

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081908.D
 Acq On : 29 Apr 2024 12:44
 Operator : JC\MD
 Sample : P2292-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 04:35:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

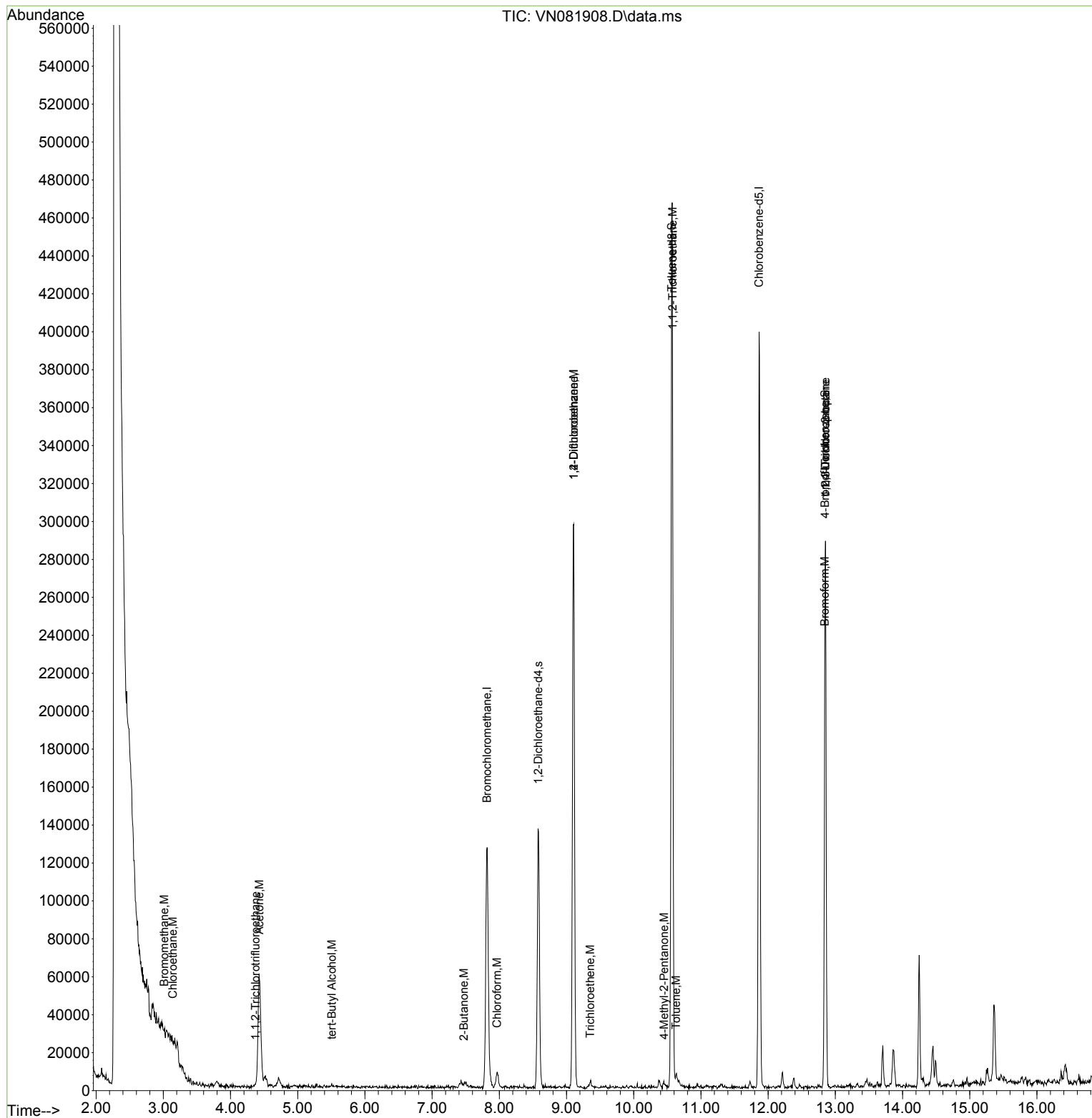
Internal Standards						
1) Bromochloromethane	7.818	128	44805	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	255484	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	217312	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	105933	28.239	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.133%
60) 4-Bromofluorobenzene	12.847	95	104174	28.805	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.000%
63) Toluene-d8	10.565	98	321845	31.186	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.967%
Target Compounds						
					Qvalue	
5) Bromomethane	3.012	94	401	0.276	ug/l	98
6) Chloroethane	3.142	64	1278	0.810	ug/l #	68
9) 1,1,2-Trichlorotrifluo...	4.371	101	736	0.263	ug/l #	44
15) Acetone	4.430	58	35309	100.830	ug/l	87
23) tert-Butyl Alcohol	5.506	59	374	0.581	ug/l #	100
25) Chloroform	7.965	83	7929	1.465	ug/l	94
30) 2-Butanone	7.471	43	1057	0.539	ug/l #	64
36) 1,2-Dichloroethane	9.106	62	9962	2.446	ug/l #	72
37) Trichloroethene	9.353	130	1242	0.418	ug/l	85
50) 1,1,2-Trichloroethane	10.577	97	8839	3.257	ug/l #	1
56) Bromoform	12.841	173	450	0.250	ug/l #	35
58) 4-Methyl-2-Pentanone	10.453	43	1444	0.342	ug/l #	47
62) Toluene	10.630	91	4459	0.365	ug/l	93
72) 1,2,3-Trichloropropane	12.853	75	57161	17.016	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	57161	38.229	ug/l #	12

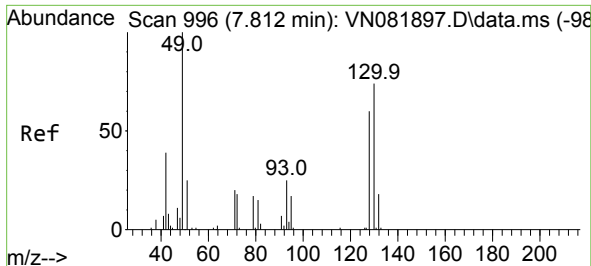
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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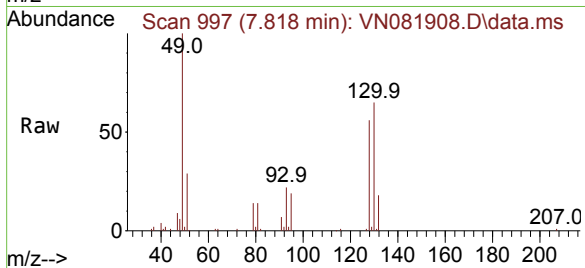
Quant Time: Apr 30 04:35:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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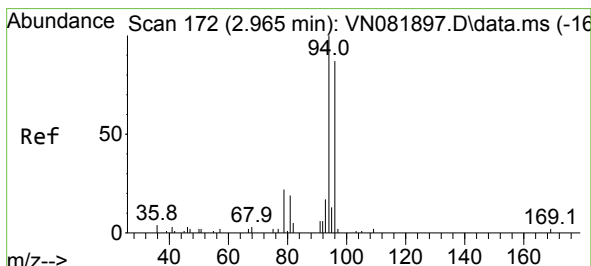
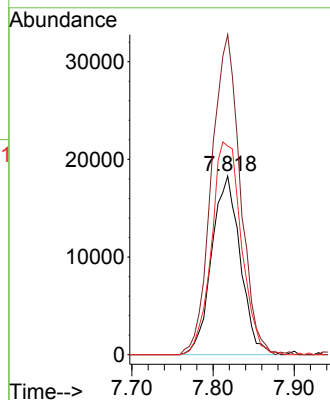
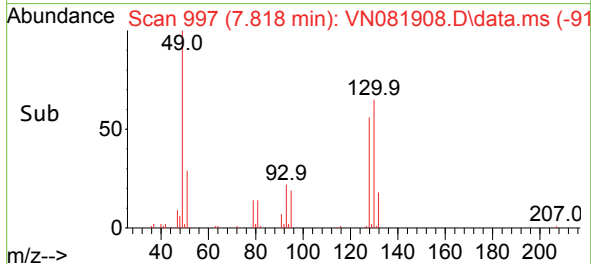


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Instrument :
MSVOA_N
ClientSampleId :

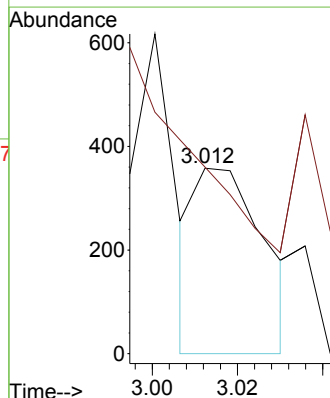
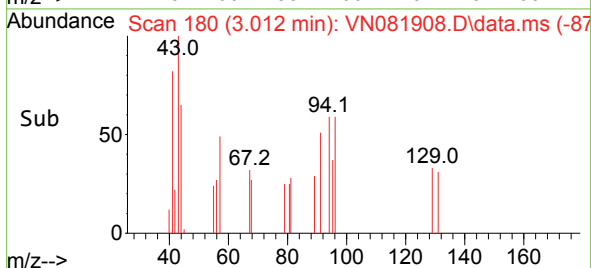
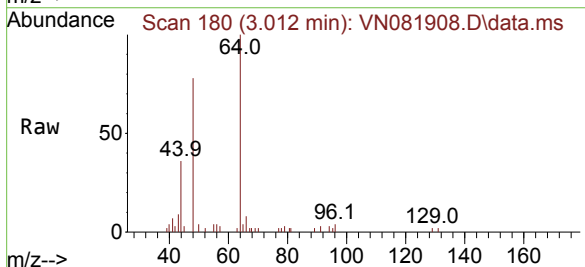


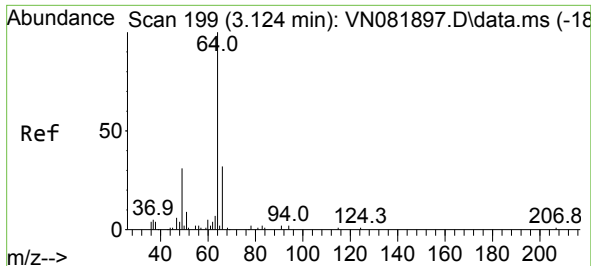
Tgt Ion:128 Resp: 44805
Ion Ratio Lower Upper
128 100
49 179.5 0.0 403.7
130 124.3 0.0 323.3



#5
Bromomethane
Concen: 0.276 ug/l
RT: 3.012 min Scan# 180
Delta R.T. 0.047 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 92.7 72.8 109.2

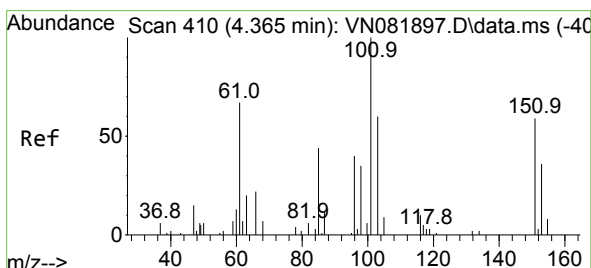
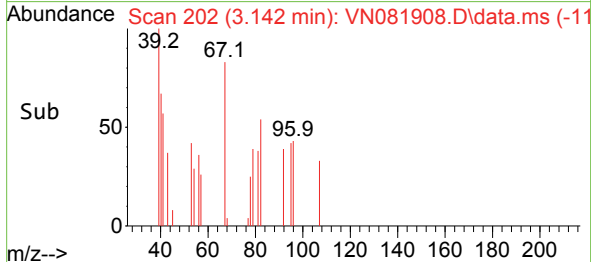
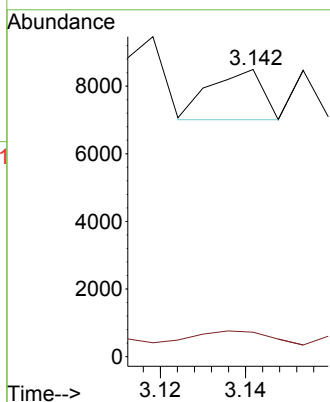
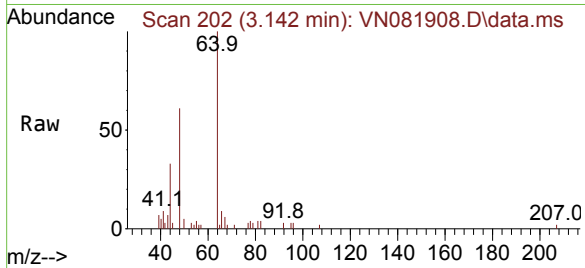




#6
Chloroethane
Concen: 0.810 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

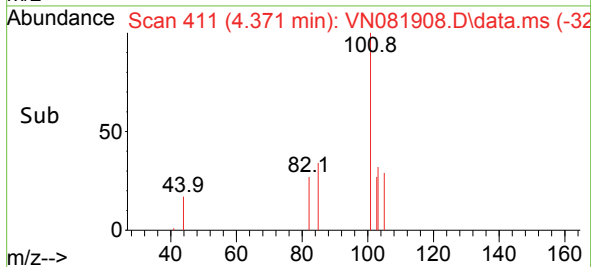
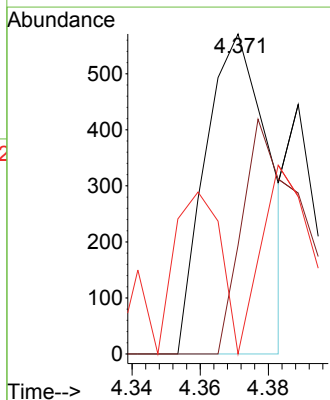
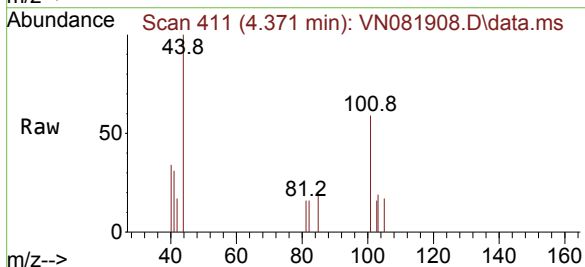
Instrument :
MSVOA_N
ClientSampleId :

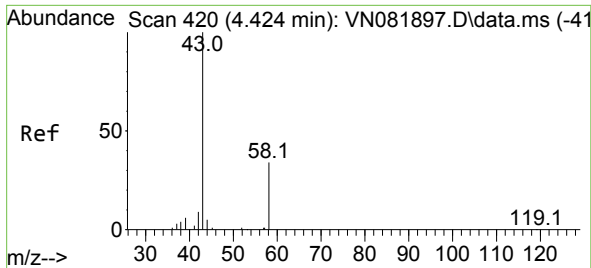
Tgt Ion: 64 Resp: 1278
Ion Ratio Lower Upper
64 100
66 15.4 26.7 40.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.263 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Tgt Ion: 101 Resp: 736
Ion Ratio Lower Upper
101 100
85 0.0 0.0 90.6
151 36.8 0.0 157.6

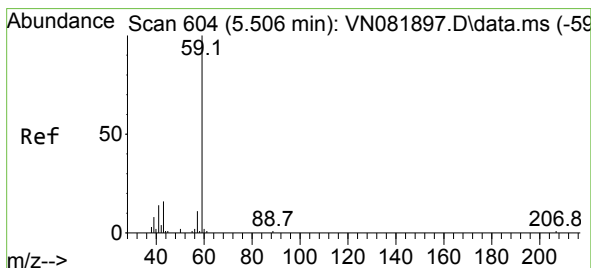
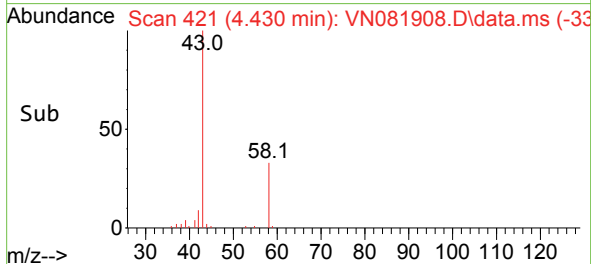
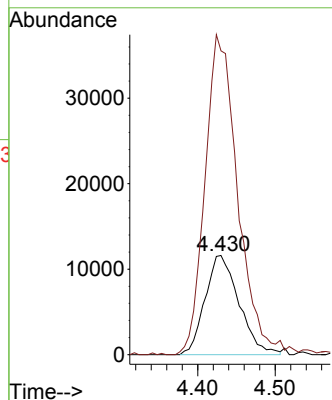
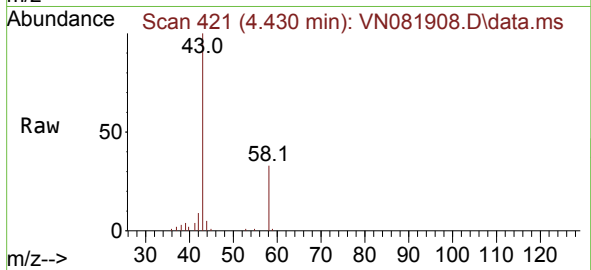




#15
Acetone
Concen: 100.830 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

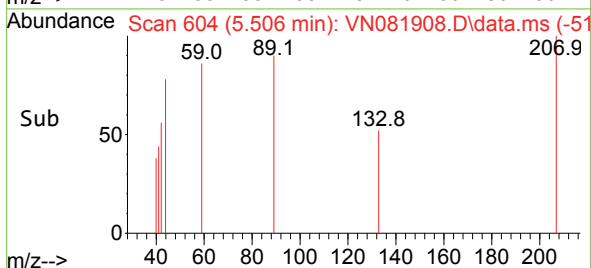
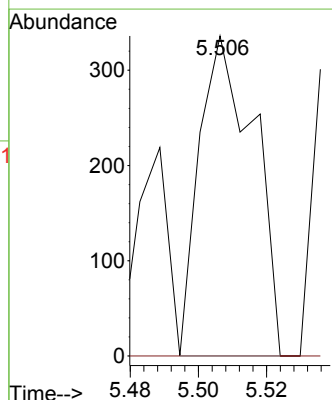
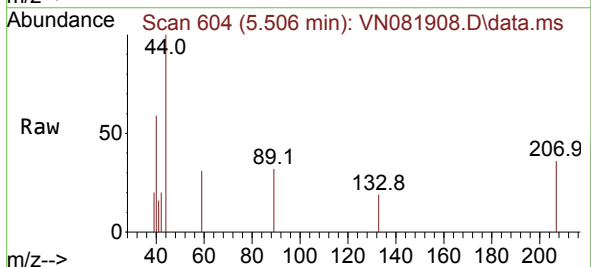
Instrument :
MSVOA_N
ClientSampleId :

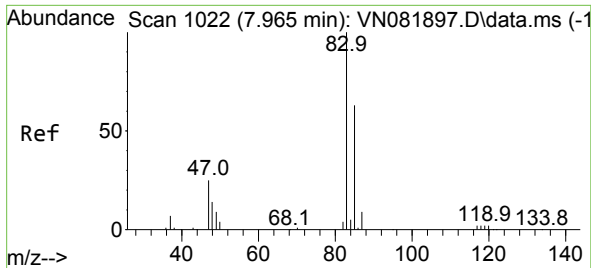
Tgt Ion: 58 Resp: 35309
Ion Ratio Lower Upper
58 100
43 303.1 223.1 334.7



#23
tert-Butyl Alcohol
Concen: 0.581 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.000 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Tgt Ion: 59 Resp: 374
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

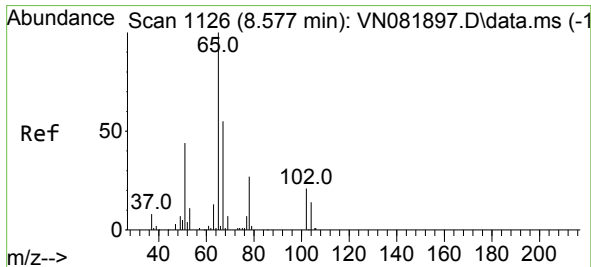
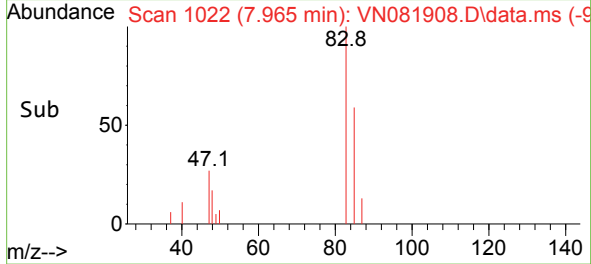
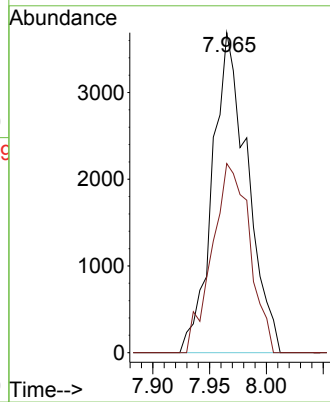
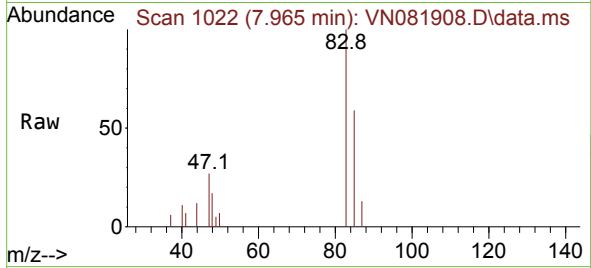




#25
Chloroform
Concen: 1.465 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

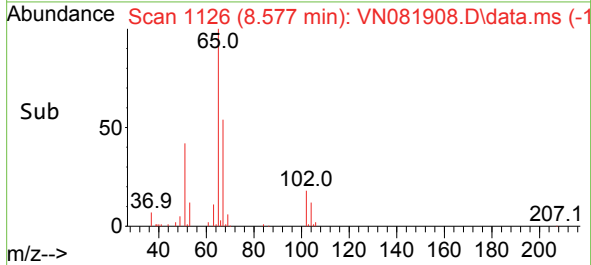
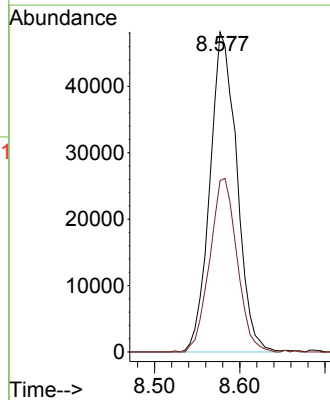
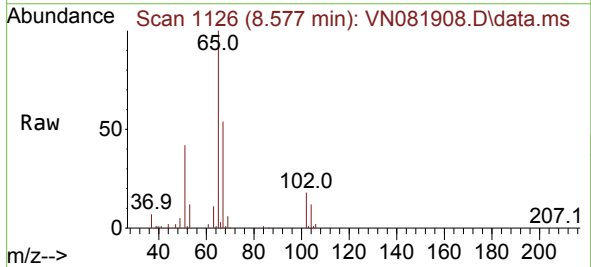
Instrument :
MSVOA_N
ClientSampleId :

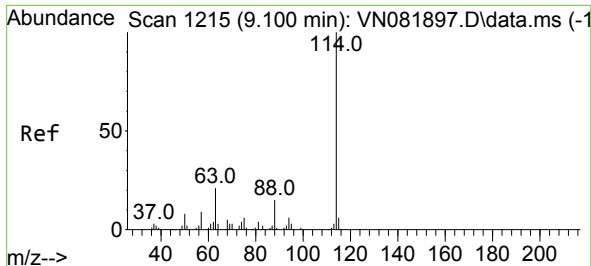
Tgt Ion: 83 Resp: 7929
Ion Ratio Lower Upper
83 100
85 59.1 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 28.239 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Tgt Ion: 65 Resp: 105933
Ion Ratio Lower Upper
65 100
67 54.9 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN081908.D

Acq: 29 Apr 2024 12:44

Instrument :

MSVOA_N

ClientSampleId :

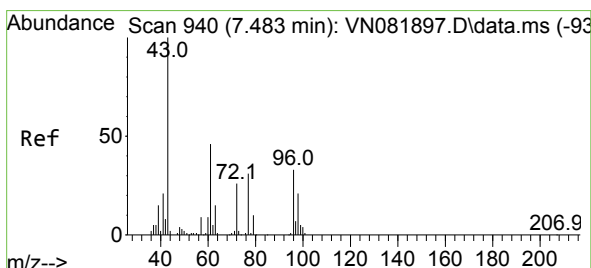
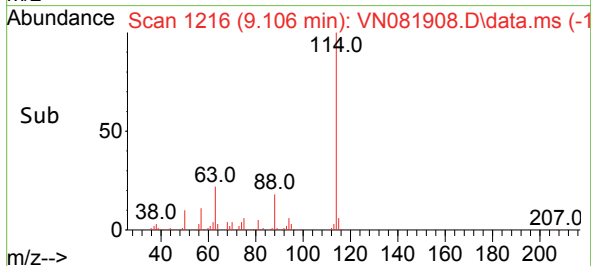
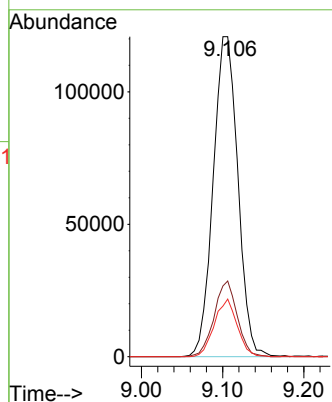
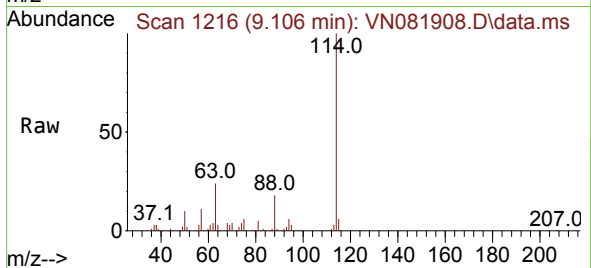
Tgt Ion:114 Resp: 255484

Ion Ratio Lower Upper

114 100

63 22.1 15.9 23.9

88 16.7 12.7 19.1



#30

2-Butanone

Concen: 0.539 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.012 min

Lab File: VN081908.D

Acq: 29 Apr 2024 12:44

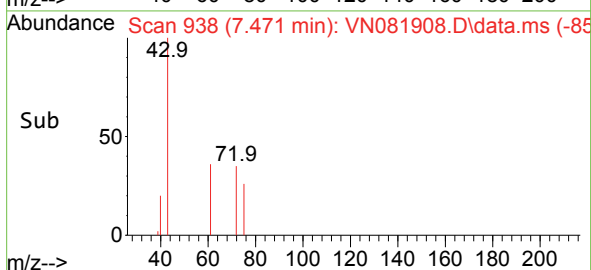
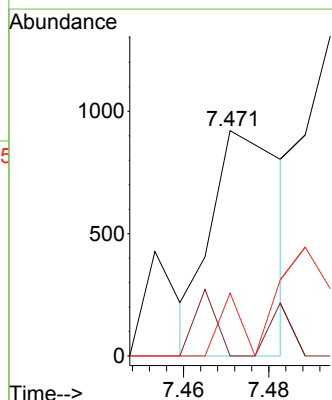
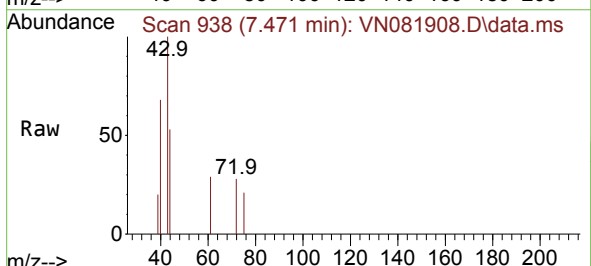
Tgt Ion: 43 Resp: 1057

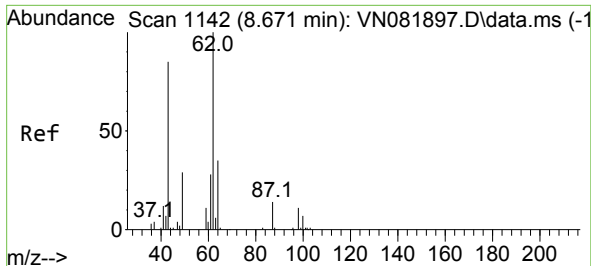
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 8.6 24.0 36.0#





#36

1,2-Dichloroethane

Concen: 2.446 ug/l

RT: 9.106 min Scan# 1142

Delta R.T. 0.435 min

Lab File: VN081908.D

Acq: 29 Apr 2024 12:44

Instrument :

MSVOA_N

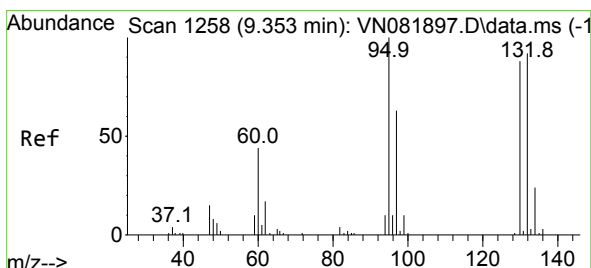
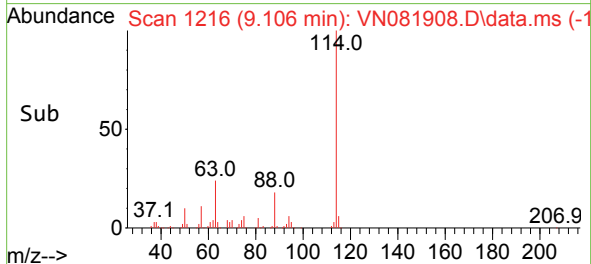
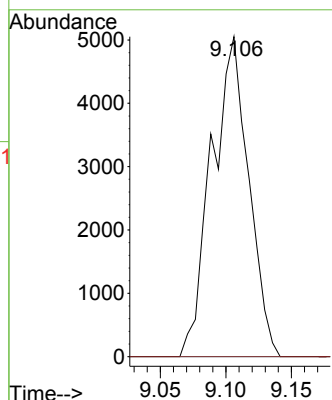
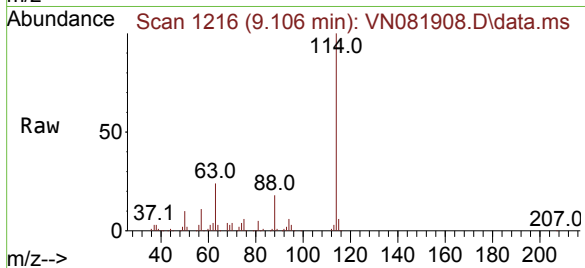
ClientSampleId :

Tgt Ion: 62 Resp: 9962

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#37

Trichloroethene

Concen: 0.418 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN081908.D

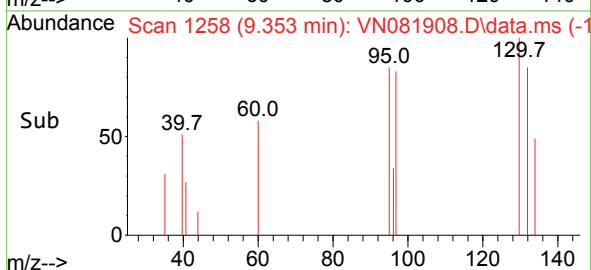
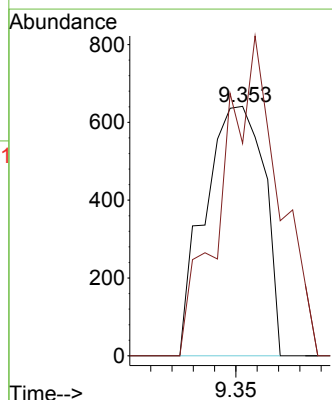
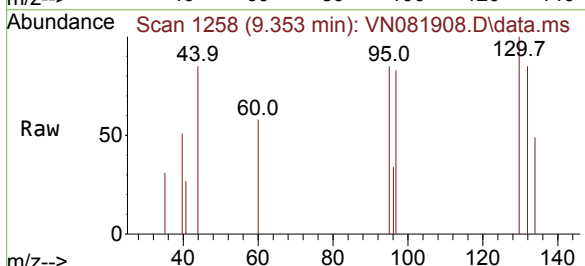
Acq: 29 Apr 2024 12:44

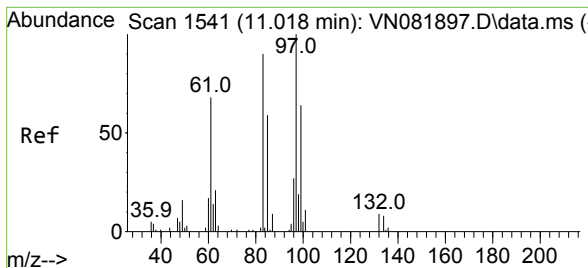
Tgt Ion: 130 Resp: 1242

Ion Ratio Lower Upper

130 100

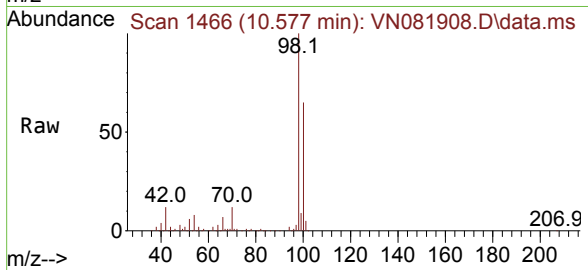
95 85.2 80.2 120.4



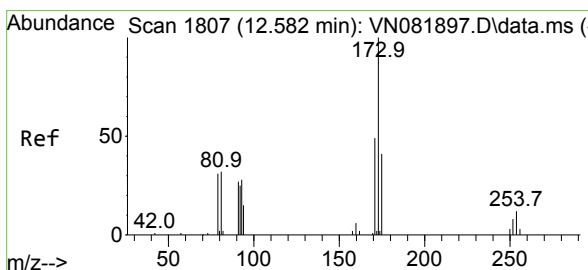
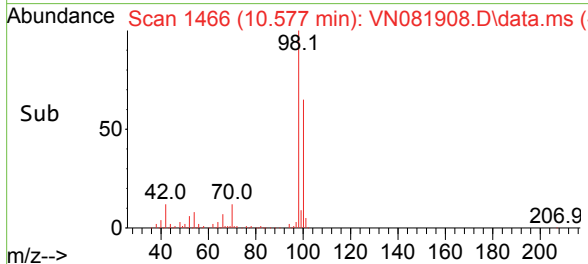
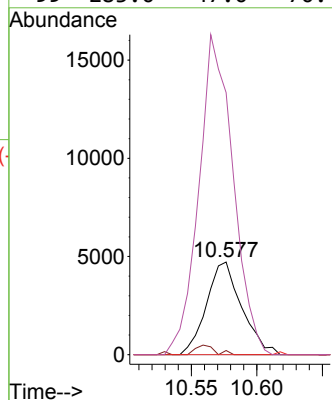


#50
1,1,2-Trichloroethane
Concen: 3.257 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Instrument :
MSVOA_N
ClientSampleId :

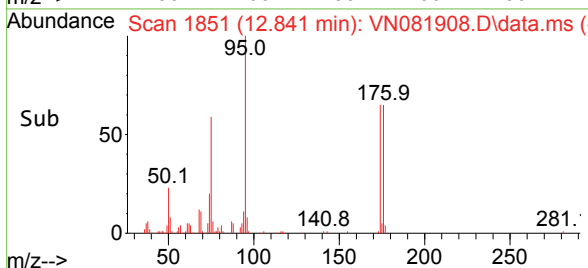
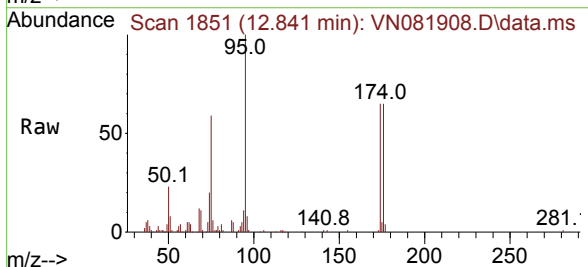
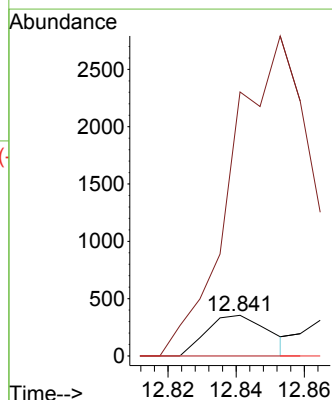


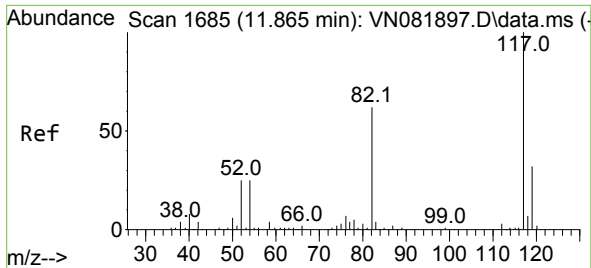
Tgt Ion: 97 Resp: 8839
Ion Ratio Lower Upper
97 100
83 4.4 68.1 102.1#
85 0.0 41.8 62.6#
99 283.0 47.0 70.4#



#56
Bromoform
Concen: 0.250 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

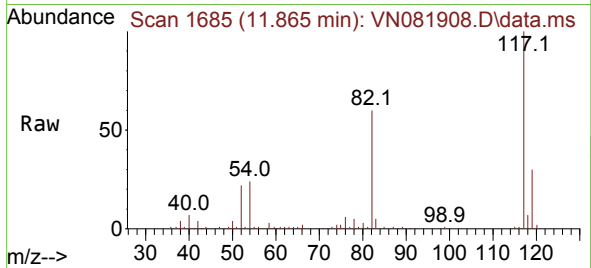
Tgt Ion:173 Resp: 450
Ion Ratio Lower Upper
173 100
175 0.0 40.0 60.0#
254 0.0 8.3 12.5#



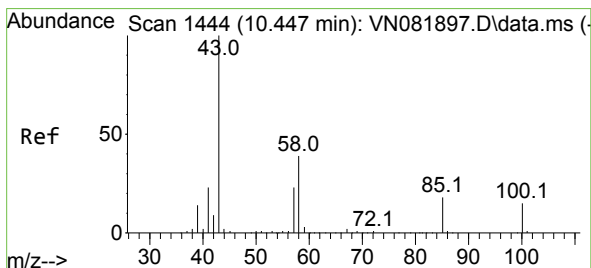
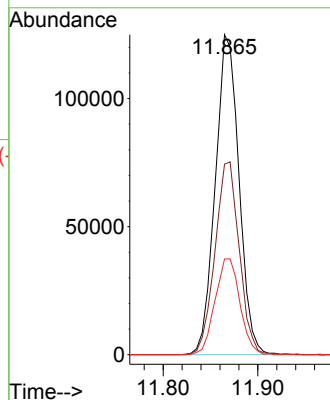
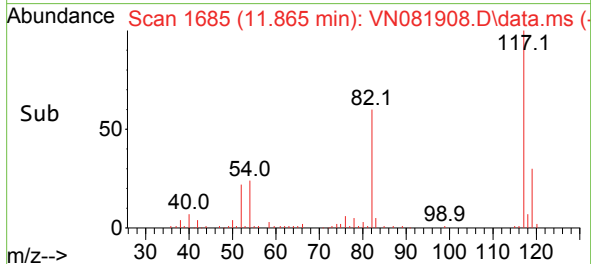


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Instrument :
MSVOA_N
ClientSampleId :

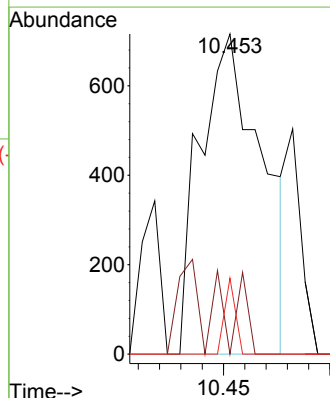
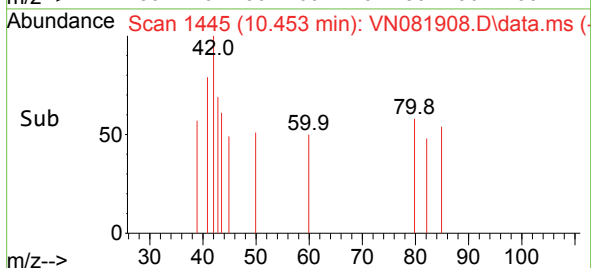
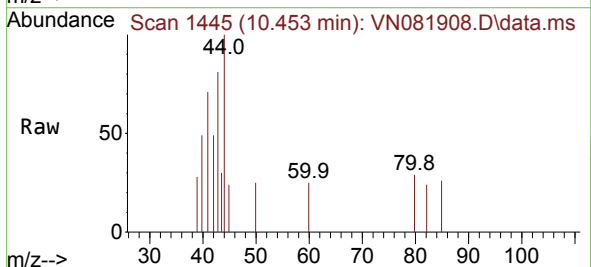


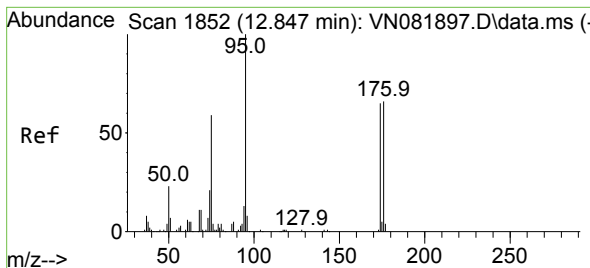
Tgt Ion:117 Resp: 217312
Ion Ratio Lower Upper
117 100
82 61.8 46.6 69.8
119 31.5 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.342 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Tgt Ion: 43 Resp: 1444
Ion Ratio Lower Upper
43 100
58 9.4 36.5 54.7#
85 0.0 19.5 29.3#

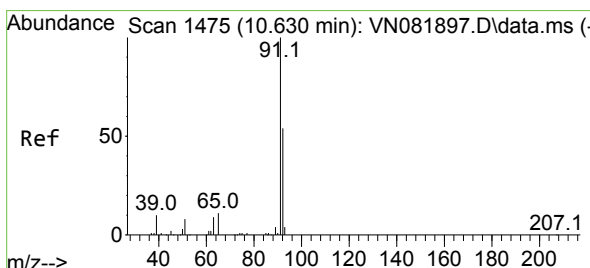
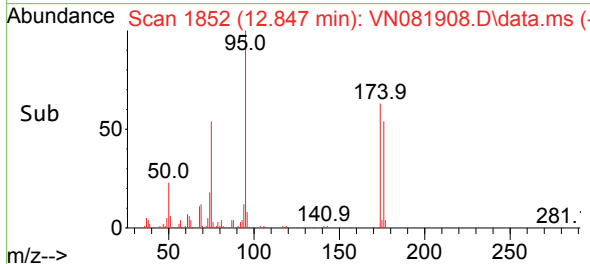
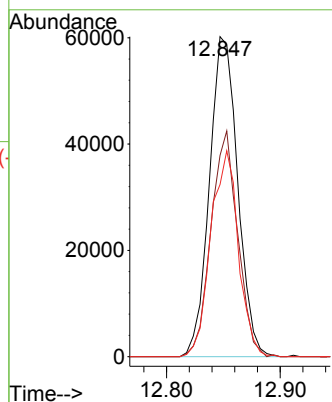
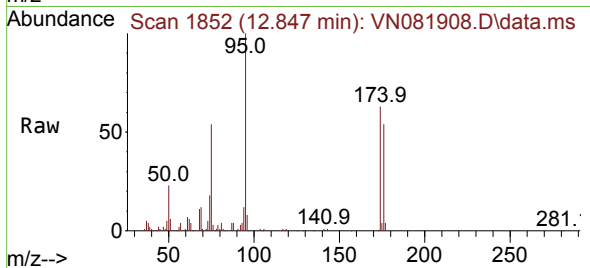




#60
4-Bromofluorobenzene
Concen: 28.805 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

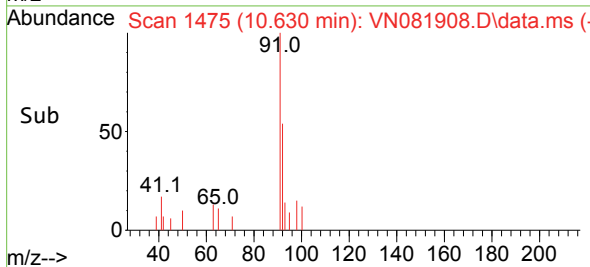
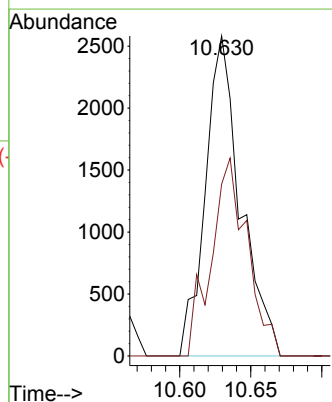
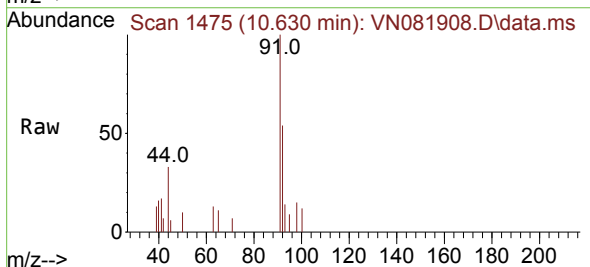
Instrument :
MSVOA_N
ClientSampleId :

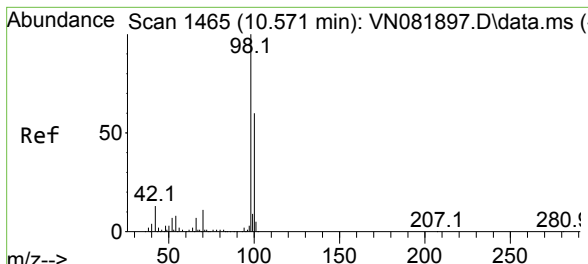
Tgt Ion: 95 Resp: 104174
Ion Ratio Lower Upper
95 100
174 66.5 60.5 90.7
176 62.7 57.8 86.6



#62
Toluene
Concen: 0.365 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Tgt Ion: 91 Resp: 4459
Ion Ratio Lower Upper
91 100
92 63.3 46.5 69.7

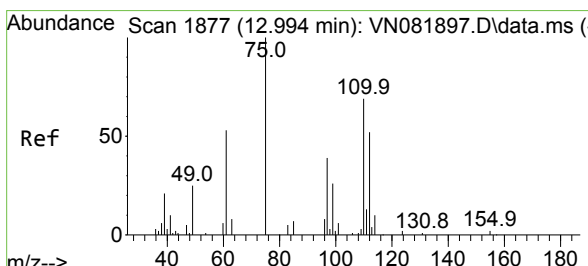
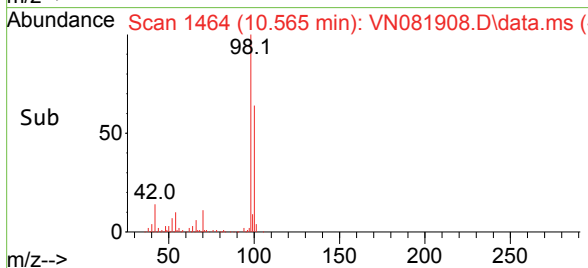
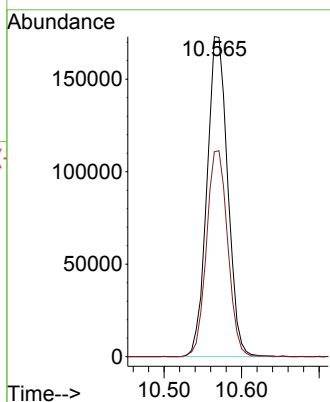
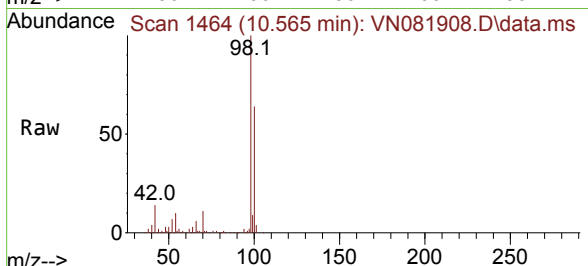




#63
Toluene-d8
Concen: 31.186 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

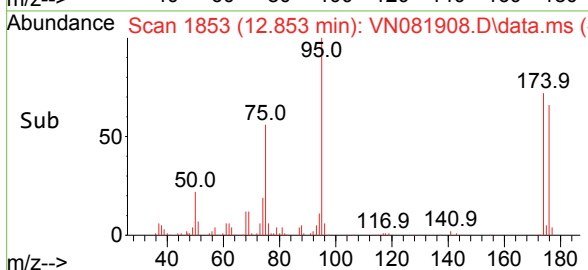
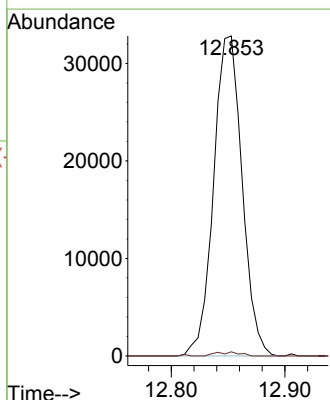
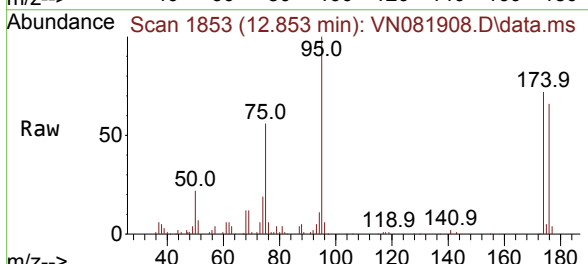
Instrument :
MSVOA_N
ClientSampleId :

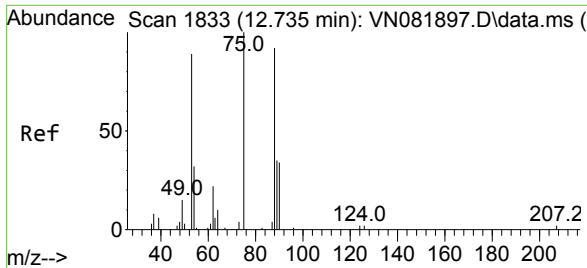
Tgt Ion: 98 Resp: 321845
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 17.016 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

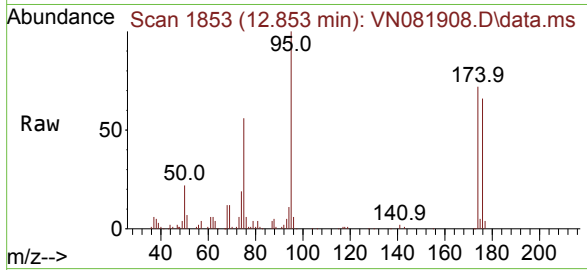
Tgt Ion: 75 Resp: 57161
Ion Ratio Lower Upper
75 100
77 0.5 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 38.229 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN081908.D
Acq: 29 Apr 2024 12:44

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 57161
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

