

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081805.D
 Acq On : 19 Apr 2024 13:24
 Operator : JC\MD
 Sample : VN0419WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 23:36:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

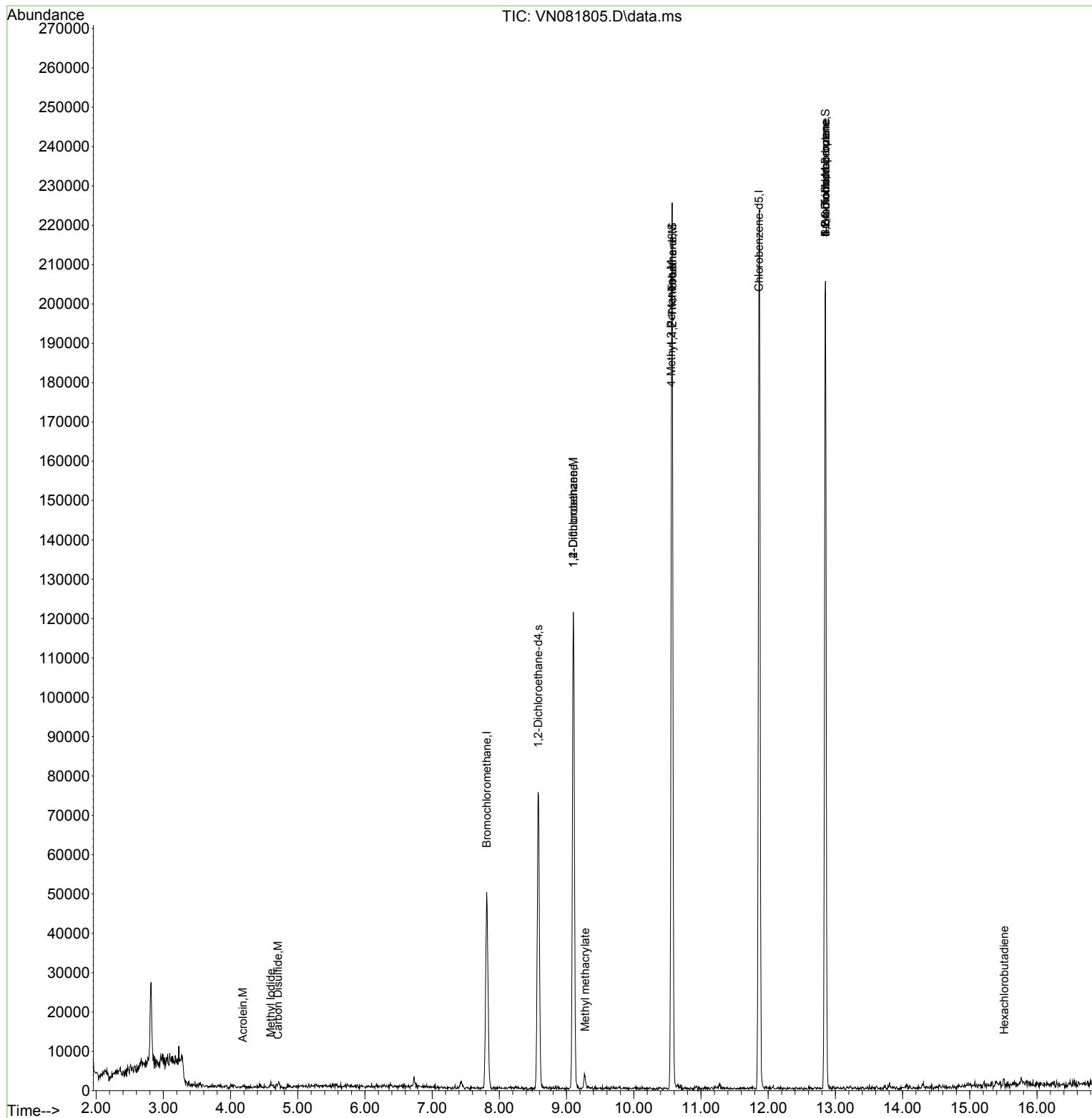
Internal Standards						
1) Bromochloromethane	7.812	128	16363	30.000	ug/l	#-0.01
28) 1,4-Difluorobenzene	9.100	114	105092	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	131822	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	59845	29.771	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.233%
60) 4-Bromofluorobenzene	12.853	95	67937	26.214	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.367%
63) Toluene-d8	10.570	98	152657	28.870	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.233%
Target Compounds						
					Qvalue	
11) Methyl Iodide	4.600	142	1455	0.610	ug/l #	56
13) Acrolein	4.183	56	130	0.510	ug/l #	13
16) Carbon Disulfide	4.706	76	1689	0.282	ug/l #	78
36) 1,2-Dichloroethane	9.100	62	4052	1.388	ug/l #	72
46) Methyl methacrylate	9.276	41	1460	0.833	ug/l #	33
50) 1,1,2-Trichloroethane	10.576	97	5674	2.562	ug/l #	1
56) Bromoform	12.853	173	1087	0.643	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	509	0.225	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	39024	16.313	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	39024	39.390	ug/l #	12
90) Hexachlorobutadiene	15.511	225	255	0.266	ug/l #	41

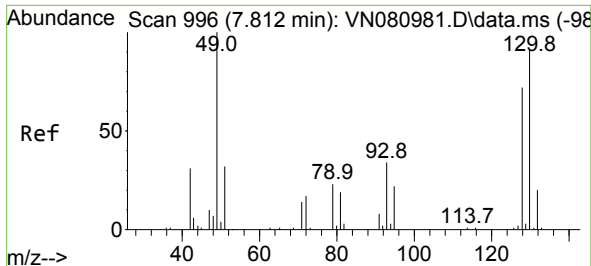
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
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MSVOA_N
ClientSampleId :

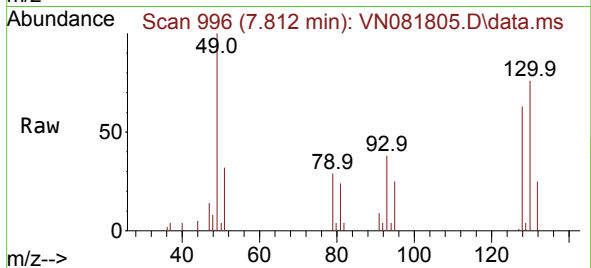
Quant Time: Apr 19 23:36:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



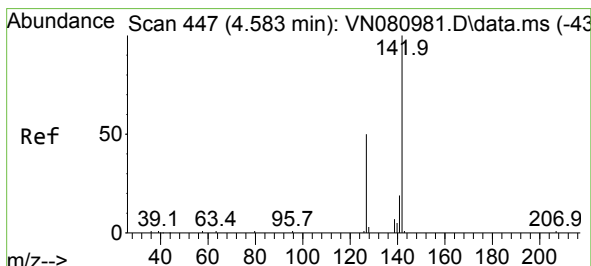
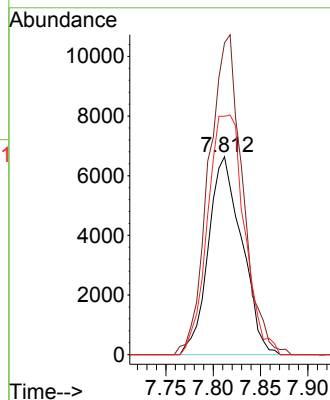
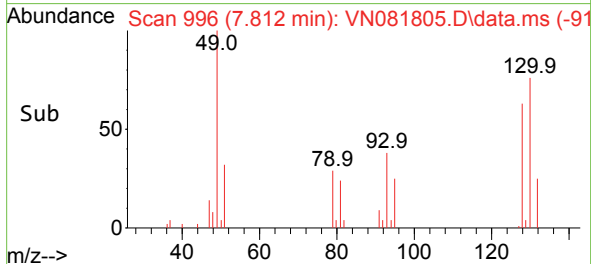


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN081805.D
Acq: 19 Apr 2024 13:24

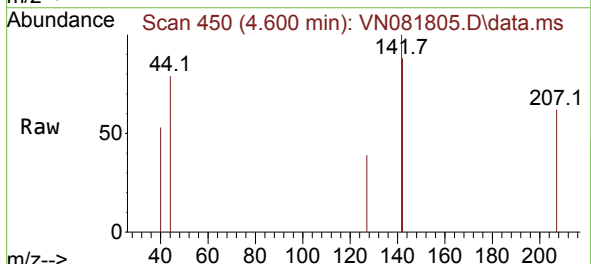
Instrument :
MSVOA_N
ClientSampleId :



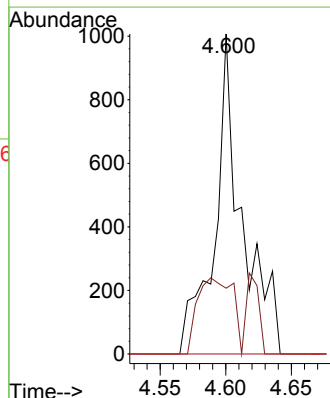
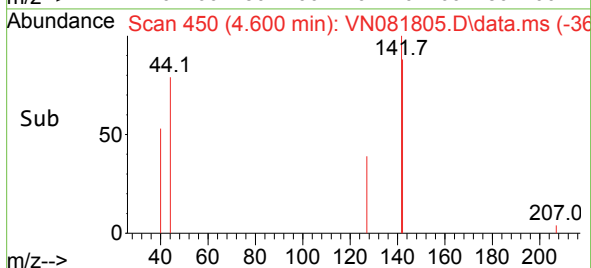
Tgt Ion:128 Resp: 16363
Ion Ratio Lower Upper
128 100
49 163.0 0.0 403.7
130 0.0 0.0 323.3

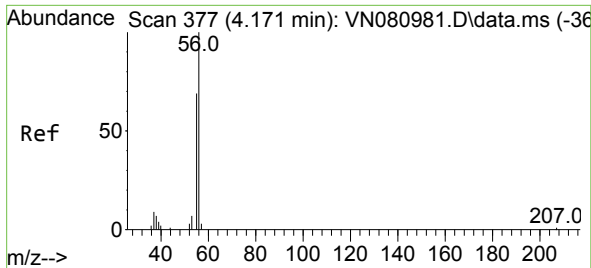


#11
Methyl Iodide
Concen: 0.610 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.006 min
Lab File: VN081805.D
Acq: 19 Apr 2024 13:24



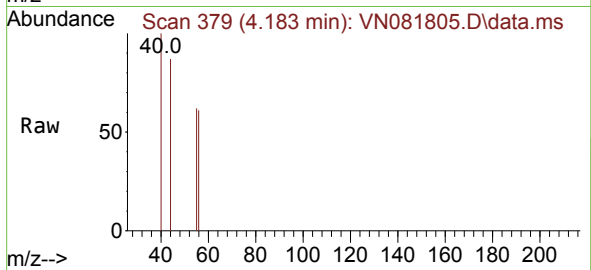
Tgt Ion:142 Resp: 1455
Ion Ratio Lower Upper
142 100
127 20.6 26.3 78.9#
141 0.0 8.3 24.9#



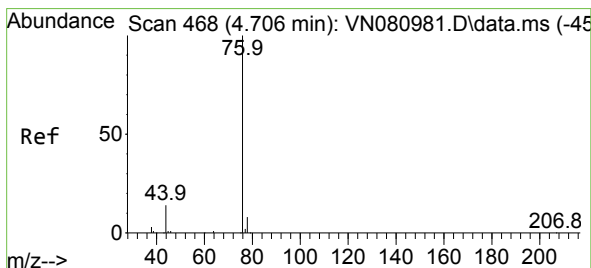
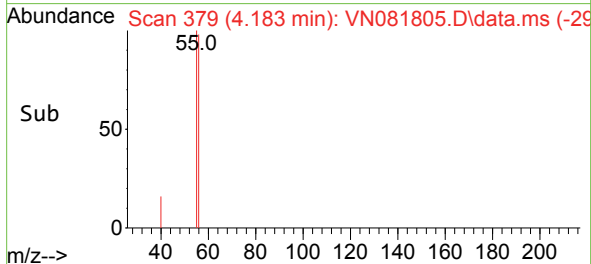
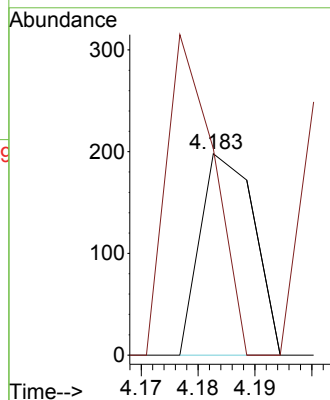


#13
Acrolein
Concen: 0.510 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081805.D
Acq: 19 Apr 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

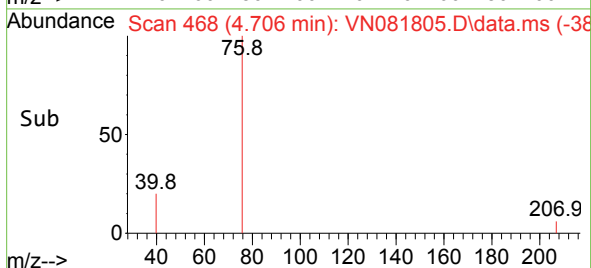
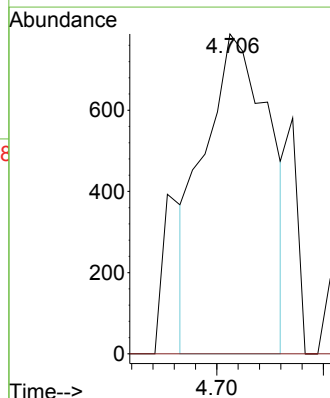
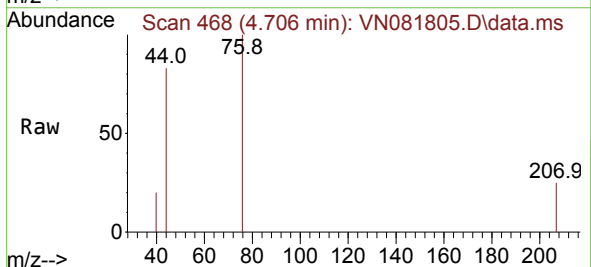


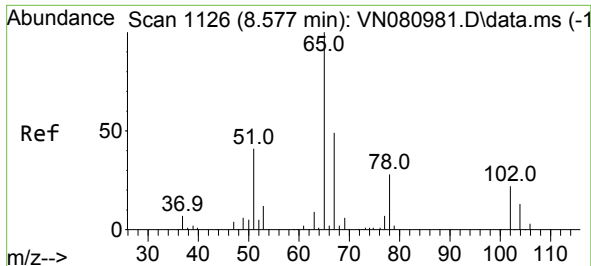
Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 140.8 55.5 83.3#



#16
Carbon Disulfide
Concen: 0.282 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN081805.D
Acq: 19 Apr 2024 13:24

Tgt Ion: 76 Resp: 1689
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#





#27

1,2-Dichloroethane-d4

Concen: 29.771 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN081805.D

Acq: 19 Apr 2024 13:24

Instrument :

MSVOA_N

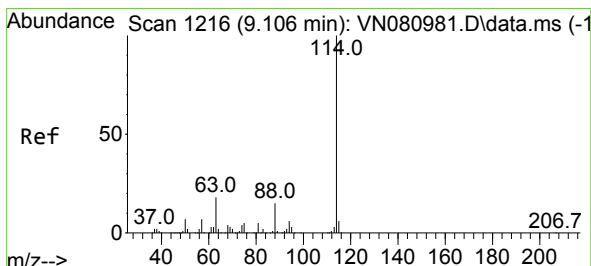
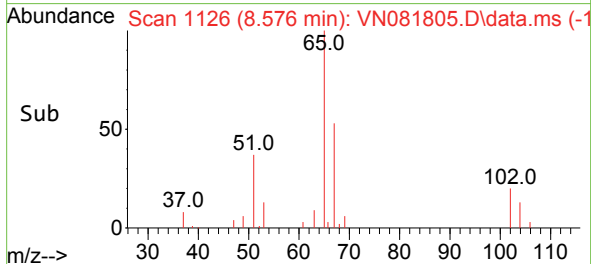
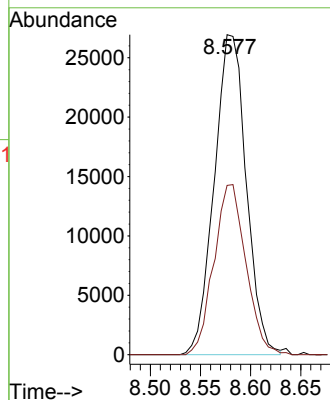
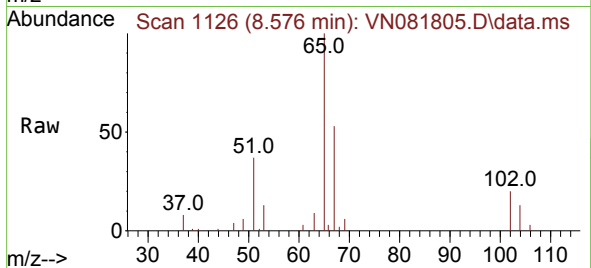
ClientSampleId :

Tgt Ion: 65 Resp: 59845

Ion Ratio Lower Upper

65 100

67 53.2 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: VN081805.D

Acq: 19 Apr 2024 13:24

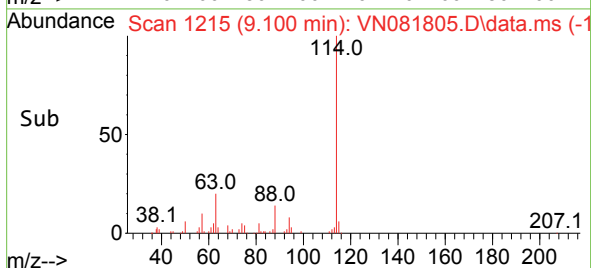
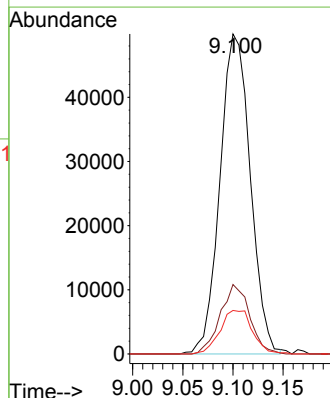
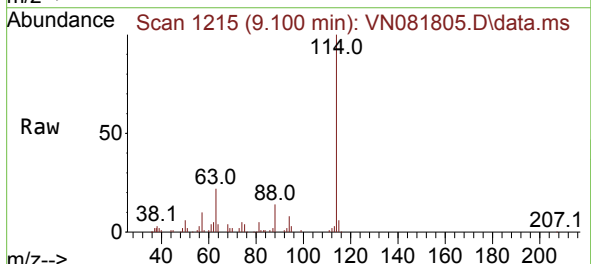
Tgt Ion: 114 Resp: 105092

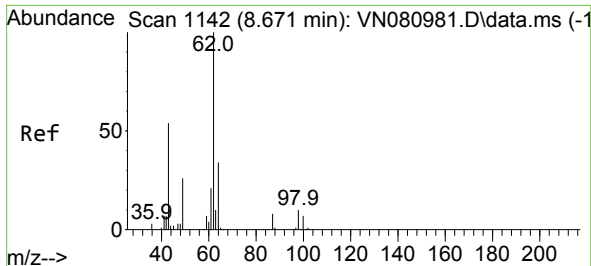
Ion Ratio Lower Upper

114 100

63 21.0 15.9 23.9

88 14.6 12.7 19.1





#36

1,2-Dichloroethane

Concen: 1.388 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.429 min

Lab File: VN081805.D

Acq: 19 Apr 2024 13:24

Instrument :

MSVOA_N

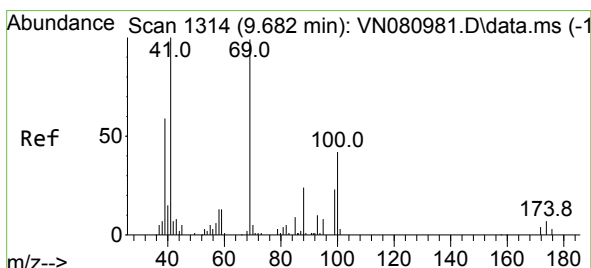
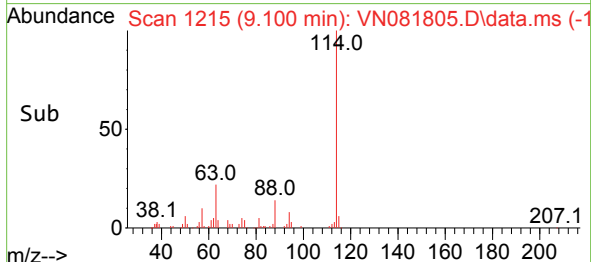
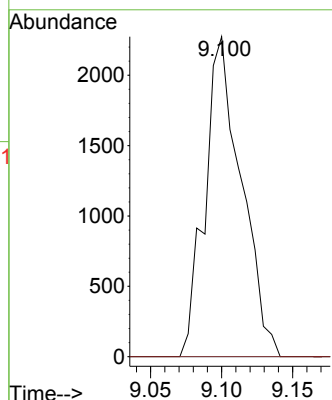
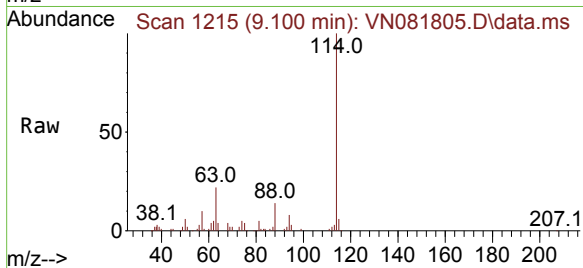
ClientSampleId :

Tgt Ion: 62 Resp: 4052

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#46

Methyl methacrylate

Concen: 0.833 ug/l

RT: 9.276 min Scan# 1245

Delta R.T. -0.406 min

Lab File: VN081805.D

Acq: 19 Apr 2024 13:24

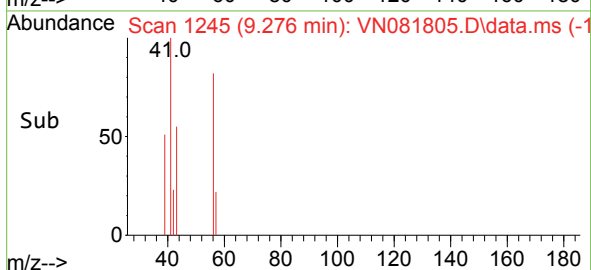
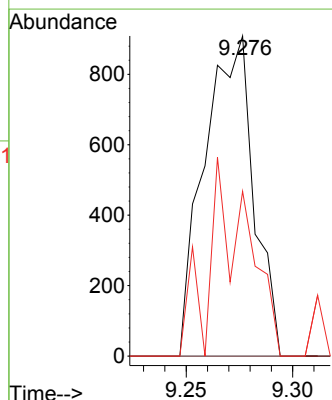
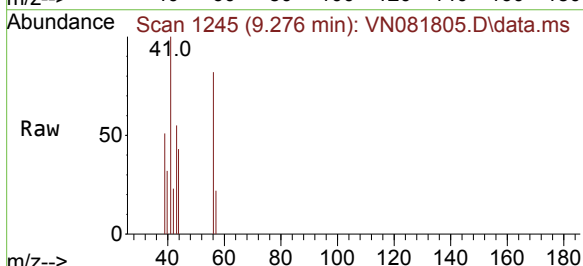
Tgt Ion: 41 Resp: 1460

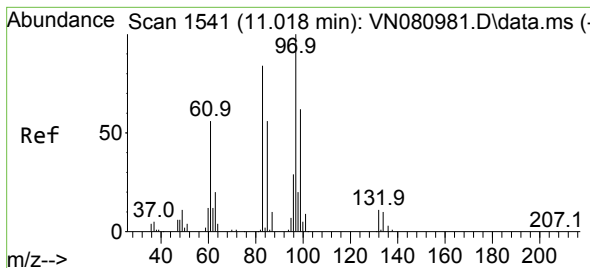
Ion Ratio Lower Upper

41 100

69 0.0 51.1 153.3#

39 51.5 25.8 77.3





#50

1,1,2-Trichloroethane

Concen: 2.562 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

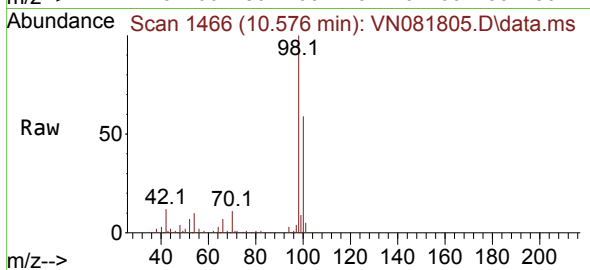
Lab File: VN081805.D

Acq: 19 Apr 2024 13:24

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 5674

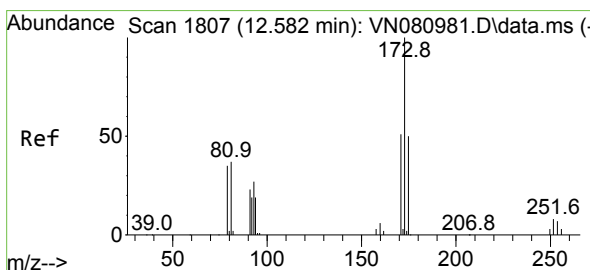
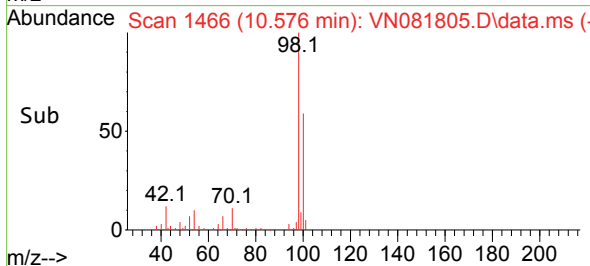
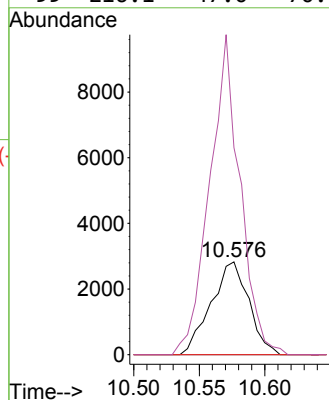
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 216.1 47.0 70.4#



#56

Bromoform

Concen: 0.643 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.270 min

Lab File: VN081805.D

Acq: 19 Apr 2024 13:24

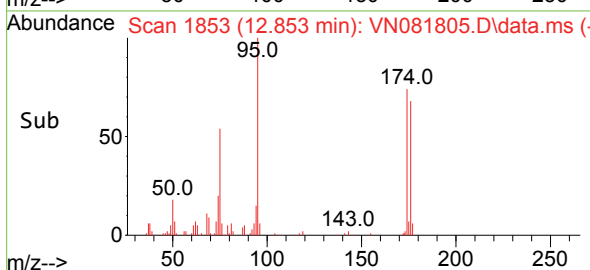
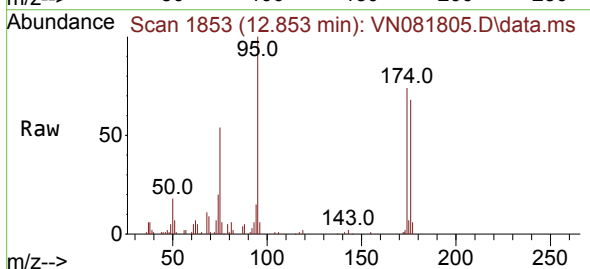
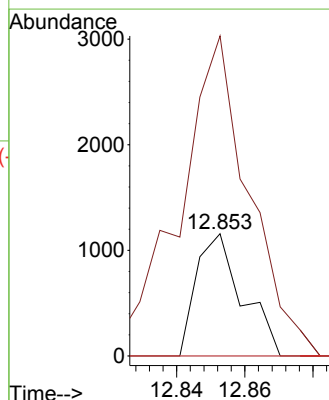
Tgt Ion:173 Resp: 1087

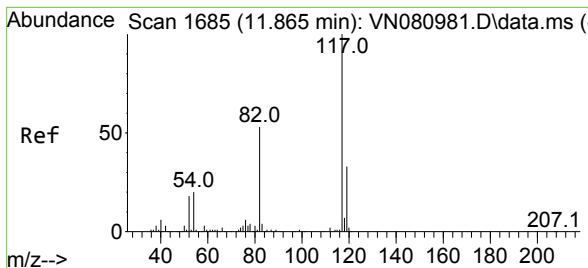
Ion Ratio Lower Upper

173 100

175 397.7 40.0 60.0#

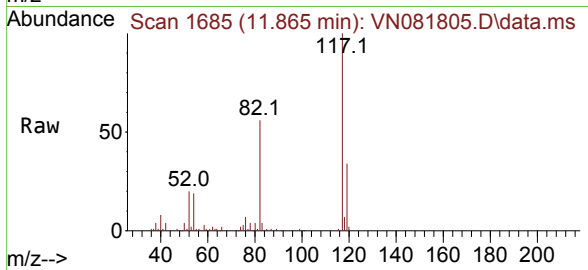
254 0.0 8.3 12.5#



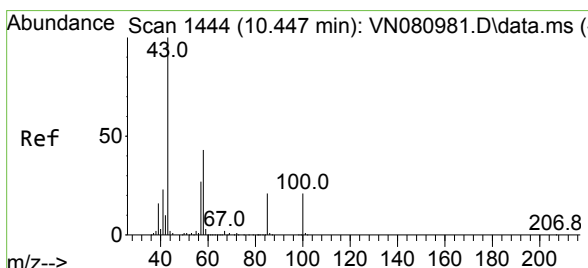
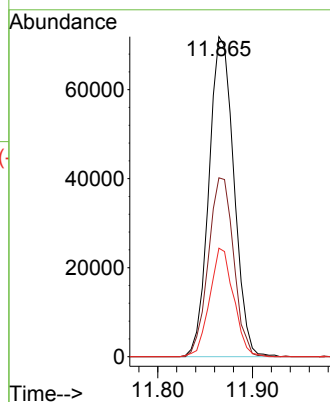
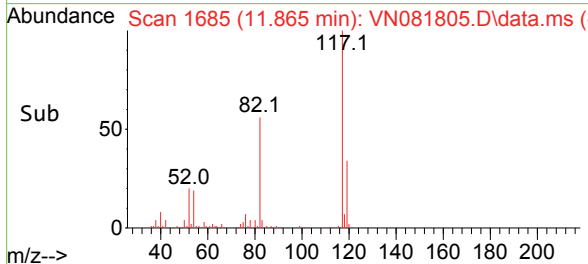


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081805.D
Acq: 19 Apr 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

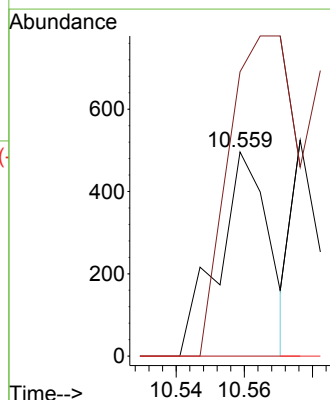
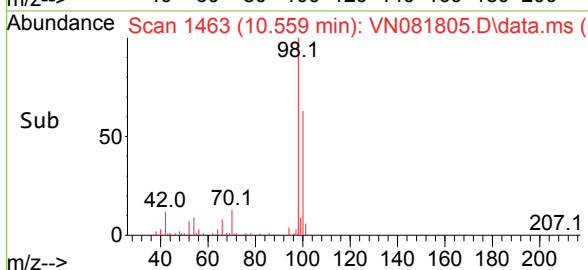
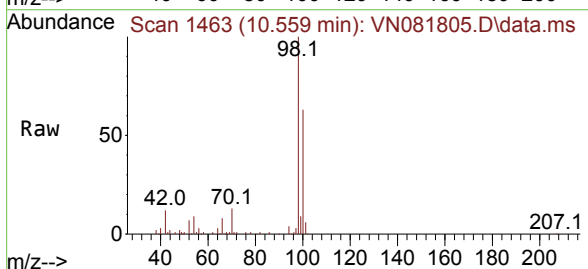


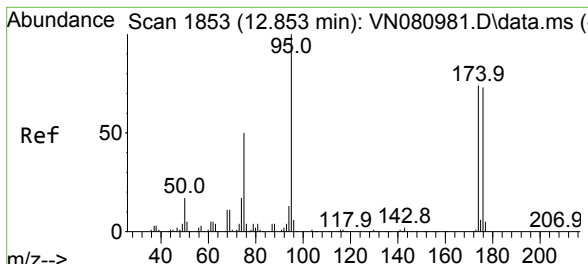
Tgt Ion:117 Resp: 131822
Ion Ratio Lower Upper
117 100
82 56.6 46.6 69.8
119 32.6 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.225 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN081805.D
Acq: 19 Apr 2024 13:24

Tgt Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
58 287.0 36.5 54.7#
85 0.0 19.5 29.3#

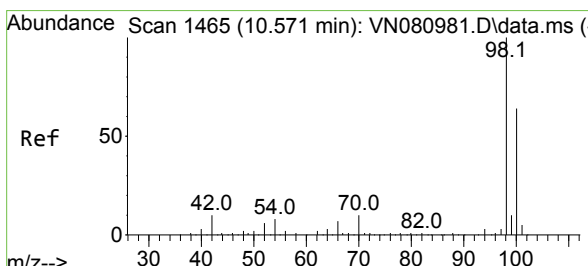
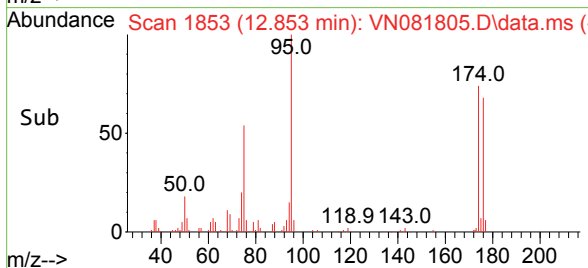
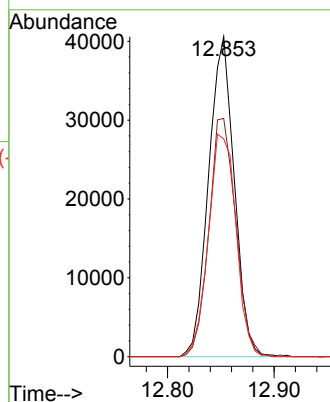
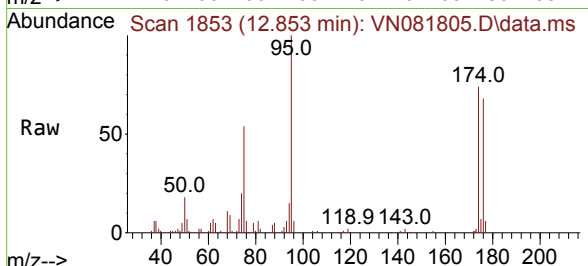




#60
4-Bromofluorobenzene
Concen: 26.214 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081805.D
Acq: 19 Apr 2024 13:24

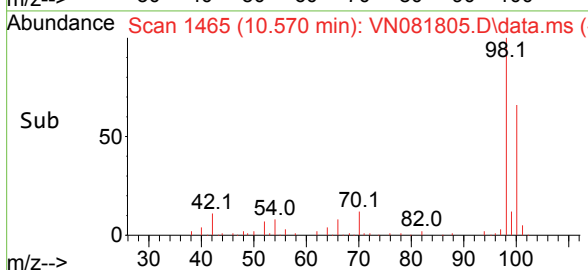
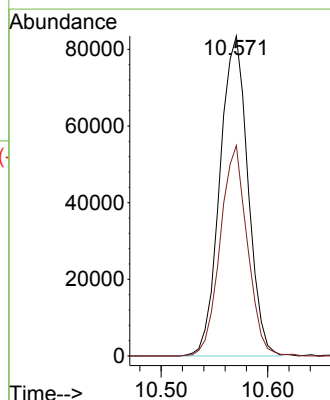
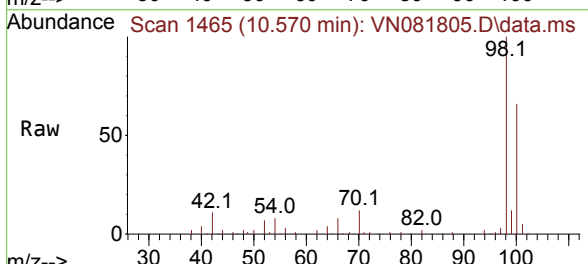
Instrument :
MSVOA_N
ClientSampleId :

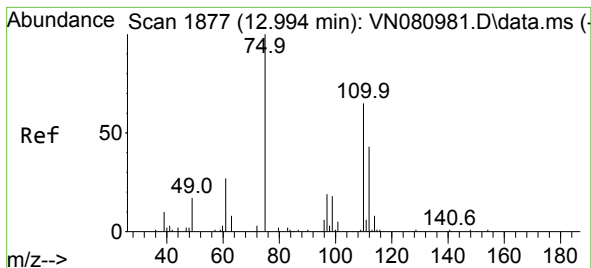
Tgt Ion: 95	Resp: 67937
Ion Ratio	Lower Upper
95 100	
174 77.9	60.5 90.7
176 74.8	57.8 86.6



#63
Toluene-d8
Concen: 28.870 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081805.D
Acq: 19 Apr 2024 13:24

Tgt Ion: 98	Resp: 152657
Ion Ratio	Lower Upper
98 100	
100 63.5	52.7 79.1





#72

1,2,3-Trichloropropane

Concen: 16.313 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081805.D

Acq: 19 Apr 2024 13:24

Instrument :

MSVOA_N

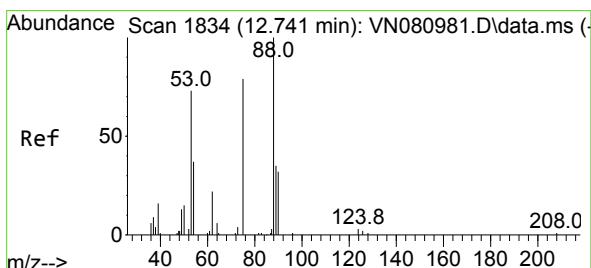
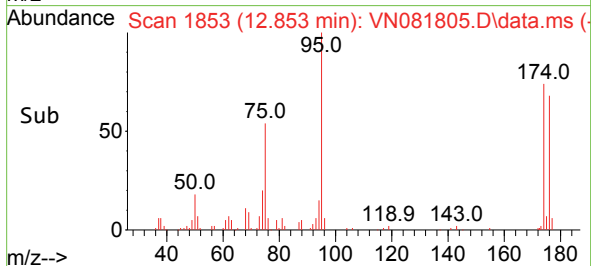
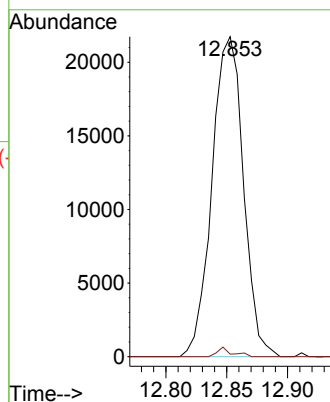
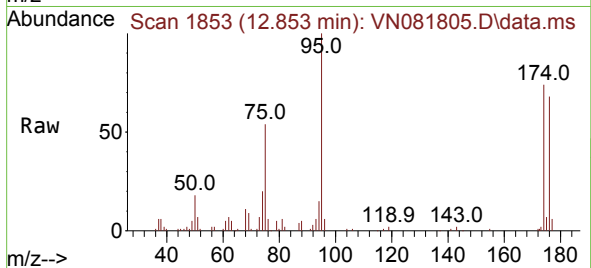
ClientSampleId :

Tgt Ion: 75 Resp: 39024

Ion Ratio Lower Upper

75 100

77 1.0 0.0 367.6



#77

t-1,4-Dichloro-2-butene

Concen: 39.390 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081805.D

Acq: 19 Apr 2024 13:24

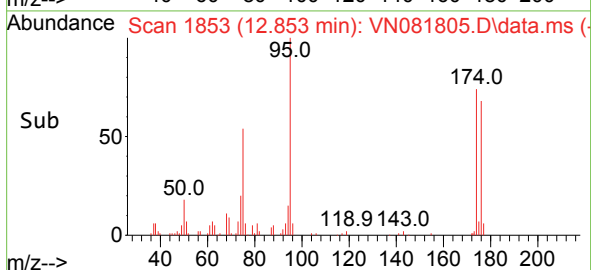
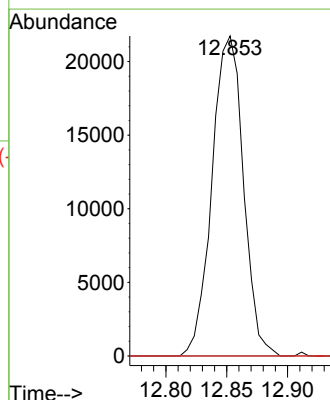
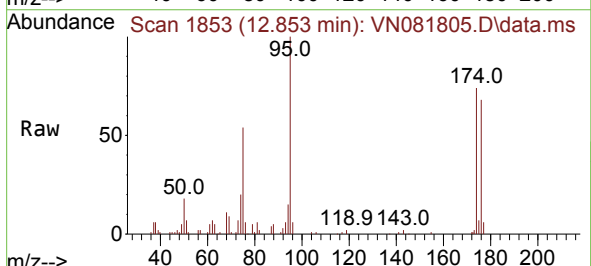
Tgt Ion: 75 Resp: 39024

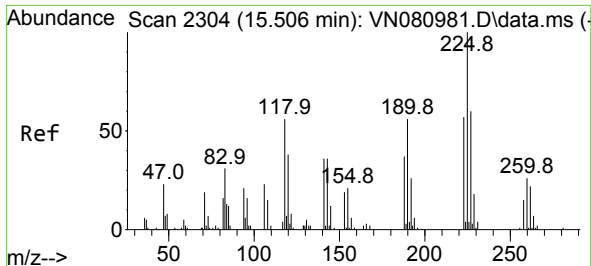
Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

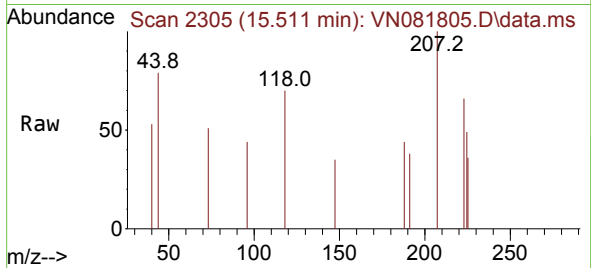
89 0.0 25.9 77.7#





#90
 Hexachlorobutadiene
 Concen: 0.266 ug/l
 RT: 15.511 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081805.D
 Acq: 19 Apr 2024 13:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	255
Ion	Ratio	Lower	Upper
225	100		
223	146.3	0.0	126.6#
227	54.1	0.0	126.6

