

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082108.D
 Acq On : 13 May 2024 19:57
 Operator : JC\MD
 Sample : P2463-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240430011-01

Quant Time: May 14 03:36:44 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)

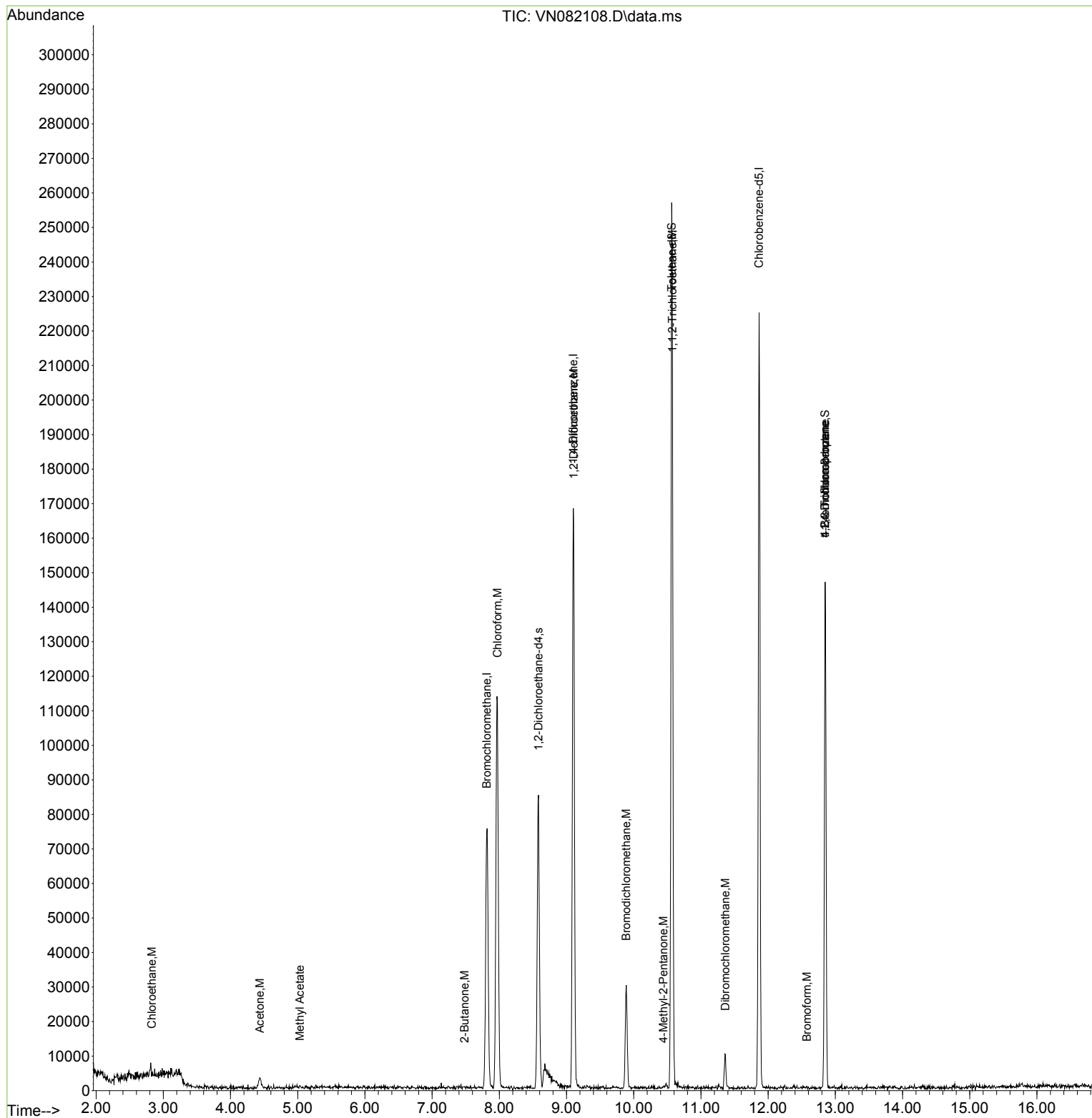
Internal Standards						
1) Bromochloromethane	7.812	128	23578	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	134873	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	115131	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	64477	32.662	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.867%
60) 4-Bromofluorobenzene	12.847	95	49721	25.950	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.500%
63) Toluene-d8	10.565	98	165707	30.307	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.033%
Target Compounds						
					Qvalue	
6) Chloroethane	2.830	64	353	0.425	ug/l	97
12) Methyl Acetate	5.030	43	469	0.260	ug/l #	40
15) Acetone	4.436	58	1628	8.834	ug/l #	39
25) Chloroform	7.971	83	105360	37.000	ug/l	99
30) 2-Butanone	7.483	43	267	0.258	ug/l #	52
36) 1,2-Dichloroethane	9.106	62	5921	2.753	ug/l #	72
41) Bromodichloromethane	9.889	83	19731	8.743	ug/l	92
50) 1,1,2-Trichloroethane	10.577	97	5599	3.908	ug/l #	1
53) Dibromochloromethane	11.365	129	4343	2.786	ug/l	91
56) Bromoform	12.577	173	201	0.212	ug/l #	35
58) 4-Methyl-2-Pentanone	10.441	43	587	0.263	ug/l #	38
72) 1,2,3-Trichloropropane	12.847	75	28779	16.170	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	28779	36.330	ug/l #	12

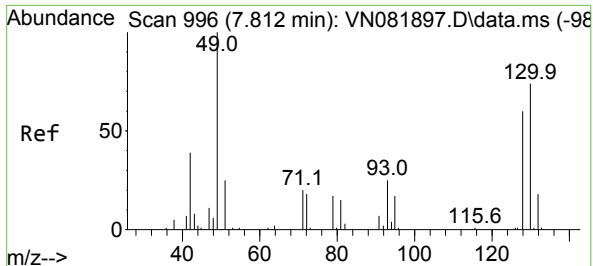
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
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240430011-01

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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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN082108.D

Acq: 13 May 2024 19:57

Instrument :

MSVOA_N

ClientSampleId :

240430011-01

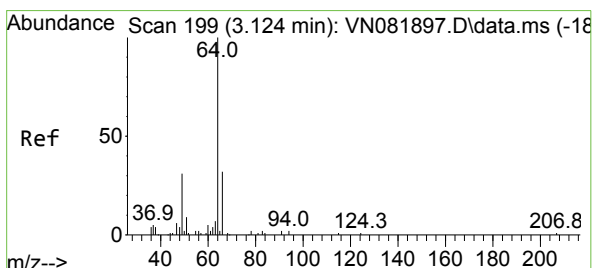
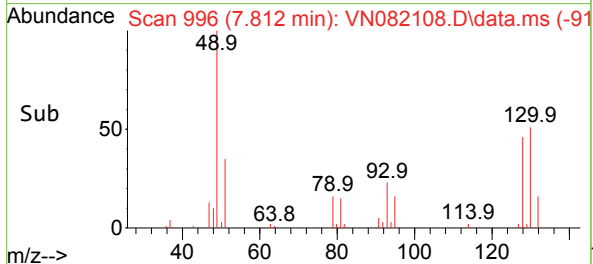
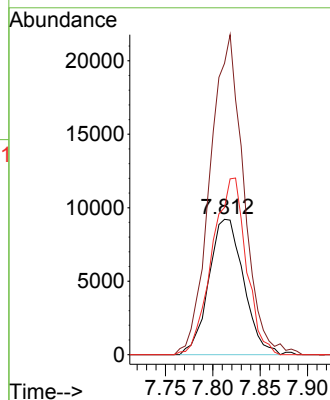
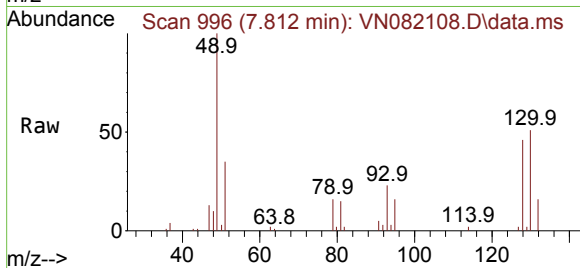
Tgt Ion:128 Resp: 23578

Ion Ratio Lower Upper

128 100

49 227.3 0.0 403.7

130 127.1 0.0 323.3



#6

Chloroethane

Concen: 0.425 ug/l

RT: 2.830 min Scan# 149

Delta R.T. -0.294 min

Lab File: VN082108.D

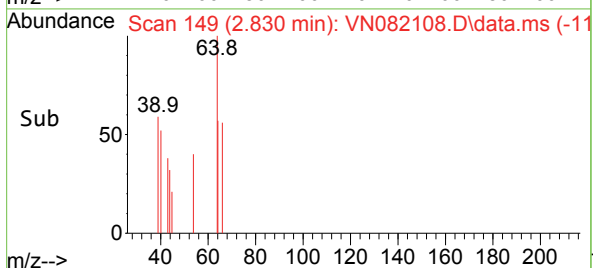
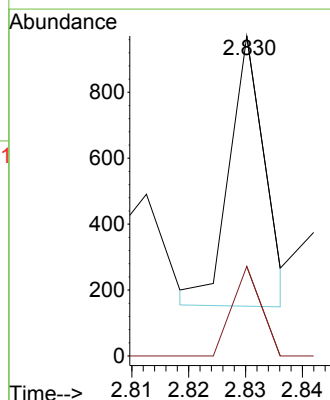
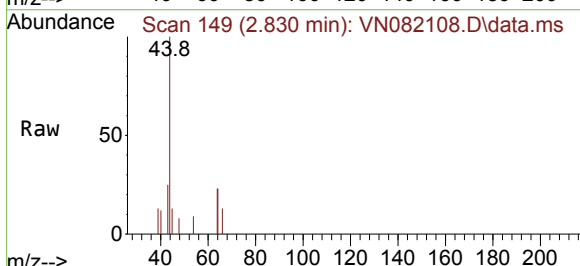
Acq: 13 May 2024 19:57

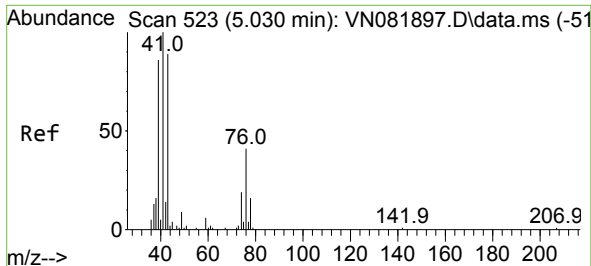
Tgt Ion: 64 Resp: 353

Ion Ratio Lower Upper

64 100

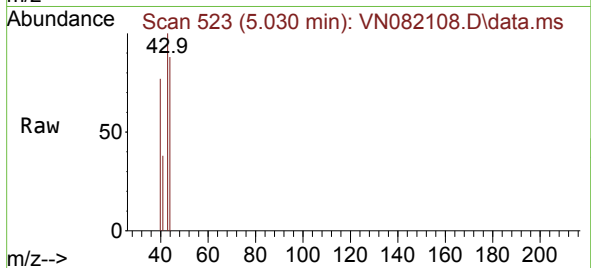
66 35.3 26.7 40.1



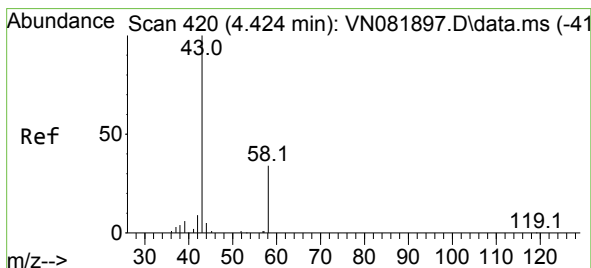
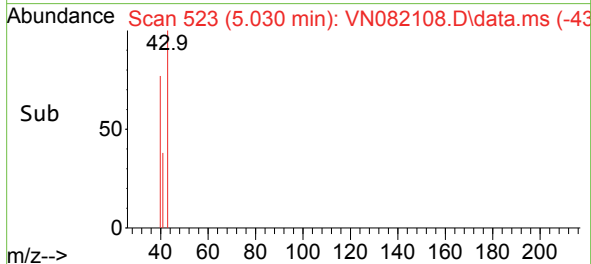
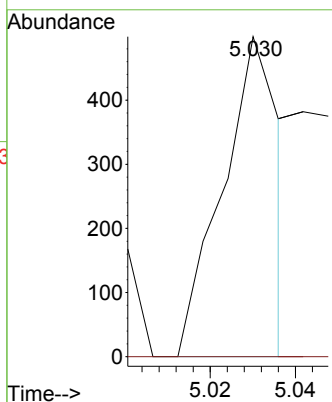


#12
Methyl Acetate
Concen: 0.260 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

Instrument :
MSVOA_N
ClientSampleId :
240430011-01

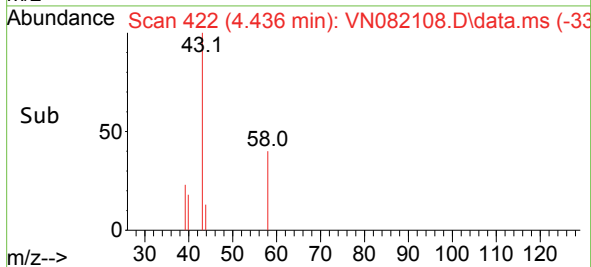
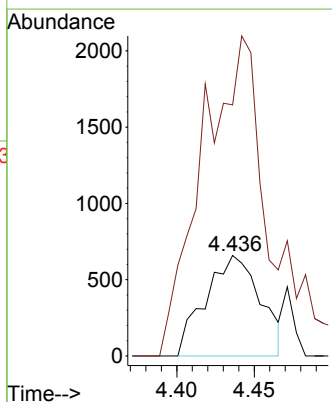
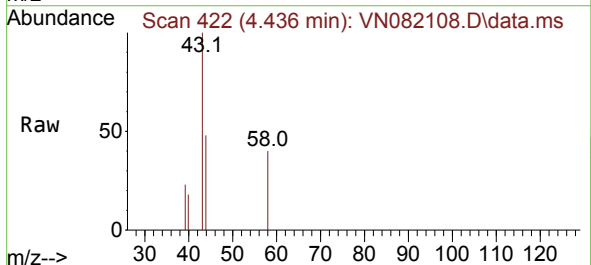


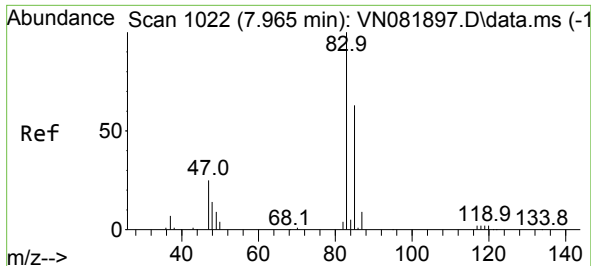
Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
74 0.0 27.7 41.5#



#15
Acetone
Concen: 8.834 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

Tgt Ion: 58 Resp: 1628
Ion Ratio Lower Upper
58 100
43 164.2 223.1 334.7#

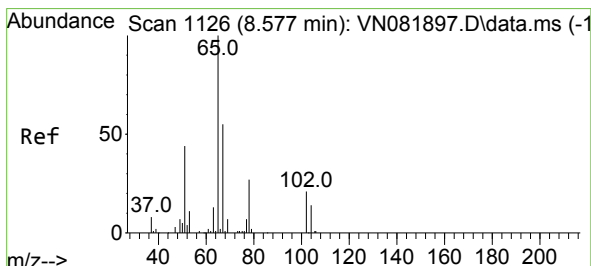
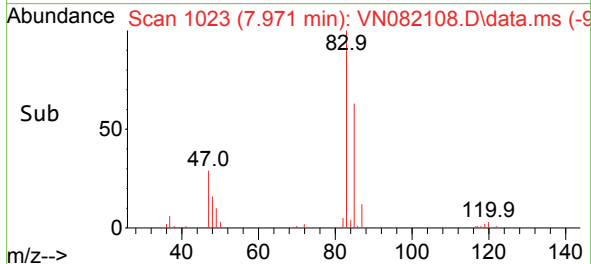
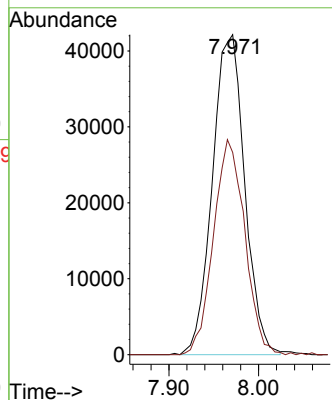
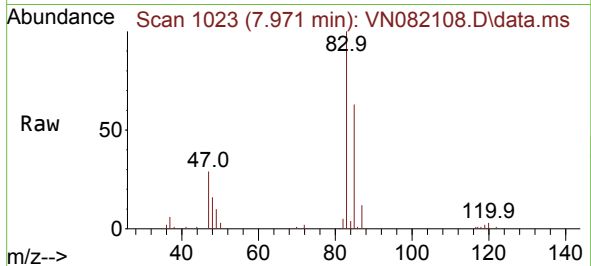




#25
Chloroform
Concen: 37.000 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

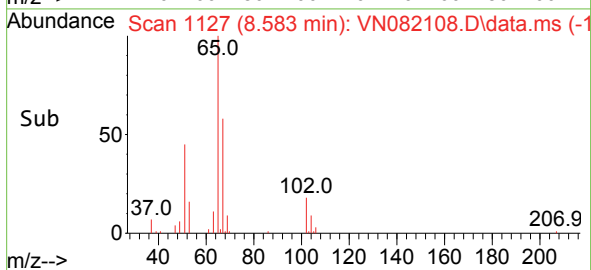
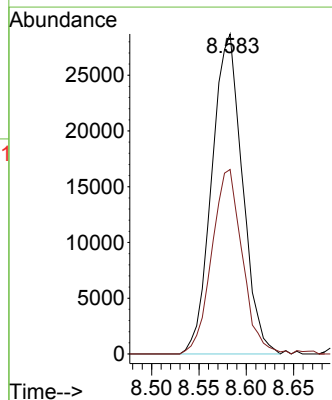
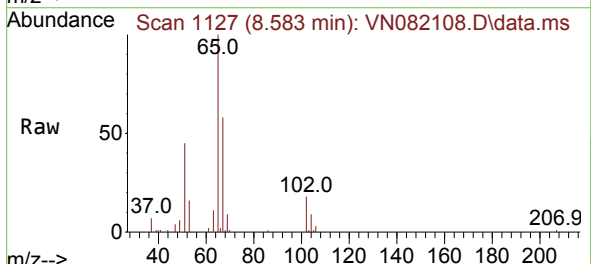
Instrument :
MSVOA_N
ClientSampleId :
240430011-01

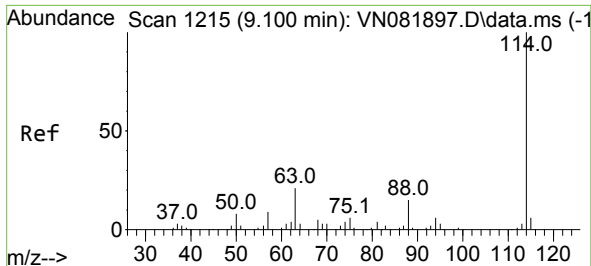
Tgt Ion: 83 Resp: 105360
Ion Ratio Lower Upper
83 100
85 63.2 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 32.662 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

Tgt Ion: 65 Resp: 64477
Ion Ratio Lower Upper
65 100
67 57.5 43.2 64.8

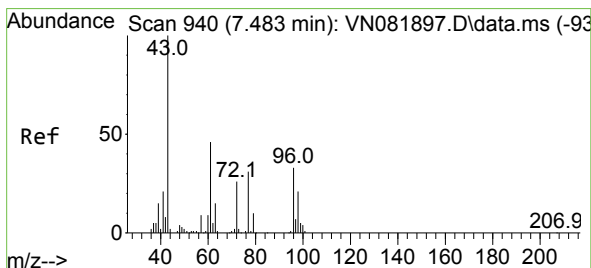
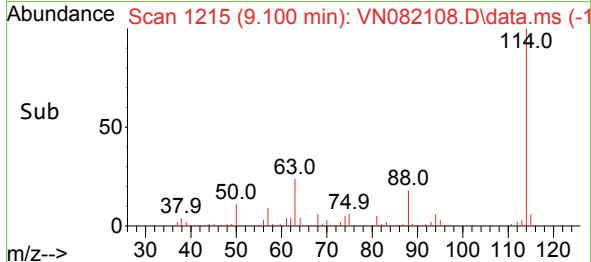
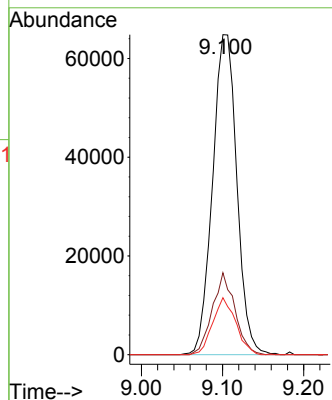
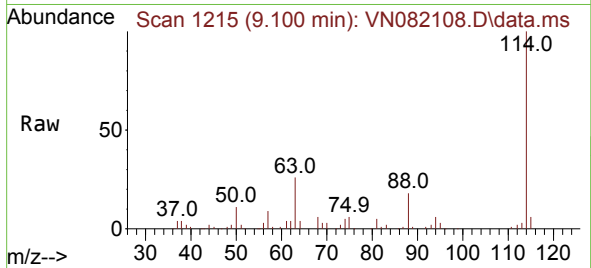




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

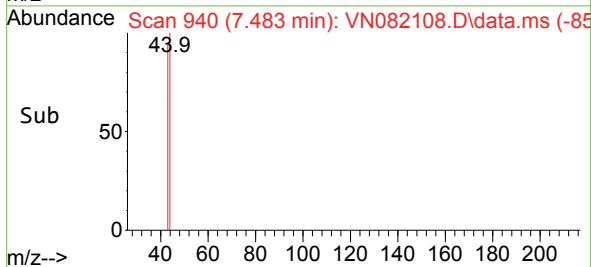
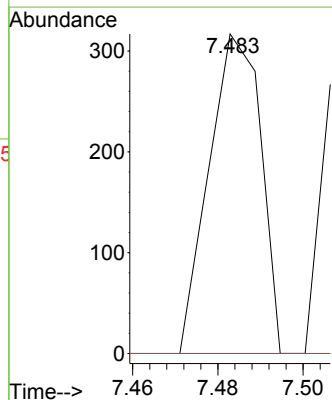
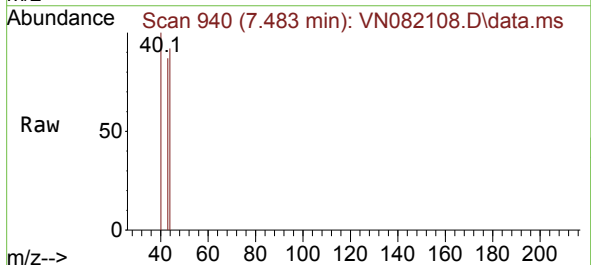
Instrument :
MSVOA_N
ClientSampleId :
240430011-01

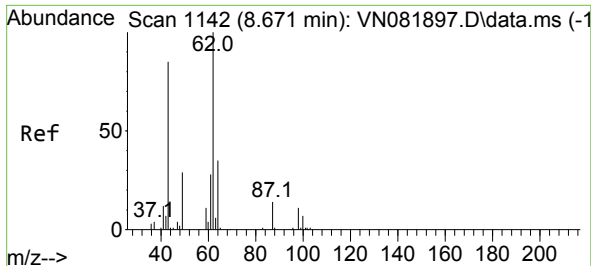
Tgt Ion:114 Resp: 134873
Ion Ratio Lower Upper
114 100
63 23.8 15.9 23.9
88 16.9 12.7 19.1



#30
2-Butanone
Concen: 0.258 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#





#36

1,2-Dichloroethane

Concen: 2.753 ug/l

RT: 9.106 min Scan# 1142

Delta R.T. 0.435 min

Lab File: VN082108.D

Acq: 13 May 2024 19:57

Instrument :

MSVOA_N

ClientSampleId :

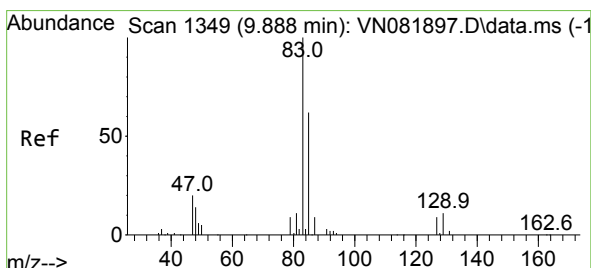
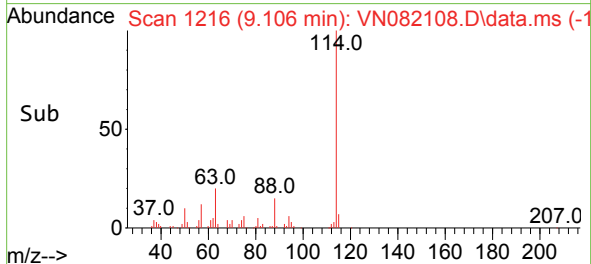
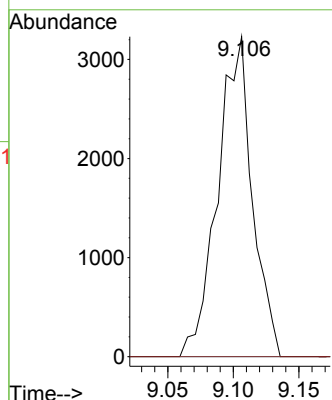
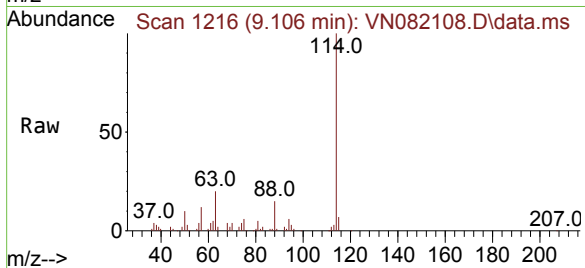
240430011-01

Tgt Ion: 62 Resp: 5921

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#41

Bromodichloromethane

Concen: 8.743 ug/l

RT: 9.889 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN082108.D

Acq: 13 May 2024 19:57

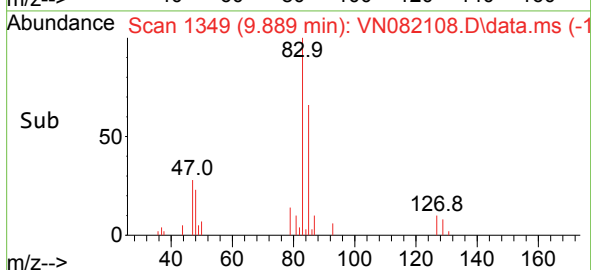
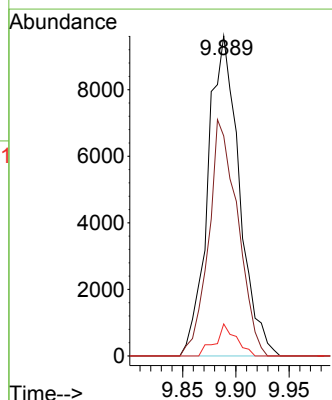
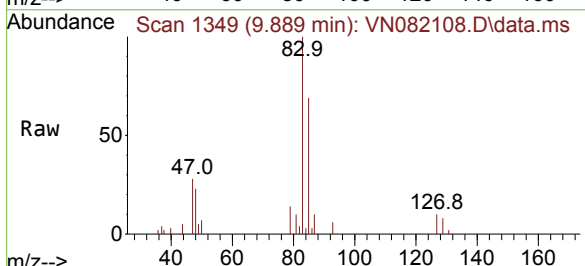
Tgt Ion: 83 Resp: 19731

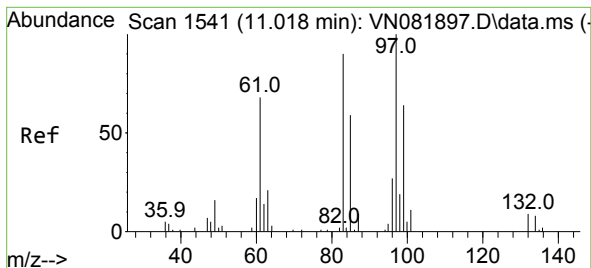
Ion Ratio Lower Upper

83 100

85 68.7 49.4 74.2

127 10.0 7.3 10.9





#50

1,1,2-Trichloroethane

Concen: 3.908 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN082108.D

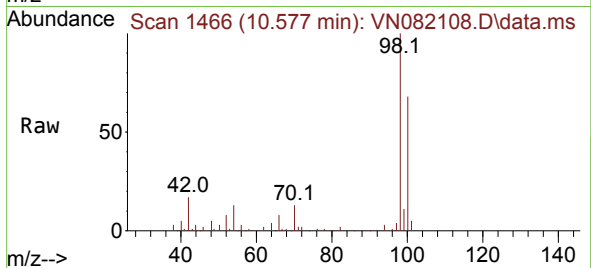
Acq: 13 May 2024 19:57

Instrument :

MSVOA_N

ClientSampleId :

240430011-01



Tgt Ion: 97 Resp: 5599

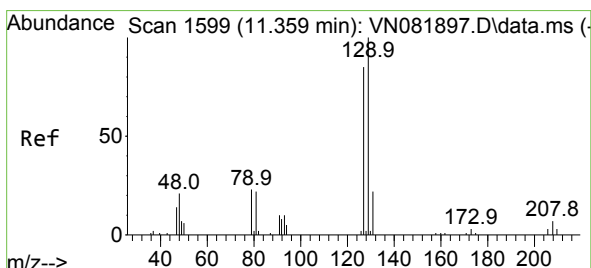
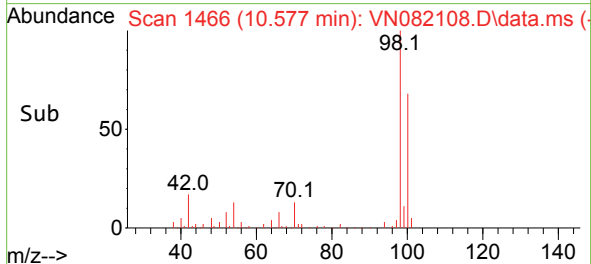
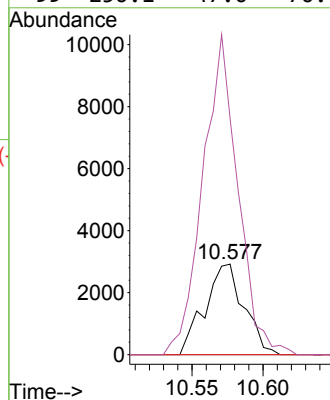
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 250.1 47.0 70.4#



#53

Dibromochloromethane

Concen: 2.786 ug/l

RT: 11.365 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VN082108.D

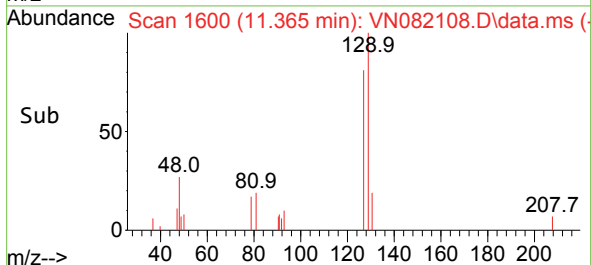
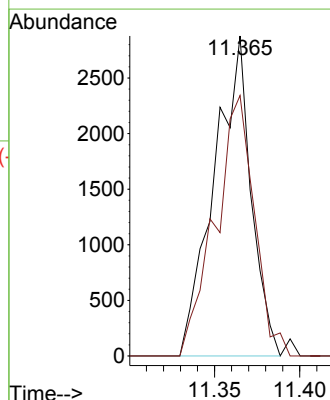
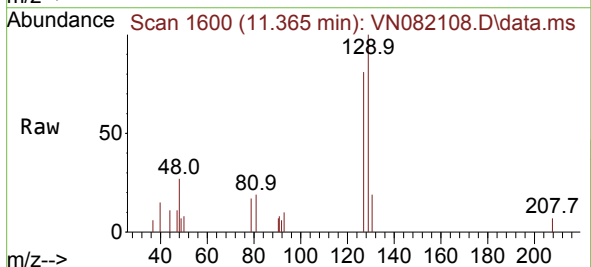
Acq: 13 May 2024 19:57

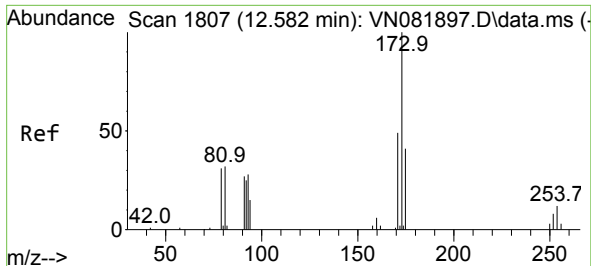
Tgt Ion:129 Resp: 4343

Ion Ratio Lower Upper

129 100

127 86.3 39.4 118.1

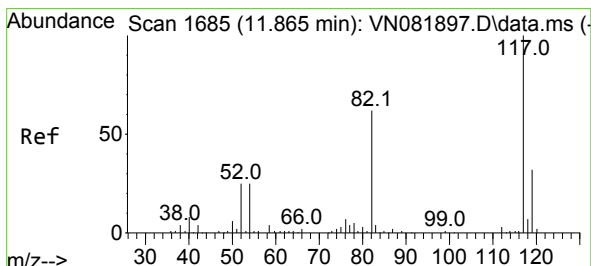
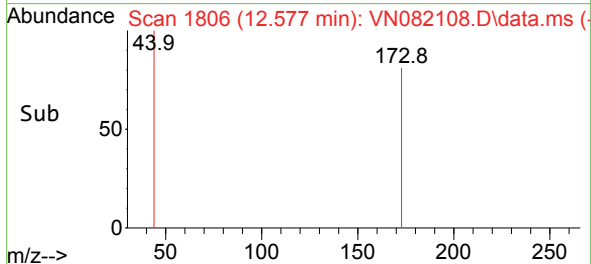
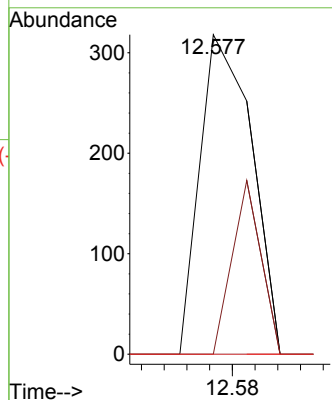
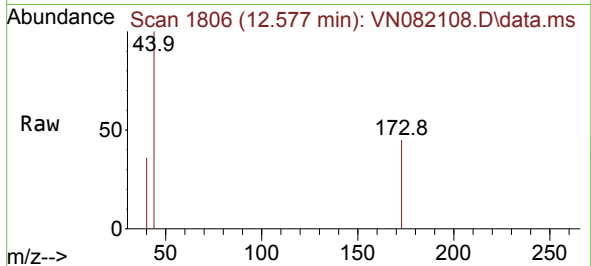




#56
Bromoform
Concen: 0.212 ug/l
RT: 12.577 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

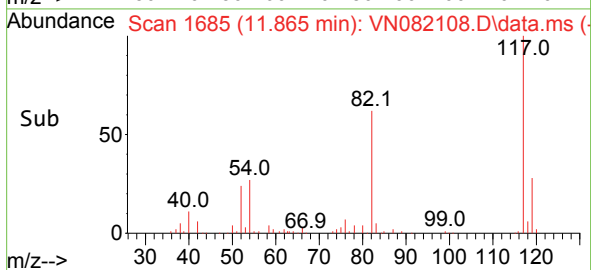
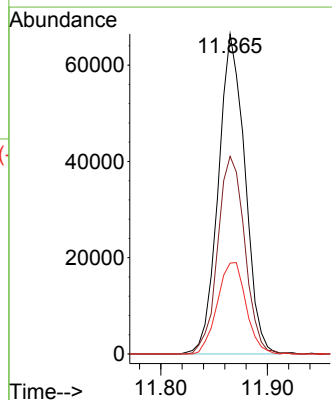
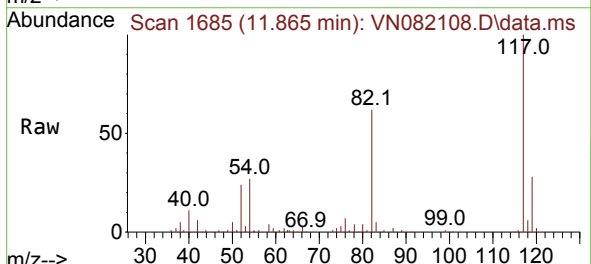
Instrument :
MSVOA_N
ClientSampleId :
240430011-01

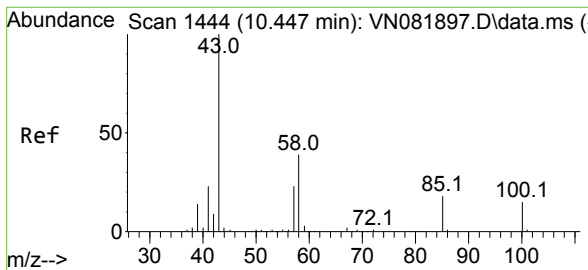
Tgt Ion:173 Resp: 201
Ion Ratio Lower Upper
173 100
175 0.0 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

Tgt Ion:117 Resp: 115131
Ion Ratio Lower Upper
117 100
82 62.9 46.6 69.8
119 30.8 25.4 38.2

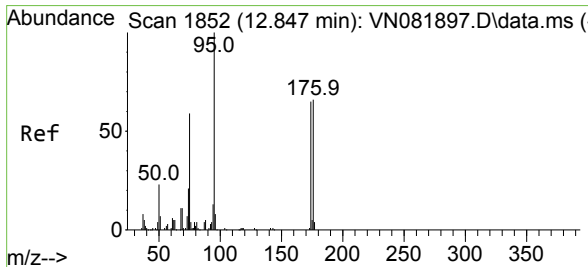
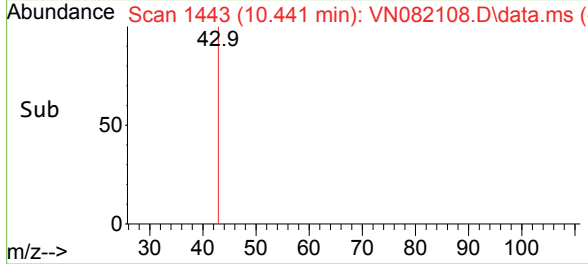
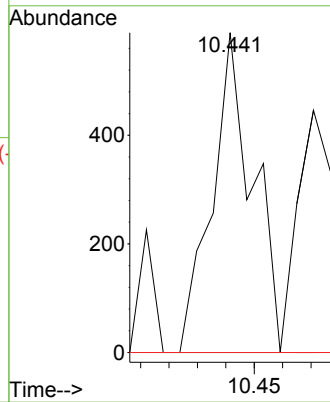
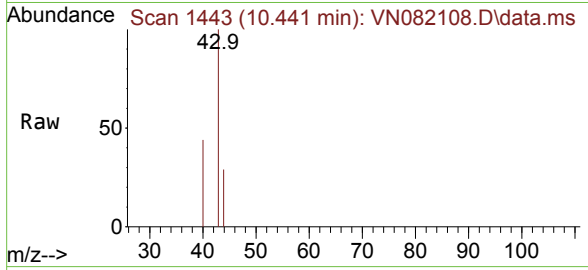




#58
 4-Methyl-2-Pentanone
 Concen: 0.263 ug/l
 RT: 10.441 min Scan# 1443
 Delta R.T. -0.006 min
 Lab File: VN082108.D
 Acq: 13 May 2024 19:57

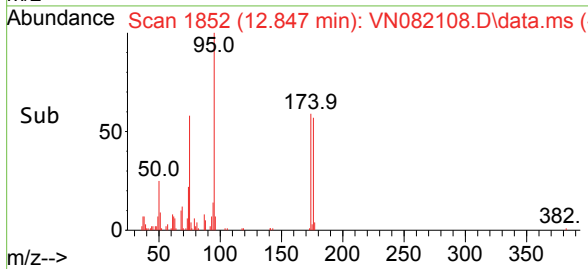
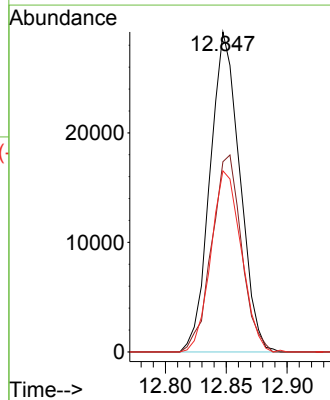
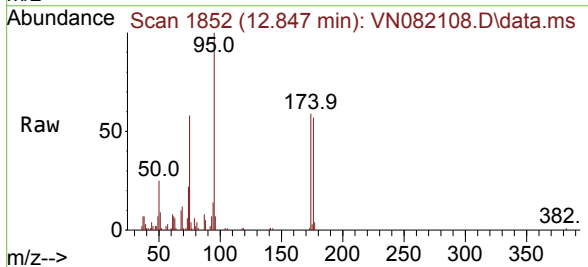
Instrument :
 MSVOA_N
 ClientSampleId :
 240430011-01

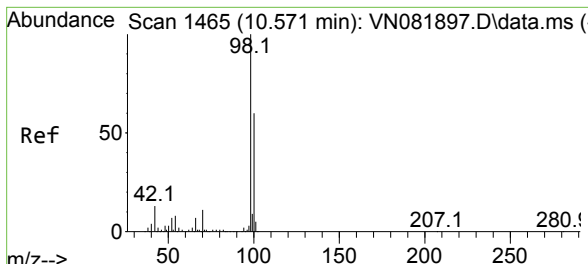
Tgt Ion:	43	Resp:	587
Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.5	54.7#
85	0.0	19.5	29.3#



#60
 4-Bromofluorobenzene
 Concen: 25.950 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN082108.D
 Acq: 13 May 2024 19:57

Tgt Ion:	95	Resp:	49721
Ion	Ratio	Lower	Upper
95	100		
174	61.7	60.5	90.7
176	57.7	57.8	86.6#

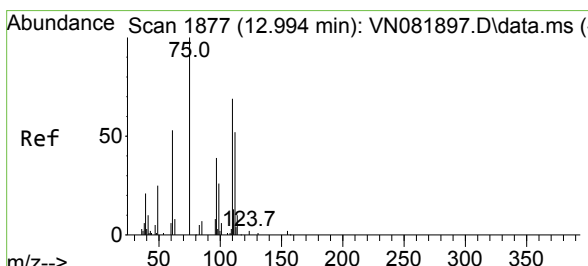
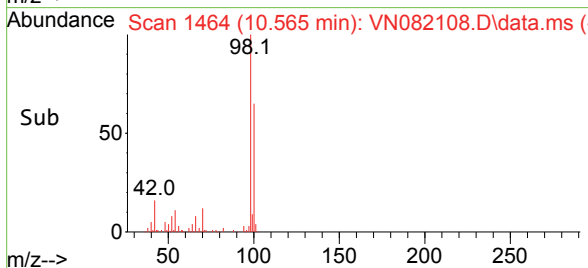
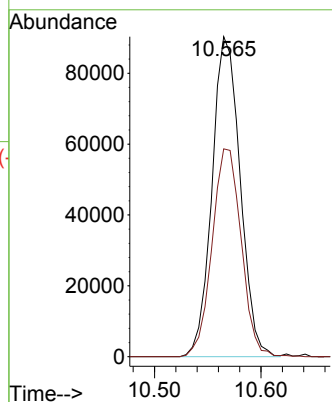
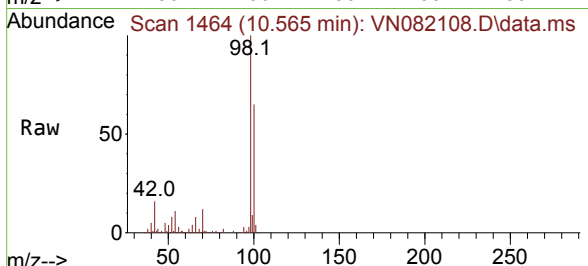




#63
Toluene-d8
Concen: 30.307 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

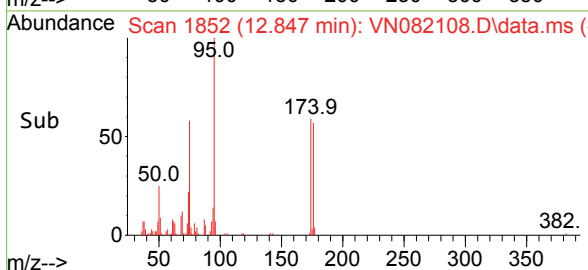
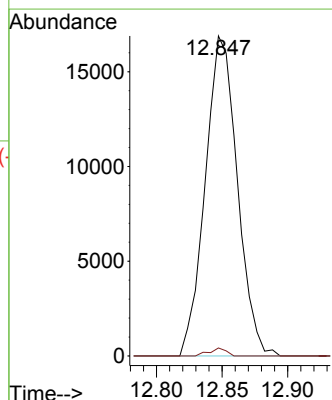
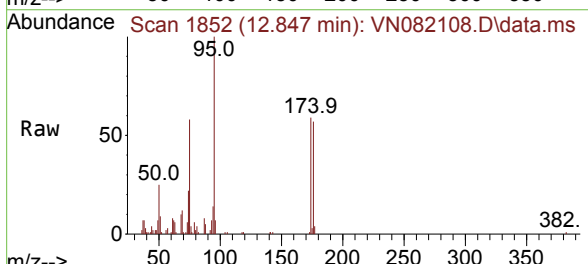
Instrument : MSVOA_N
ClientSampleId : 240430011-01

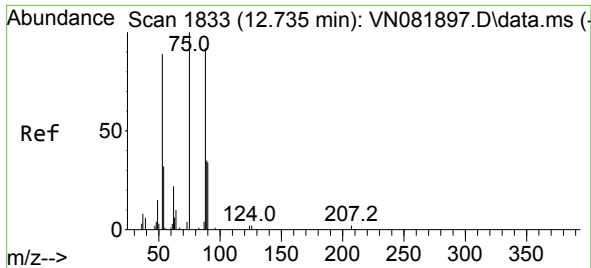
Tgt Ion: 98 Resp: 165707
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

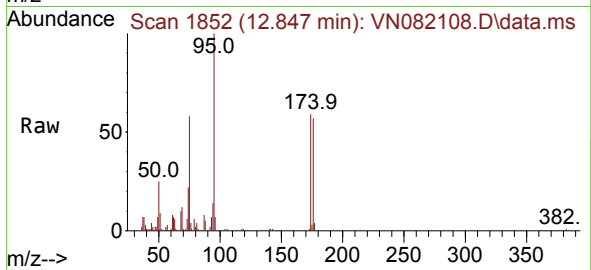
Tgt Ion: 75 Resp: 28779
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 36.330 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082108.D
Acq: 13 May 2024 19:57

Instrument :
MSVOA_N
ClientSampleId :
240430011-01



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

