

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082117.D
 Acq On : 14 May 2024 15:48
 Operator : JC\MD
 Sample : VN0514WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 02:48:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

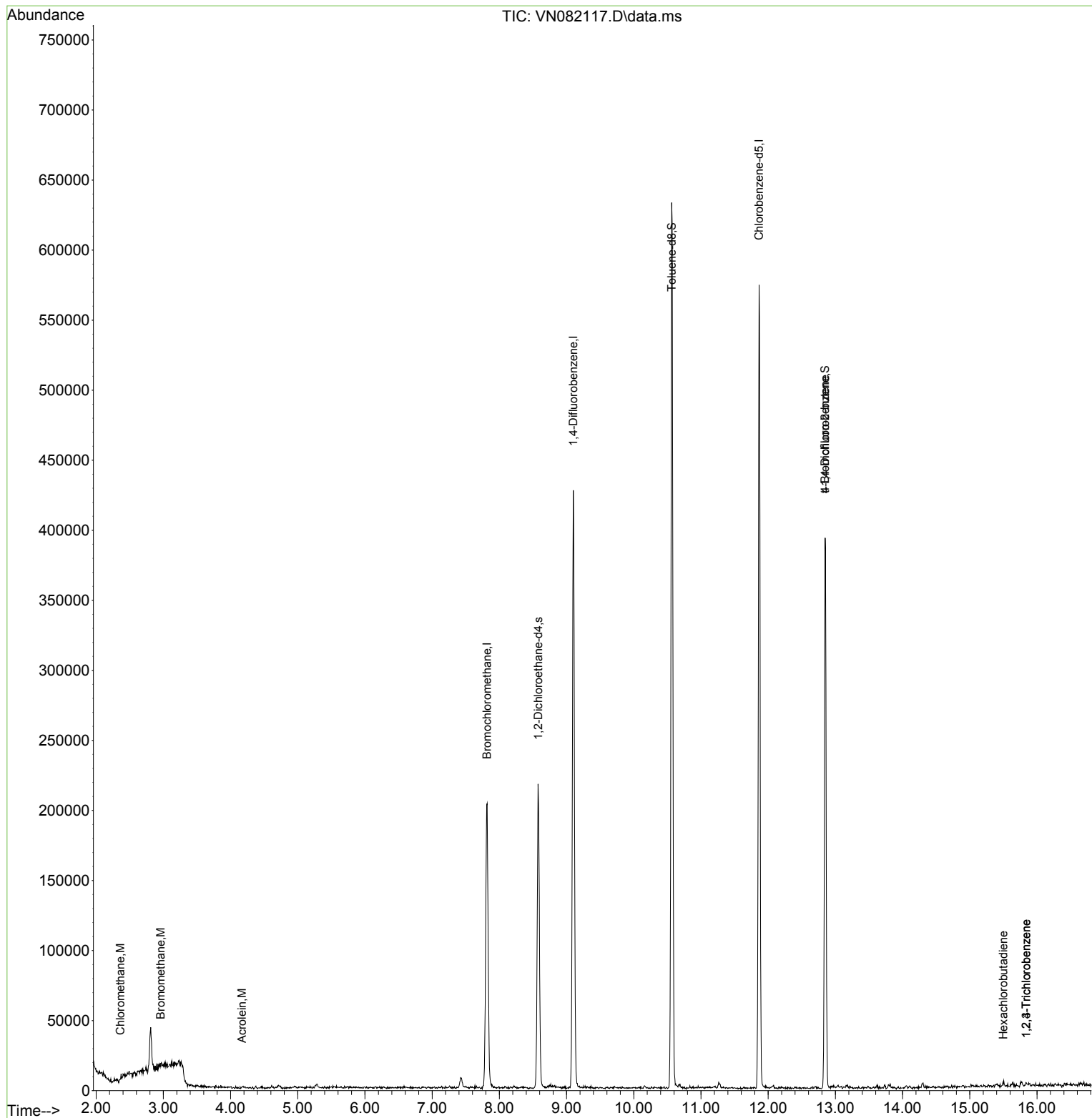
Internal Standards						
1) Bromochloromethane	7.818	128	63918	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	338478	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	298123	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	169516	31.676	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.600%
60) 4-Bromofluorobenzene	12.847	95	121921	24.574	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.900%
63) Toluene-d8	10.565	98	417843	29.513	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.367%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	864	0.205	ug/l #	43
5) Bromomethane	2.959	94	545	0.263	ug/l	94
13) Acrolein	4.171	56	292	0.281	ug/l #	15
77) t-1,4-Dichloro-2-butene	12.847	75	71918	35.043	ug/l #	12
89) 1,2,4-Trichlorobenzene	15.841	180	936	0.258	ug/l #	36
90) Hexachlorobutadiene	15.500	225	529	0.394	ug/l #	15
92) 1,2,3-Trichlorobenzene	15.841	180	936	0.258	ug/l #	36

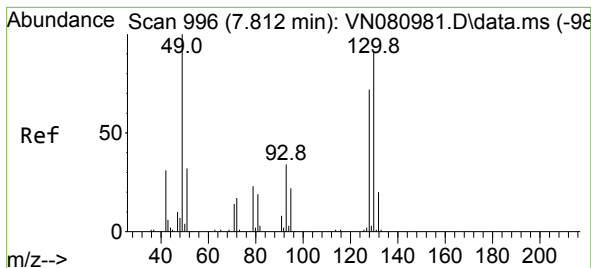
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
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QLast Update : Tue May 14 11:29:16 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 996

Delta R.T. 0.006 min

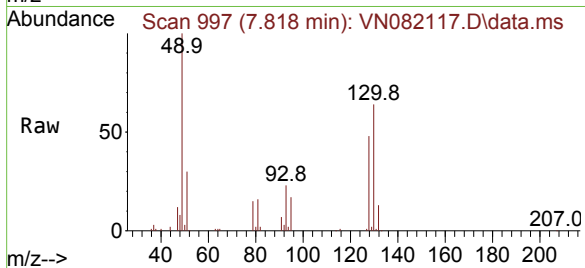
Lab File: VN082117.D

Acq: 14 May 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :



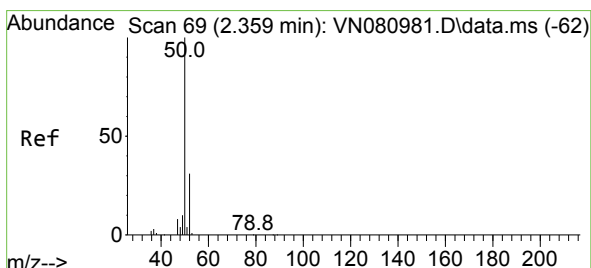
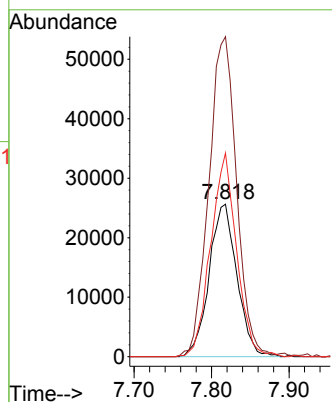
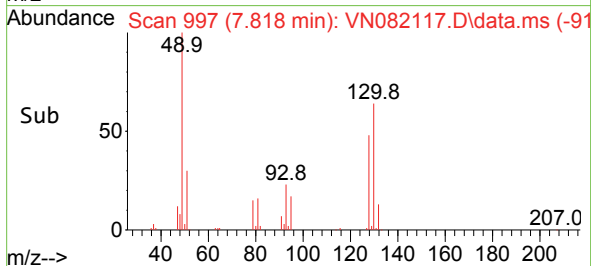
Tgt Ion:128 Resp: 63918

Ion Ratio Lower Upper

128 100

49 209.7 0.0 403.7

130 123.8 0.0 323.3



#3

Chloromethane

Concen: 0.205 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN082117.D

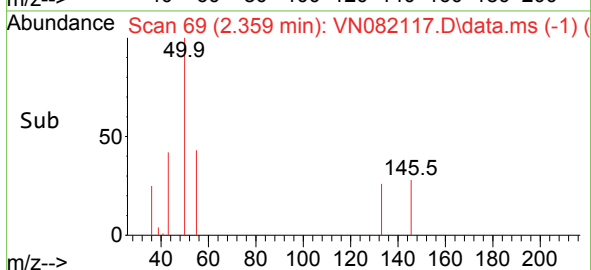
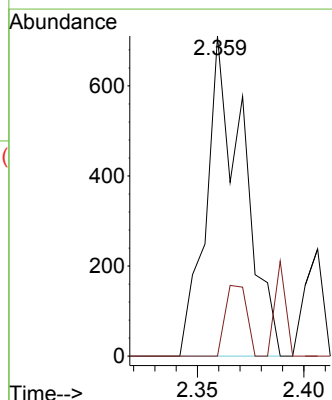
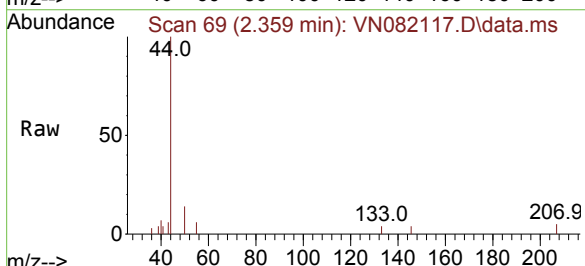
Acq: 14 May 2024 15:48

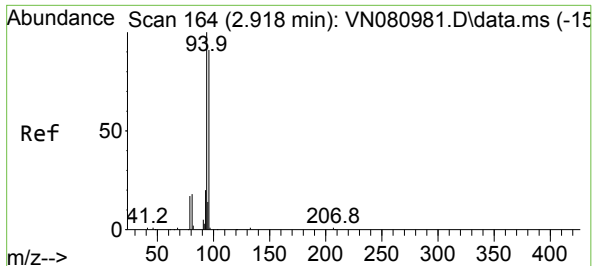
Tgt Ion: 50 Resp: 864

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.0#

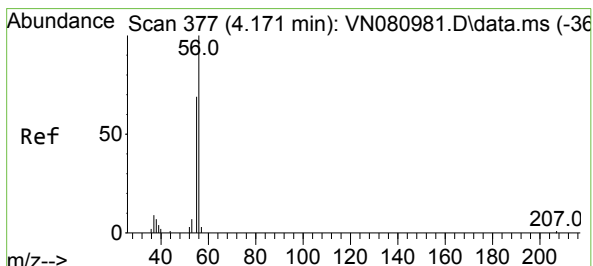
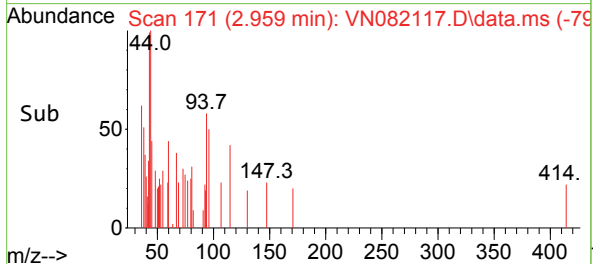
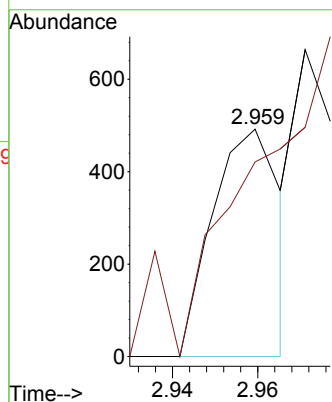
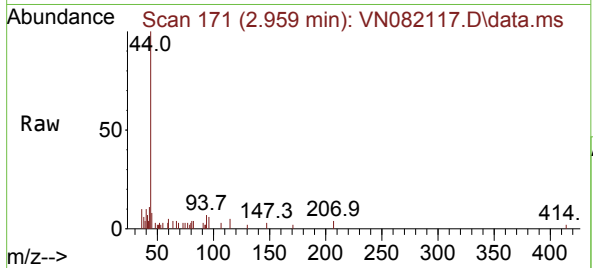




#5
Bromomethane
Concen: 0.263 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

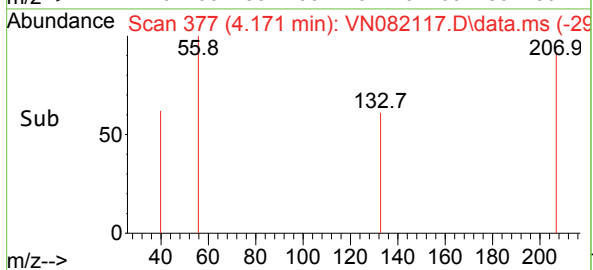
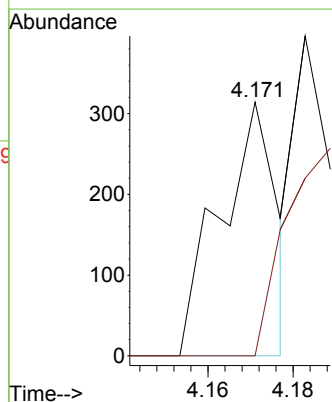
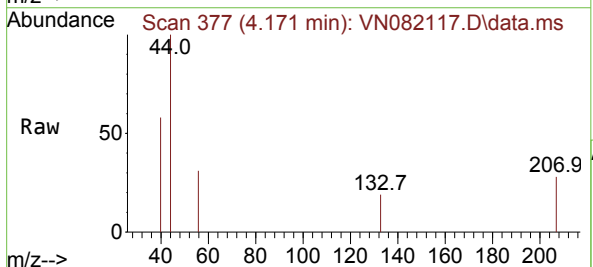
Instrument :
MSVOA_N
ClientSampleId :

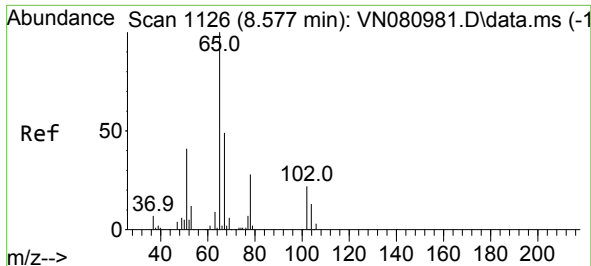
Tgt Ion: 94 Resp: 545
Ion Ratio Lower Upper
94 100
96 85.6 72.8 109.2



#13
Acrolein
Concen: 0.281 ug/l
RT: 4.171 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

Tgt Ion: 56 Resp: 292
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#27

1,2-Dichloroethane-d4

Concen: 31.676 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN082117.D

Acq: 14 May 2024 15:48

Instrument :

MSVOA_N

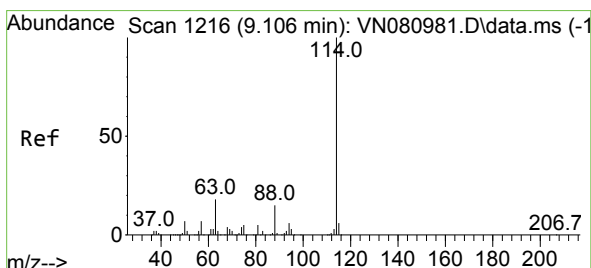
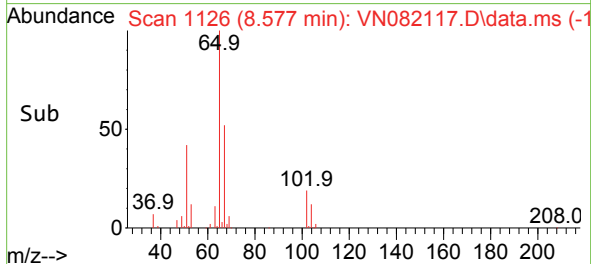
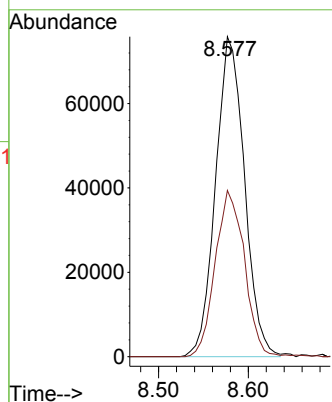
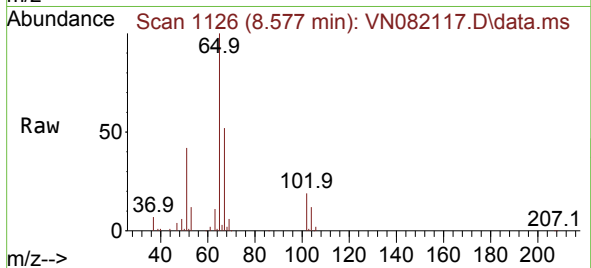
ClientSampleId :

Tgt Ion: 65 Resp: 169516

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# 1215

Delta R.T. -0.006 min

Lab File: VN082117.D

Acq: 14 May 2024 15:48

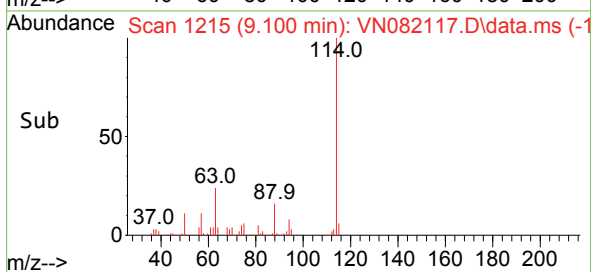
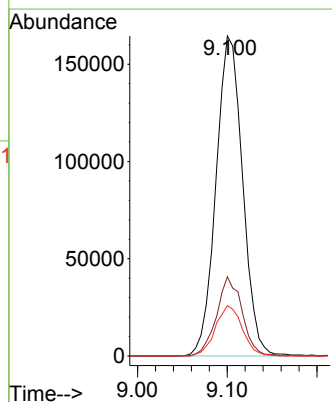
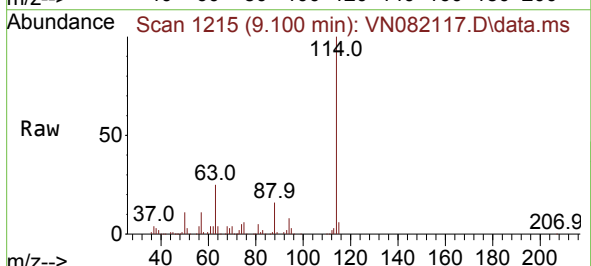
Tgt Ion: 114 Resp: 338478

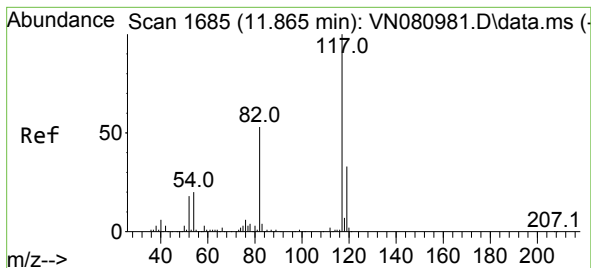
Ion Ratio Lower Upper

114 100

63 23.7 15.9 23.9

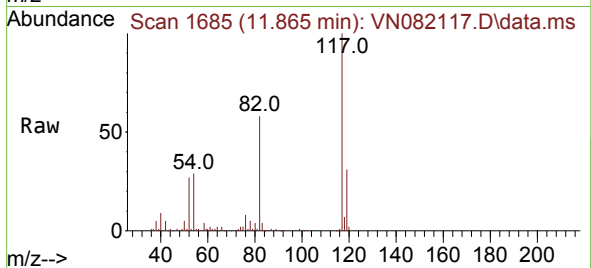
88 15.9 12.7 19.1



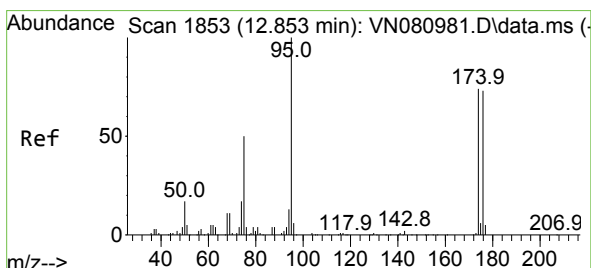
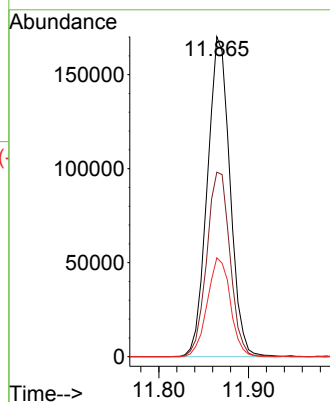
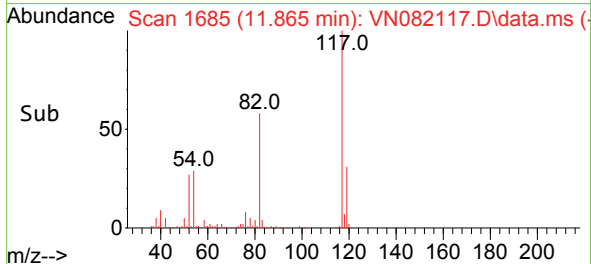


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

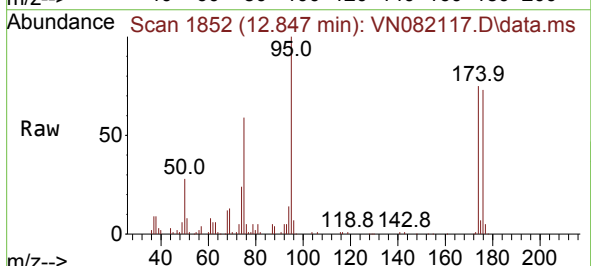
Instrument :
MSVOA_N
ClientSampleId :



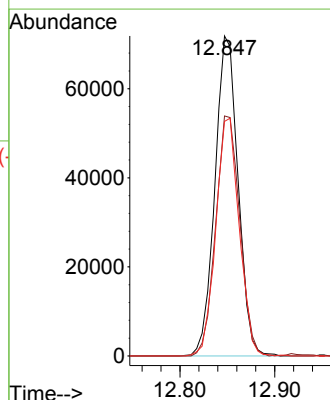
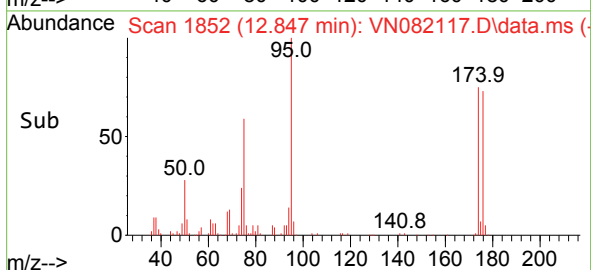
Tgt Ion:117 Resp: 298123
Ion Ratio Lower Upper
117 100
82 59.2 46.6 69.8
119 31.4 25.4 38.2

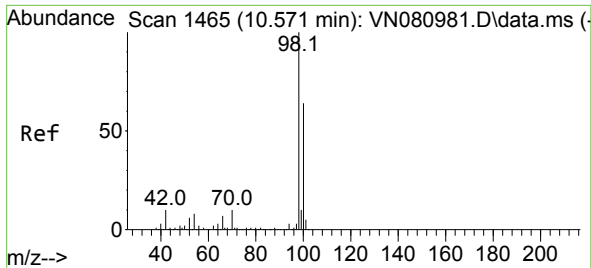


#60
4-Bromofluorobenzene
Concen: 24.574 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48



Tgt Ion: 95 Resp: 121921
Ion Ratio Lower Upper
95 100
174 78.1 60.5 90.7
176 75.1 57.8 86.6

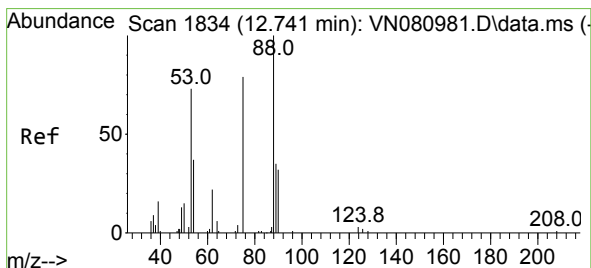
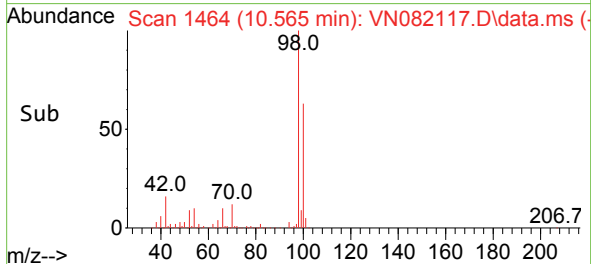
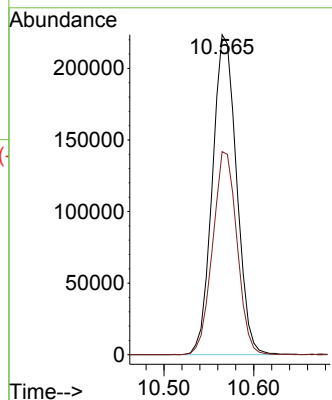
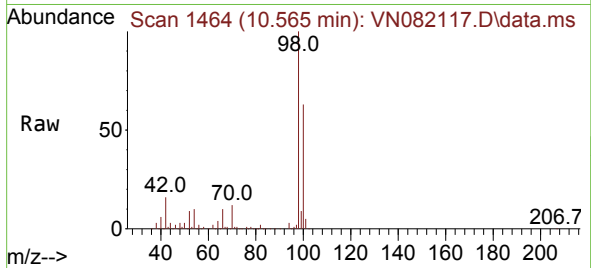




#63
Toluene-d8
Concen: 29.513 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

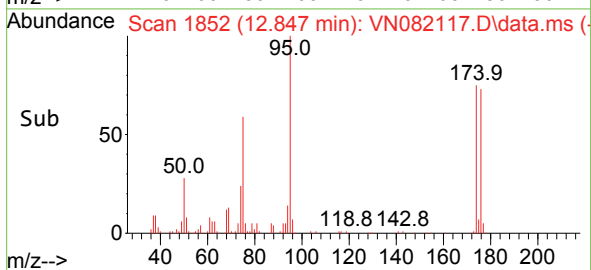
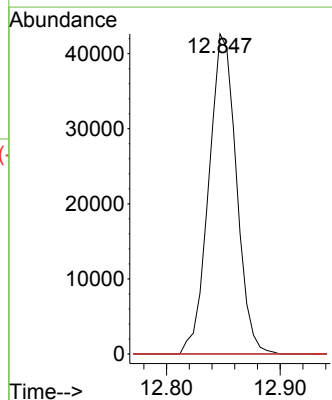
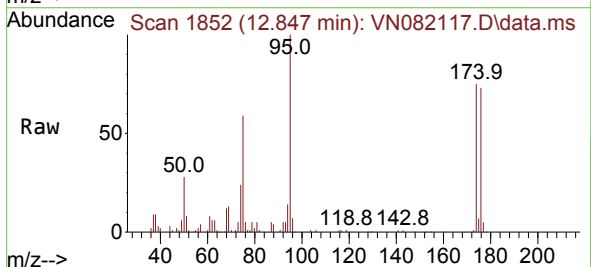
Instrument :
MSVOA_N
ClientSampleId :

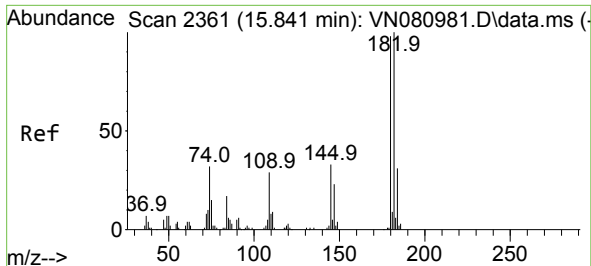
Tgt Ion: 98 Resp: 417843
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 35.043 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082117.D
Acq: 14 May 2024 15:48

Tgt Ion: 75 Resp: 71918
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.258 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.000 min

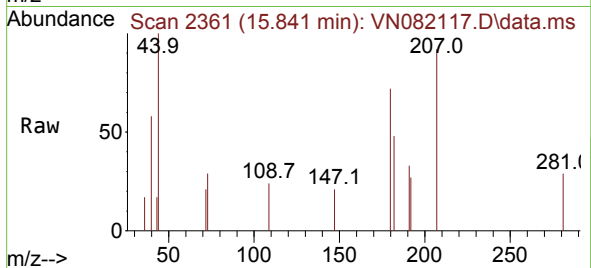
Lab File: VN082117.D

Acq: 14 May 2024 15:48

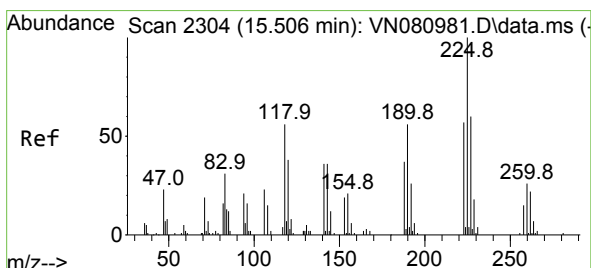
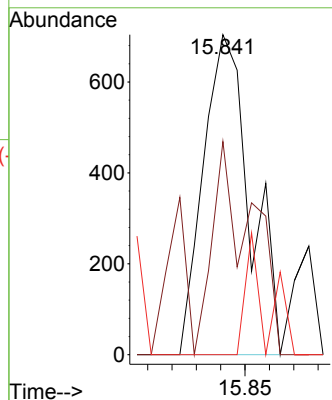
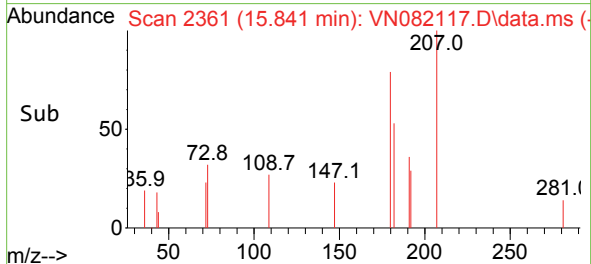
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	180	Resp:	936
Ion Ratio	Lower	Upper	
180	100		
182	31.9	76.4	114.6#
145	0.0	28.4	42.6#



#90

Hexachlorobutadiene

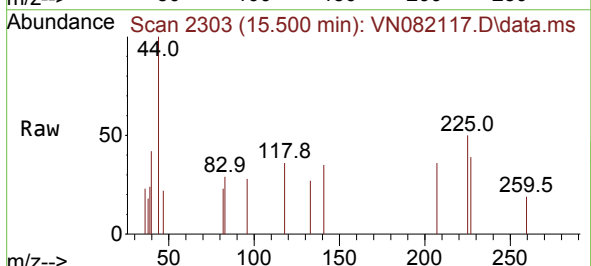
Concen: 0.394 ug/l

RT: 15.500 min Scan# 2303

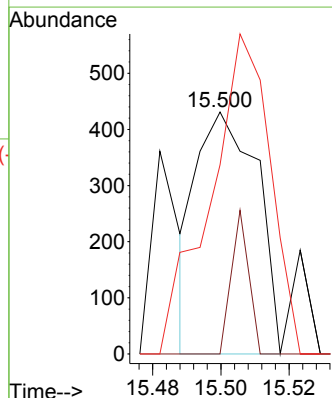
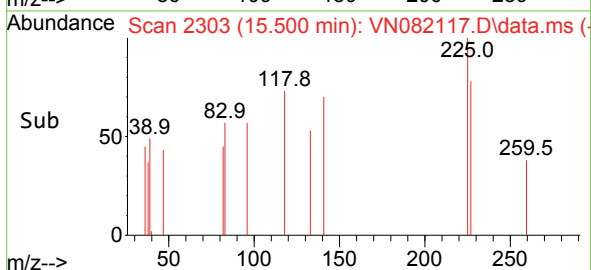
Delta R.T. -0.006 min

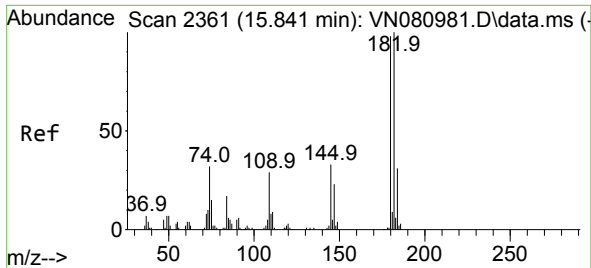
Lab File: VN082117.D

Acq: 14 May 2024 15:48



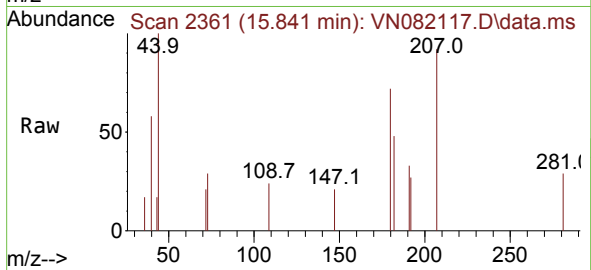
Tgt Ion:	225	Resp:	529
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	126.6
227	131.6	0.0	126.6#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN082117.D
 Acq: 14 May 2024 15:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	936
Ion	Ratio	Lower	Upper
180	100		
182	31.9	0.0	191.0
145	0.0	0.0	71.0

