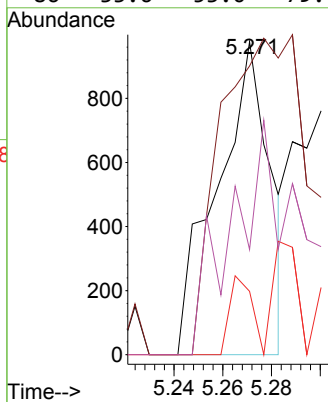
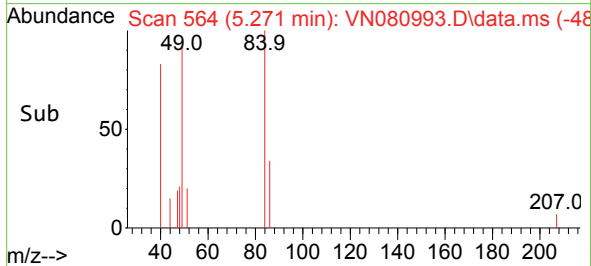


#18
Methylene Chloride
Concen: 0.319 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

Instrument :
MSVOA_N
ClientSampleId :

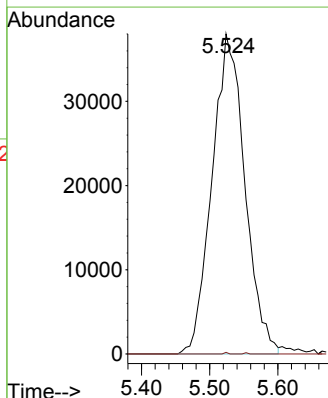
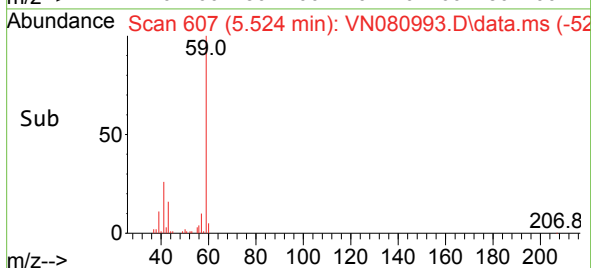
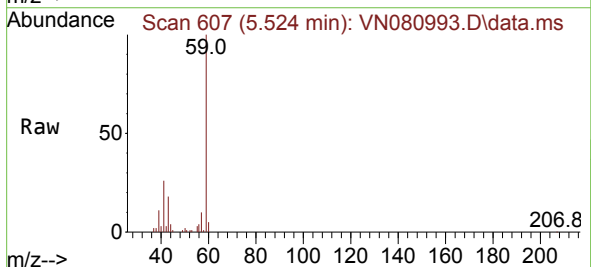


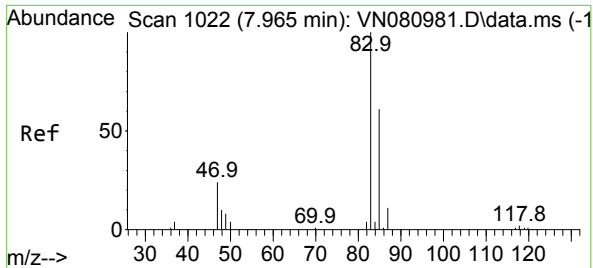
Tgt Ion: 84 Resp: 1474
Ion Ratio Lower Upper
84 100
49 92.2 86.0 129.0
51 20.3 30.0 45.0#
86 33.6 53.0 79.4#



#23
tert-Butyl Alcohol
Concen: 191.802 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

Tgt Ion: 59 Resp: 127271
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 7.674 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN080993.D

Acq: 09 Feb 2024 16:46

Instrument :

MSVOA_N

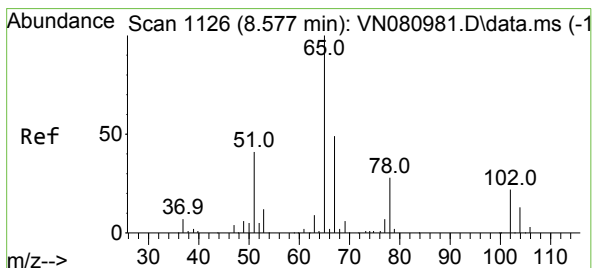
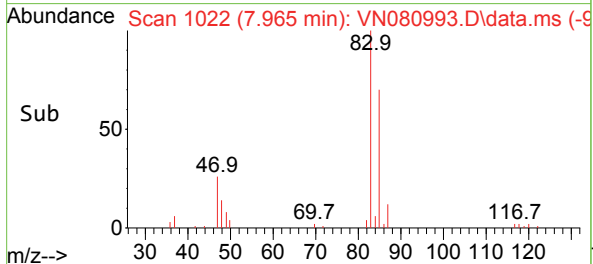
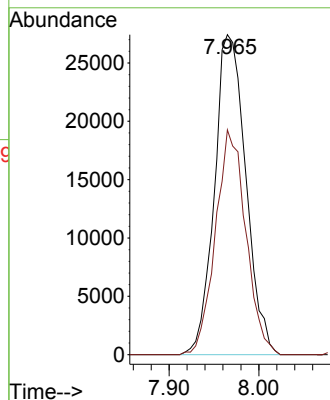
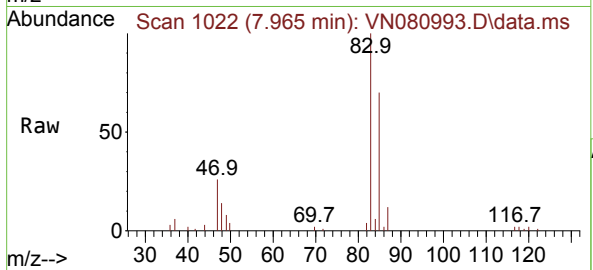
ClientSampleId :

Tgt Ion: 83 Resp: 66667

Ion Ratio Lower Upper

83 100

85 70.3 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 31.363 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080993.D

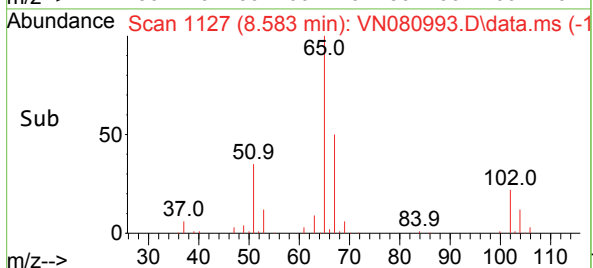
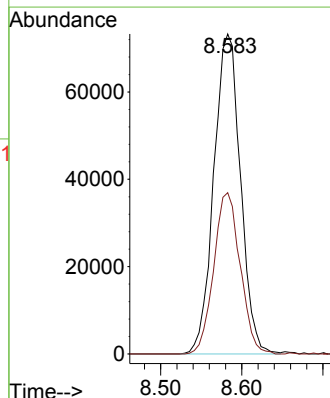
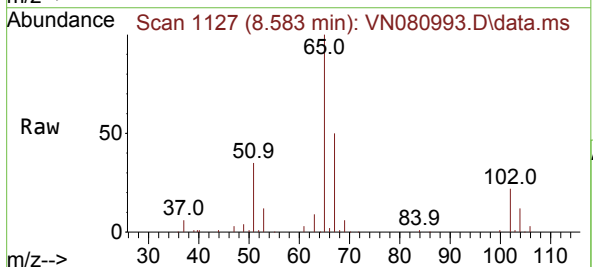
Acq: 09 Feb 2024 16:46

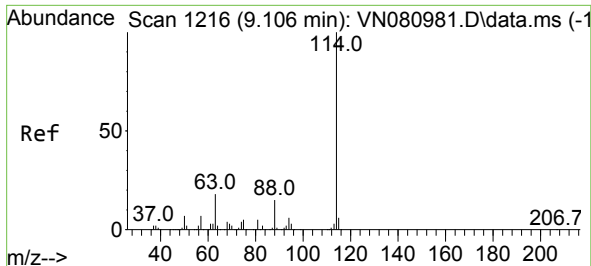
Tgt Ion: 65 Resp: 167168

Ion Ratio Lower Upper

65 100

67 49.9 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

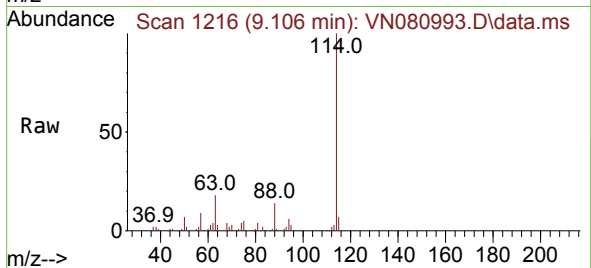
Lab File: VN080993.D

Acq: 09 Feb 2024 16:46

Instrument :

MSVOA_N

ClientSampleId :



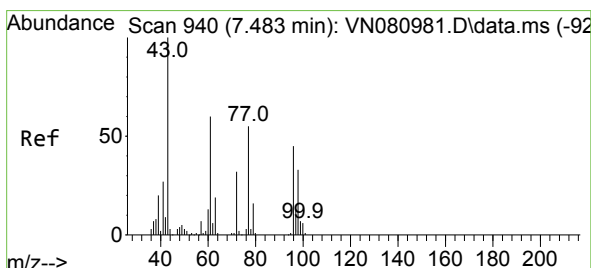
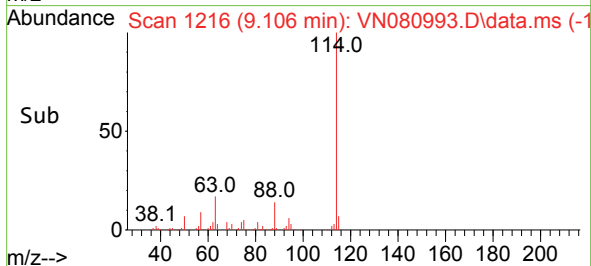
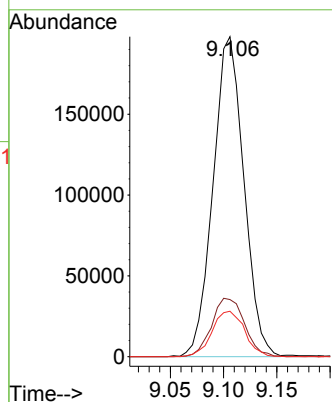
Tgt Ion:114 Resp: 397509

Ion Ratio Lower Upper

114 100

63 19.6 15.9 23.9

88 15.0 12.7 19.1



#30

2-Butanone

Concen: 0.724 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN080993.D

Acq: 09 Feb 2024 16:46

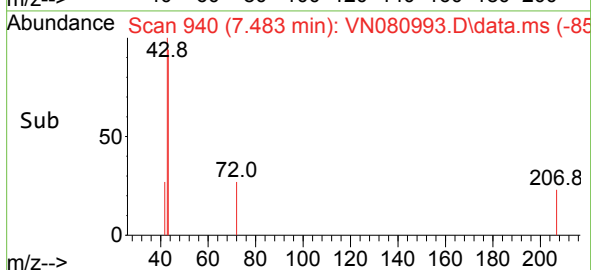
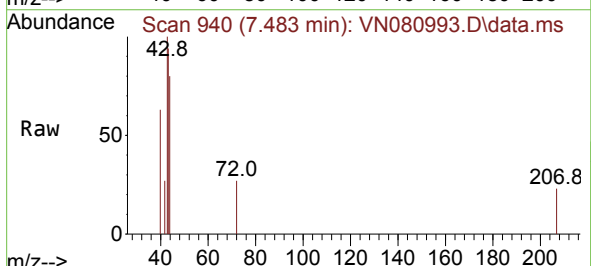
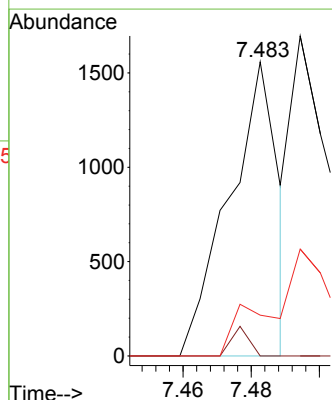
Tgt Ion: 43 Resp: 1573

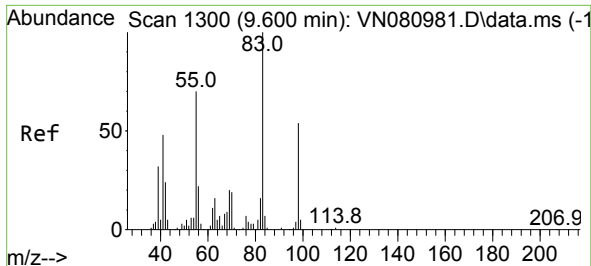
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 15.4 24.0 36.0#

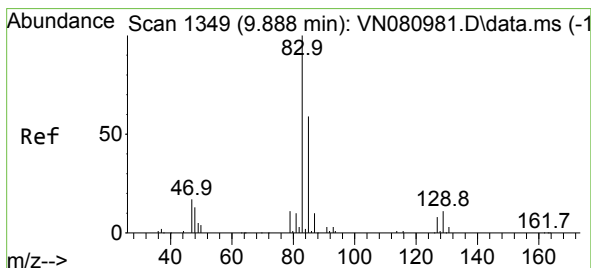
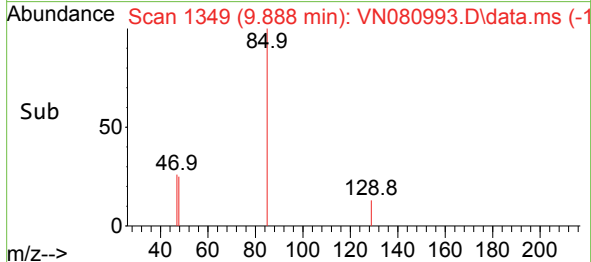
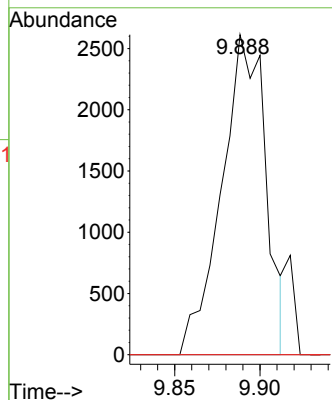
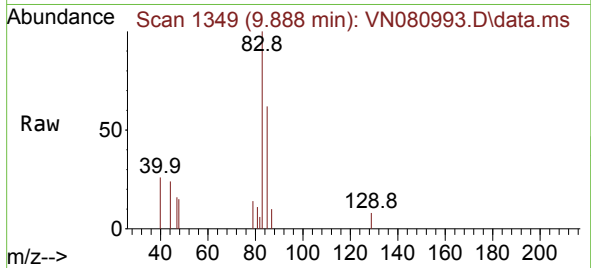




#38
Methylcyclohexane
Concen: 0.794 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.288 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

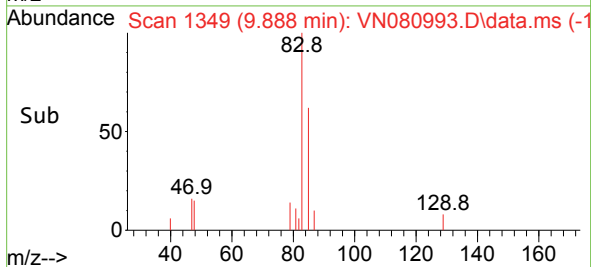
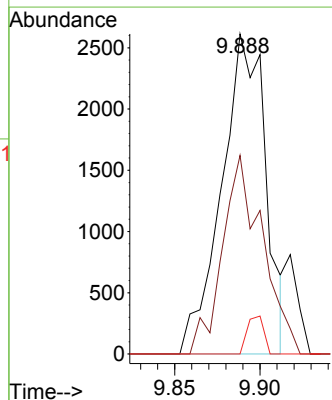
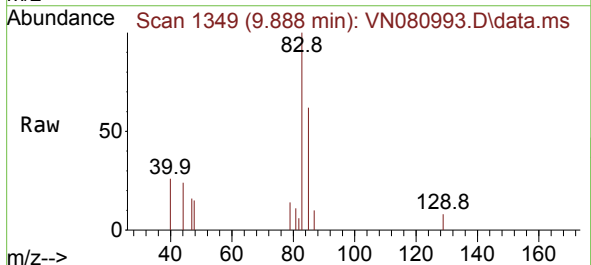
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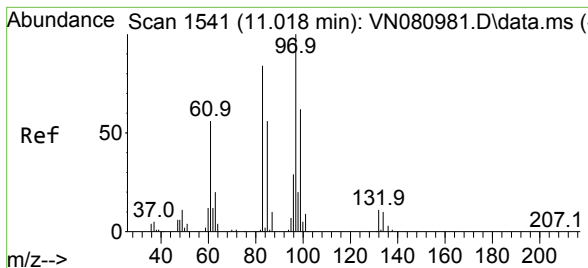
Tgt Ion: 83 Resp: 4690
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#



#41
Bromodichloromethane
Concen: 0.734 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

Tgt Ion: 83 Resp: 4690
Ion Ratio Lower Upper
83 100
85 62.0 49.4 74.2
127 0.0 7.3 10.9#





#50

1,1,2-Trichloroethane

Concen: 3.344 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

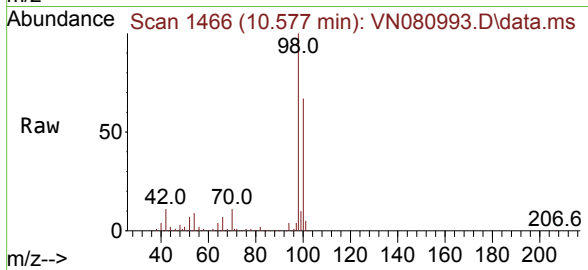
Lab File: VN080993.D

Acq: 09 Feb 2024 16:46

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 15110

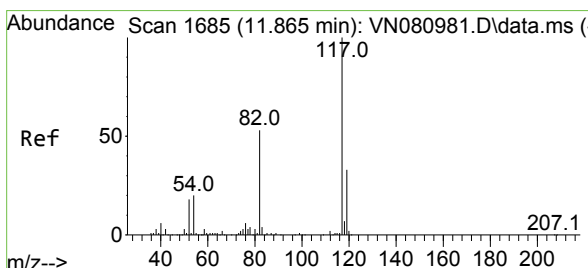
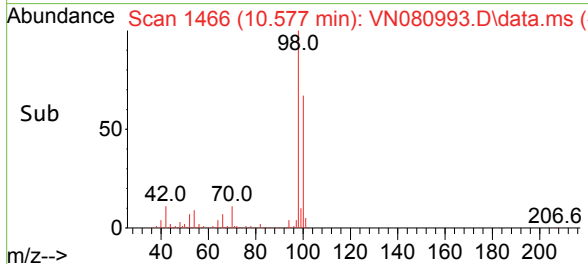
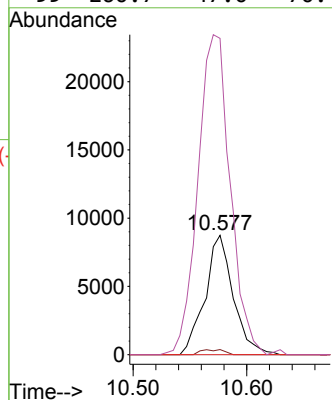
Ion Ratio Lower Upper

97 100

83 4.3 68.1 102.1#

85 0.0 41.8 62.6#

99 260.7 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: VN080993.D

Acq: 09 Feb 2024 16:46

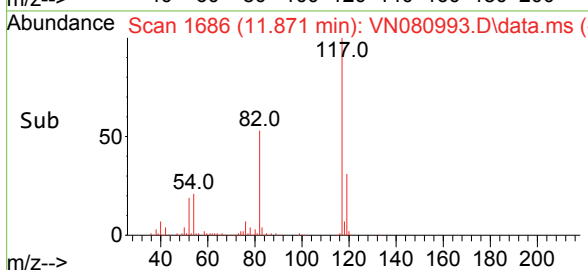
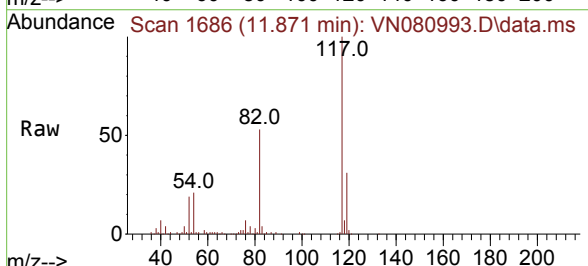
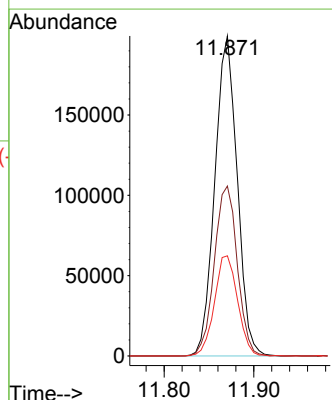
Tgt Ion: 117 Resp: 345039

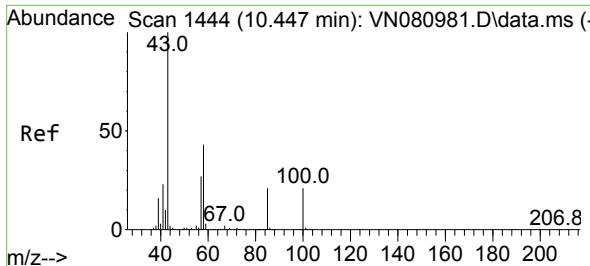
Ion Ratio Lower Upper

117 100

82 54.6 46.6 69.8

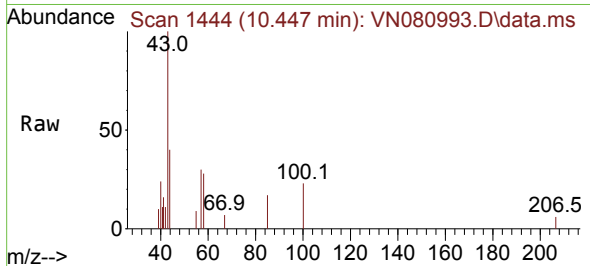
119 32.4 25.4 38.2



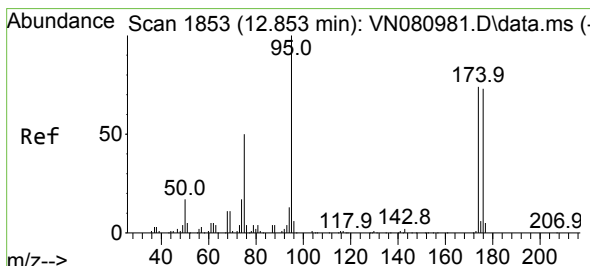
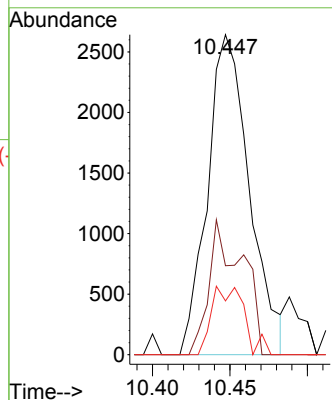
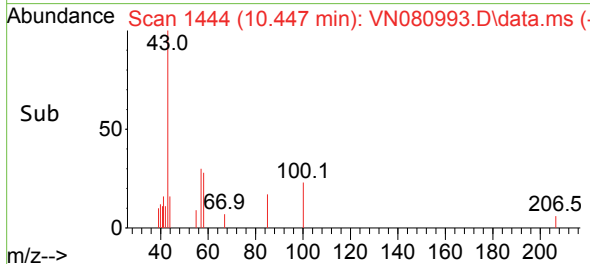


#58
4-Methyl-2-Pentanone
Concen: 1.109 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

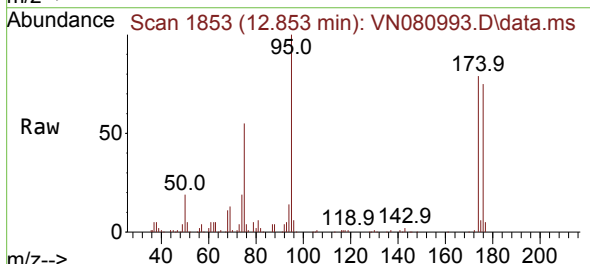
Instrument :
MSVOA_N
ClientSampleId :



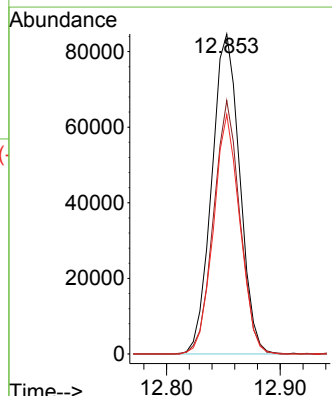
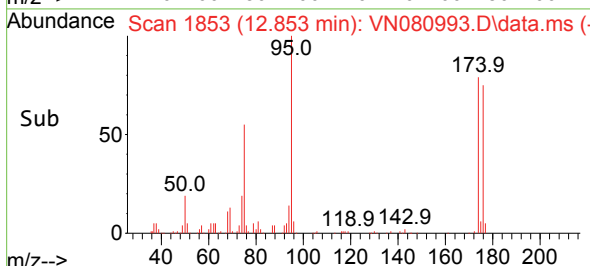
Tgt Ion: 43 Resp: 4969
Ion Ratio Lower Upper
43 100
58 17.4 36.5 54.7#
85 8.5 19.5 29.3#

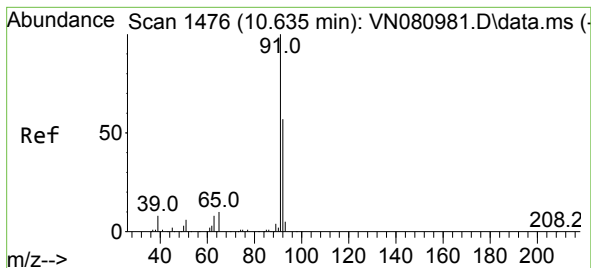


#60
4-Bromofluorobenzene
Concen: 27.412 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46



Tgt Ion: 95 Resp: 144593
Ion Ratio Lower Upper
95 100
174 74.8 60.5 90.7
176 70.6 57.8 86.6





#62

Toluene

Concen: 0.213 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN080993.D

Acq: 09 Feb 2024 16:46

Instrument :

MSVOA_N

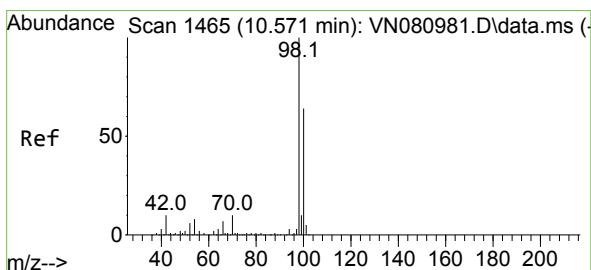
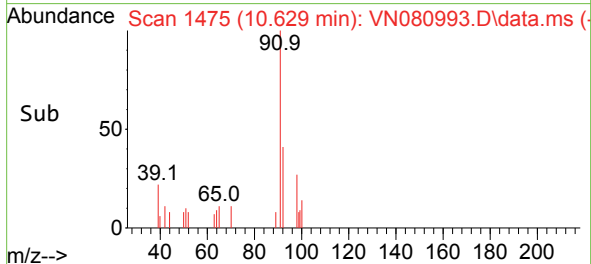
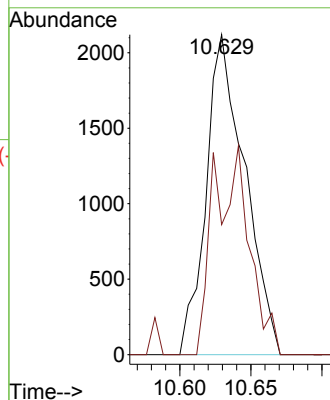
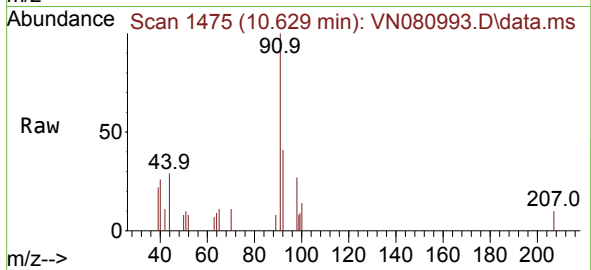
ClientSampleId :

Tgt Ion: 91 Resp: 4030

Ion Ratio Lower Upper

91 100

92 23.2 46.5 69.7#



#63

Toluene-d8

Concen: 30.602 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080993.D

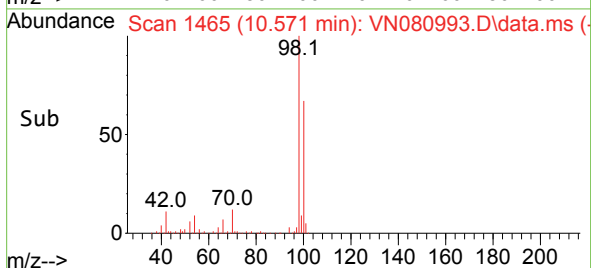
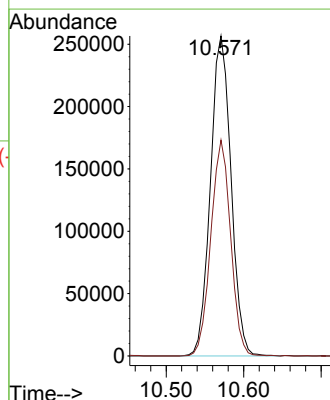
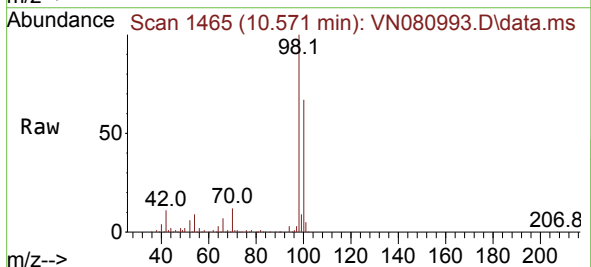
Acq: 09 Feb 2024 16:46

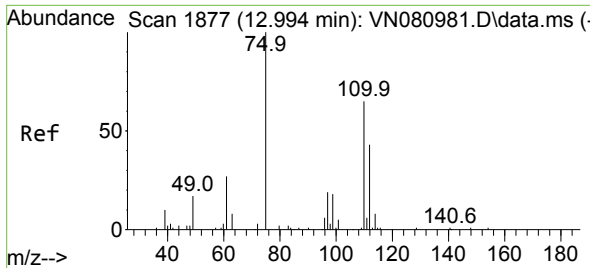
Tgt Ion: 98 Resp: 473847

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1

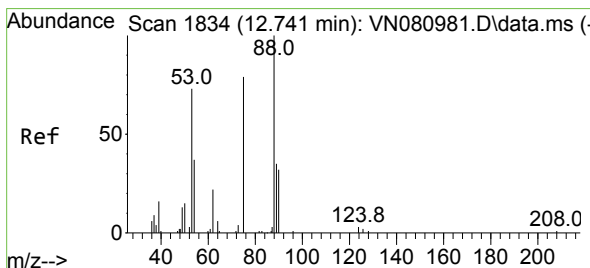
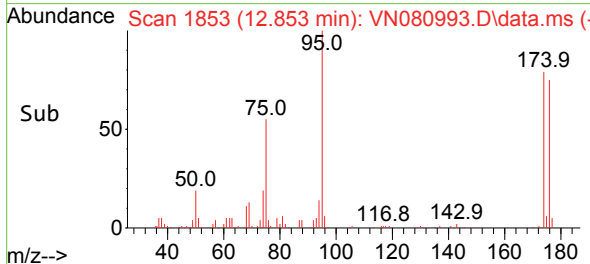
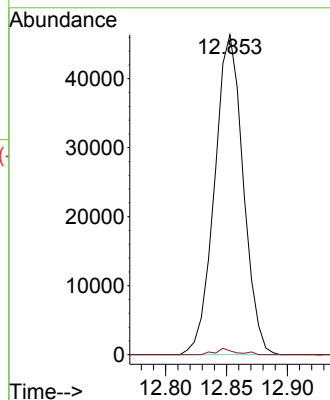
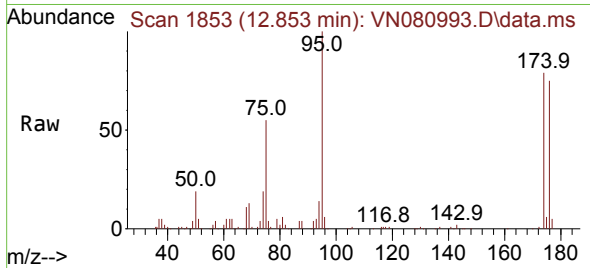




#72
1,2,3-Trichloropropane
Concen: 16.879 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 75942
Ion Ratio Lower Upper
75 100
77 1.2 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 44.603 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080993.D
Acq: 09 Feb 2024 16:46

Tgt Ion: 75 Resp: 75942
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

