

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080987.D
 Acq On : 09 Feb 2024 14:02
 Operator : JC\MD
 Sample : VN0209WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 10 02:03:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:52:21 2024
 Response via : Initial Calibration

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

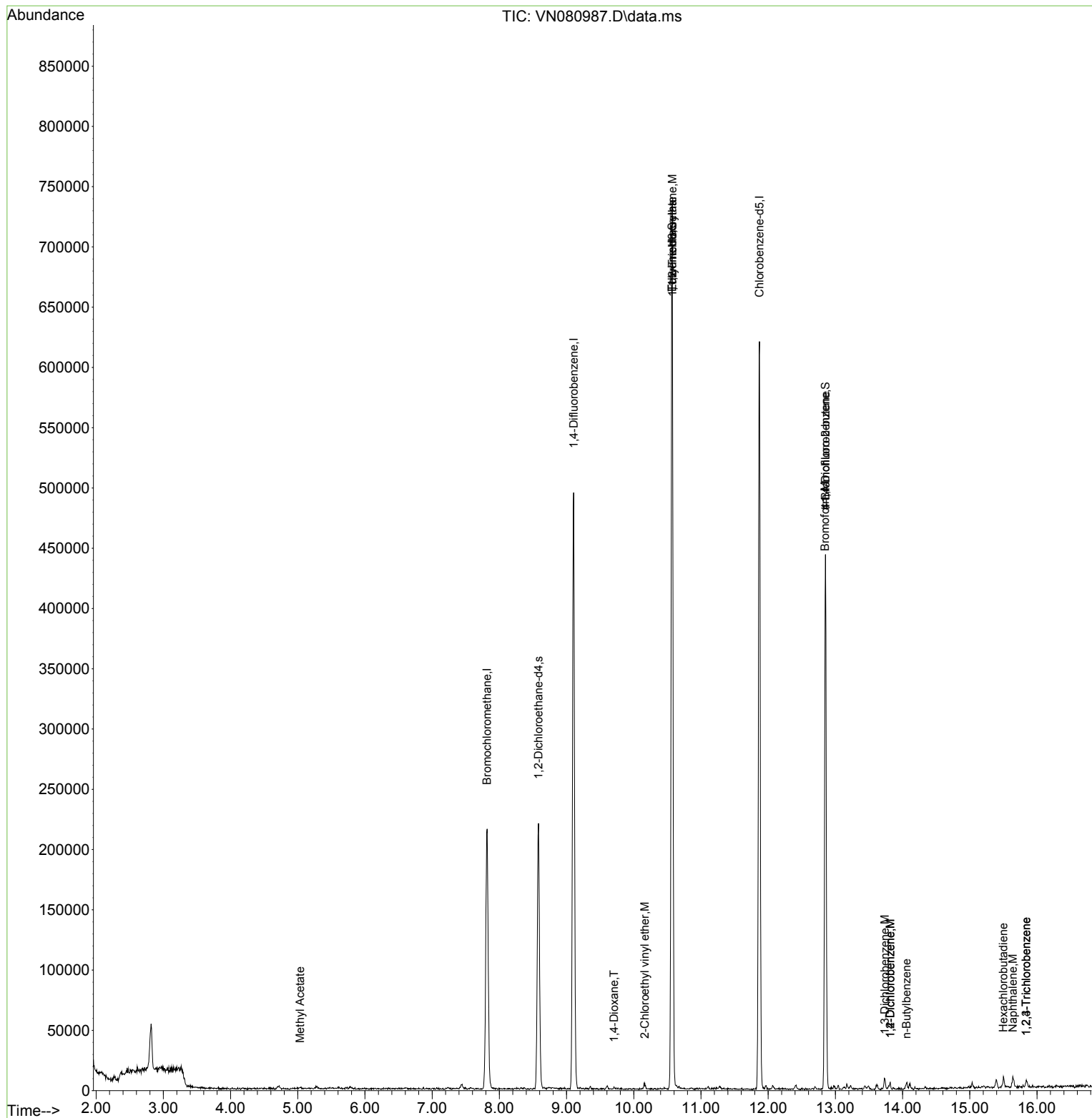
Internal Standards						
1) Bromochloromethane	7.818	128	78181	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	435165	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	372896	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	175466	29.869	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.567%
60) 4-Bromofluorobenzene	12.853	95	155126	27.211	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.700%
63) Toluene-d8	10.571	98	515147	30.784	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.600%
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.036	43	1028	0.254	ug/l #	40
45) 1,4-Dioxane	9.706	88	181	2.144	ug/l #	1
50) 1,1,2-Trichloroethane	10.576	97	16195	3.274	ug/l #	1
51) Ethyl methacrylate	10.571	69	1569	0.227	ug/l #	41
55) 2-Chloroethyl vinyl ether	10.165	63	1936	0.546	ug/l #	82
56) Bromoform	12.847	173	1315	0.383	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	79590	43.254	ug/l #	12
83) 1,3-Dichlorobenzene	13.735	146	1899	0.211	ug/l	84
84) 1,4-Dichlorobenzene	13.817	146	2265	0.250	ug/l	88
85) n-Butylbenzene	14.059	91	3787	0.285	ug/l	84
87) 1,2-Dichlorobenzene	13.817	146	2265	0.258	ug/l	87
89) 1,2,4-Trichlorobenzene	15.841	180	1470	0.343	ug/l #	57
90) Hexachlorobutadiene	15.500	225	1334	0.709	ug/l	79
91) Naphthalene	15.641	128	3894	0.256	ug/l #	88
92) 1,2,3-Trichlorobenzene	15.841	180	1470	0.343	ug/l	57

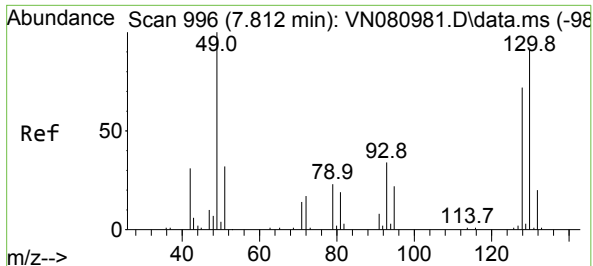
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
Data File : VN080987.D
Acq On : 09 Feb 2024 14:02
Operator : JC\MD
Sample : VN0209WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

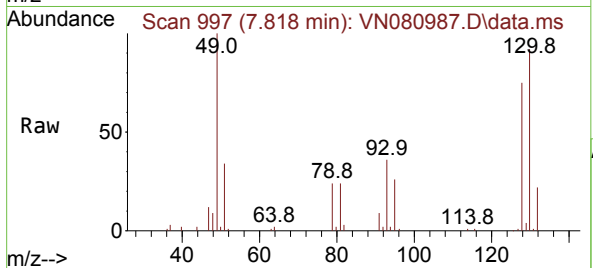
Quant Time: Feb 10 02:03:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 10 01:52:21 2024
Response via : Initial Calibration



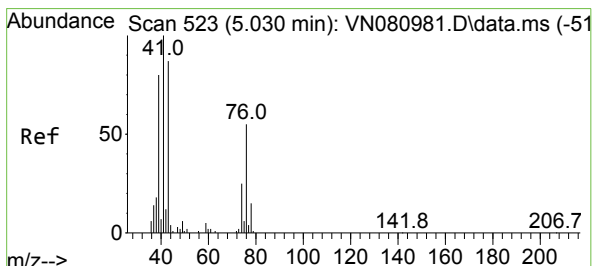
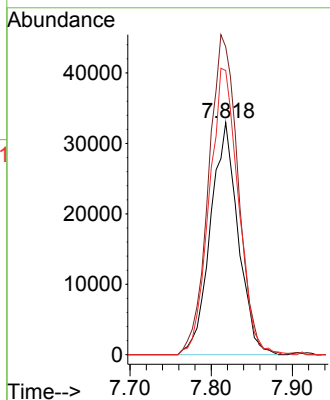
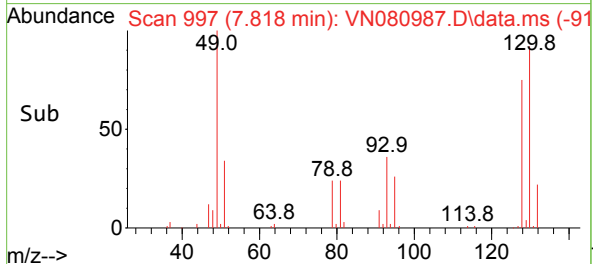


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

Instrument :
MSVOA_N
ClientSampleId :

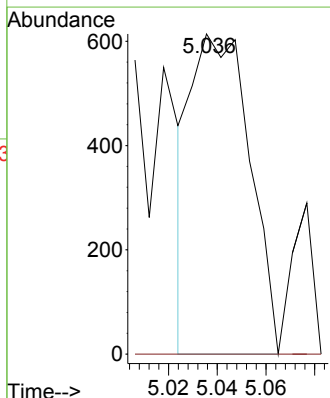
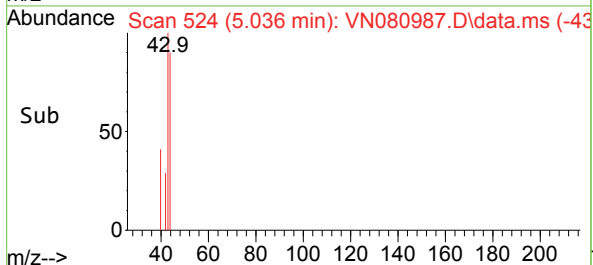
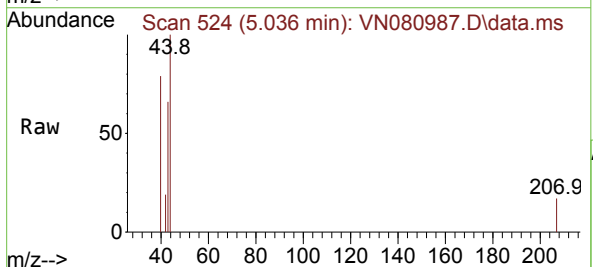


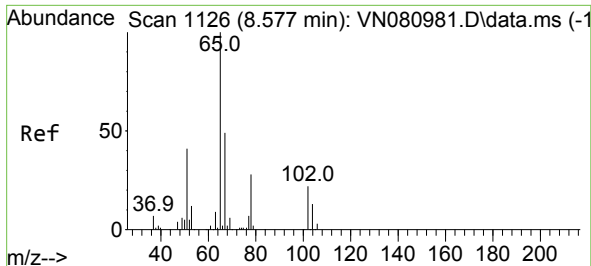
Tgt Ion:128 Resp: 78181
Ion Ratio Lower Upper
128 100
49 146.4 0.0 403.7
130 129.9 0.0 323.3



#12
Methyl Acetate
Concen: 0.254 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
74 0.0 27.7 41.5#





#27

1,2-Dichloroethane-d4

Concen: 29.869 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080987.D

Acq: 09 Feb 2024 14:02

Instrument :

MSVOA_N

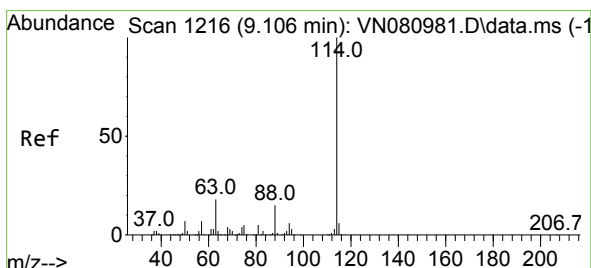
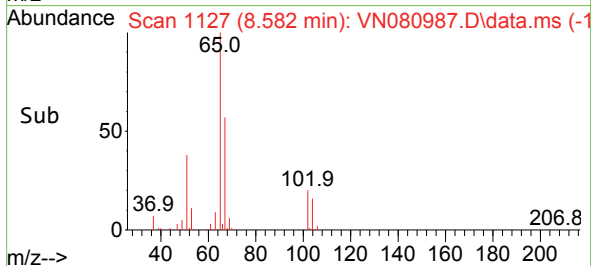
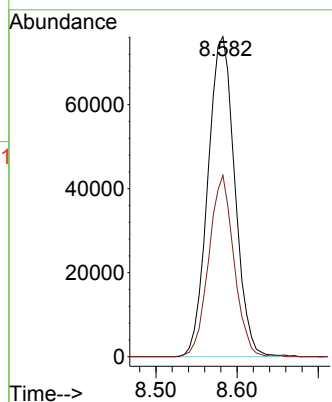
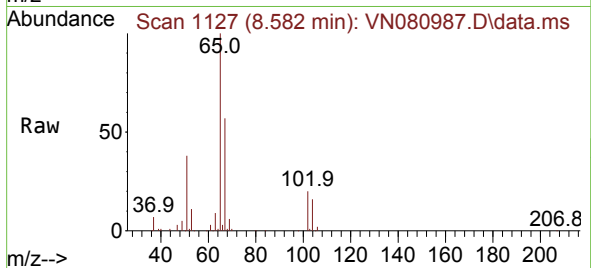
ClientSampleId :

Tgt Ion: 65 Resp: 175466

Ion Ratio Lower Upper

65 100

67 52.9 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080987.D

Acq: 09 Feb 2024 14:02

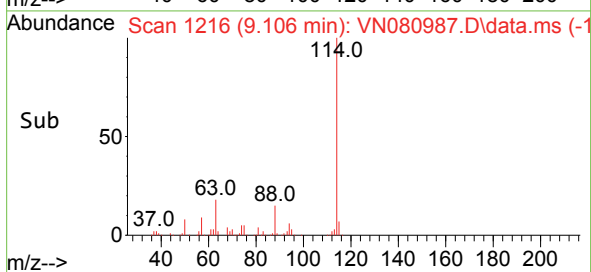
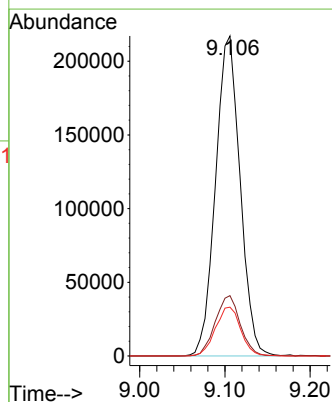
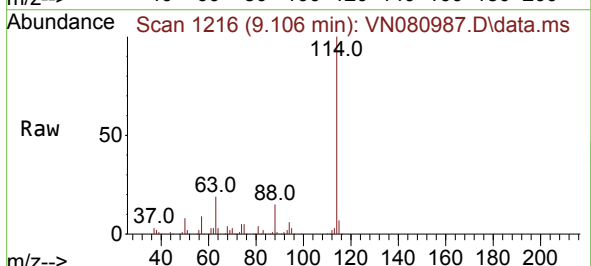
Tgt Ion: 114 Resp: 435165

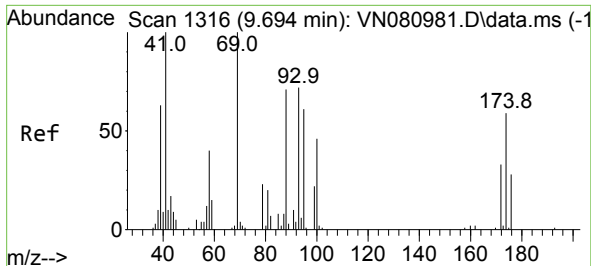
Ion Ratio Lower Upper

114 100

63 19.2 15.9 23.9

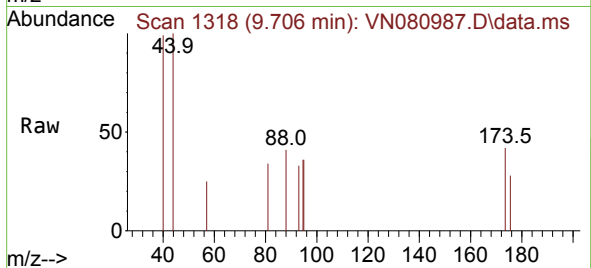
88 15.8 12.7 19.1



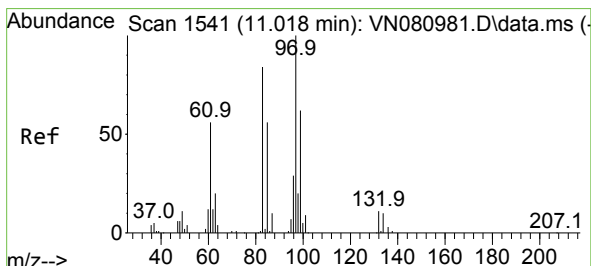
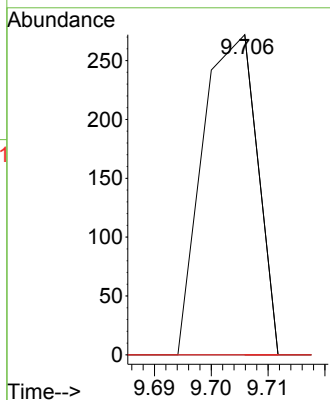
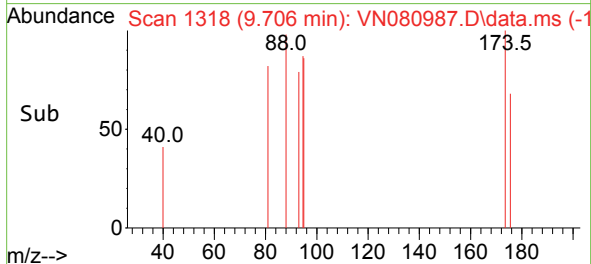


#45
1,4-Dioxane
Concen: 2.144 ug/l
RT: 9.706 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

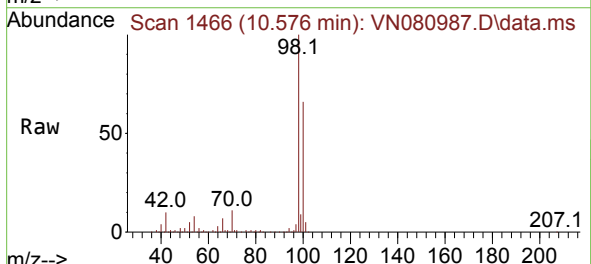
Instrument :
MSVOA_N
ClientSampleId :



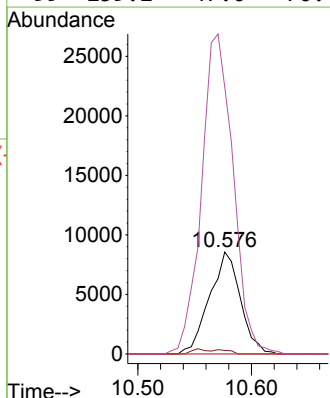
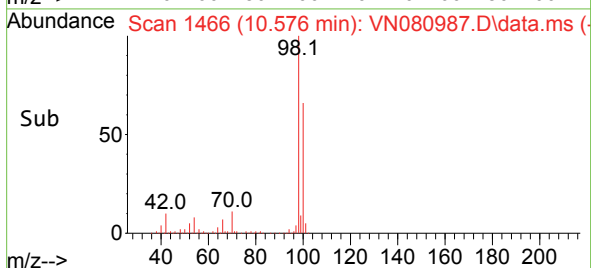
Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 148.6 19.8 29.6#
58 0.0 55.4 83.0#

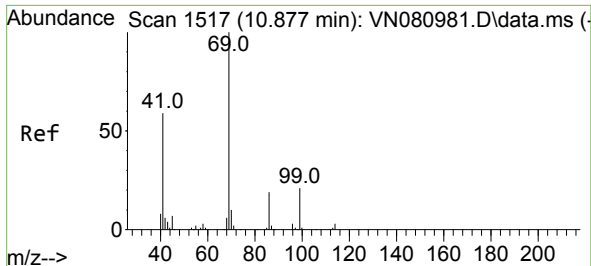


#50
1,1,2-Trichloroethane
Concen: 3.274 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02



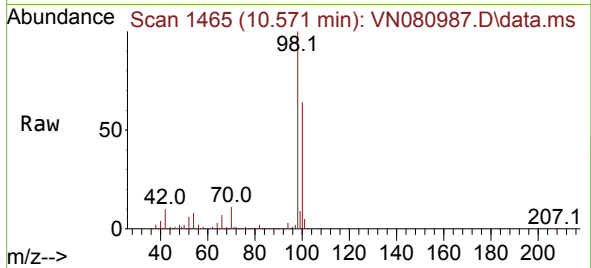
Tgt Ion: 97 Resp: 16195
Ion Ratio Lower Upper
97 100
83 3.5 68.1 102.1#
85 0.0 41.8 62.6#
99 259.2 47.0 70.4#



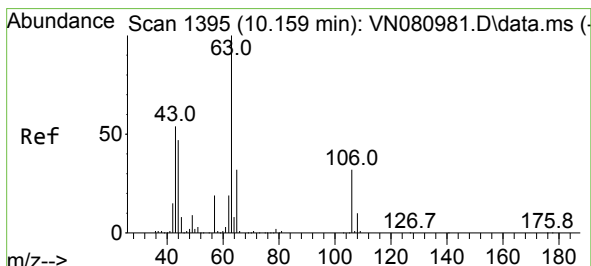
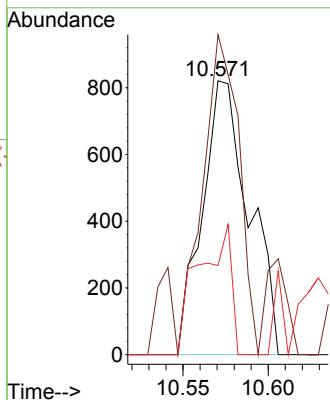
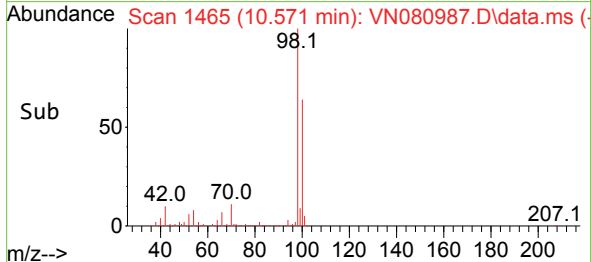


#51
Ethyl methacrylate
Concen: 0.227 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.306 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

Instrument :
MSVOA_N
ClientSampleId :

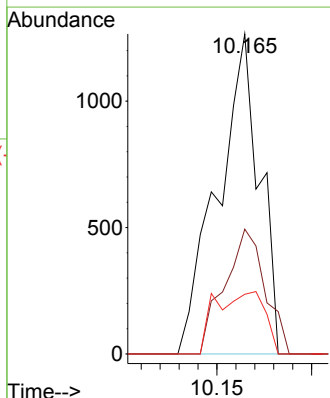
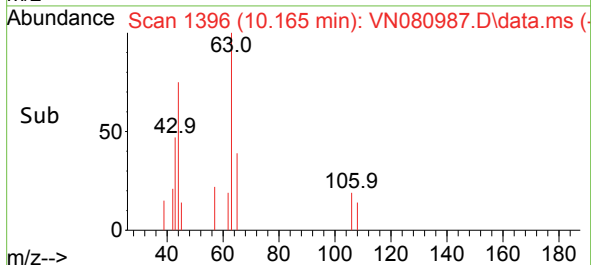
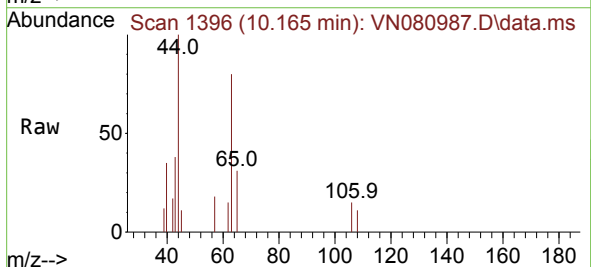


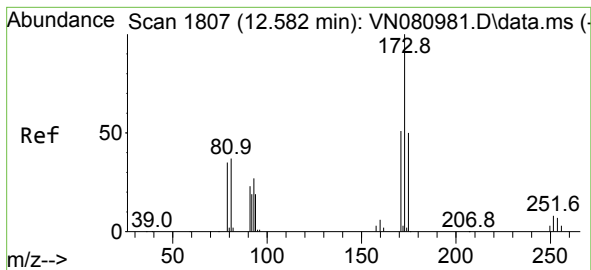
Tgt Ion: 69 Resp: 1569
Ion Ratio Lower Upper
69 100
41 116.8 25.5 76.5#
39 32.5 16.0 47.9



#55
2-Chloroethyl vinyl ether
Concen: 0.546 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

Tgt Ion: 63 Resp: 1936
Ion Ratio Lower Upper
63 100
65 38.1 26.2 39.2
106 15.4 23.8 35.8#





#56

Bromoform

Concen: 0.383 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN080987.D

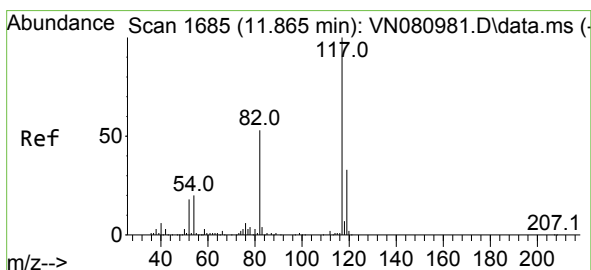
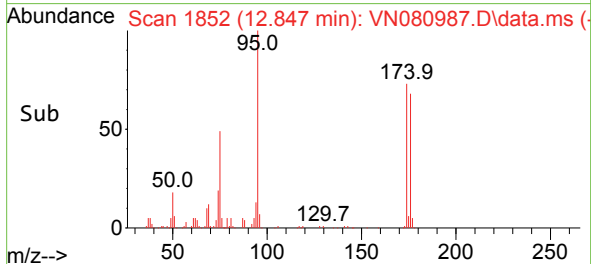
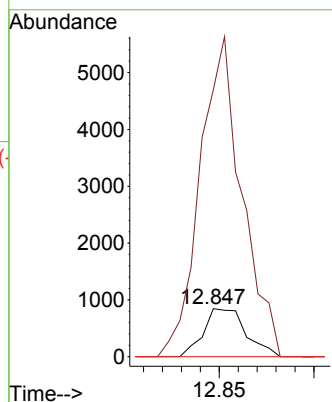
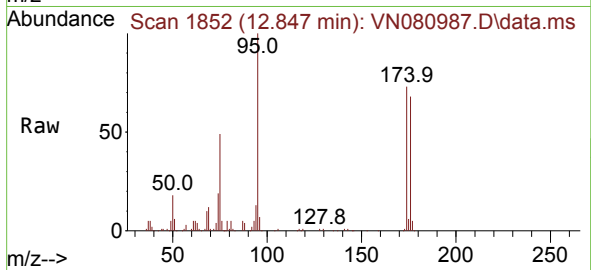
Acq: 09 Feb 2024 14:02

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	1315
Ion Ratio	Lower	Upper
173	100	
175	658.7	40.0 60.0#
254	0.0	8.3 12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

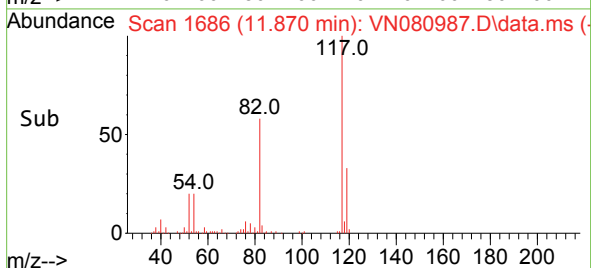
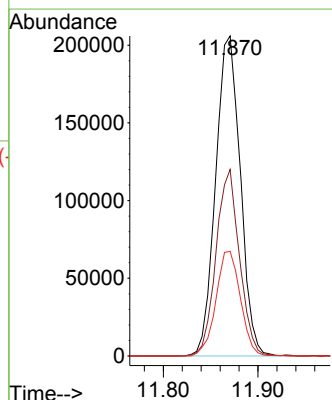
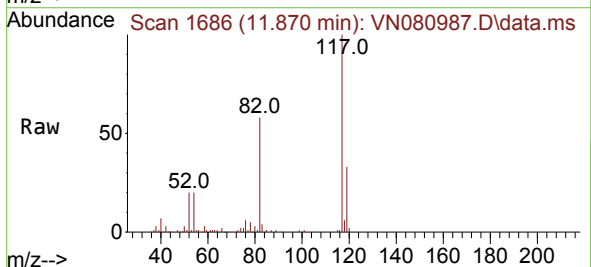
RT: 11.870 min Scan# 1686

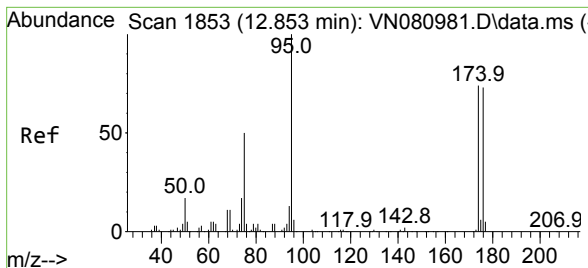
Delta R.T. 0.006 min

Lab File: VN080987.D

Acq: 09 Feb 2024 14:02

Tgt Ion:117	Resp:	372896
Ion Ratio	Lower	Upper
117	100	
82	55.4	46.6 69.8
119	32.4	25.4 38.2

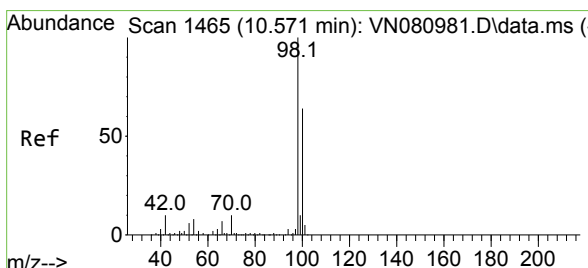
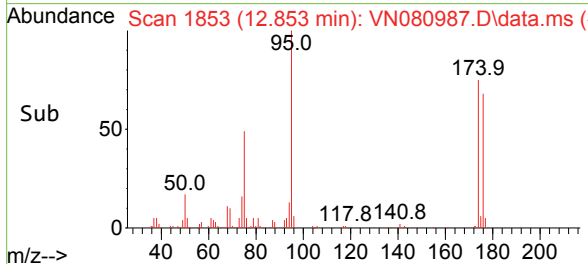
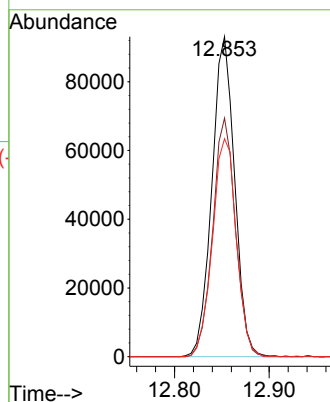
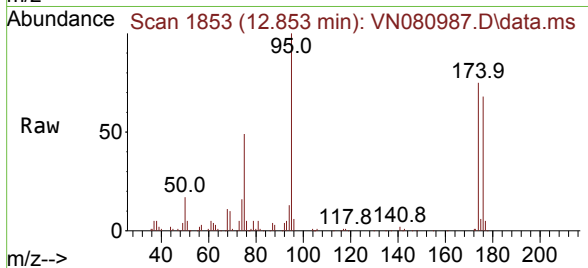




#60
4-Bromofluorobenzene
Concen: 27.211 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

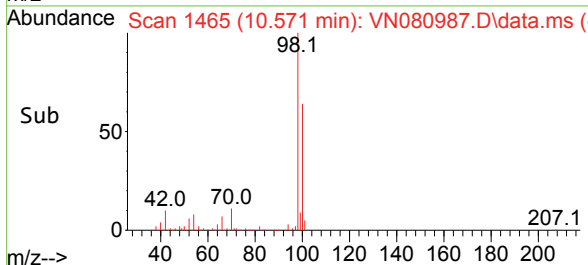
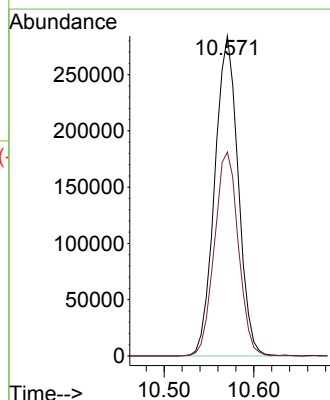
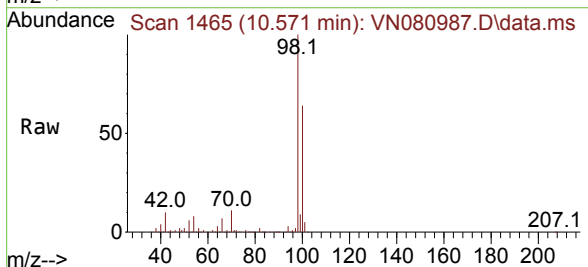
Instrument :
MSVOA_N
ClientSampleId :

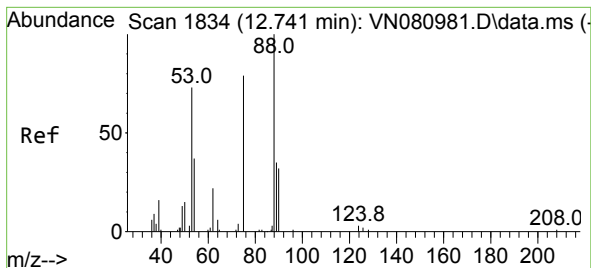
Tgt Ion: 95 Resp: 155126
Ion Ratio Lower Upper
95 100
174 74.7 60.5 90.7
176 71.6 57.8 86.6



#63
Toluene-d8
Concen: 30.784 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

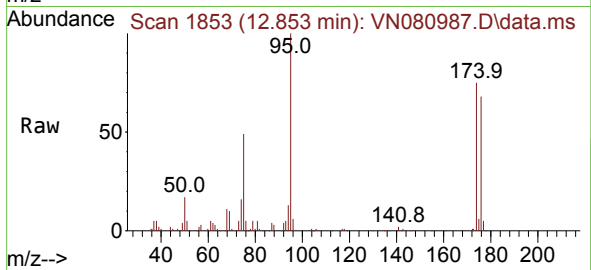
Tgt Ion: 98 Resp: 515147
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



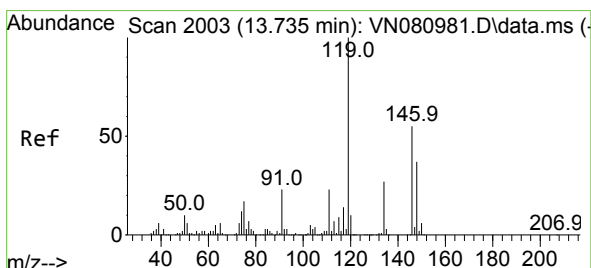
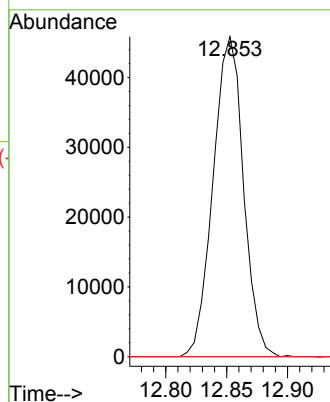
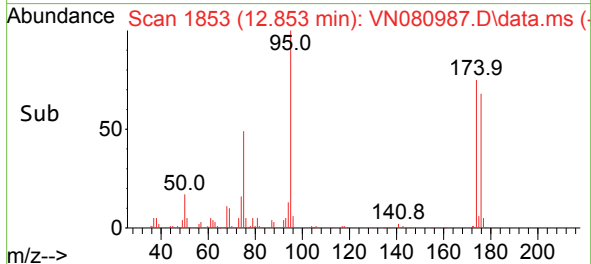


#77
t-1,4-Dichloro-2-butene
Concen: 43.254 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

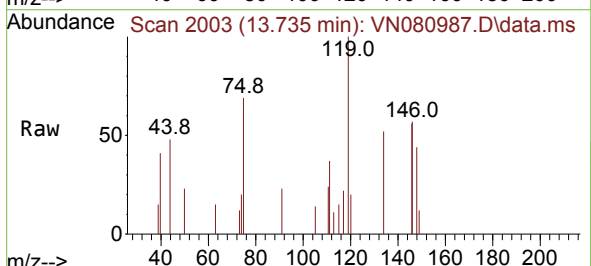
Instrument :
MSVOA_N
ClientSampleId :



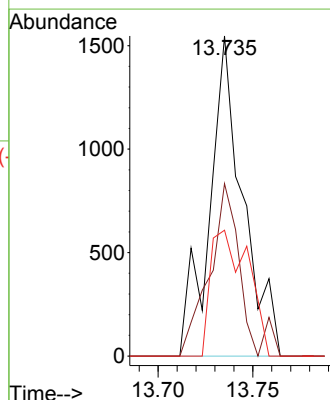
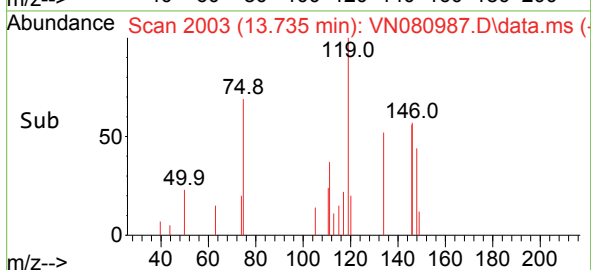
Tgt Ion: 75 Resp: 79590
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

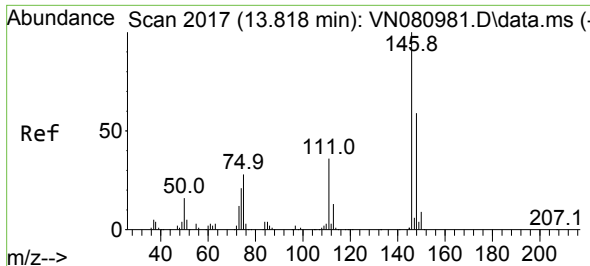


#83
1,3-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02



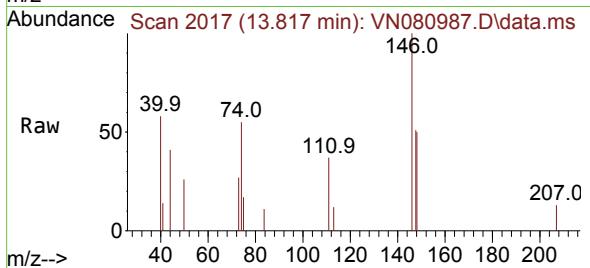
Tgt Ion: 146 Resp: 1899
Ion Ratio Lower Upper
146 100
111 46.6 22.4 67.0
148 44.3 32.1 96.5



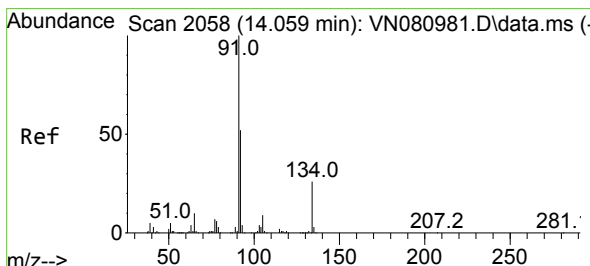
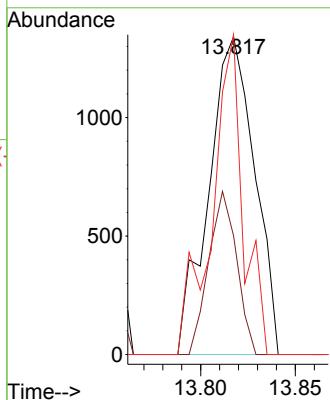
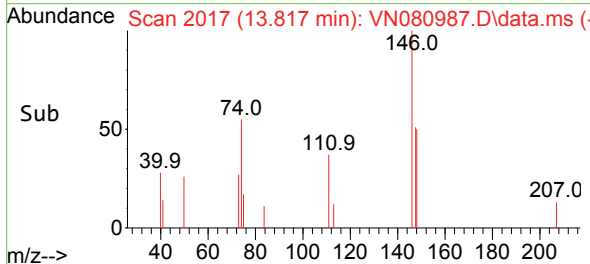


#84
1,4-Dichlorobenzene
Concen: 0.250 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

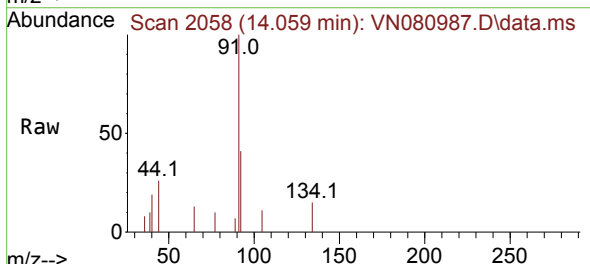
Instrument :
MSVOA_N
ClientSampleId :



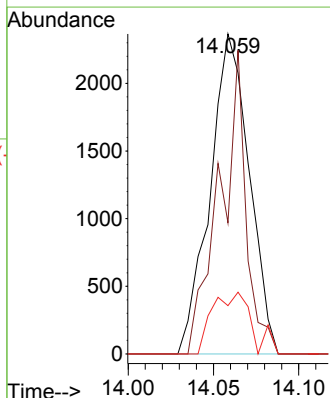
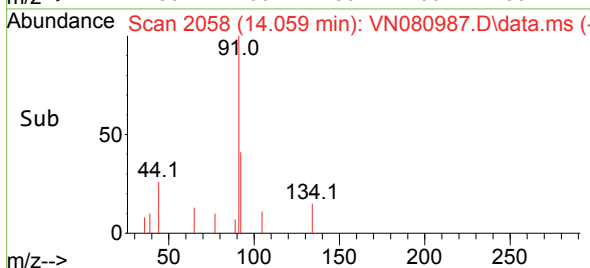
Tgt Ion:146 Resp: 2265
Ion Ratio Lower Upper
146 100
111 31.3 21.3 63.9
148 57.4 31.9 95.5

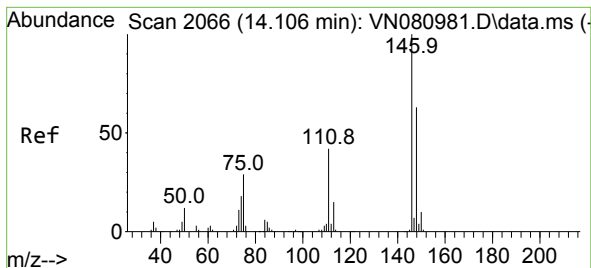


#85
n-Butylbenzene
Concen: 0.285 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02



Tgt Ion: 91 Resp: 3787
Ion Ratio Lower Upper
91 100
92 63.4 0.0 105.0
134 17.3 0.0 51.8





#87

1,2-Dichlorobenzene

Concen: 0.258 ug/l

RT: 13.817 min Scan# 2066

Delta R.T. -0.288 min

Lab File: VN080987.D

Acq: 09 Feb 2024 14:02

Instrument :

MSVOA_N

ClientSampleId :

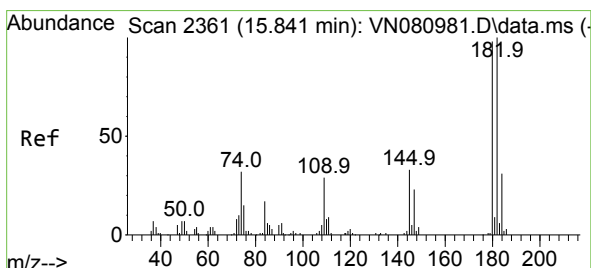
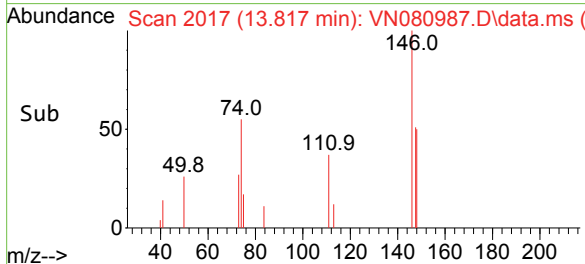
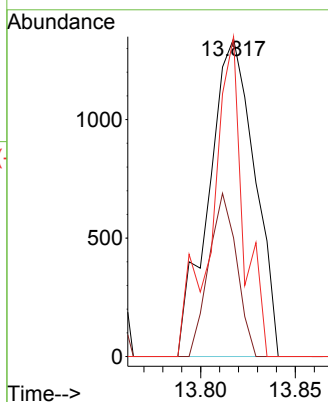
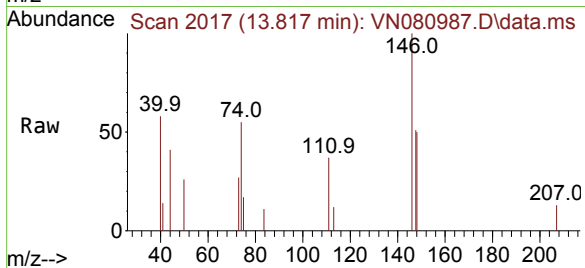
Tgt Ion:146 Resp: 2265

Ion Ratio Lower Upper

146 100

111 31.3 22.6 67.8

148 57.4 31.3 93.8



#89

1,2,4-Trichlorobenzene

Concen: 0.343 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN080987.D

Acq: 09 Feb 2024 14:02

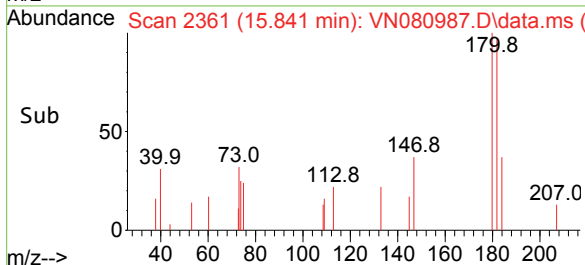
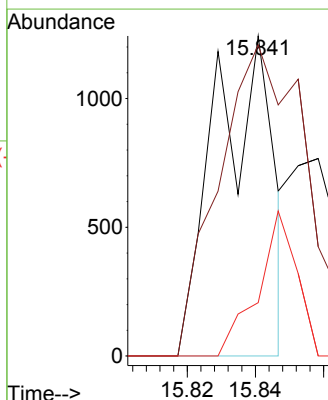
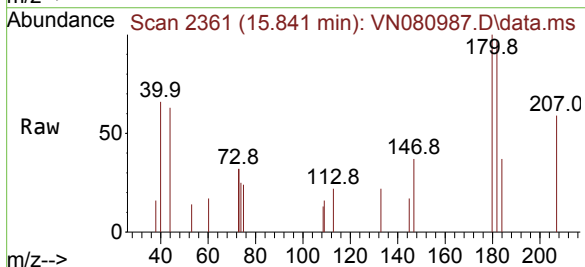
Tgt Ion:180 Resp: 1470

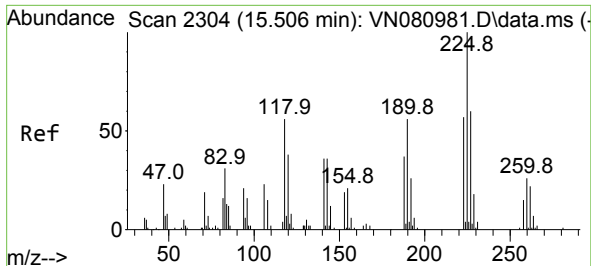
Ion Ratio Lower Upper

180 100

182 150.1 76.4 114.6#

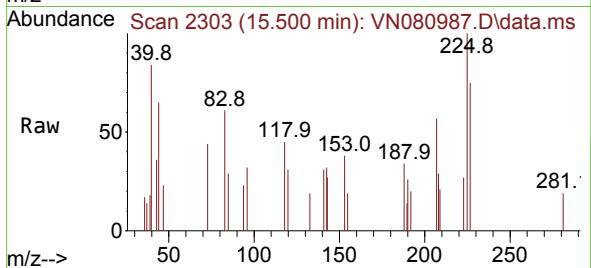
145 30.1 28.4 42.6



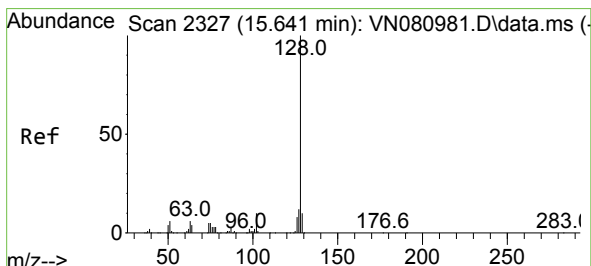
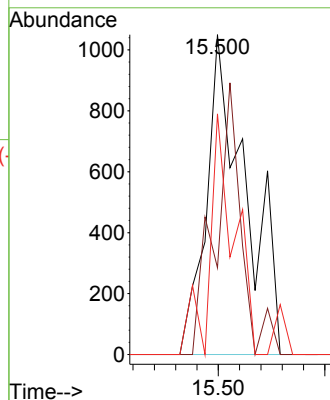
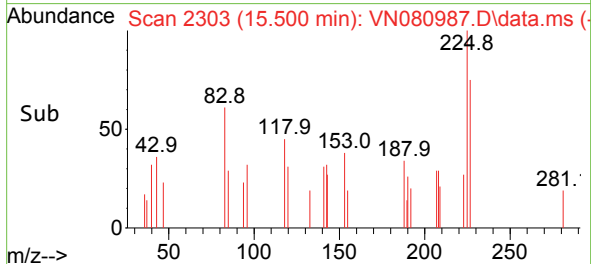


#90
Hexachlorobutadiene
Concen: 0.709 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

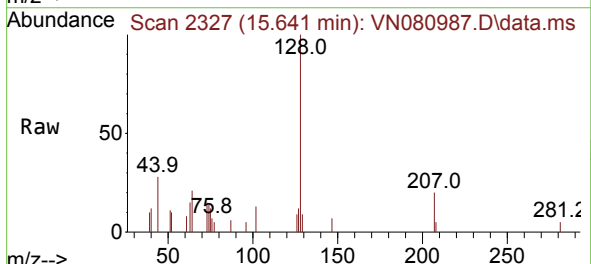
Instrument :
MSVOA_N
ClientSampleId :



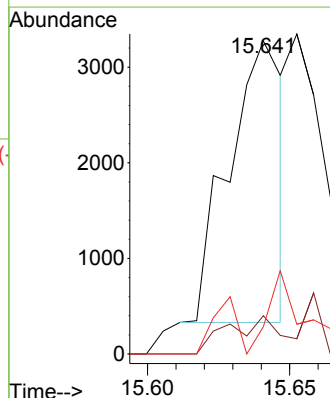
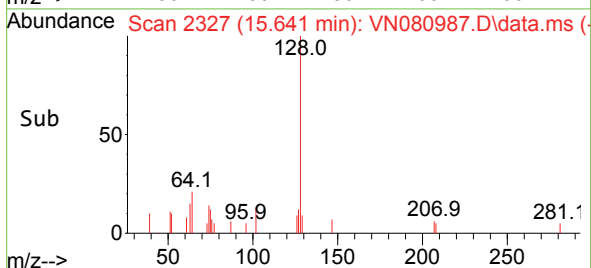
Tgt Ion:225 Resp: 1334
Ion Ratio Lower Upper
225 100
223 52.5 0.0 126.6
227 41.9 0.0 126.6

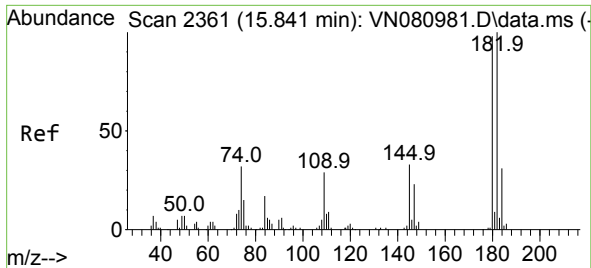


#91
Naphthalene
Concen: 0.256 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02



Tgt Ion:128 Resp: 3894
Ion Ratio Lower Upper
128 100
127 6.8 10.6 16.0#
129 13.3 8.6 13.0#





#92

1,2,3-Trichlorobenzene

Concen: 0.343 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.000 min

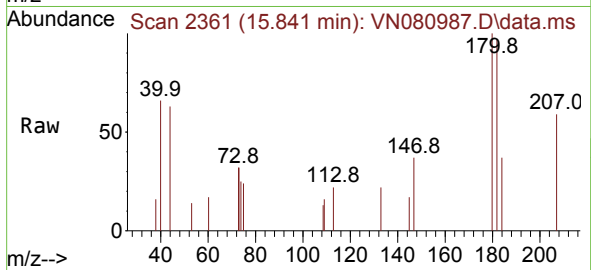
Lab File: VN080987.D

Acq: 09 Feb 2024 14:02

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1470

Ion Ratio Lower Upper

180 100

182 150.1 0.0 191.0

145 30.1 0.0 71.0

