

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081977.D
 Acq On : 02 May 2024 15:18
 Operator : JC\MD
 Sample : P2358-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 00:11:31 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)

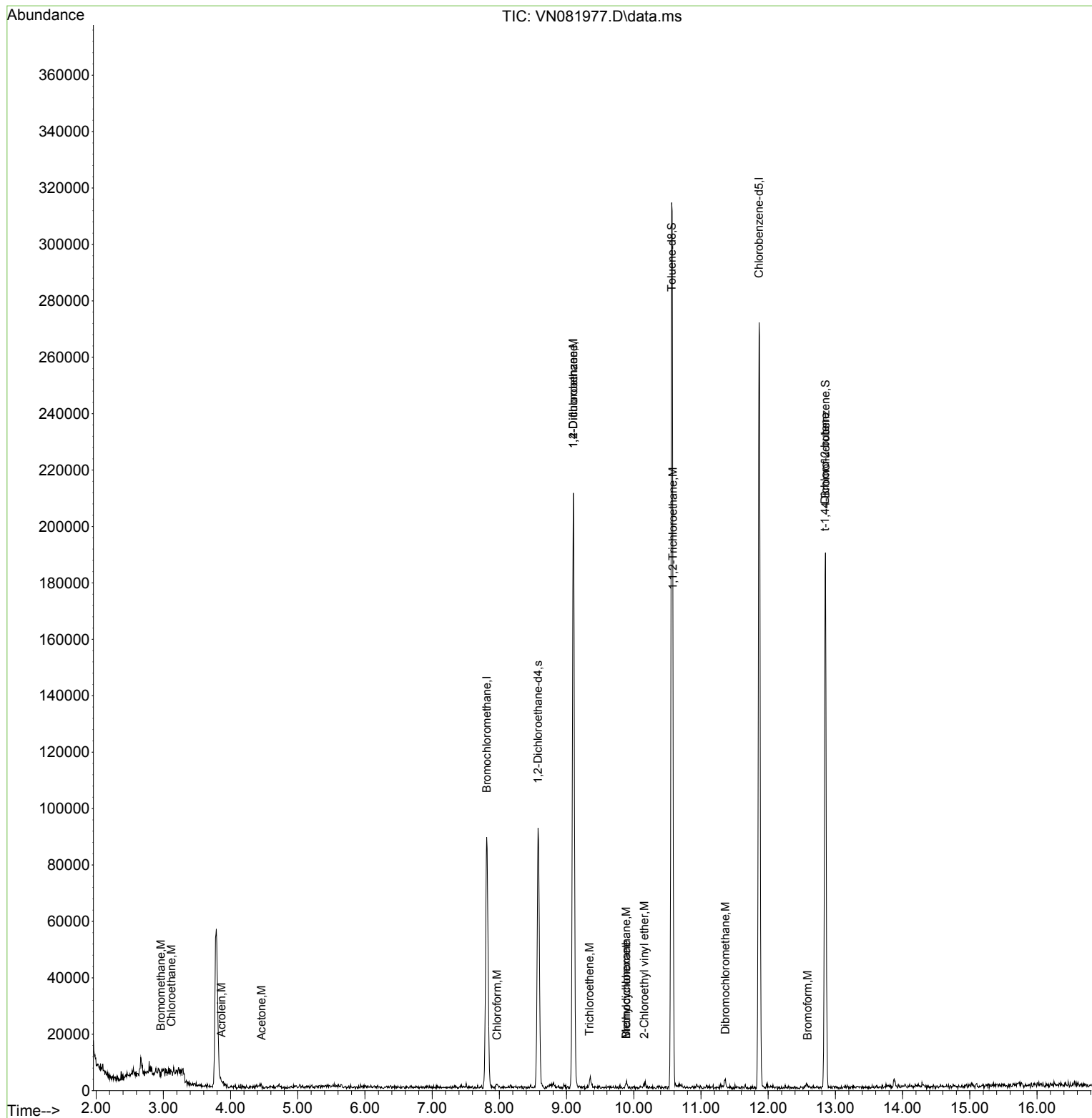
Internal Standards						
1) Bromochloromethane	7.812	128	28338	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	175483	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	150836	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73347	30.914	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.033%
60) 4-Bromofluorobenzene	12.853	95	68132	27.142	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.467%
63) Toluene-d8	10.565	98	220557	30.790	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.633%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	234	0.254	ug/l #	4
6) Chloroethane	3.118	64	412	0.413	ug/l #	41
13) Acrolein	3.865	56	117	0.254	ug/l #	15
15) Acetone	4.459	58	221	0.998	ug/l #	15
25) Chloroform	7.965	83	1360	0.397	ug/l	95
36) 1,2-Dichloroethane	9.100	62	7114	2.543	ug/l #	72
37) Trichloroethene	9.341	130	610	0.299	ug/l #	34
38) Methylcyclohexane	9.888	83	1816	0.575	ug/l #	24
41) Bromodichloromethane	9.888	83	1879	0.640	ug/l #	56
50) 1,1,2-Trichloroethane	10.582	97	2952	1.584	ug/l #	1
53) Dibromochloromethane	11.365	129	1887	0.931	ug/l	77
55) 2-Chloroethyl vinyl ether	10.159	63	791	0.450	ug/l #	43
56) Bromoform	12.588	173	379	0.307	ug/l #	53
77) t-1,4-Dichloro-2-butene	12.847	75	36861	35.518	ug/l #	12

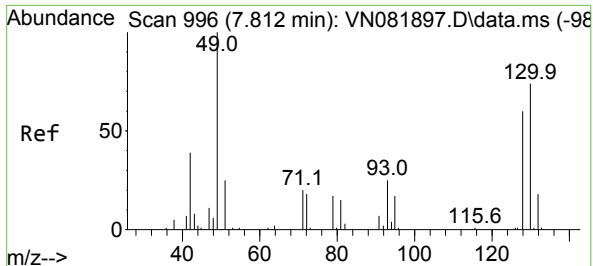
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
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Quant Time: May 03 00:11:31 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

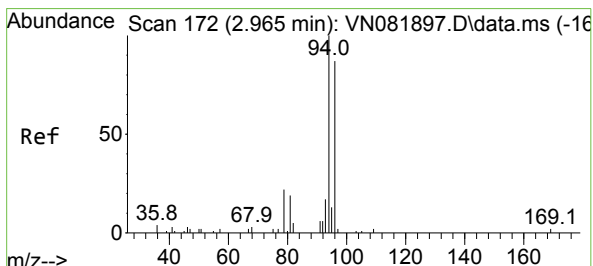
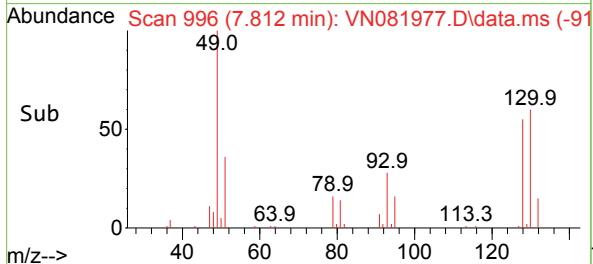
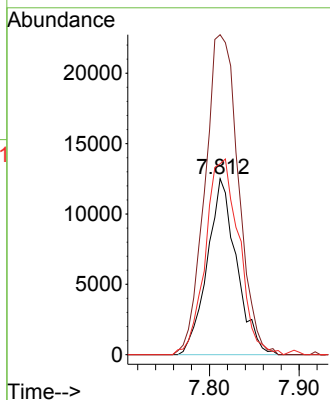
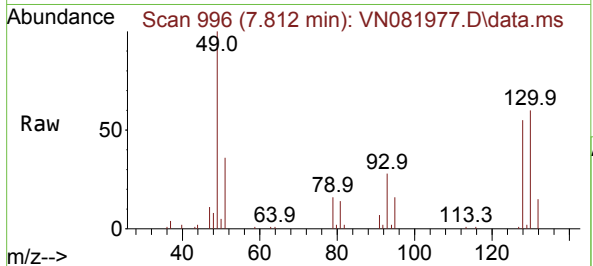




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

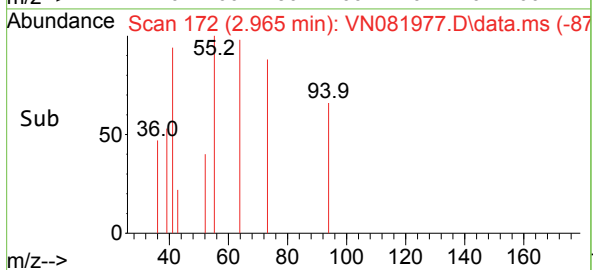
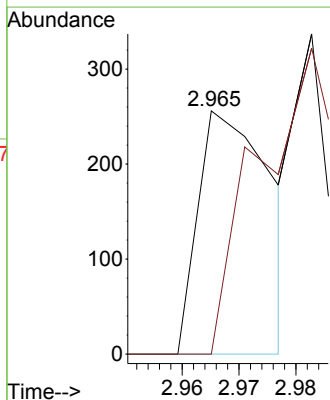
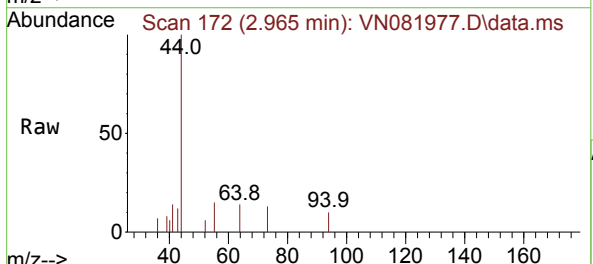
Instrument :
MSVOA_N
ClientSampleId :

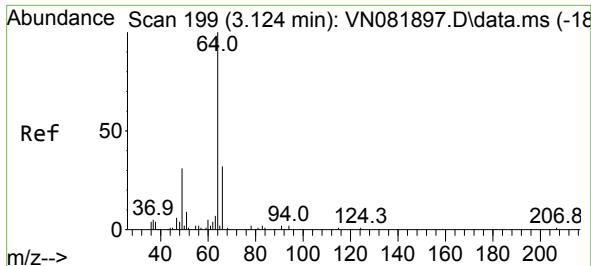
Tgt Ion:128 Resp: 28338
Ion Ratio Lower Upper
128 100
49 208.0 0.0 403.7
130 127.5 0.0 323.3



#5
Bromomethane
Concen: 0.254 ug/l
RT: 2.965 min Scan# 172
Delta R.T. -0.000 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

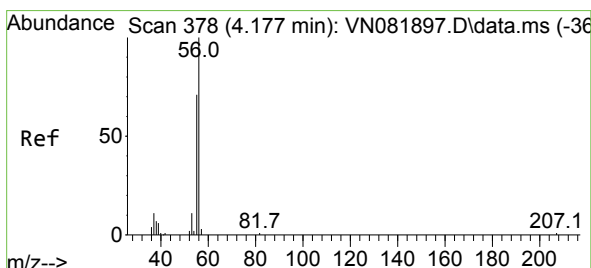
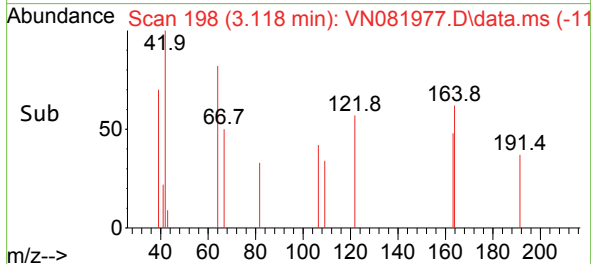
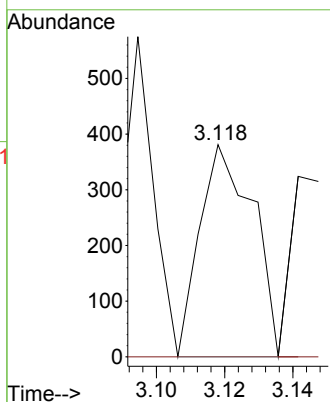
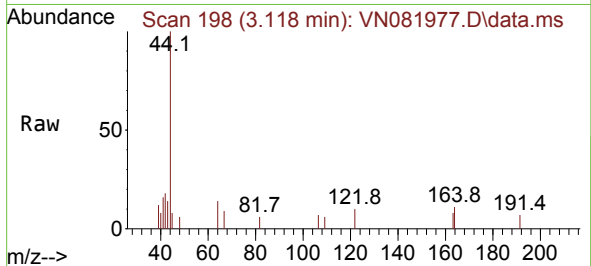




#6
Chloroethane
Concen: 0.413 ug/l
RT: 3.118 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

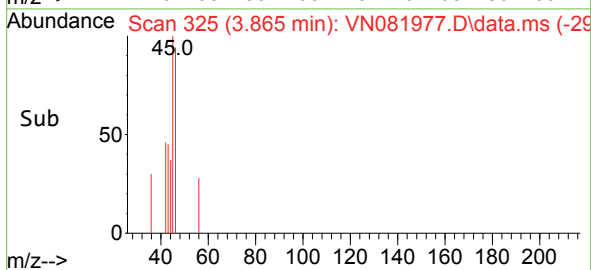
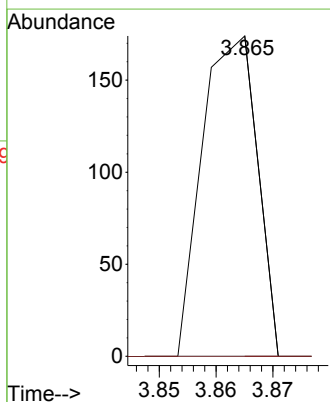
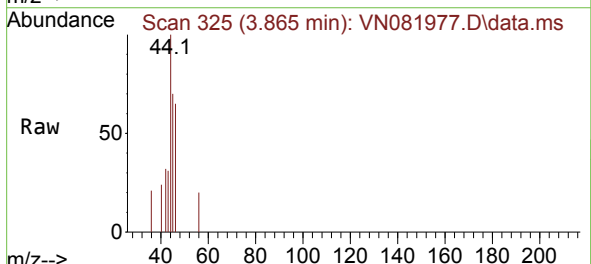
Instrument :
MSVOA_N
ClientSampleId :

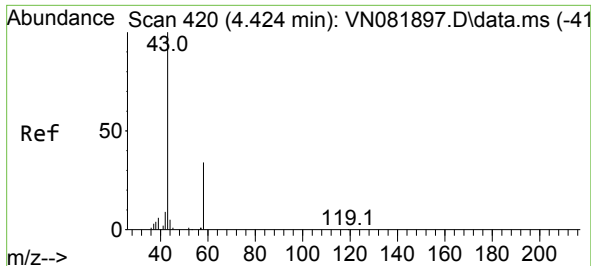
Tgt Ion: 64 Resp: 412
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#13
Acrolein
Concen: 0.254 ug/l
RT: 3.865 min Scan# 325
Delta R.T. -0.312 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

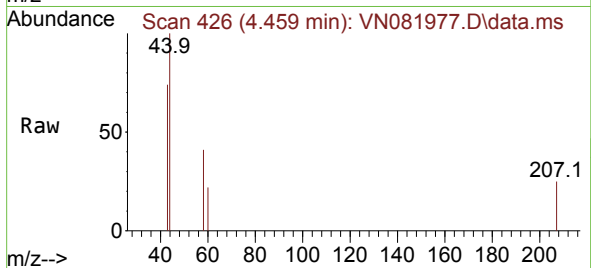
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



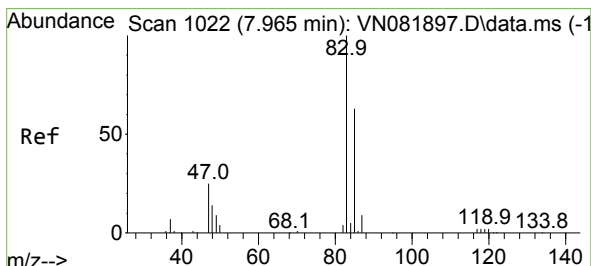
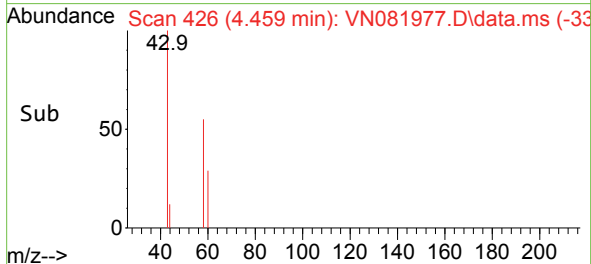
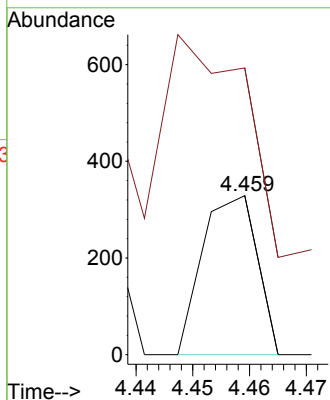


#15
Acetone
Concen: 0.998 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :

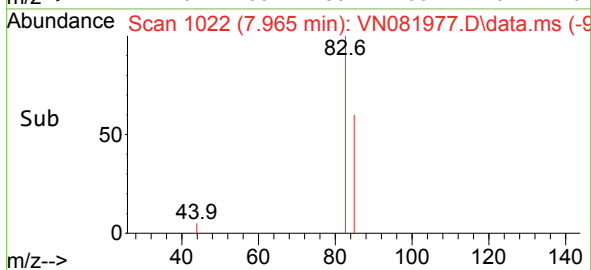
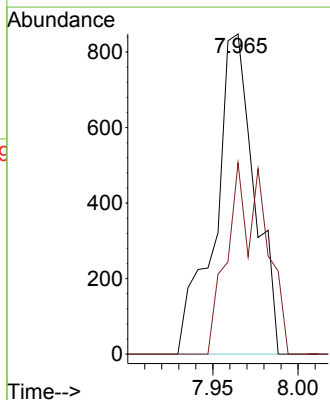
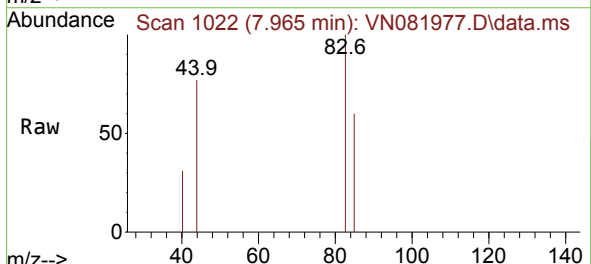


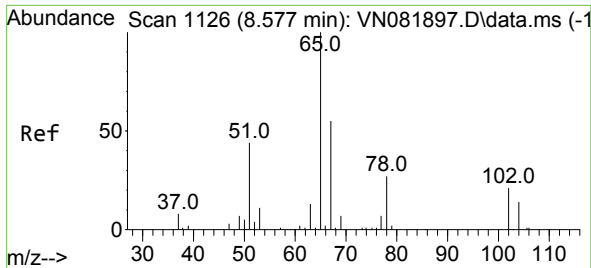
Tgt Ion: 58 Resp: 221
Ion Ratio Lower Upper
58 100
43 119.1 223.1 334.7#



#25
Chloroform
Concen: 0.397 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Tgt Ion: 83 Resp: 1360
Ion Ratio Lower Upper
83 100
85 59.8 50.9 76.3

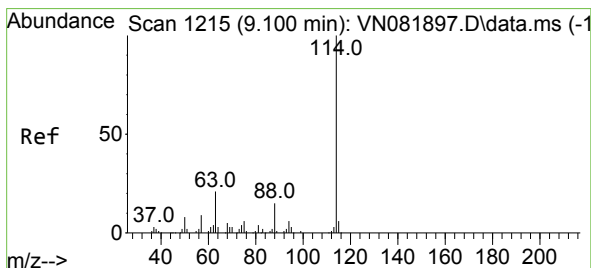
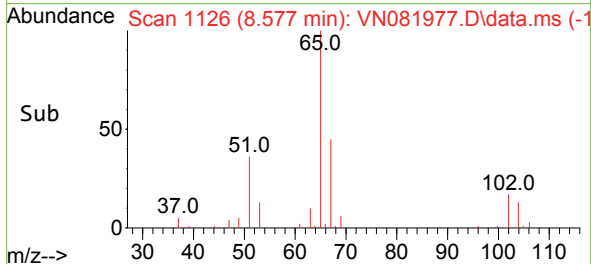
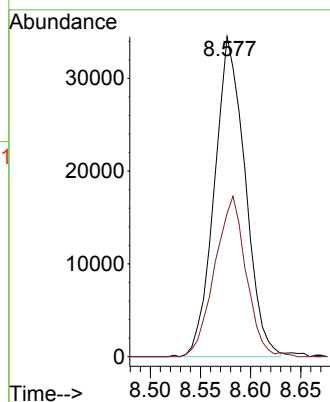
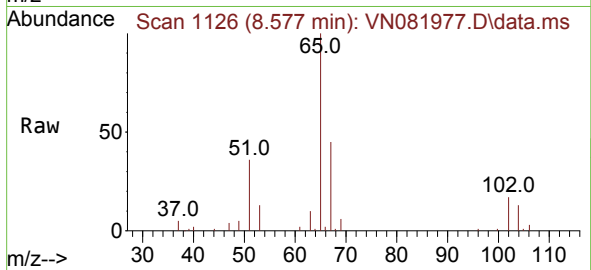




#27
 1,2-Dichloroethane-d4
 Concen: 30.914 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN081977.D
 Acq: 02 May 2024 15:18

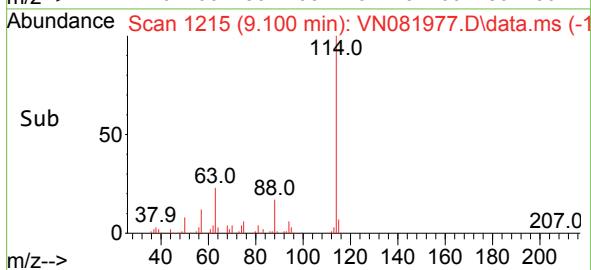
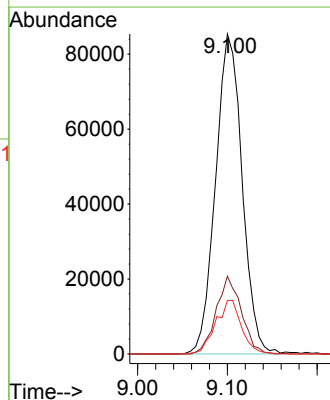
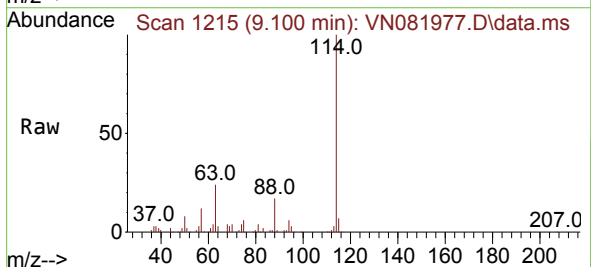
Instrument :
 MSVOA_N
 ClientSampleId :

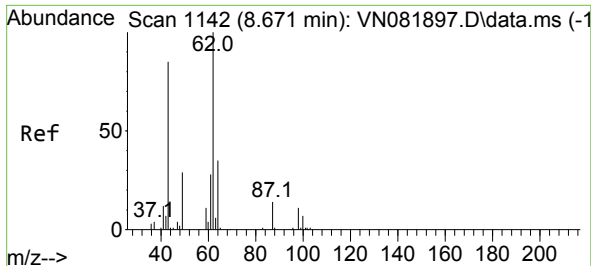
Tgt Ion: 65 Resp: 73347
 Ion Ratio Lower Upper
 65 100
 67 50.9 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN081977.D
 Acq: 02 May 2024 15:18

Tgt Ion: 114 Resp: 175483
 Ion Ratio Lower Upper
 114 100
 63 23.0 15.9 23.9
 88 16.3 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.543 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.429 min

Lab File: VN081977.D

Acq: 02 May 2024 15:18

Instrument :

MSVOA_N

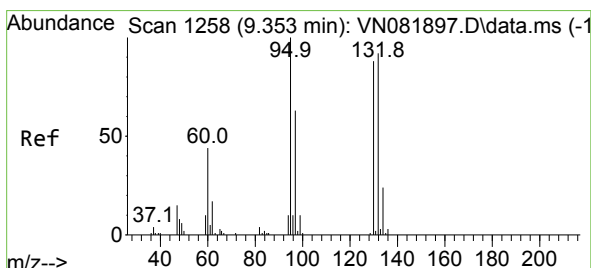
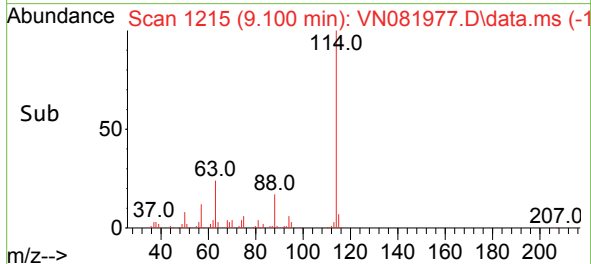
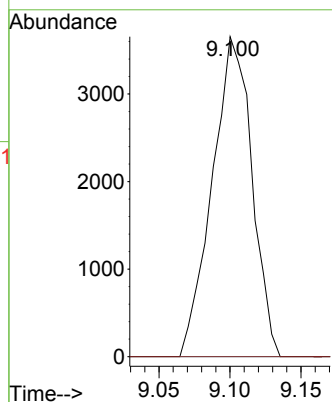
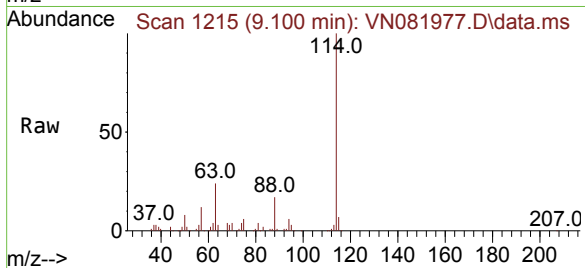
ClientSampleId :

Tgt Ion: 62 Resp: 7114

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#37

Trichloroethene

Concen: 0.299 ug/l

RT: 9.341 min Scan# 1256

Delta R.T. -0.012 min

Lab File: VN081977.D

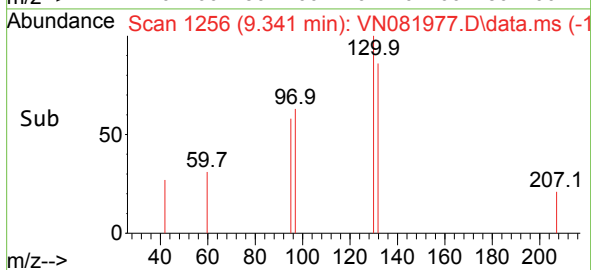
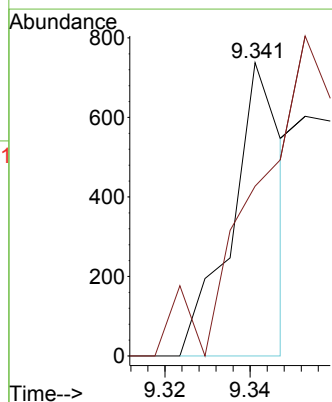
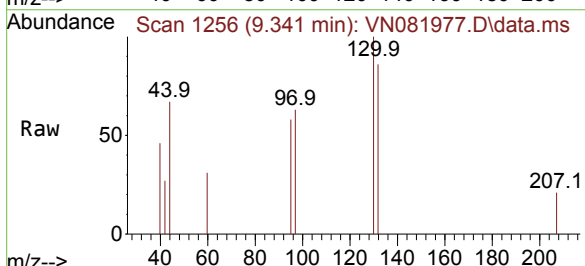
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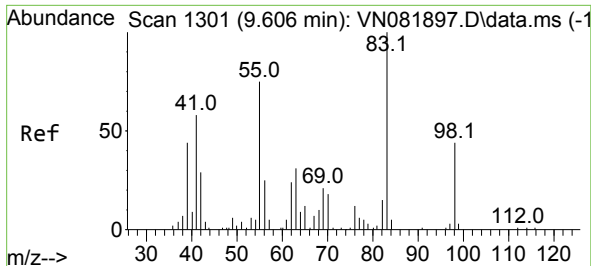
Tgt Ion: 130 Resp: 610

Ion Ratio Lower Upper

130 100

95 33.9 80.2 120.4#





#38

Methylcyclohexane

Concen: 0.575 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.282 min

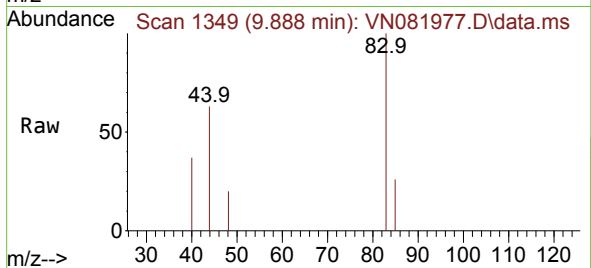
Lab File: VN081977.D

Acq: 02 May 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :



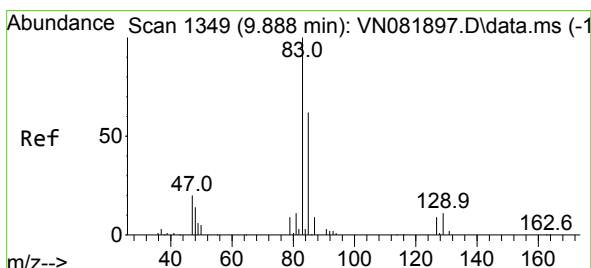
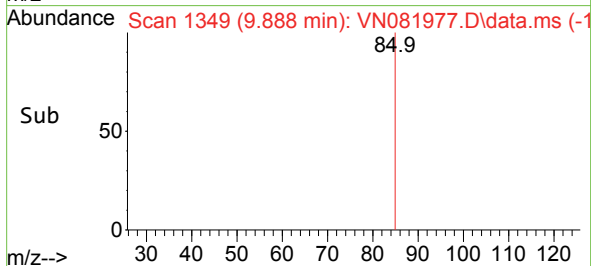
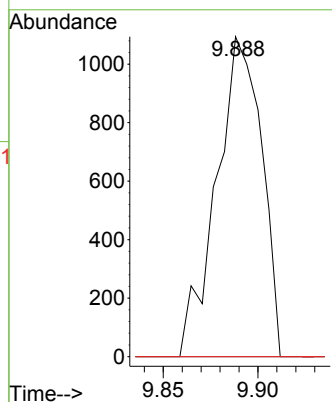
Tgt Ion: 83 Resp: 1816

Ion Ratio Lower Upper

83 100

55 6.3 36.6 109.9#

98 0.0 23.8 71.5#



#41

Bromodichloromethane

Concen: 0.640 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VN081977.D

Acq: 02 May 2024 15:18

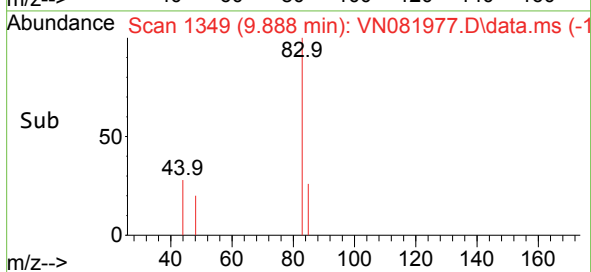
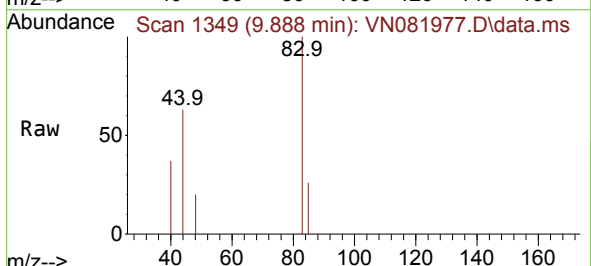
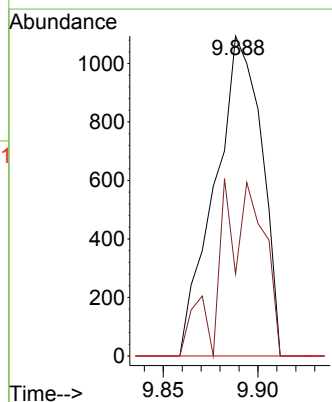
Tgt Ion: 83 Resp: 1879

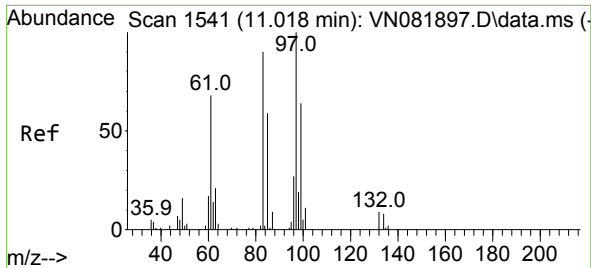
Ion Ratio Lower Upper

83 100

85 25.6 49.4 74.2#

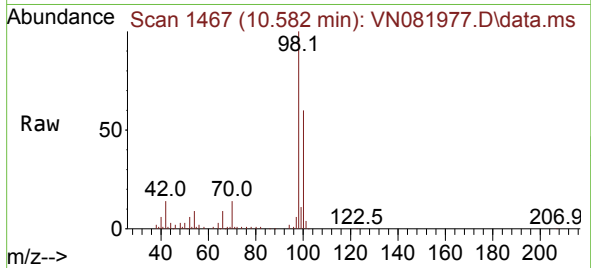
127 0.0 7.3 10.9#



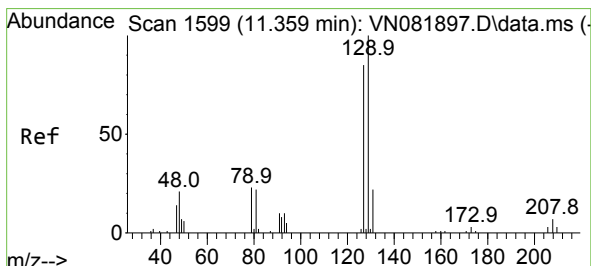
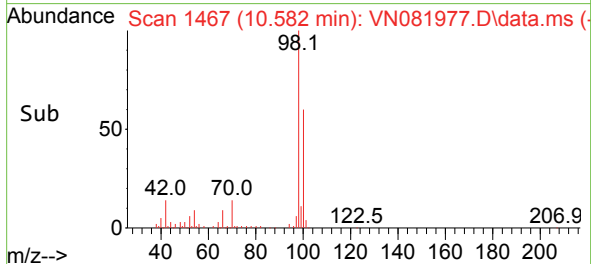
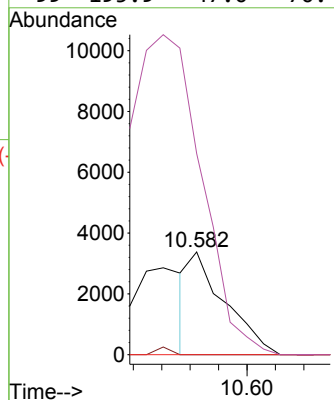


#50
1,1,2-Trichloroethane
Concen: 1.584 ug/l
RT: 10.582 min Scan# 14
Delta R.T. -0.435 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :

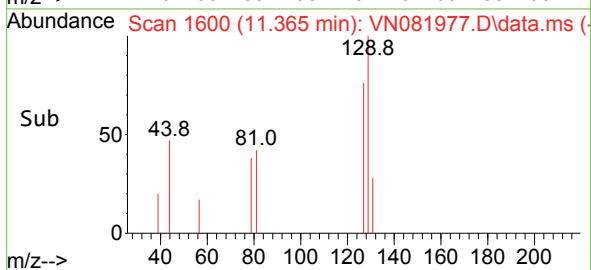
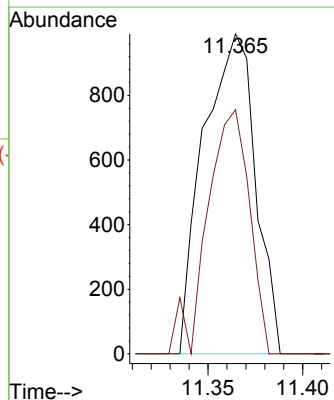
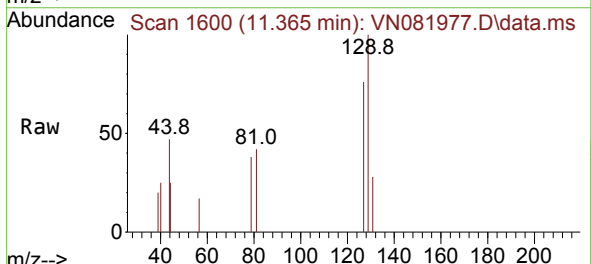


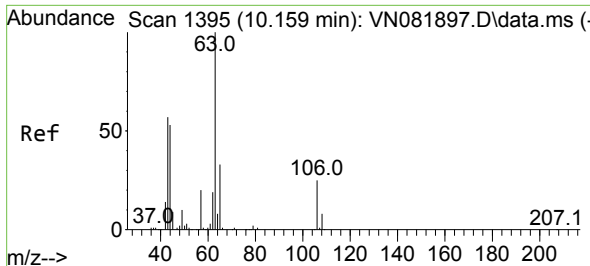
Tgt Ion: 97 Resp: 2952
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 195.9 47.0 70.4#



#53
Dibromochloromethane
Concen: 0.931 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Tgt Ion: 129 Resp: 1887
Ion Ratio Lower Upper
129 100
127 58.8 39.4 118.1

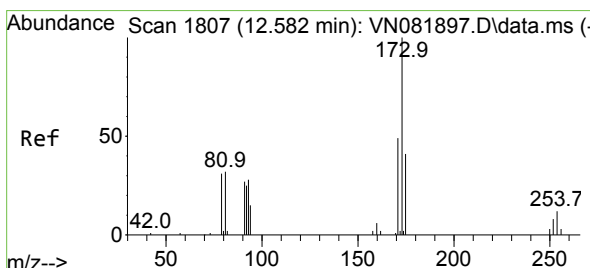
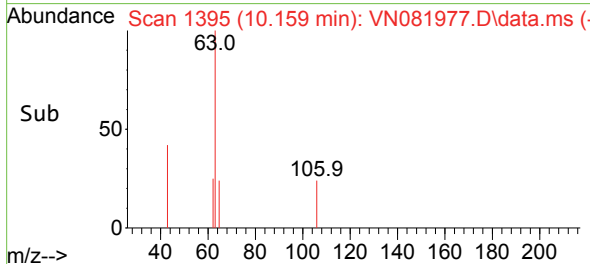
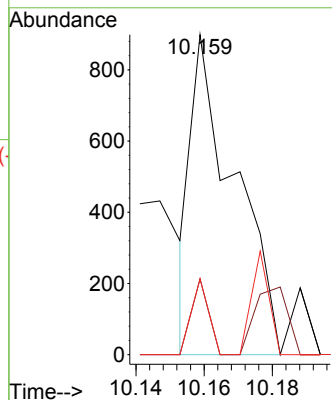
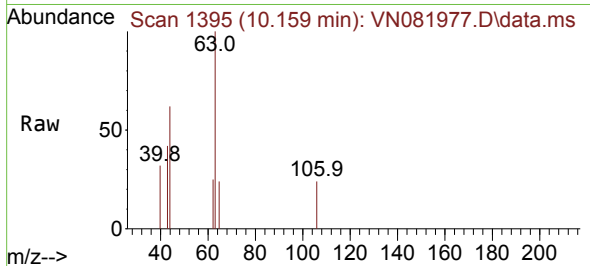




#55
2-Chloroethyl vinyl ether
Concen: 0.450 ug/l
RT: 10.159 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

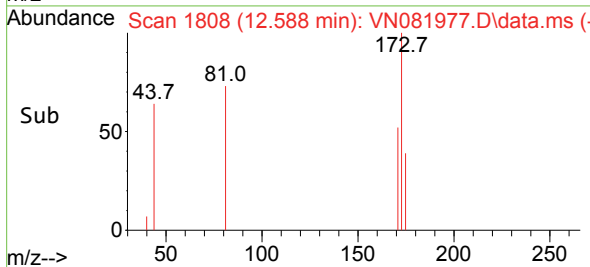
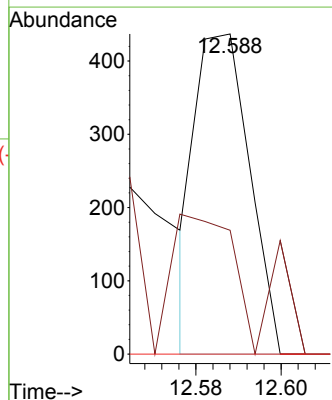
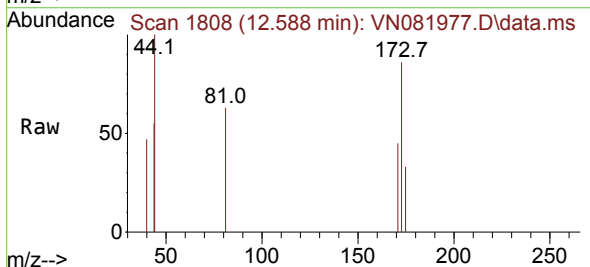
Instrument :
MSVOA_N
ClientSampleId :

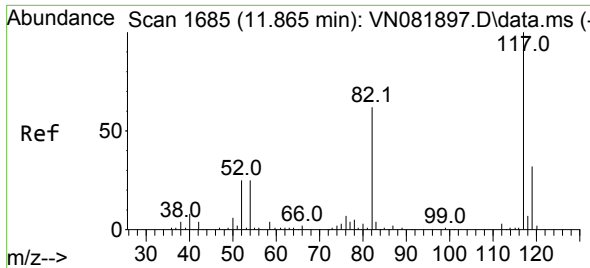
Tgt Ion: 63 Resp: 791
Ion Ratio Lower Upper
63 100
65 0.0 26.2 39.2#
106 0.0 23.8 35.8#



#56
Bromoform
Concen: 0.307 ug/l
RT: 12.588 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Tgt Ion: 173 Resp: 379
Ion Ratio Lower Upper
173 100
175 14.5 40.0 60.0#
254 0.0 8.3 12.5#

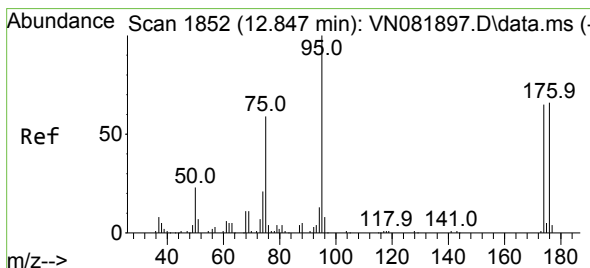
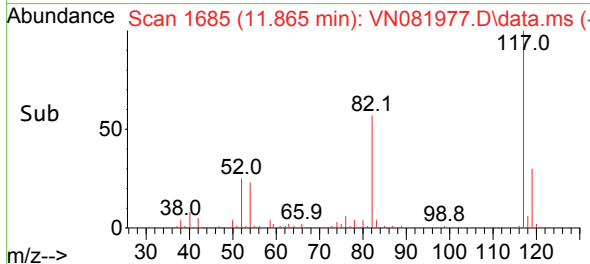
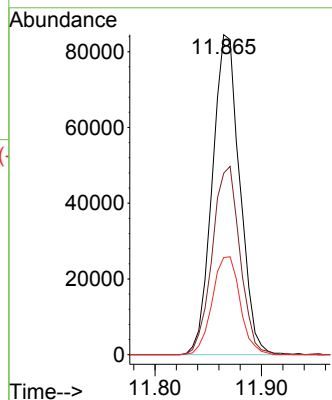
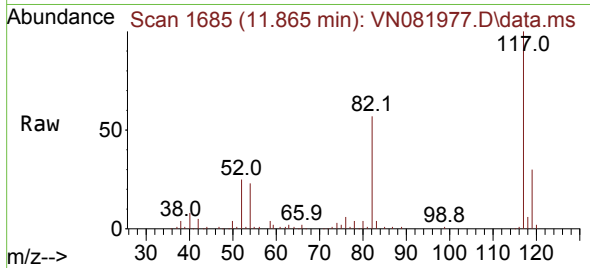




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

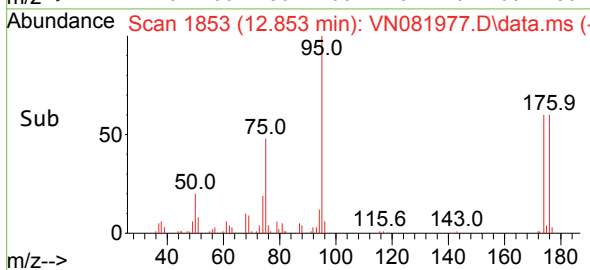
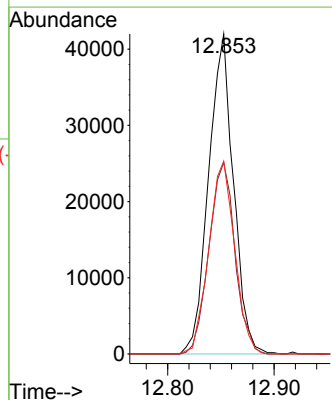
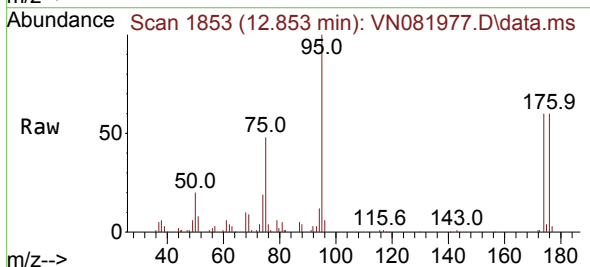
Instrument :
MSVOA_N
ClientSampleId :

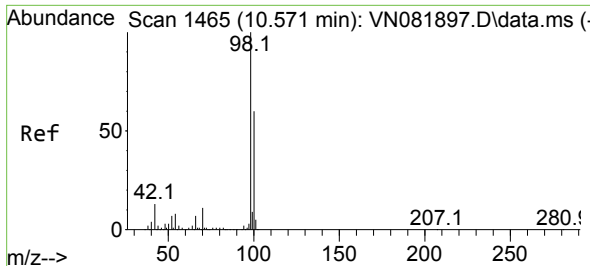
Tgt Ion:117 Resp: 150836
Ion Ratio Lower Upper
117 100
82 59.6 46.6 69.8
119 31.2 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 27.142 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Tgt Ion: 95 Resp: 68132
Ion Ratio Lower Upper
95 100
174 62.5 60.5 90.7
176 62.7 57.8 86.6

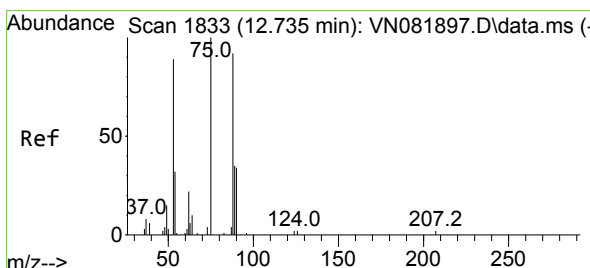
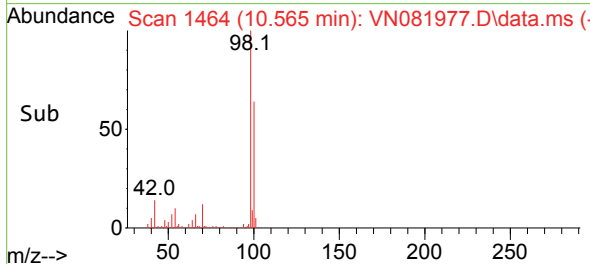
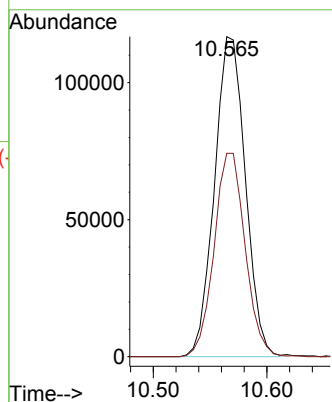
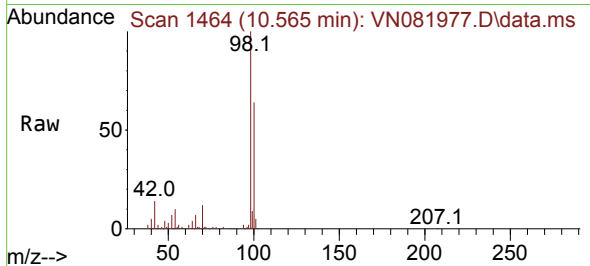




#63
Toluene-d8
Concen: 30.790 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 220557
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 35.518 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN081977.D
Acq: 02 May 2024 15:18

Tgt Ion: 75 Resp: 36861
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

