

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082034.D
 Acq On : 08 May 2024 18:01
 Operator : JC\MD
 Sample : P2425-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240507034-02

Quant Time: May 09 01:05:06 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)

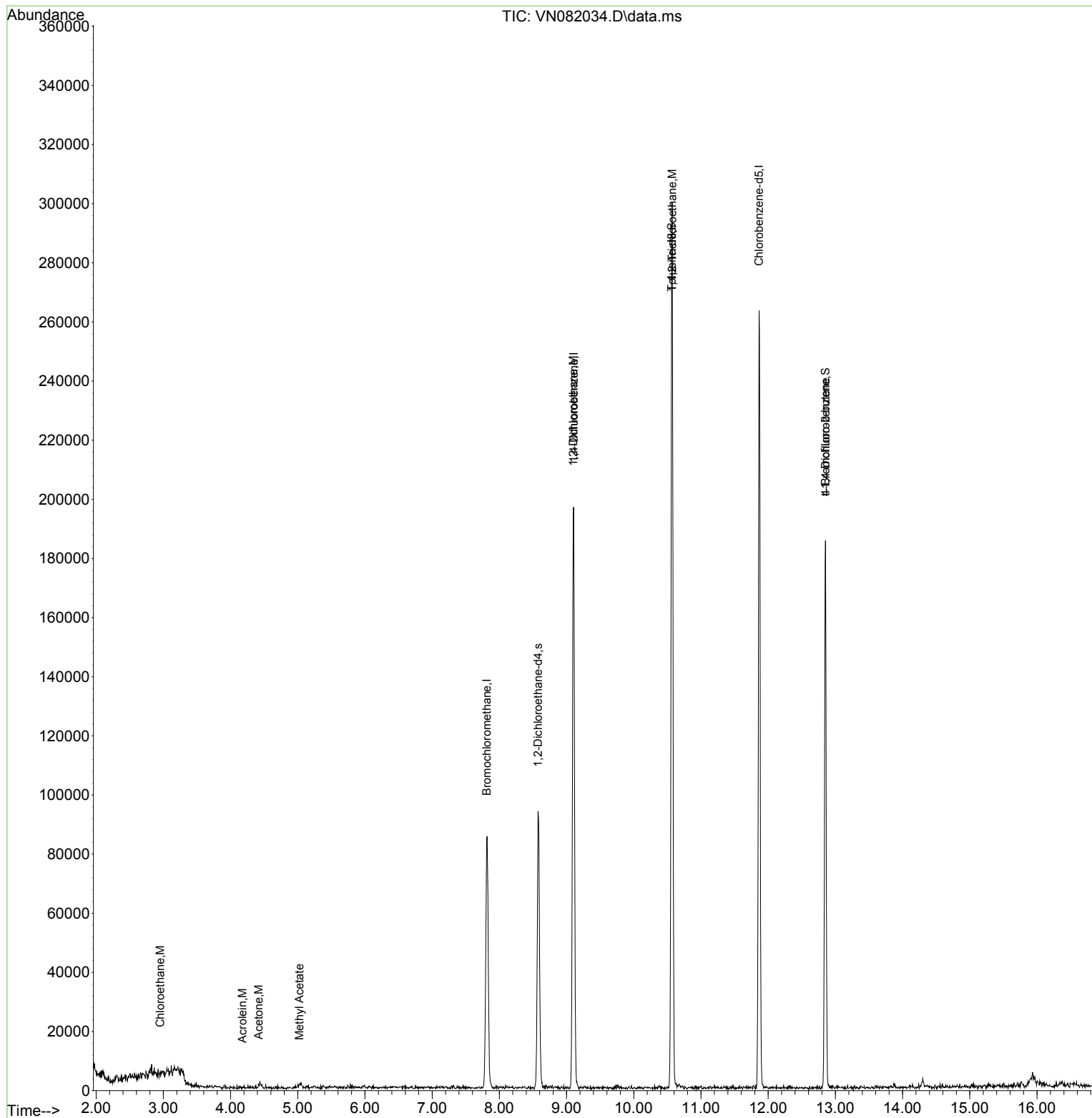
Internal Standards						
1) Bromochloromethane	7.812	128	26707	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	164433	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	139910	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	74337	33.245	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.800%#
60) 4-Bromofluorobenzene	12.853	95	62502	26.843	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.467%
63) Toluene-d8	10.565	98	205340	30.904	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.000%
Target Compounds						
					Qvalue	
6) Chloroethane	2.953	64	390	0.415	ug/l	94
12) Methyl Acetate	5.024	43	1868	0.915	ug/l #	86
13) Acrolein	4.177	56	121	0.279	ug/l #	15
15) Acetone	4.418	58	173	0.829	ug/l #	1
36) 1,2-Dichloroethane	9.100	62	6598	2.517	ug/l #	72
50) 1,1,2-Trichloroethane	10.570	97	6836	3.914	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	38352	39.840	ug/l #	12

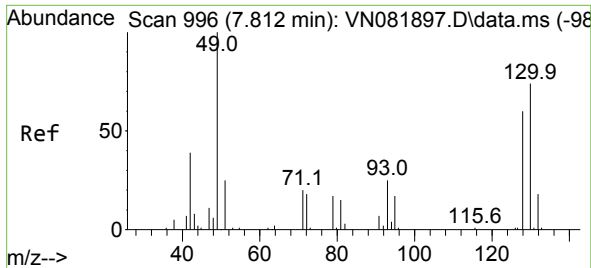
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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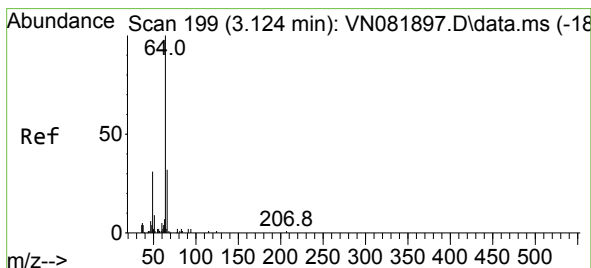
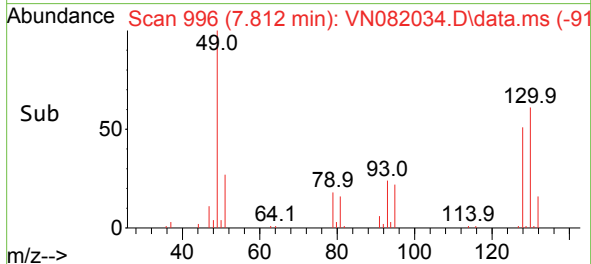
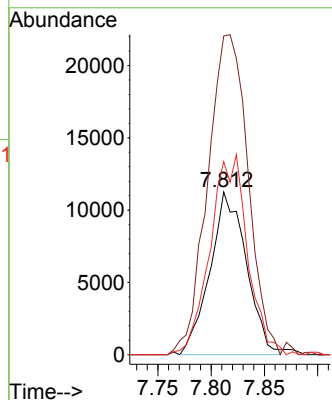
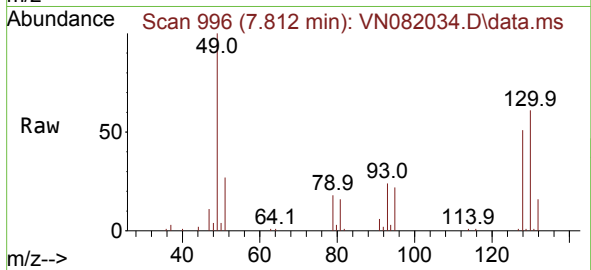




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082034.D
Acq: 08 May 2024 18:01

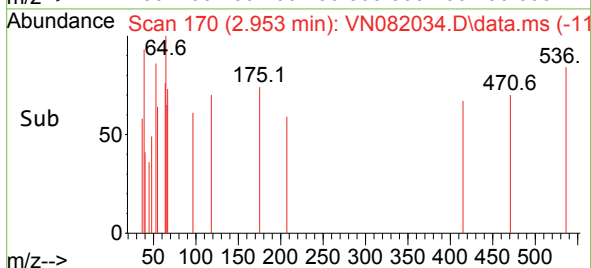
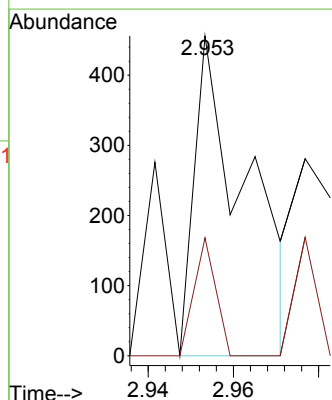
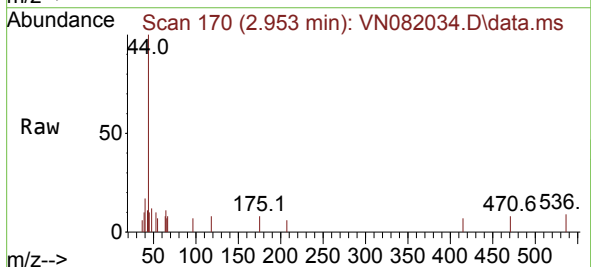
Instrument :
MSVOA_N
ClientSampleId :
240507034-02

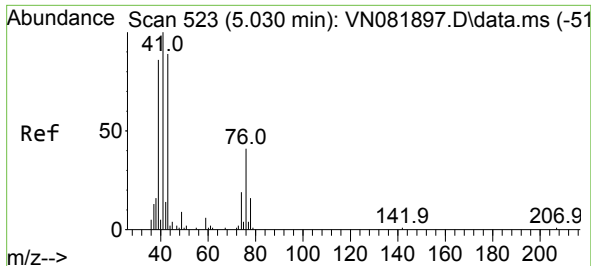
Tgt Ion:128 Resp: 26707
Ion Ratio Lower Upper
128 100
49 218.2 0.0 403.7
130 74.3 0.0 323.3



#6
Chloroethane
Concen: 0.415 ug/l
RT: 2.953 min Scan# 170
Delta R.T. -0.171 min
Lab File: VN082034.D
Acq: 08 May 2024 18:01

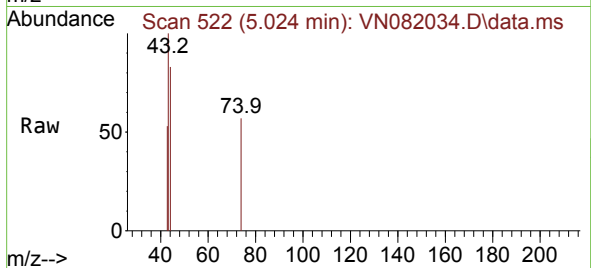
Tgt Ion: 64 Resp: 390
Ion Ratio Lower Upper
64 100
66 36.8 26.7 40.1



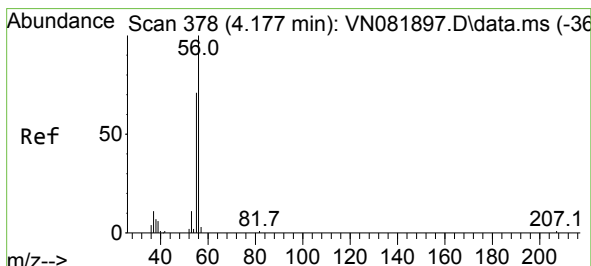
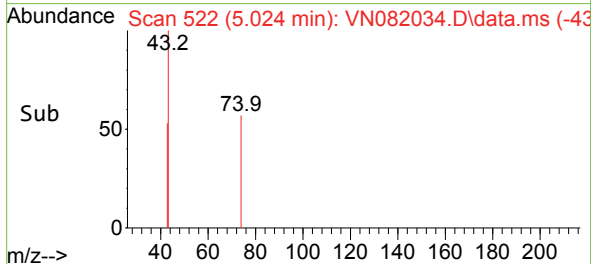
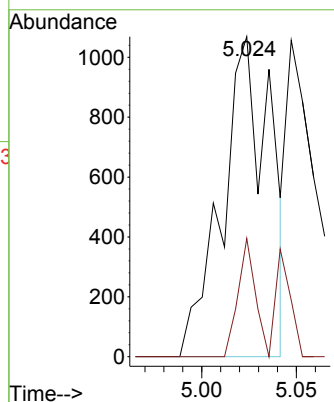


#12
Methyl Acetate
Concen: 0.915 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082034.D
Acq: 08 May 2024 18:01

Instrument :
MSVOA_N
ClientSampleId :
240507034-02

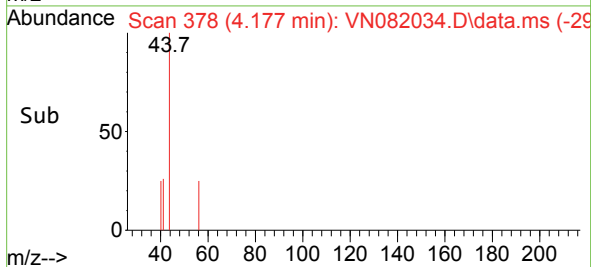
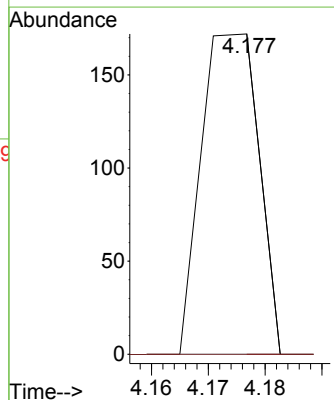
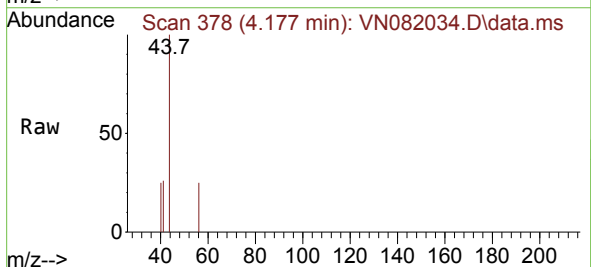


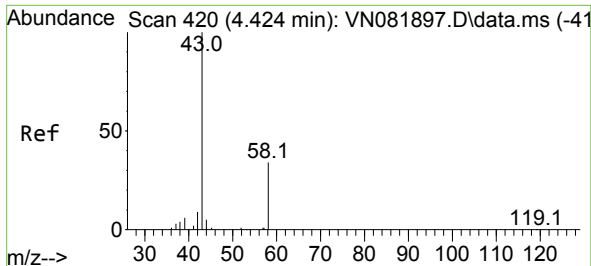
Tgt Ion: 43 Resp: 1868
Ion Ratio Lower Upper
43 100
74 26.8 27.7 41.5#



#13
Acrolein
Concen: 0.279 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN082034.D
Acq: 08 May 2024 18:01

Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#15

Acetone

Concen: 0.829 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN082034.D

Acq: 08 May 2024 18:01

Instrument :

MSVOA_N

ClientSampleId :

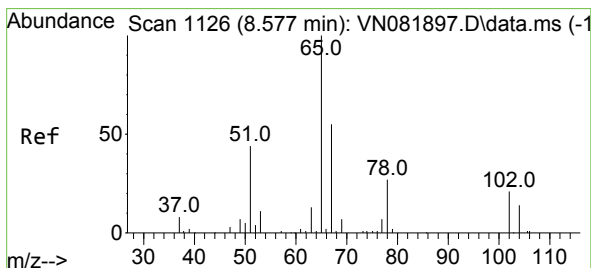
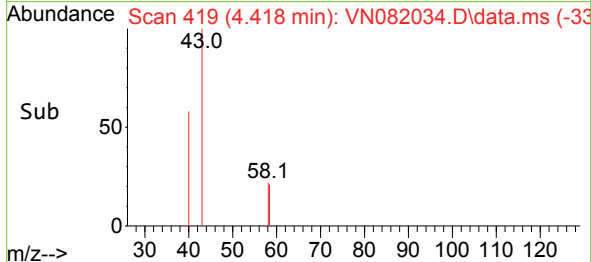
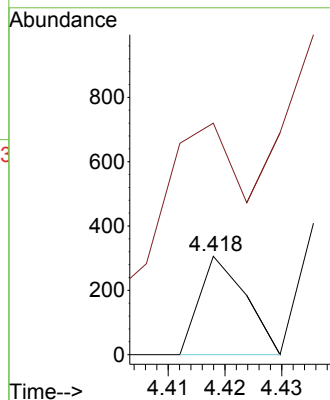
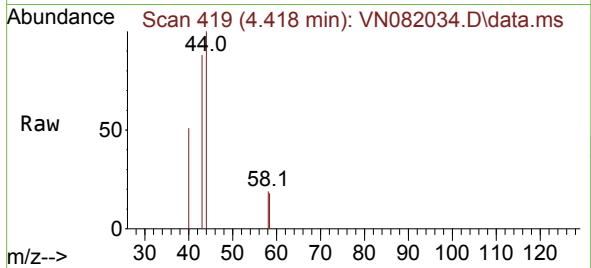
240507034-02

Tgt Ion: 58 Resp: 173

Ion Ratio Lower Upper

58 100

43 20.6 223.1 334.7#



#27

1,2-Dichloroethane-d4

Concen: 33.245 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082034.D

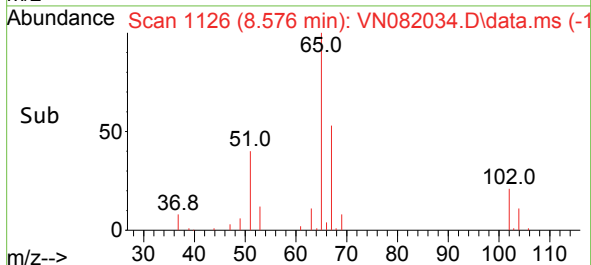
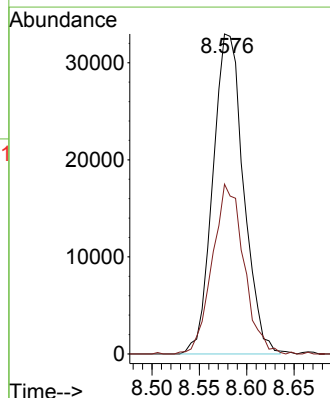
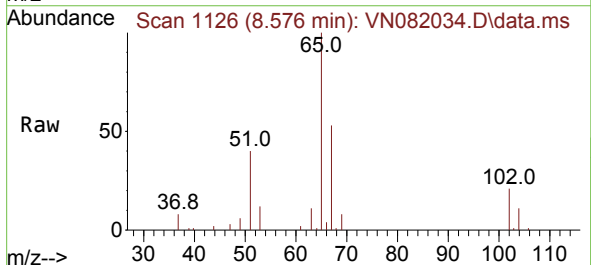
Acq: 08 May 2024 18:01

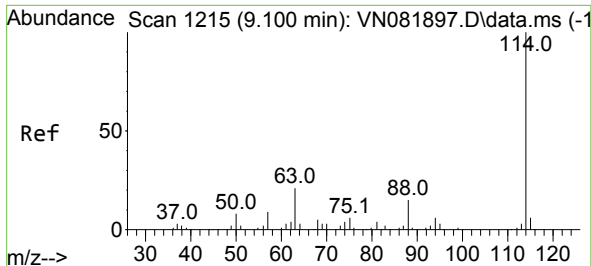
Tgt Ion: 65 Resp: 74337

Ion Ratio Lower Upper

65 100

67 54.3 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: VN082034.D

Acq: 08 May 2024 18:01

Instrument :

MSVOA_N

ClientSampleId :

240507034-02

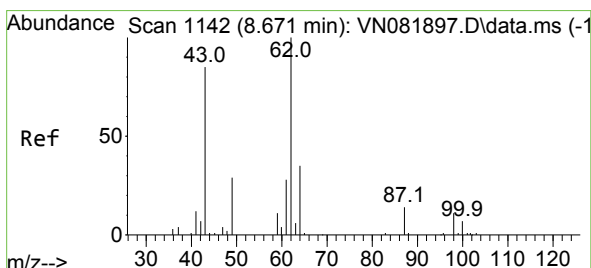
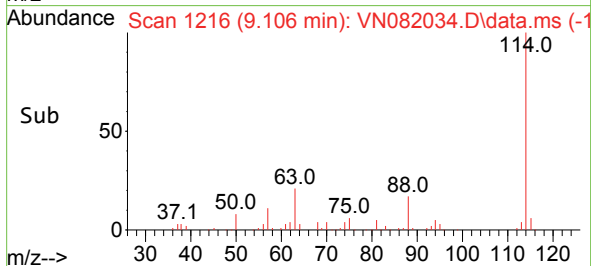
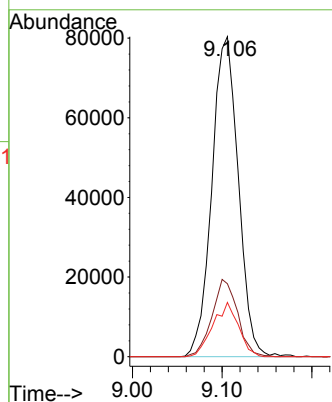
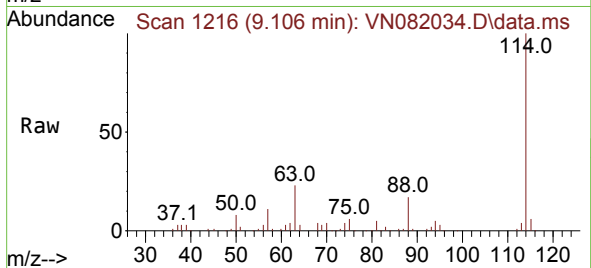
Tgt Ion:114 Resp: 164433

Ion Ratio Lower Upper

114 100

63 23.3 15.9 23.9

88 16.4 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.517 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN082034.D

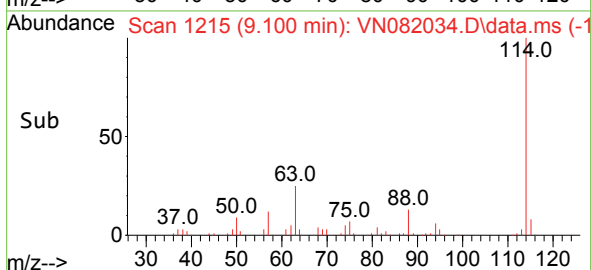
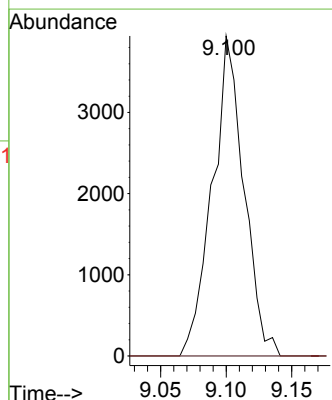
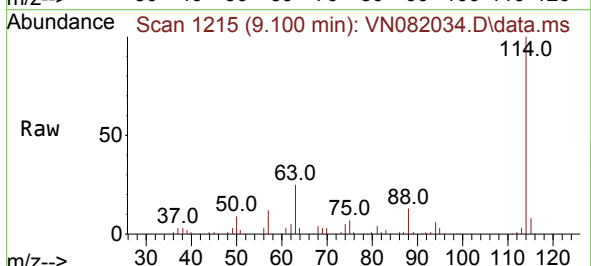
Acq: 08 May 2024 18:01

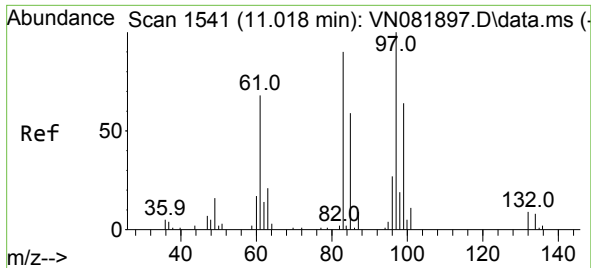
Tgt Ion: 62 Resp: 6598

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

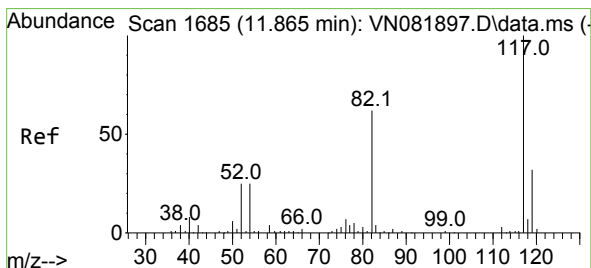
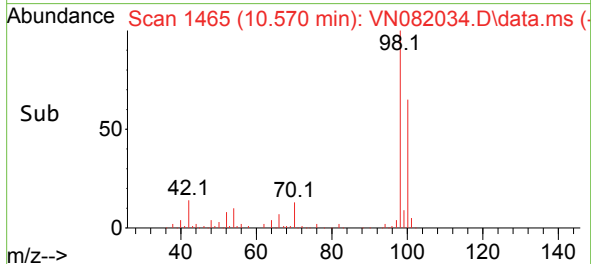
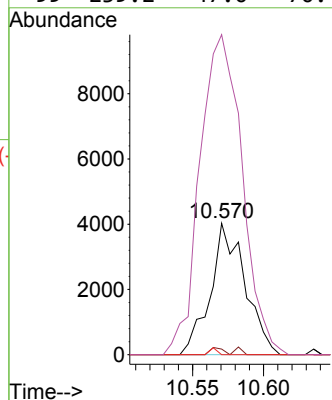
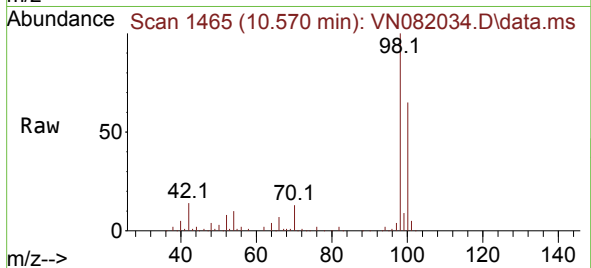




#50
1,1,2-Trichloroethane
Concen: 3.914 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN082034.D
Acq: 08 May 2024 18:01

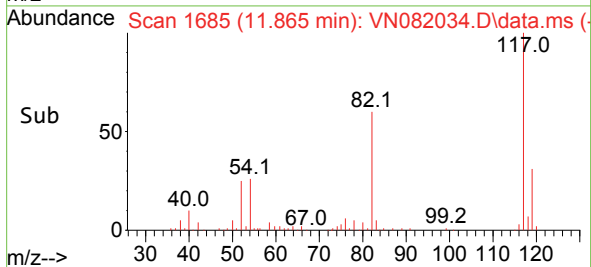
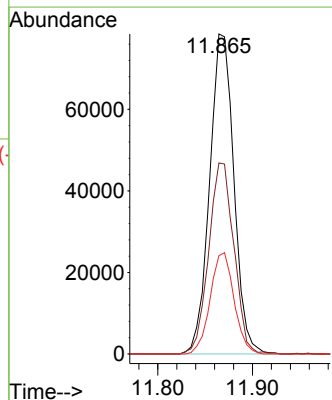
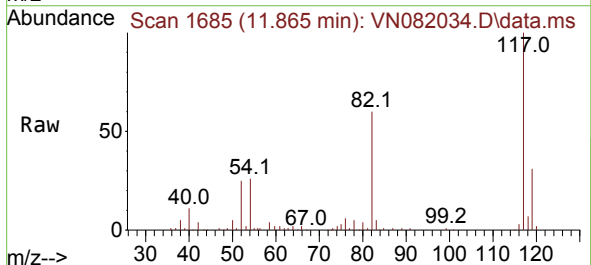
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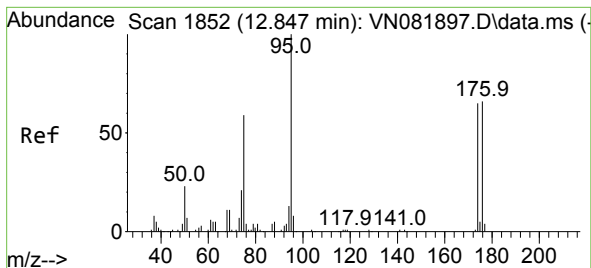
Tgt Ion: 97	Resp: 6836
Ion Ratio	Lower Upper
97 100	
83 4.2	68.1 102.1#
85 0.0	41.8 62.6#
99 239.2	47.0 70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082034.D
Acq: 08 May 2024 18:01

Tgt Ion: 117	Resp: 139910
Ion Ratio	Lower Upper
117 100	
82 61.9	46.6 69.8
119 31.1	25.4 38.2

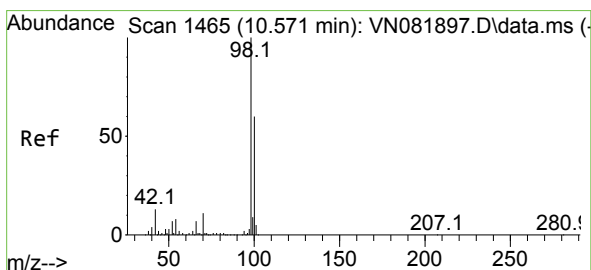
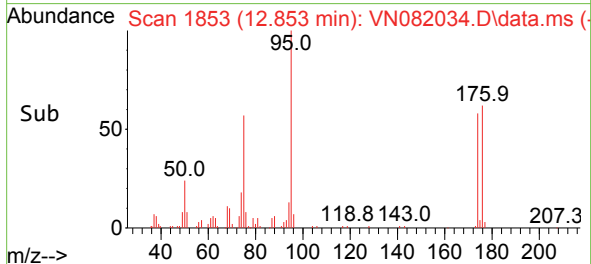
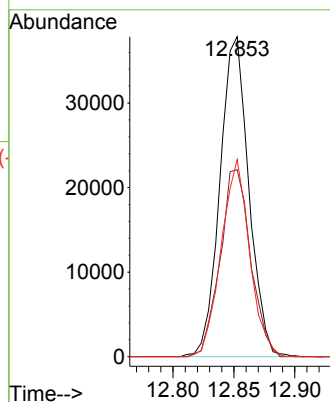
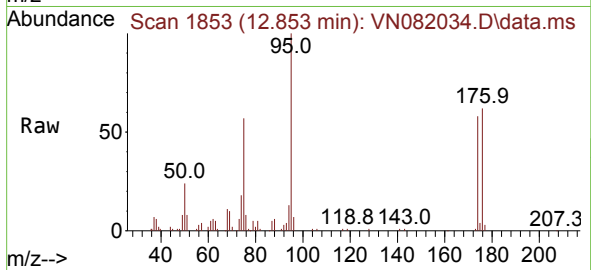




#60
4-Bromofluorobenzene
Concen: 26.843 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082034.D
Acq: 08 May 2024 18:01

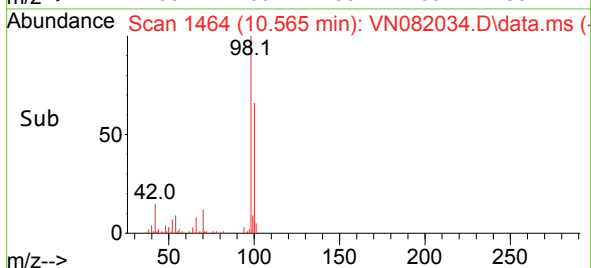
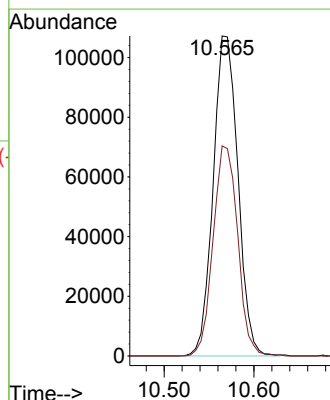
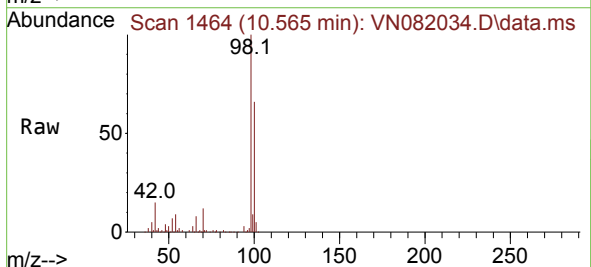
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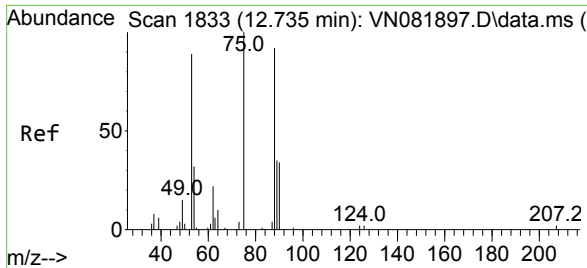
Tgt Ion: 95 Resp: 62502
Ion Ratio Lower Upper
95 100
174 61.9 60.5 90.7
176 60.6 57.8 86.6



#63
Toluene-d8
Concen: 30.904 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082034.D
Acq: 08 May 2024 18:01

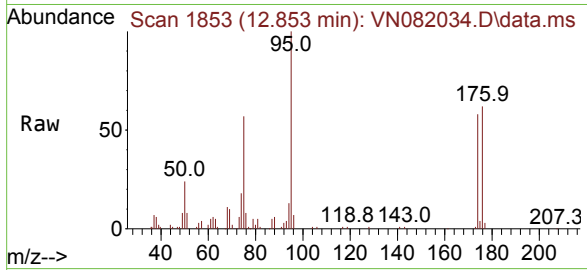
Tgt Ion: 98 Resp: 205340
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 39.840 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN082034.D
 Acq: 08 May 2024 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 240507034-02



Tgt Ion: 75 Resp: 38352
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

