

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081978.D
 Acq On : 02 May 2024 15:41
 Operator : JC\MD
 Sample : P2359-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 00:11:49 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)

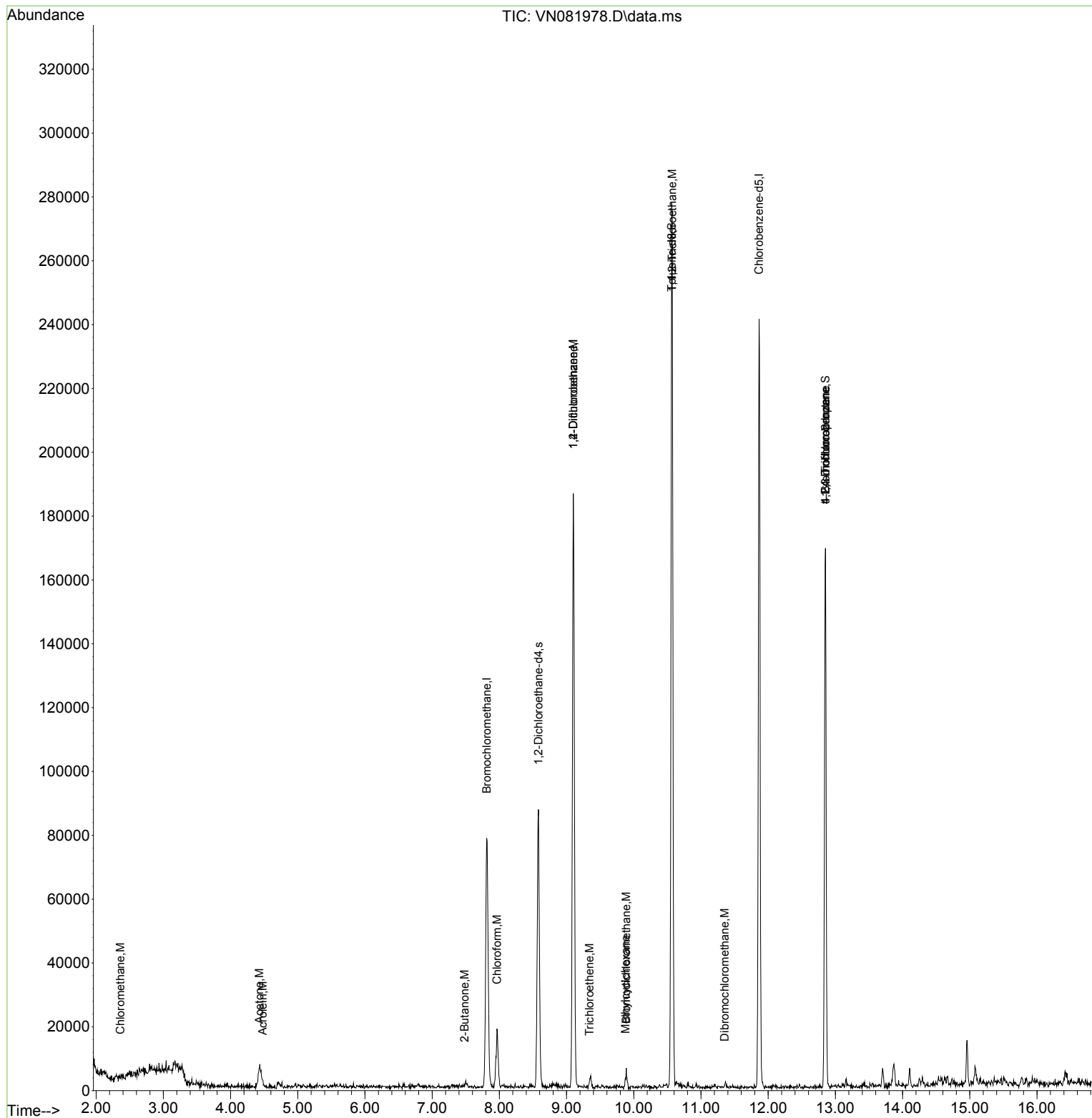
Internal Standards						
1) Bromochloromethane	7.812	128	24802	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	153649	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	130576	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	68407	32.943	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 109.800%	
60) 4-Bromofluorobenzene	12.853	95	60266	27.733	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.433%	
63) Toluene-d8	10.565	98	190044	30.647	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.167%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	490	0.300	ug/l #	43
13) Acrolein	4.477	56	133	0.330	ug/l #	15
15) Acetone	4.430	58	4144	21.378	ug/l #	49
25) Chloroform	7.965	83	15696	5.240	ug/l	94
30) 2-Butanone	7.482	43	833	0.706	ug/l #	52
36) 1,2-Dichloroethane	9.100	62	6387	2.607	ug/l #	72
37) Trichloroethene	9.341	130	400	0.224	ug/l	81
38) Methylcyclohexane	9.876	83	1181	0.427	ug/l #	19
41) Bromodichloromethane	9.888	83	2049	0.797	ug/l #	74
50) 1,1,2-Trichloroethane	10.570	97	3921	2.403	ug/l #	1
53) Dibromochloromethane	11.353	129	840	0.473	ug/l	62
72) 1,2,3-Trichloropropane	12.853	75	33255	16.475	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	33255	37.015	ug/l #	12

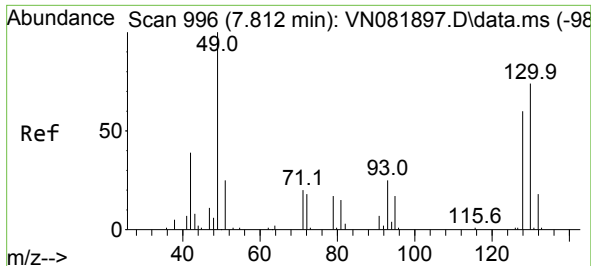
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
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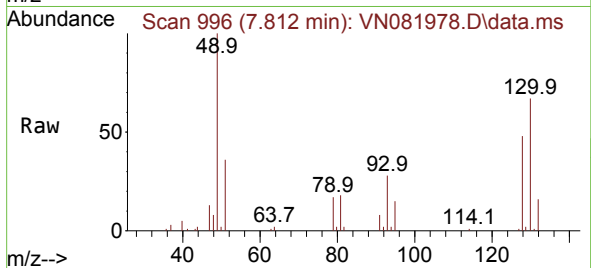
Quant Time: May 03 00:11:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
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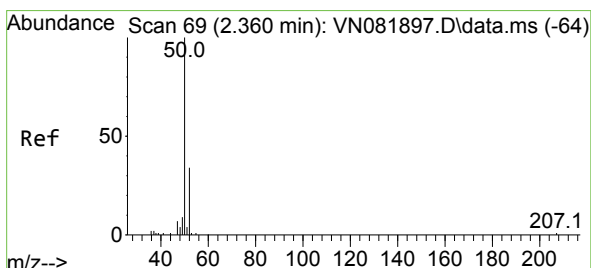
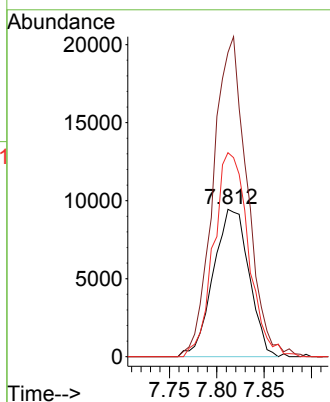
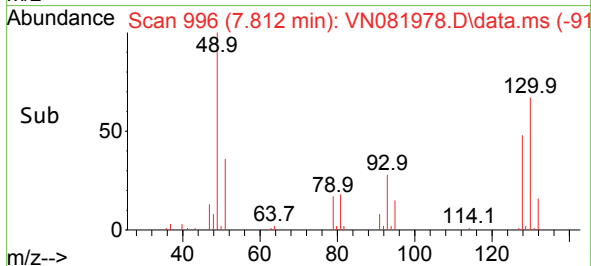


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN081978.D
Acq: 02 May 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

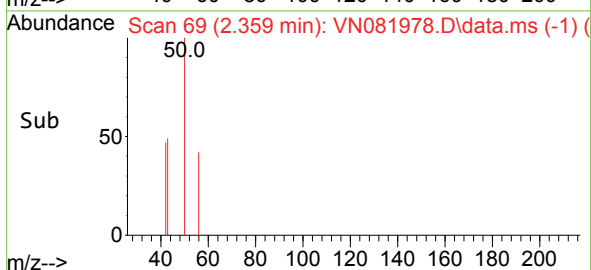
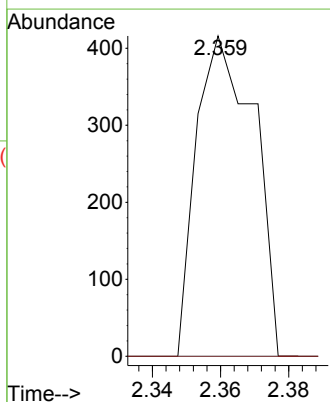
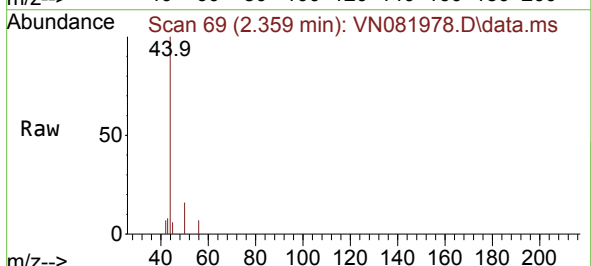


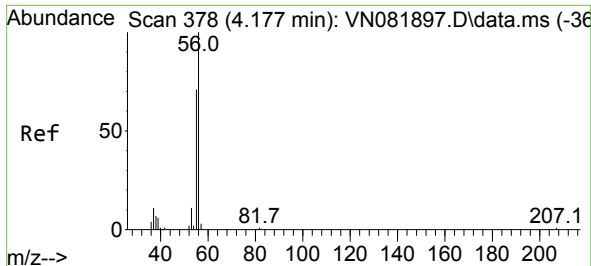
Tgt Ion	Ratio	Lower	Upper
128	100		
49	205.9	0.0	403.7
130	134.2	0.0	323.3



#3
Chloromethane
Concen: 0.300 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN081978.D
Acq: 02 May 2024 15:41

Tgt Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.0

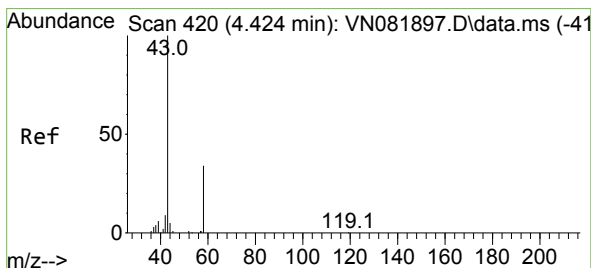
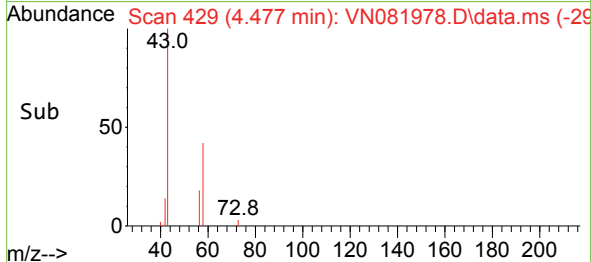
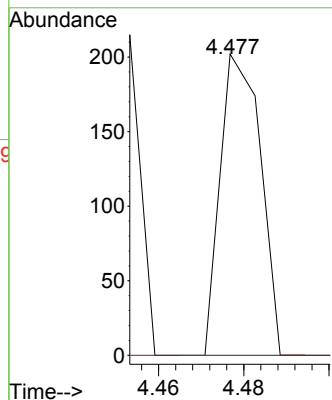
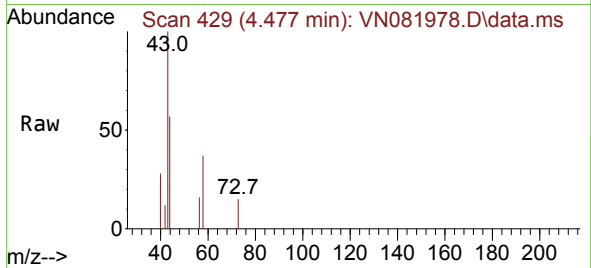




#13
Acrolein
Concen: 0.330 ug/l
RT: 4.477 min Scan# 41
Delta R.T. 0.300 min
Lab File: VN081978.D
Acq: 02 May 2024 15:41

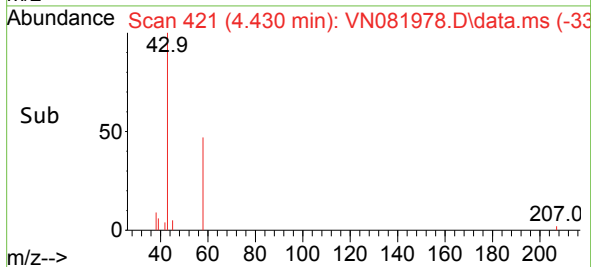
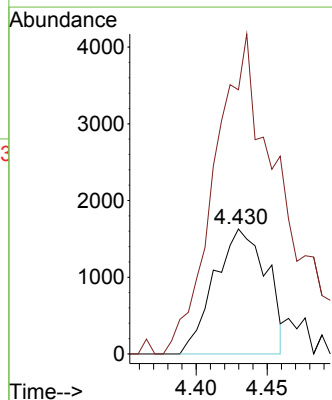
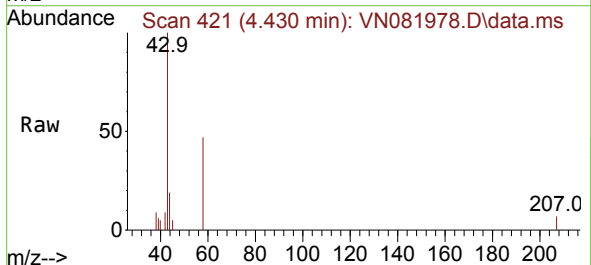
Instrument :
MSVOA_N
ClientSampleId :

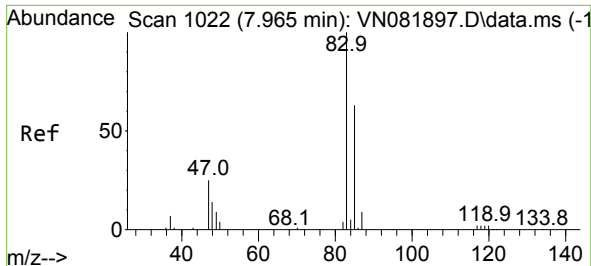
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



#15
Acetone
Concen: 21.378 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081978.D
Acq: 02 May 2024 15:41

Tgt Ion: 58 Resp: 4144
Ion Ratio Lower Upper
58 100
43 183.9 223.1 334.7#





#25

Chloroform

Concen: 5.240 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN081978.D

Acq: 02 May 2024 15:41

Instrument :

MSVOA_N

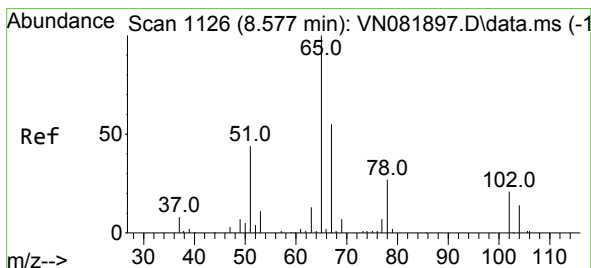
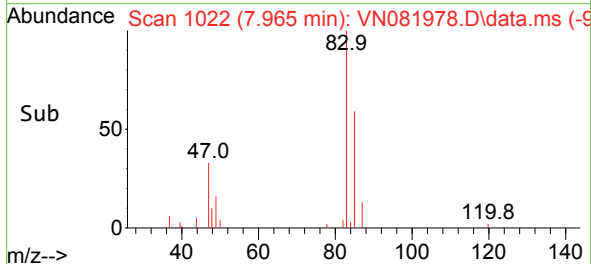
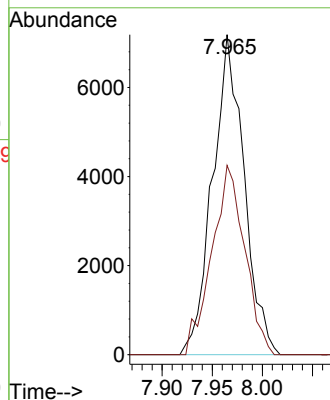
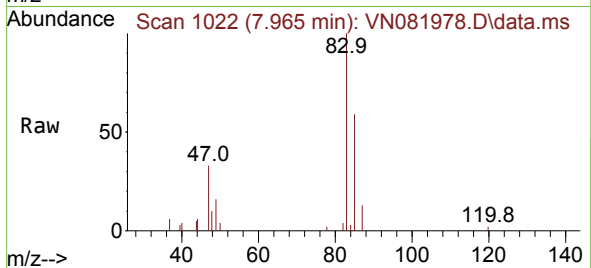
ClientSampleId :

Tgt Ion: 83 Resp: 15696

Ion Ratio Lower Upper

83 100

85 59.1 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 32.943 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081978.D

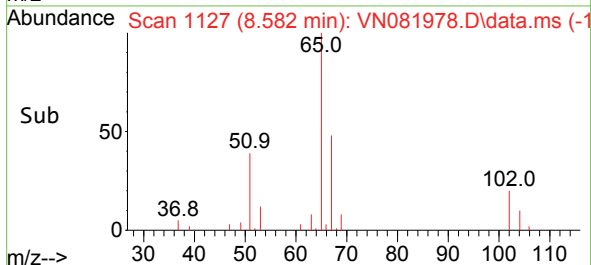
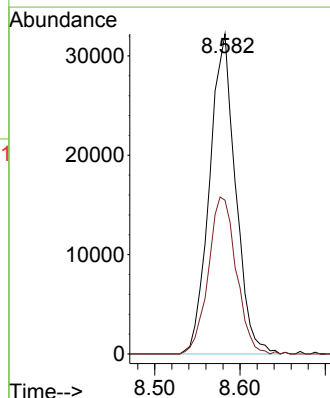
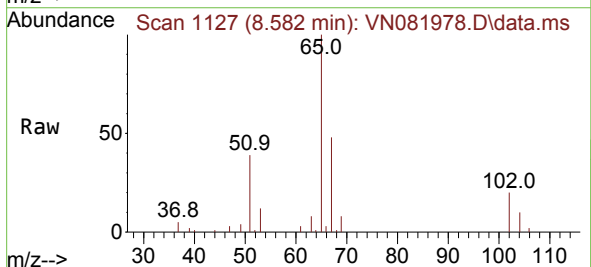
Acq: 02 May 2024 15:41

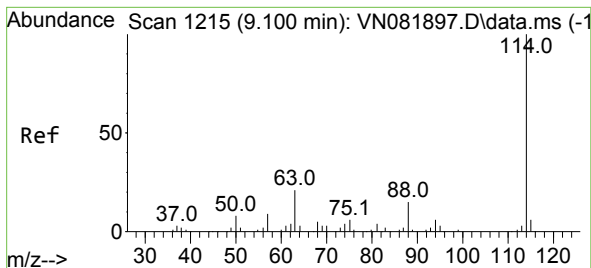
Tgt Ion: 65 Resp: 68407

Ion Ratio Lower Upper

65 100

67 52.5 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081978.D

Acq: 02 May 2024 15:41

Instrument :

MSVOA_N

ClientSampleId :

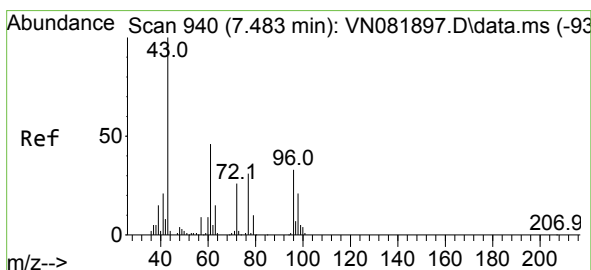
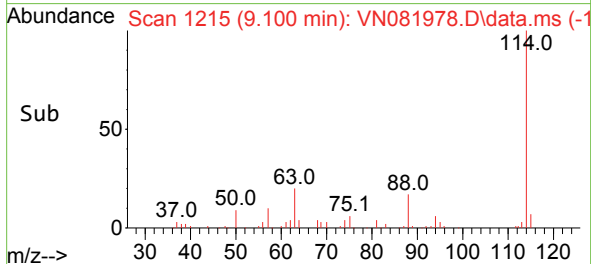
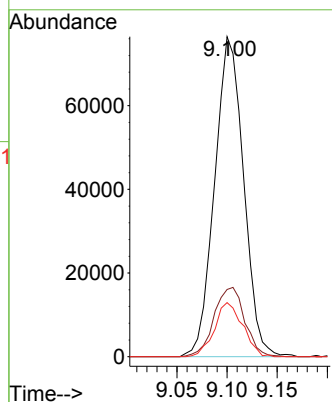
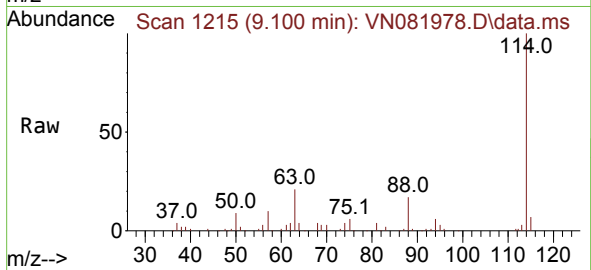
Tgt Ion:114 Resp: 153649

Ion Ratio Lower Upper

114 100

63 22.9 15.9 23.9

88 16.4 12.7 19.1



#30

2-Butanone

Concen: 0.706 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN081978.D

Acq: 02 May 2024 15:41

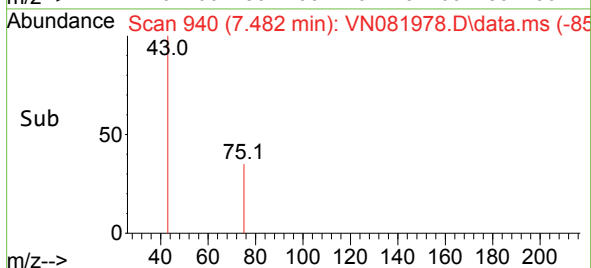
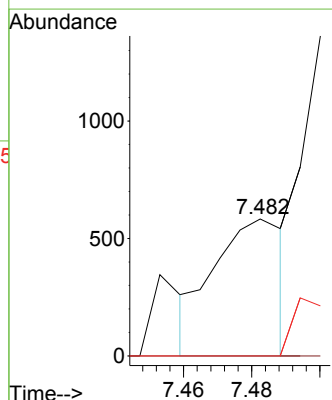
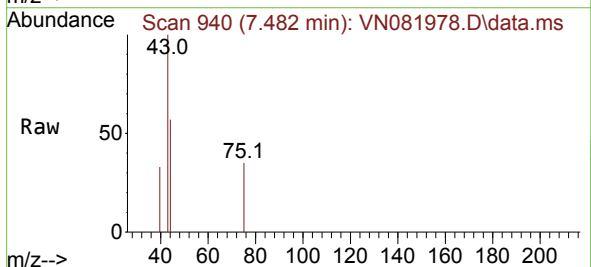
Tgt Ion: 43 Resp: 833

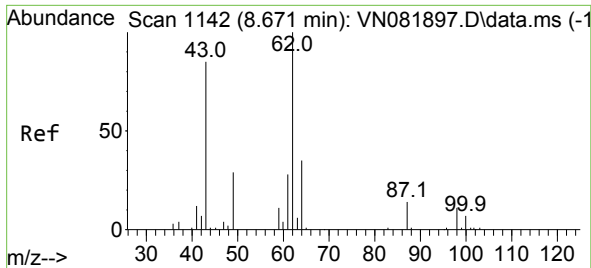
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 0.0 24.0 36.0#





#36

1,2-Dichloroethane

Concen: 2.607 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.429 min

Lab File: VN081978.D

Acq: 02 May 2024 15:41

Instrument :

MSVOA_N

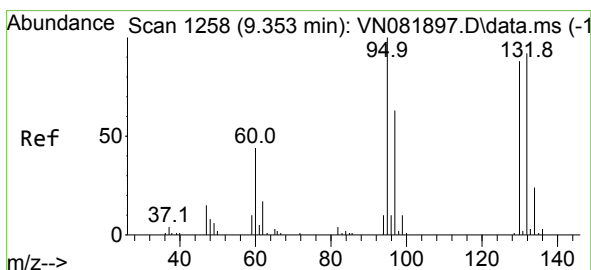
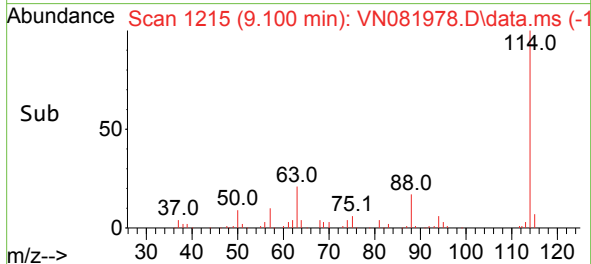
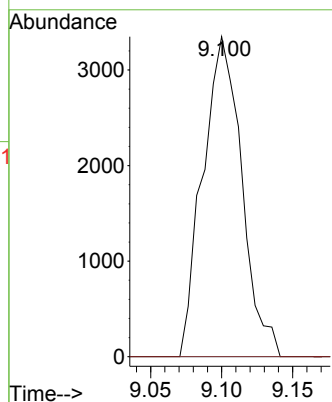
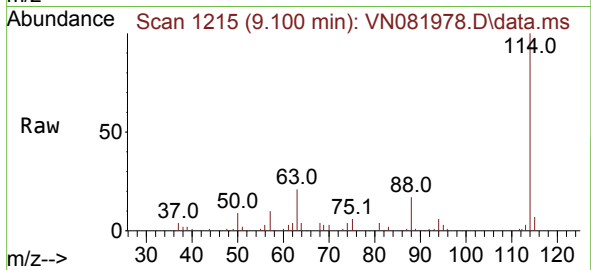
ClientSampleId :

Tgt Ion: 62 Resp: 6387

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#37

Trichloroethene

Concen: 0.224 ug/l

RT: 9.341 min Scan# 1256

Delta R.T. -0.012 min

Lab File: VN081978.D

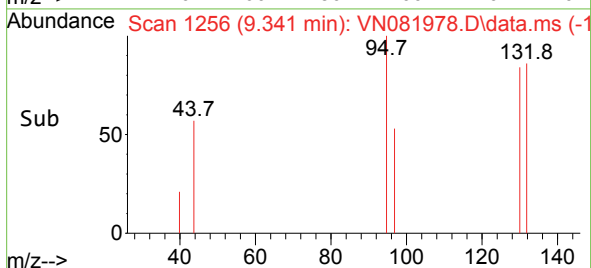
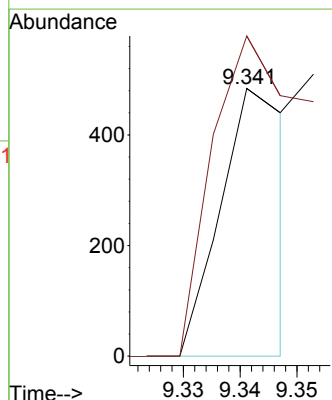
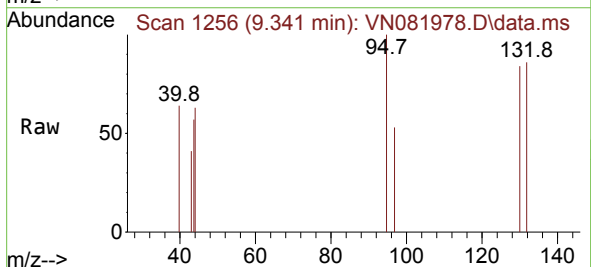
Acq: 02 May 2024 15:41

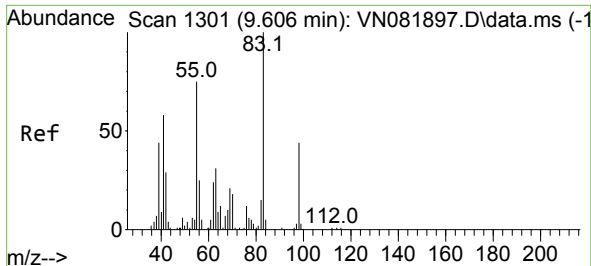
Tgt Ion: 130 Resp: 400

Ion Ratio Lower Upper

130 100

95 119.6 80.2 120.4





#38

Methylcyclohexane

Concen: 0.427 ug/l

RT: 9.876 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN081978.D

Acq: 02 May 2024 15:41

Instrument :

MSVOA_N

ClientSampleId :

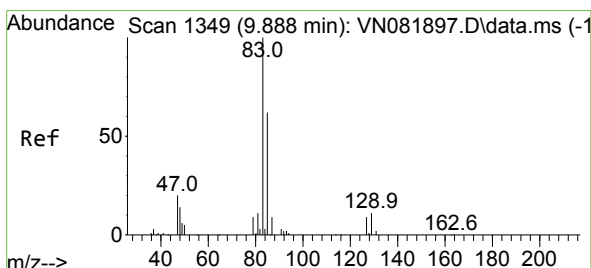
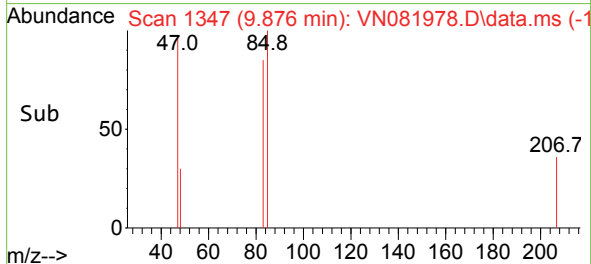
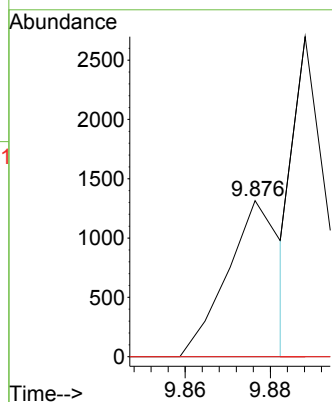
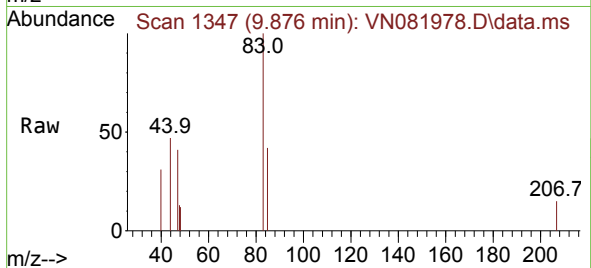
Tgt Ion: 83 Resp: 1181

Ion Ratio Lower Upper

83 100

55 0.0 36.6 109.9#

98 0.0 23.8 71.5#



#41

Bromodichloromethane

Concen: 0.797 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VN081978.D

Acq: 02 May 2024 15:41

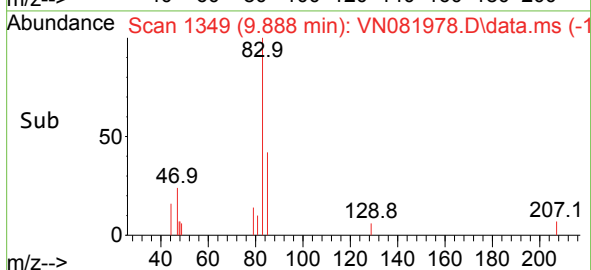
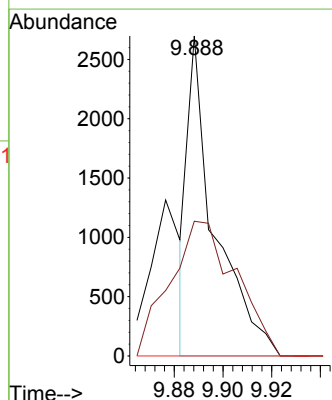
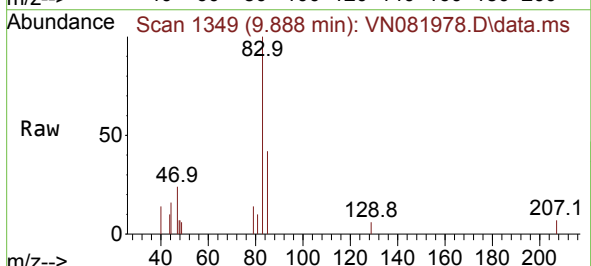
Tgt Ion: 83 Resp: 2049

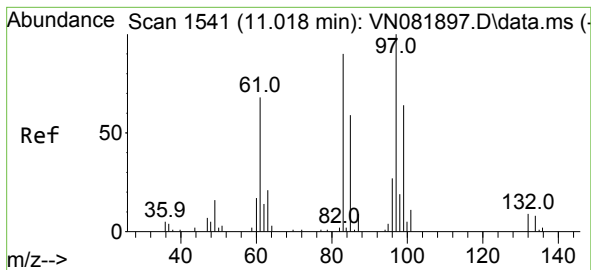
Ion Ratio Lower Upper

83 100

85 42.1 49.4 74.2#

127 0.0 7.3 10.9#





#50

1,1,2-Trichloroethane

Concen: 2.403 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.447 min

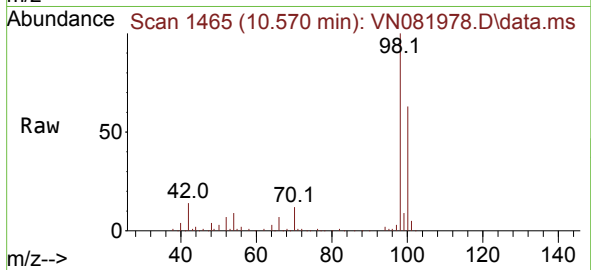
Lab File: VN081978.D

Acq: 02 May 2024 15:41

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 3921

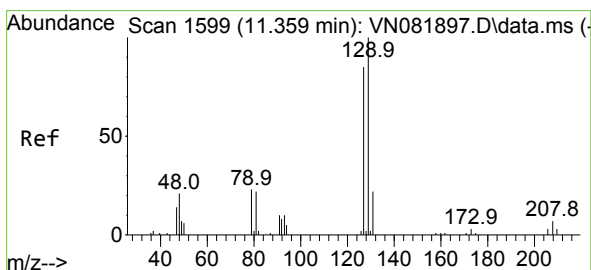
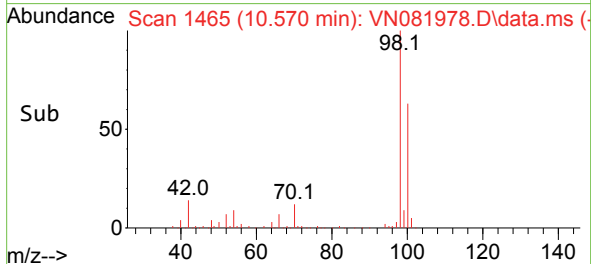
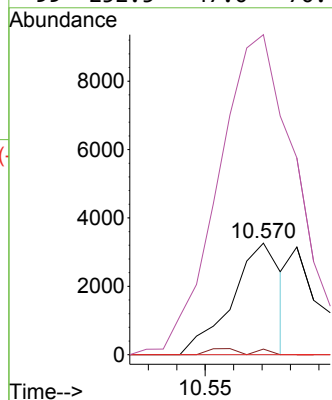
Ion Ratio Lower Upper

97 100

83 5.1 68.1 102.1#

85 0.0 41.8 62.6#

99 252.5 47.0 70.4#



#53

Dibromochloromethane

Concen: 0.473 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. -0.006 min

Lab File: VN081978.D

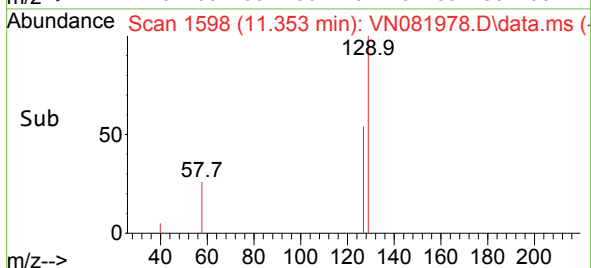
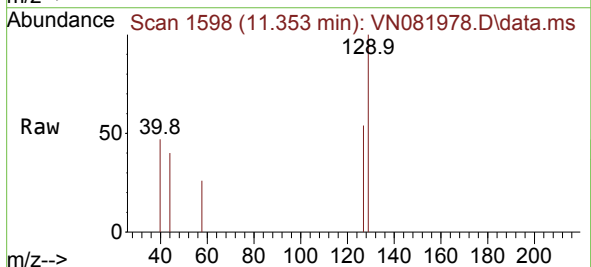
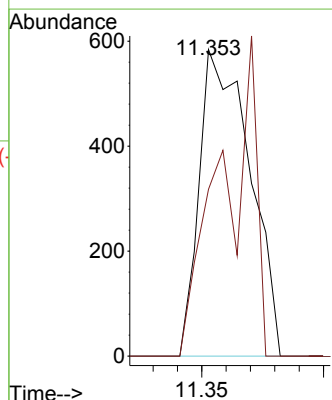
Acq: 02 May 2024 15:41

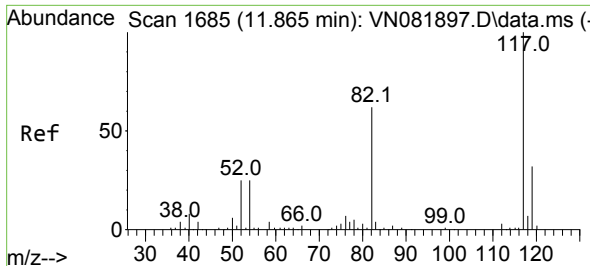
Tgt Ion: 129 Resp: 840

Ion Ratio Lower Upper

129 100

127 45.4 39.4 118.1

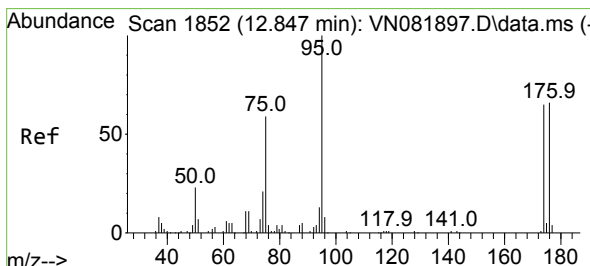
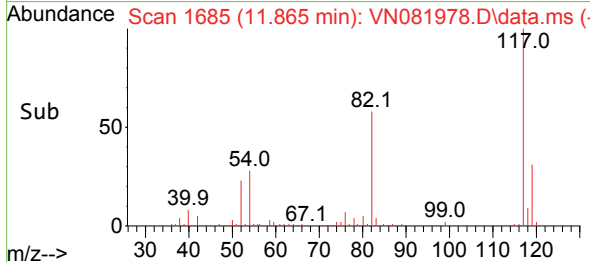
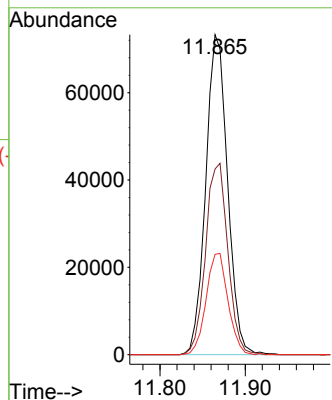
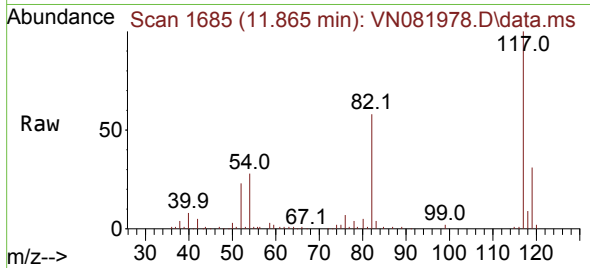




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081978.D
Acq: 02 May 2024 15:41

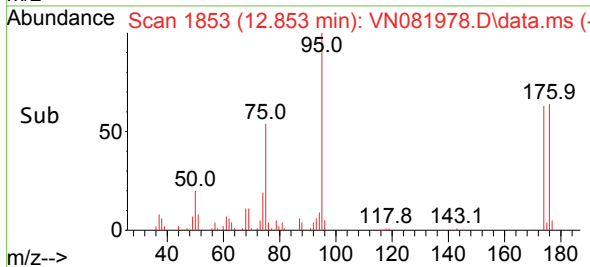
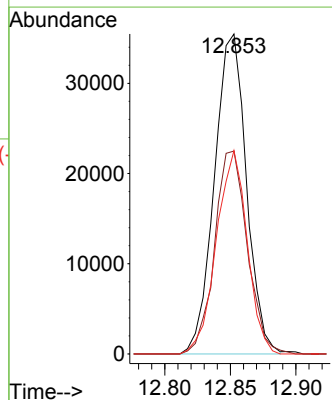
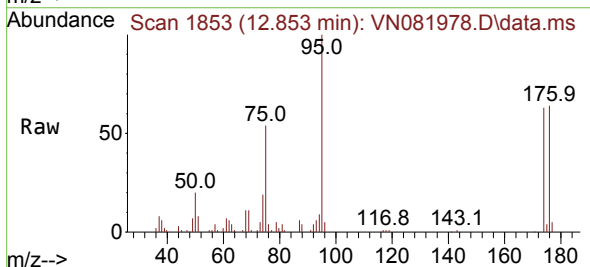
Instrument :
MSVOA_N
ClientSampleId :

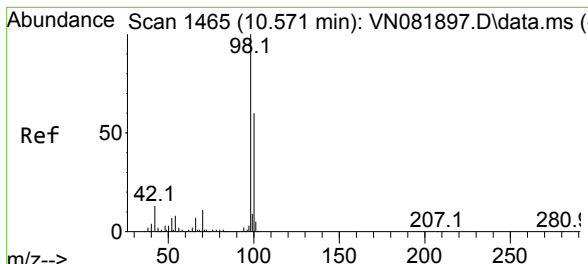
Tgt Ion:117 Resp: 130576
Ion Ratio Lower Upper
117 100
82 61.0 46.6 69.8
119 31.7 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 27.733 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081978.D
Acq: 02 May 2024 15:41

Tgt Ion: 95 Resp: 60266
Ion Ratio Lower Upper
95 100
174 64.8 60.5 90.7
176 61.1 57.8 86.6

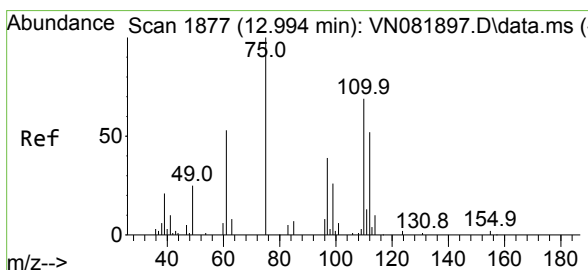
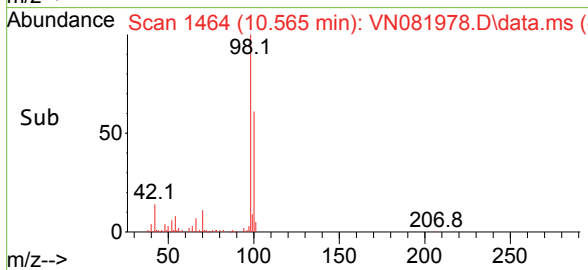
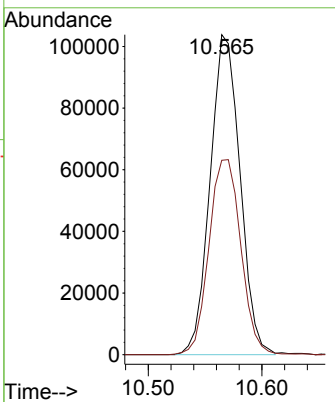
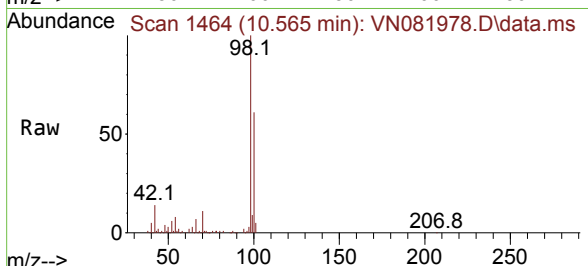




#63
Toluene-d8
Concen: 30.647 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081978.D
Acq: 02 May 2024 15:41

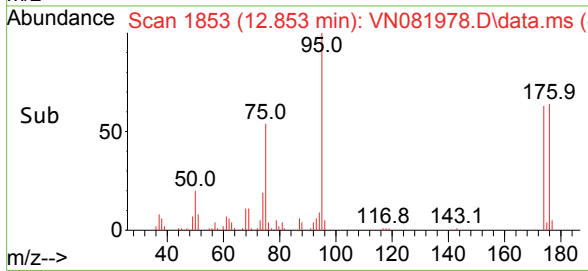
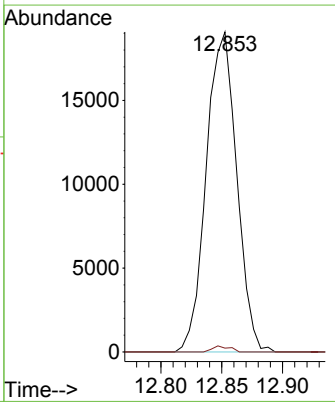
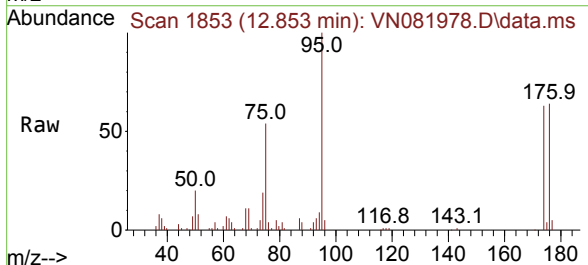
Instrument :
MSVOA_N
ClientSampleId :

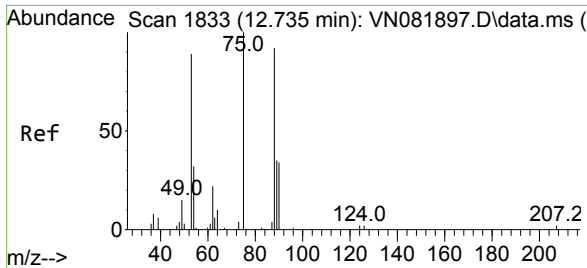
Tgt Ion: 98 Resp: 190044
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.475 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081978.D
Acq: 02 May 2024 15:41

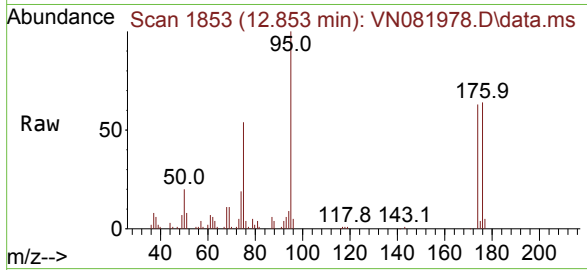
Tgt Ion: 75 Resp: 33255
Ion Ratio Lower Upper
75 100
77 1.1 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 37.015 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN081978.D
 Acq: 02 May 2024 15:41

Instrument :
 MSVOA_N
 ClientSampleId :



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

