

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082091.D
 Acq On : 13 May 2024 13:10
 Operator : JC\MD
 Sample : P2425-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240507034-02

Quant Time: May 14 03:31:39 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)

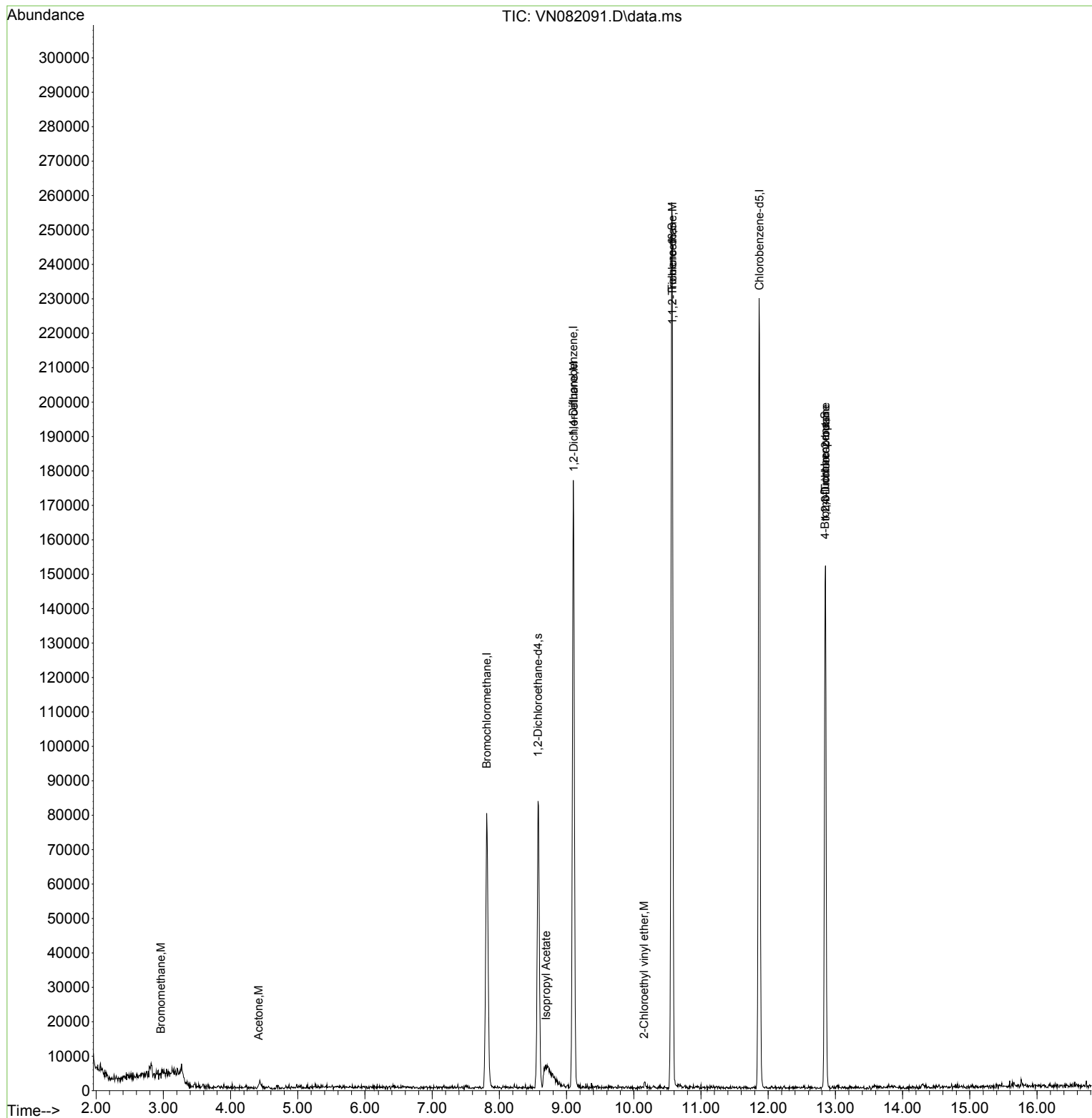
Internal Standards						
1) Bromochloromethane	7.812	128	23179	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	135937	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.871	117	120641	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	61171	31.521	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.067%	
60) 4-Bromofluorobenzene	12.847	95	53522	26.658	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 88.867%	
63) Toluene-d8	10.571	98	175707	30.668	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.233%	
Target Compounds						Qvalue
5) Bromomethane	2.965	94	170	0.226	ug/l	# 4
15) Acetone	4.418	58	295	1.628	ug/l	# 1
36) 1,2-Dichloroethane	9.106	62	5507	2.541	ug/l	# 72
44) Isopropyl Acetate	8.694	43	1350	0.334	ug/l	# 43
50) 1,1,2-Trichloroethane	10.577	97	5730	3.969	ug/l	# 1
55) 2-Chloroethyl vinyl ether	10.153	63	502	0.368	ug/l	# 57
72) 1,2,3-Trichloropropane	12.853	75	29760	15.958	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.853	75	29760	35.853	ug/l	# 12

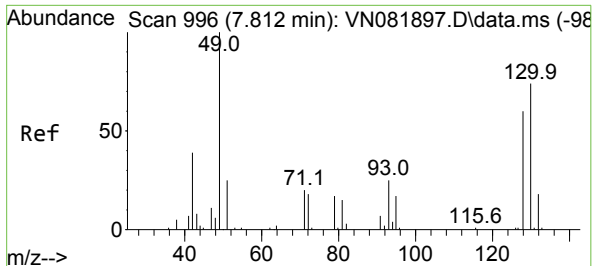
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN082091.D

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Instrument :

MSVOA_N

ClientSampleId :

240507034-02

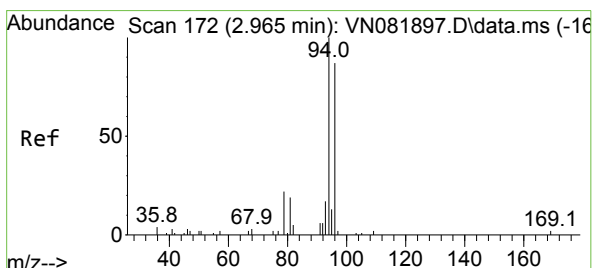
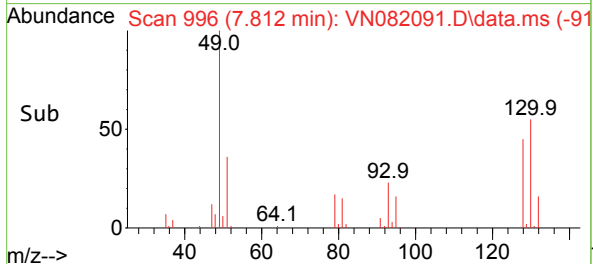
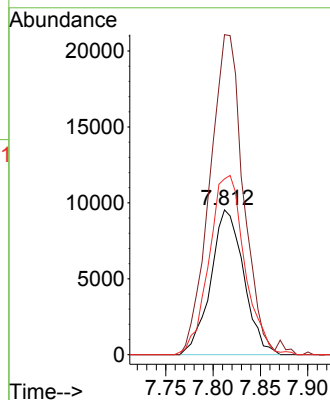
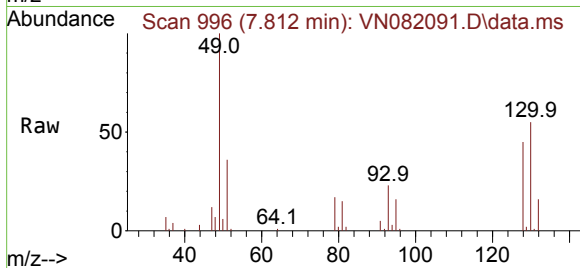
Tgt Ion:128 Resp: 23179

Ion Ratio Lower Upper

128 100

49 223.4 0.0 403.7

130 133.0 0.0 323.3



#5

Bromomethane

Concen: 0.226 ug/l

RT: 2.965 min Scan# 172

Delta R.T. -0.000 min

Lab File: VN082091.D

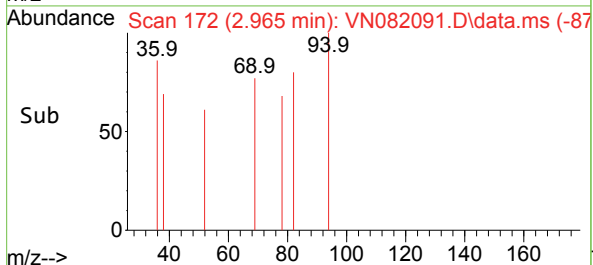
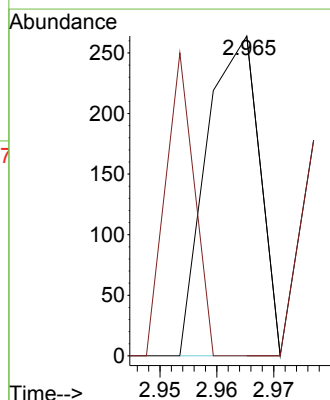
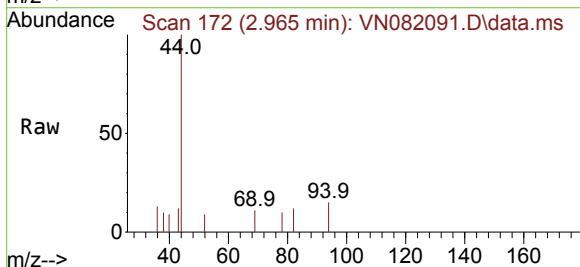
Acq: 13 May 2024 13:10

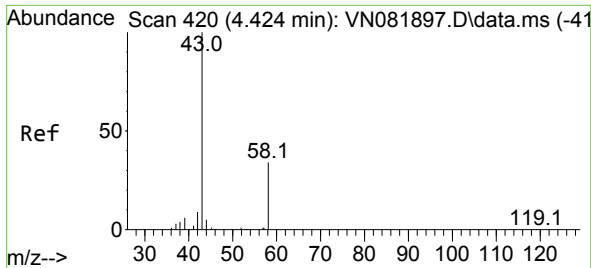
Tgt Ion: 94 Resp: 170

Ion Ratio Lower Upper

94 100

96 0.0 72.8 109.2#

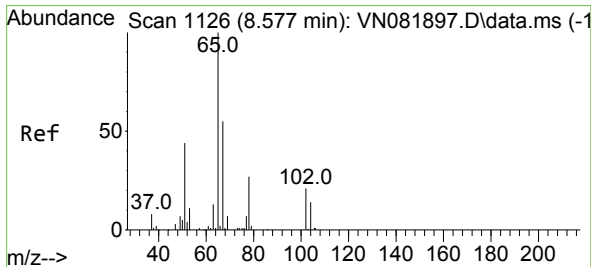
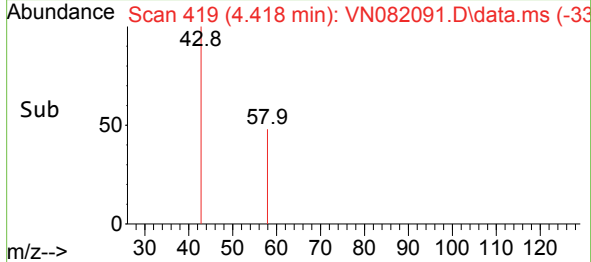
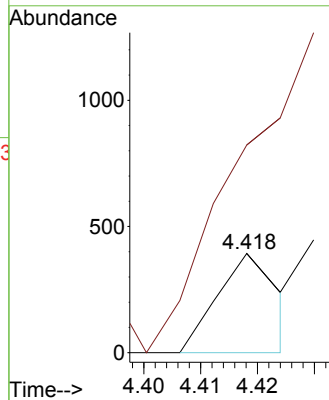
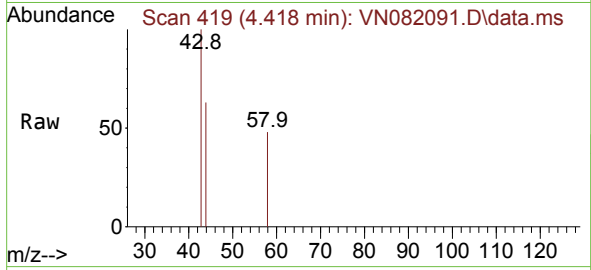




#15
Acetone
Concen: 1.628 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

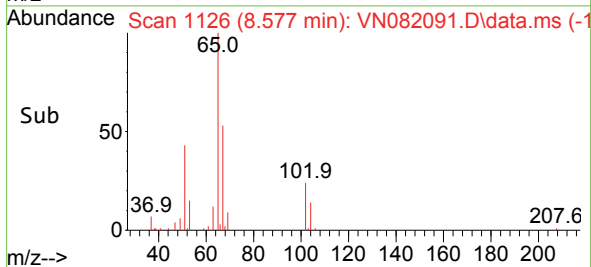
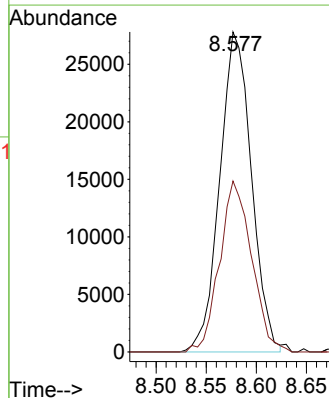
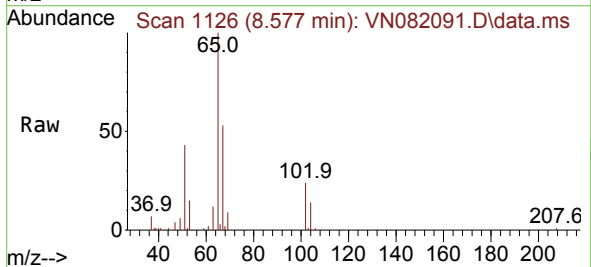
Instrument :
MSVOA_N
ClientSampleId :
240507034-02

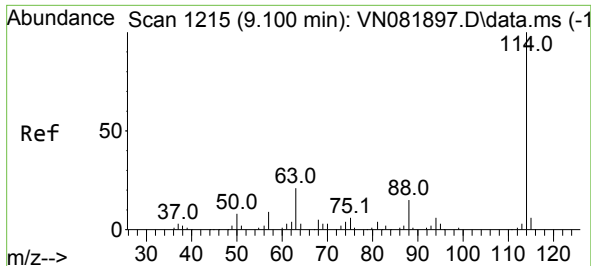
Tgt Ion: 58 Resp: 295
Ion Ratio Lower Upper
58 100
43 53.2 223.1 334.7#



#27
1,2-Dichloroethane-d4
Concen: 31.521 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

Tgt Ion: 65 Resp: 61171
Ion Ratio Lower Upper
65 100
67 54.1 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082091.D

Acq: 13 May 2024 13:10

Instrument :

MSVOA_N

ClientSampleId :

240507034-02

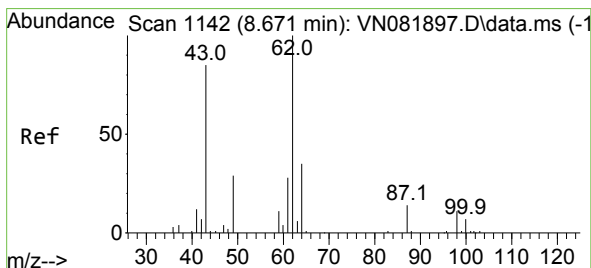
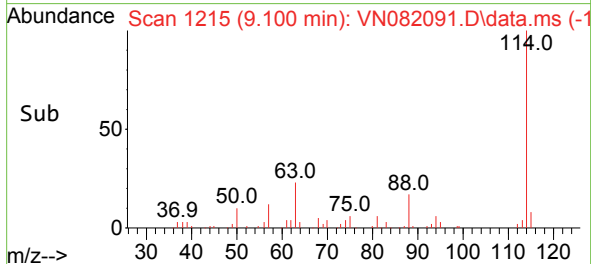
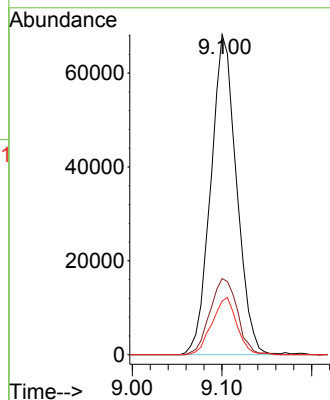
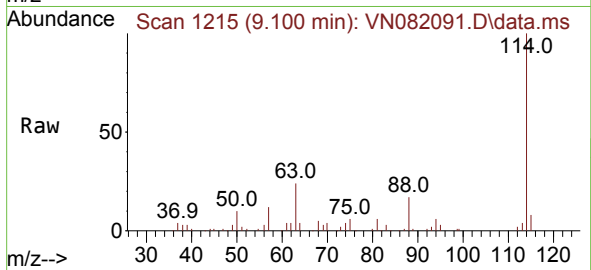
Tgt Ion:114 Resp: 135937

Ion Ratio Lower Upper

114 100

63 25.3 15.9 23.9#

88 17.1 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.541 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN082091.D

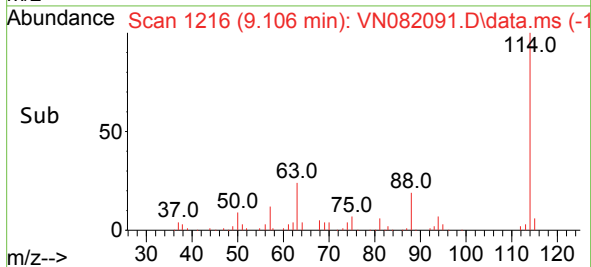
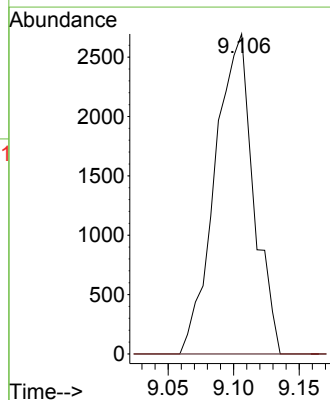
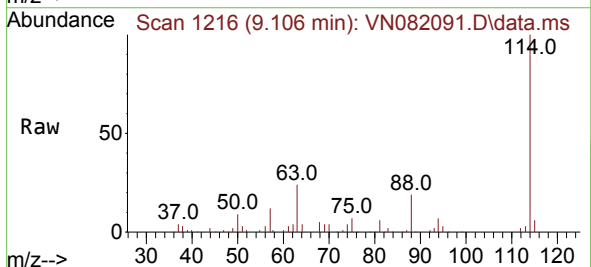
Acq: 13 May 2024 13:10

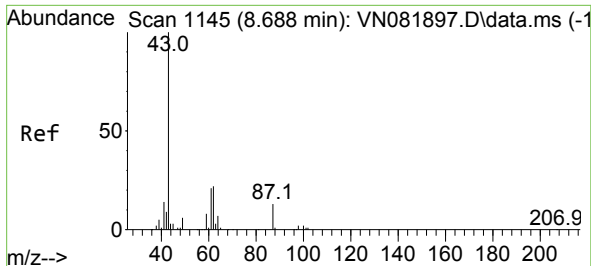
Tgt Ion: 62 Resp: 5507

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

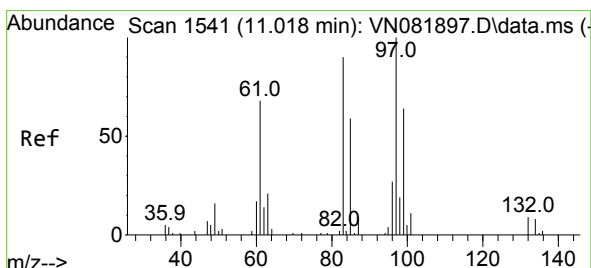
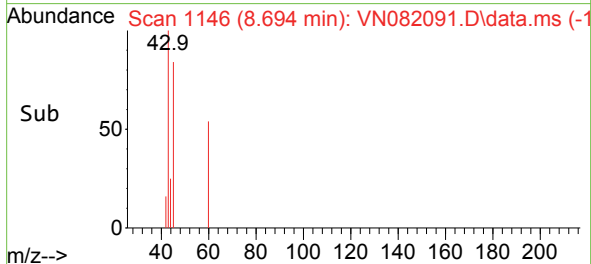
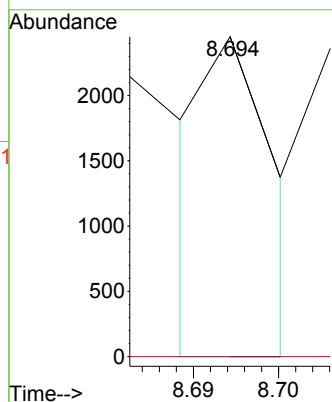
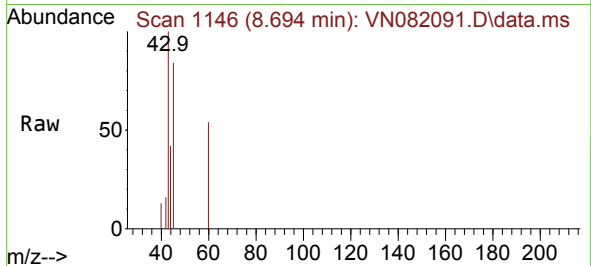




#44
Isopropyl Acetate
Concen: 0.334 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

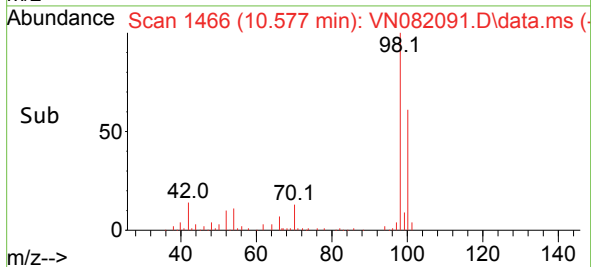
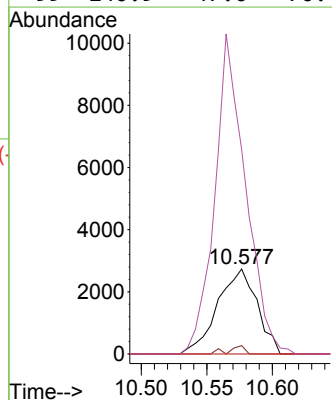
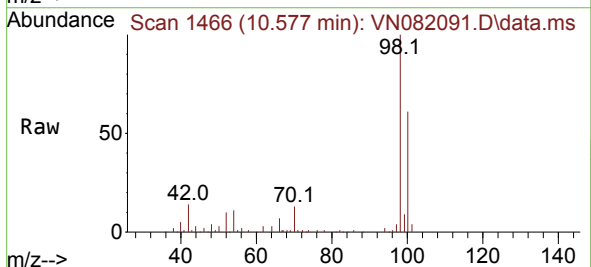
Instrument :
MSVOA_N
ClientSampleId :
240507034-02

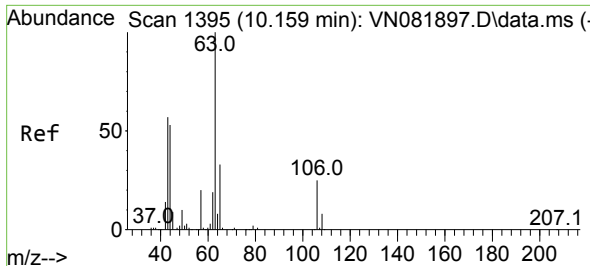
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#



#50
1,1,2-Trichloroethane
Concen: 3.969 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

Tgt Ion: 97 Resp: 5730
Ion Ratio Lower Upper
97 100
83 9.9 68.1 102.1#
85 0.0 41.8 62.6#
99 240.9 47.0 70.4#

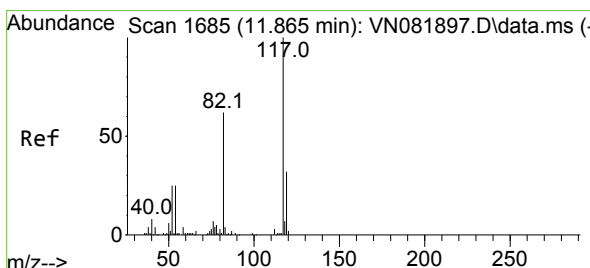
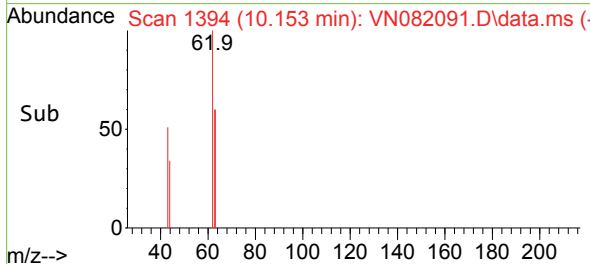
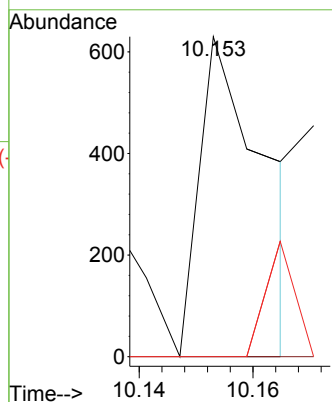
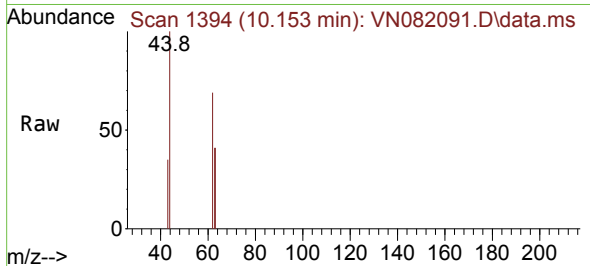




#55
2-Chloroethyl vinyl ether
Concen: 0.368 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

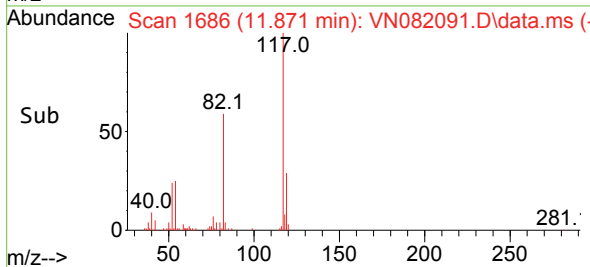
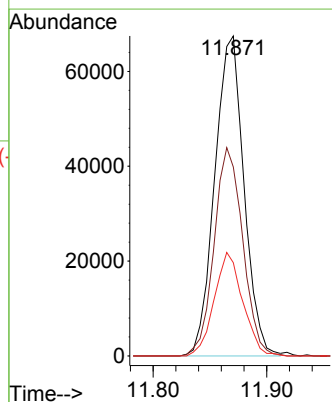
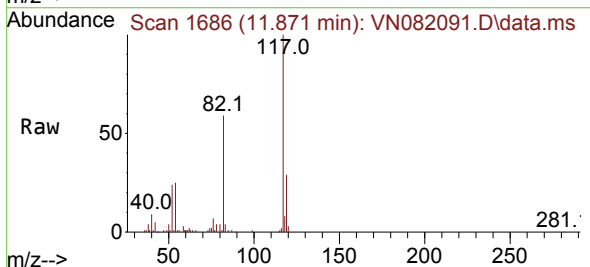
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ClientSampleId :
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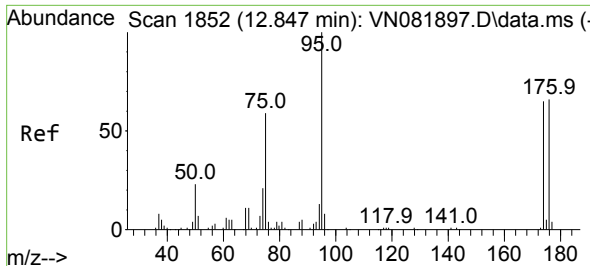
Tgt Ion: 63 Resp: 502
Ion Ratio Lower Upper
63 100
65 0.0 26.2 39.2#
106 15.9 23.8 35.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

Tgt Ion: 117 Resp: 120641
Ion Ratio Lower Upper
117 100
82 63.8 46.6 69.8
119 31.6 25.4 38.2

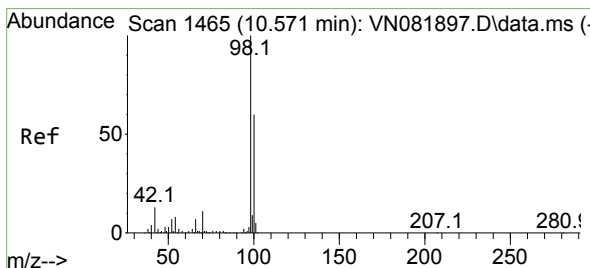
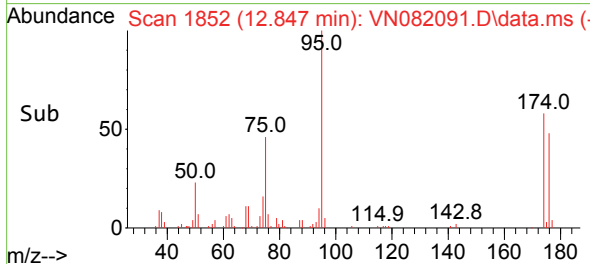
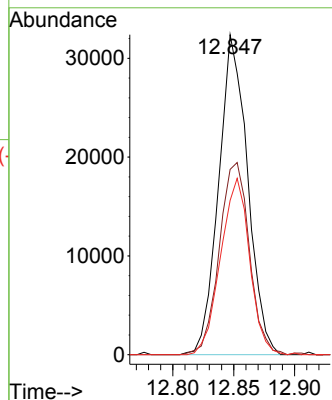
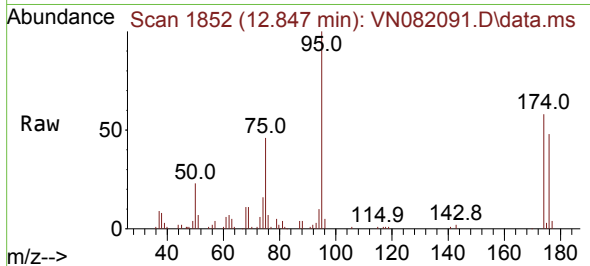




#60
4-Bromofluorobenzene
Concen: 26.658 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

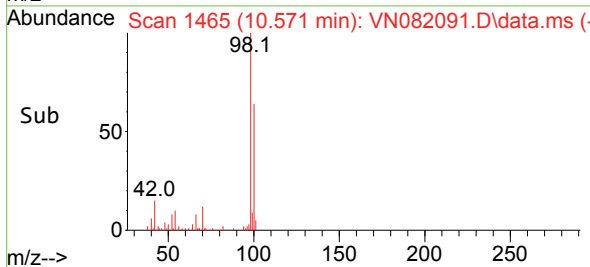
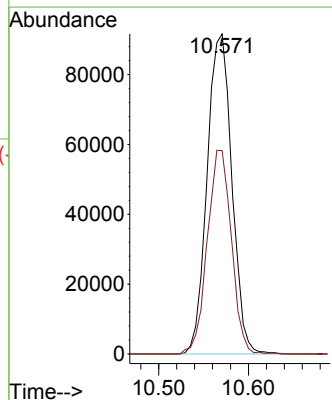
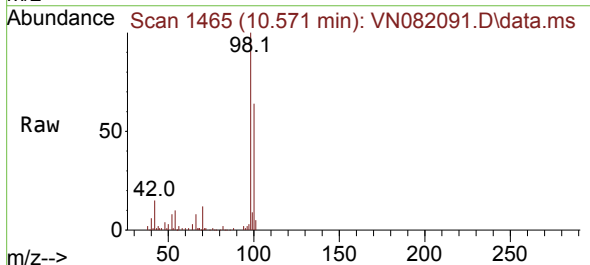
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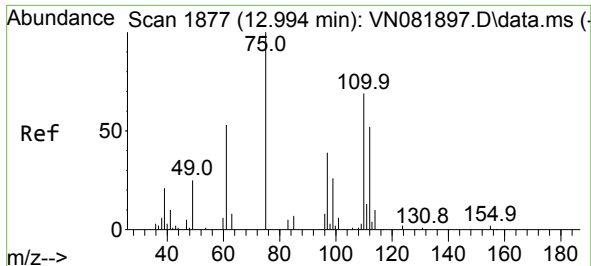
Tgt Ion: 95 Resp: 53522
Ion Ratio Lower Upper
95 100
174 62.5 60.5 90.7
176 55.2 57.8 86.6#



#63
Toluene-d8
Concen: 30.668 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

Tgt Ion: 98 Resp: 175707
Ion Ratio Lower Upper
98 100
100 61.9 52.7 79.1

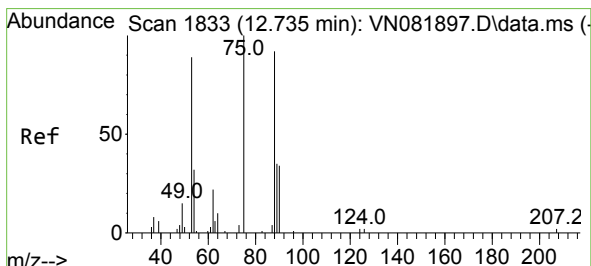
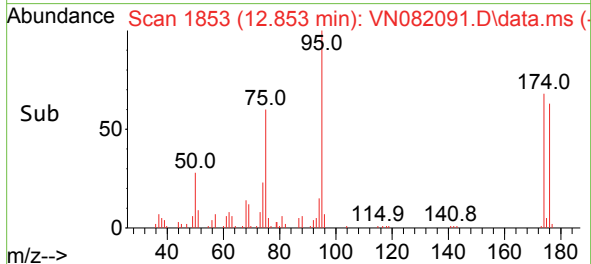
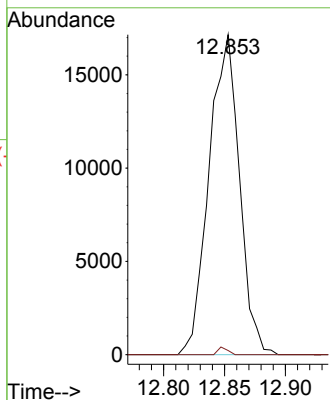
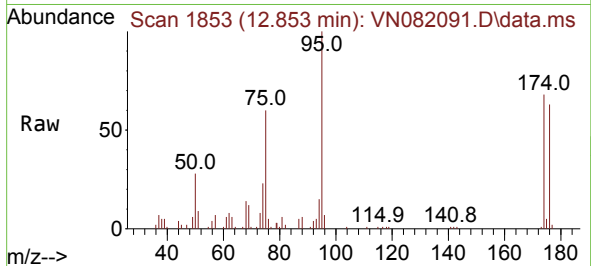




#72
1,2,3-Trichloropropane
Concen: 15.958 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

Instrument :
MSVOA_N
ClientSampleId :
240507034-02

Tgt Ion: 75 Resp: 29760
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 35.853 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082091.D
Acq: 13 May 2024 13:10

Tgt Ion: 75 Resp: 29760
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

