

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081810.D
 Acq On : 19 Apr 2024 15:40
 Operator : JC\MD
 Sample : P2190-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 23:41:02 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)

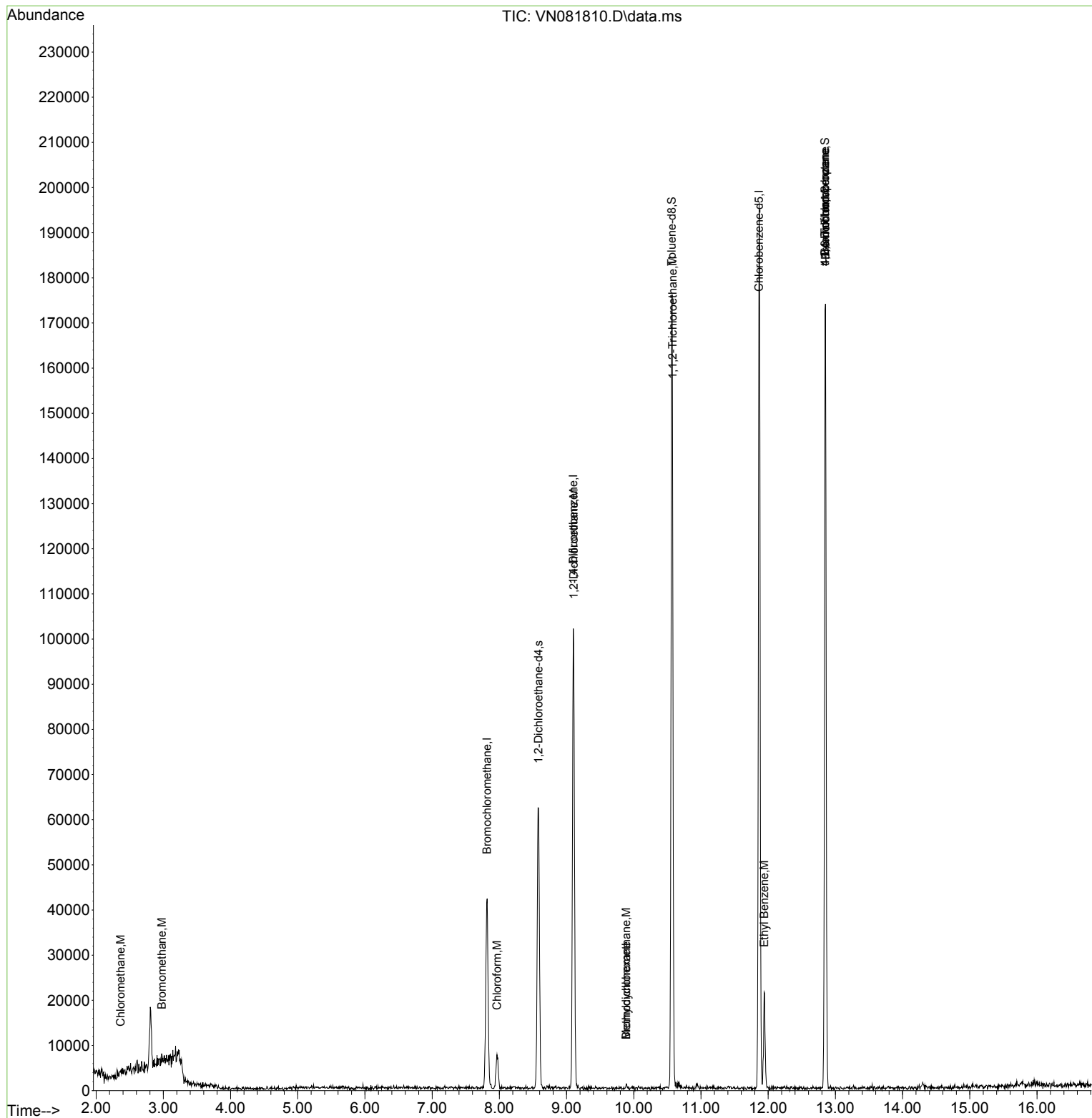
Internal Standards						
1) Bromochloromethane	7.818	128	13714	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	85567	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	108408	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	52689	31.274	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.233%
60) 4-Bromofluorobenzene	12.847	95	56860	26.678	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.933%
63) Toluene-d8	10.565	98	123965	28.507	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.033%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	412	0.248	ug/l #	43
5) Bromomethane	2.977	94	670	0.463	ug/l	93
25) Chloroform	7.965	83	6784	1.758	ug/l	87
36) 1,2-Dichloroethane	9.106	62	3180	1.338	ug/l #	72
38) Methylcyclohexane	9.888	83	661	0.240	ug/l #	19
41) Bromodichloromethane	9.888	83	661	0.241	ug/l #	68
50) 1,1,2-Trichloroethane	10.576	97	4433	2.458	ug/l #	1
56) Bromoform	12.853	173	603	0.438	ug/l #	1
66) Ethyl Benzene	11.941	91	4373	0.522	ug/l #	59
72) 1,2,3-Trichloropropane	12.847	75	30944	15.729	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30944	37.980	ug/l #	12

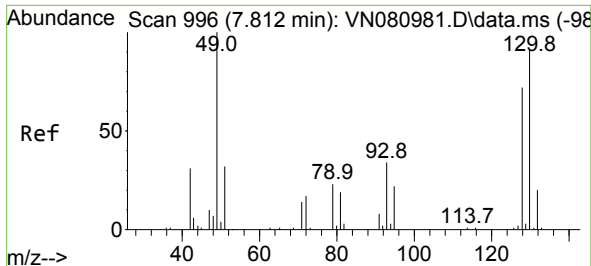
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
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Sample : P2190-02RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

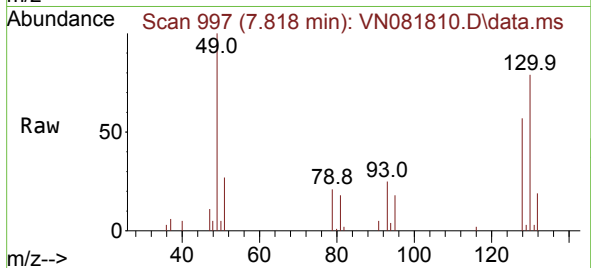
Quant Time: Apr 19 23:41:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



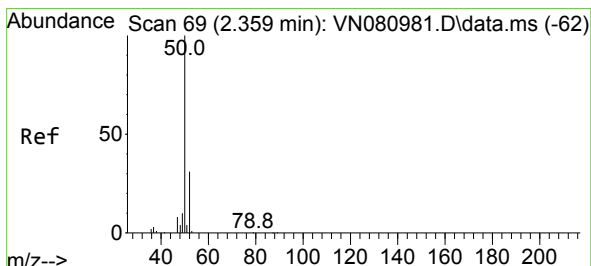
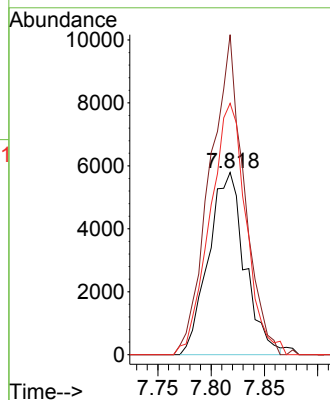
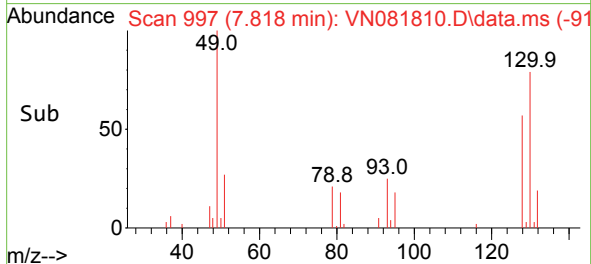


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

Instrument :
MSVOA_N
ClientSampleId :

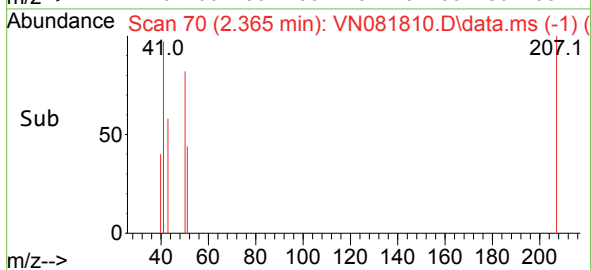
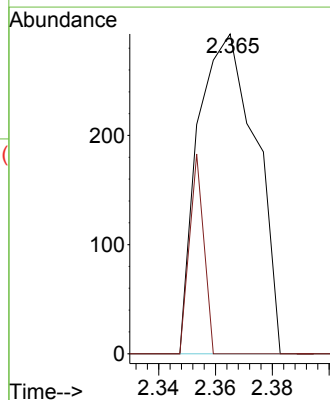
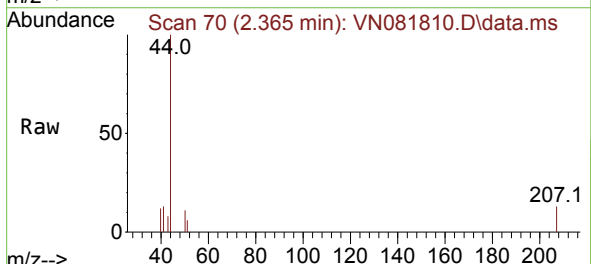


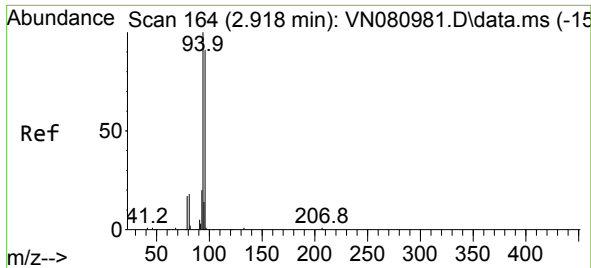
Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.3	0.0	403.7
130	138.1	0.0	323.3



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

Tgt Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.0

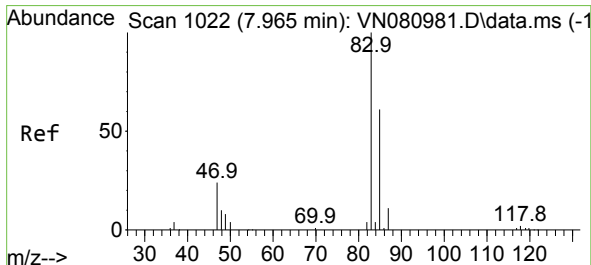
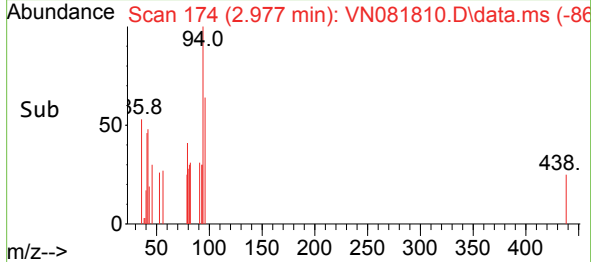
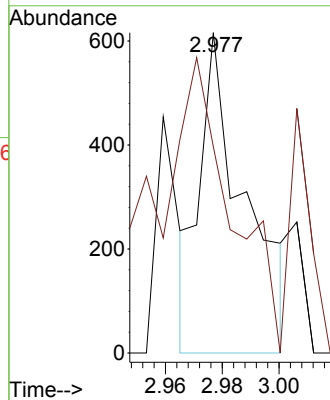
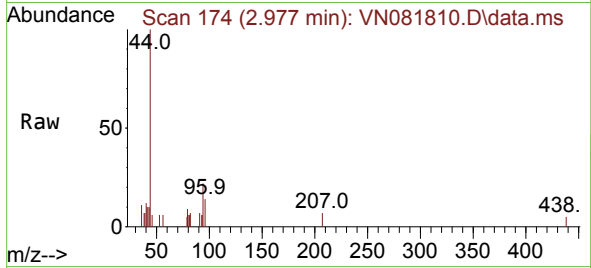




#5
Bromomethane
Concen: 0.463 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.018 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

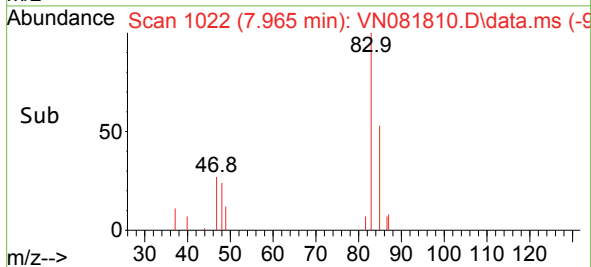
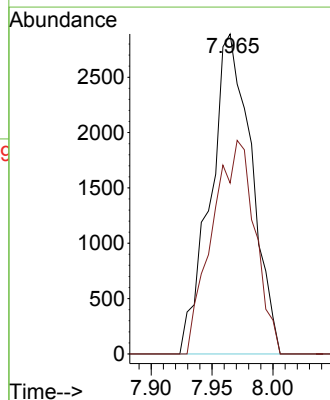
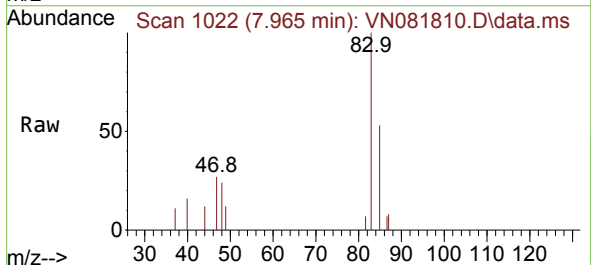
Instrument :
MSVOA_N
ClientSampleId :

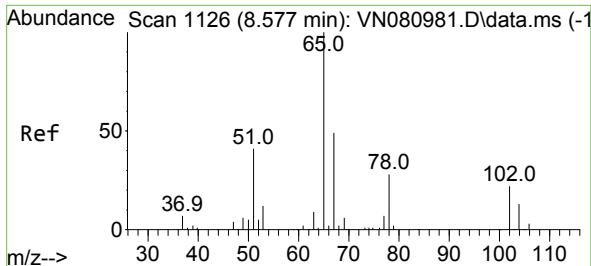
Tgt Ion: 94 Resp: 670
Ion Ratio Lower Upper
94 100
96 98.0 72.8 109.2



#25
Chloroform
Concen: 1.758 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

Tgt Ion: 83 Resp: 6784
Ion Ratio Lower Upper
83 100
85 53.4 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 31.274 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN081810.D

Acq: 19 Apr 2024 15:40

Instrument :

MSVOA_N

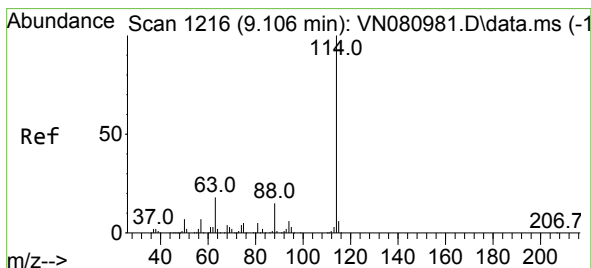
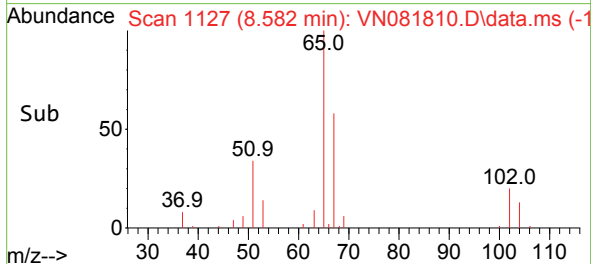
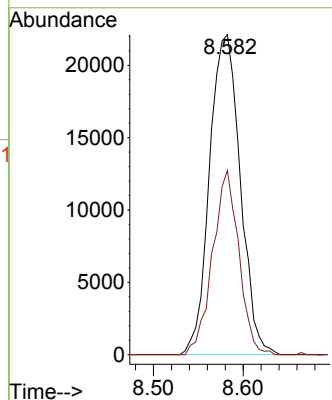
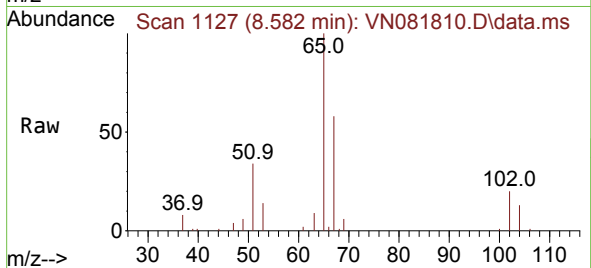
ClientSampleId :

Tgt Ion: 65 Resp: 52689

Ion Ratio Lower Upper

65 100

67 49.1 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: VN081810.D

Acq: 19 Apr 2024 15:40

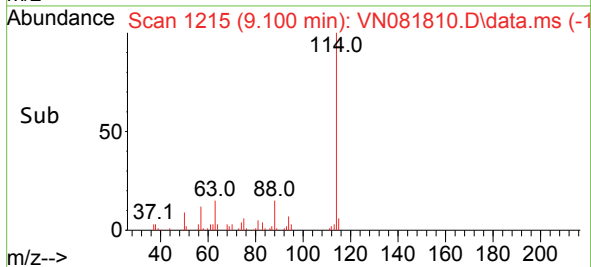
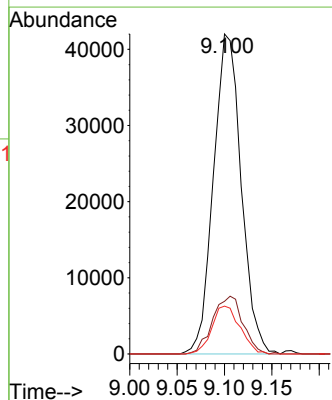
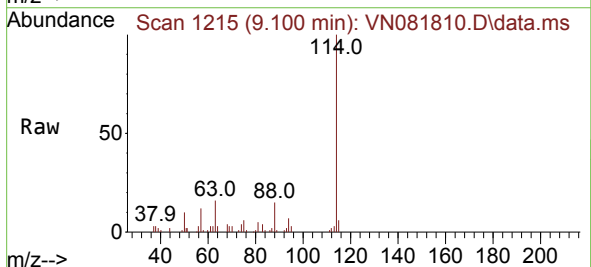
Tgt Ion: 114 Resp: 85567

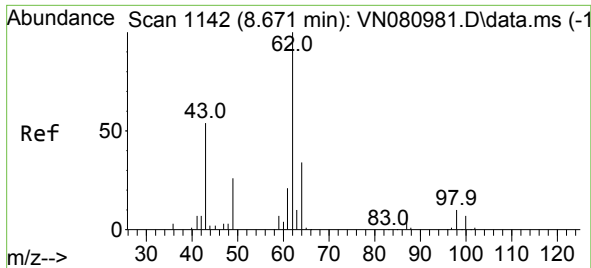
Ion Ratio Lower Upper

114 100

63 19.7 15.9 23.9

88 15.3 12.7 19.1

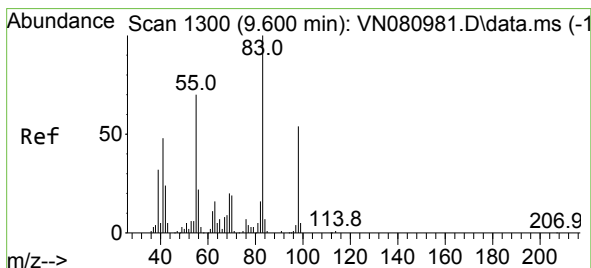
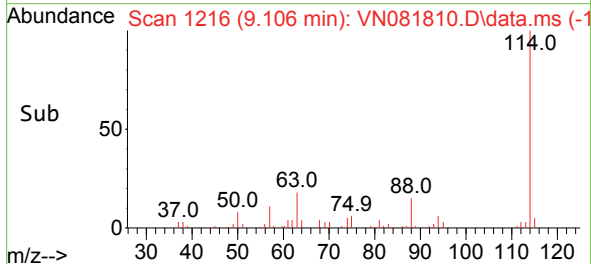
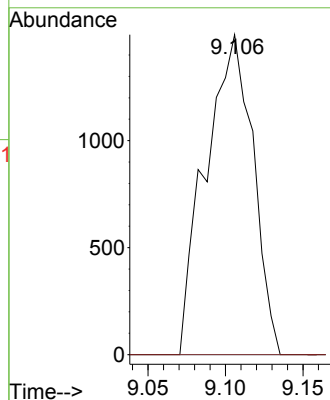
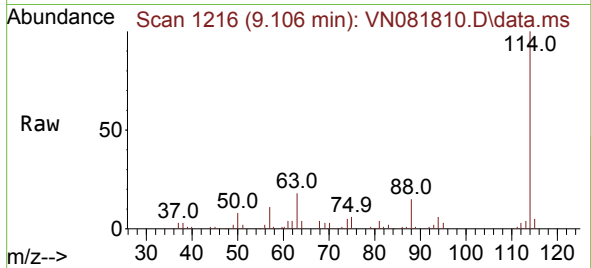




#36
1,2-Dichloroethane
Concen: 1.338 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.435 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

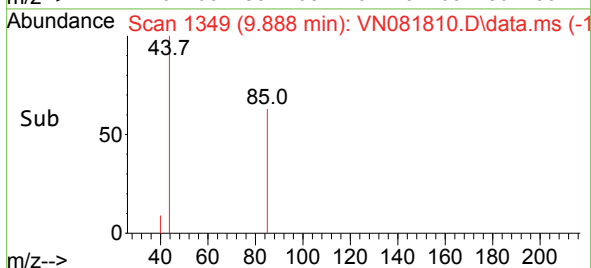
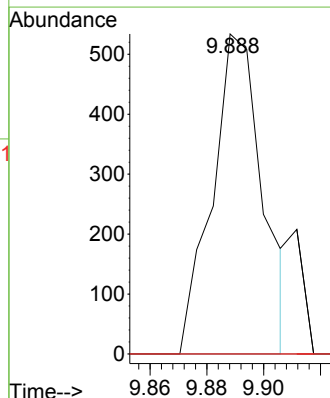
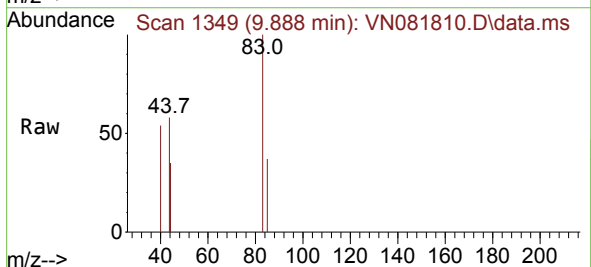
Instrument :
MSVOA_N
ClientSampleId :

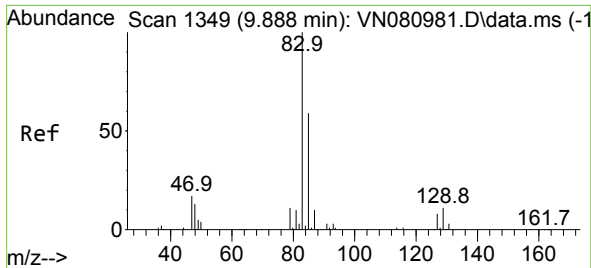
Tgt Ion: 62 Resp: 3180
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#38
Methylcyclohexane
Concen: 0.240 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.282 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

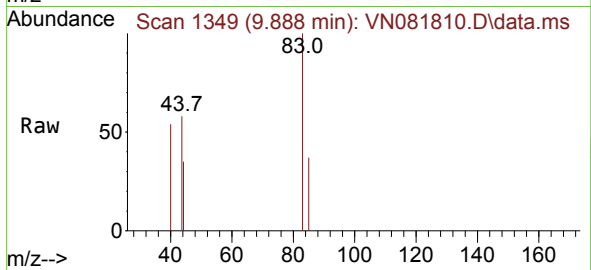
Tgt Ion: 83 Resp: 661
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#



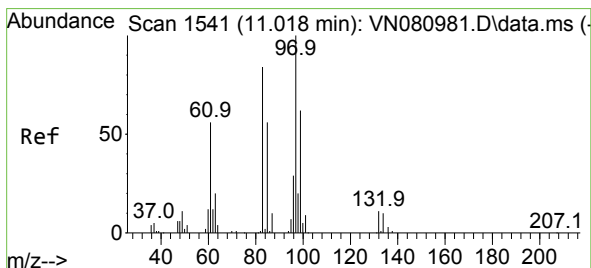
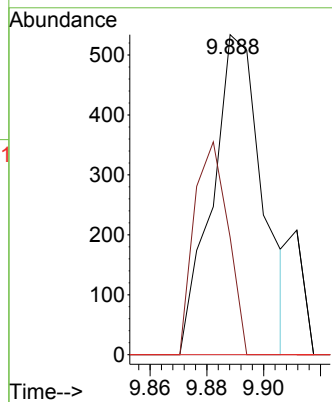
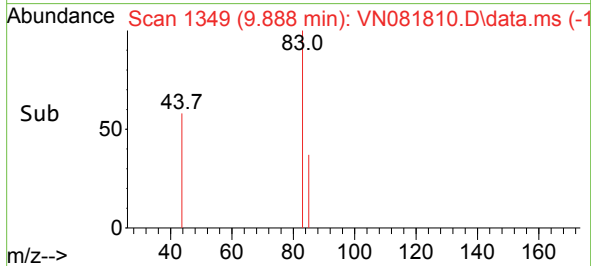


#41
Bromodichloromethane
Concen: 0.241 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

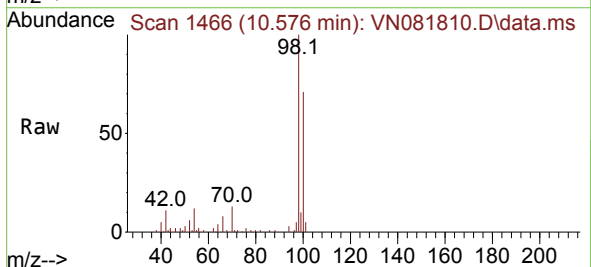
Instrument :
MSVOA_N
ClientSampleId :



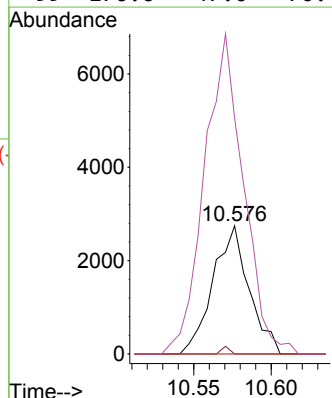
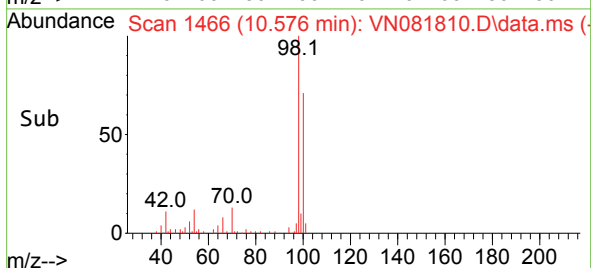
Tgt Ion: 83 Resp: 661
Ion Ratio Lower Upper
83 100
85 36.7 49.4 74.2#
127 0.0 7.3 10.9#

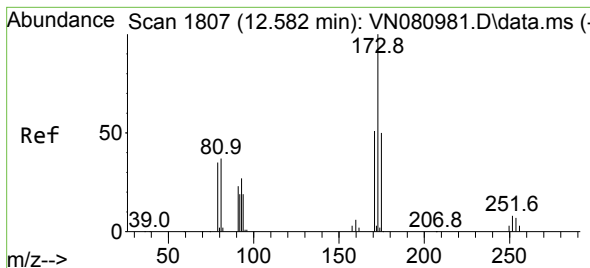


#50
1,1,2-Trichloroethane
Concen: 2.458 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40



Tgt Ion: 97 Resp: 4433
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 176.6 47.0 70.4#





#56

Bromoform

Concen: 0.438 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN081810.D

Acq: 19 Apr 2024 15:40

Instrument :

MSVOA_N

ClientSampleId :

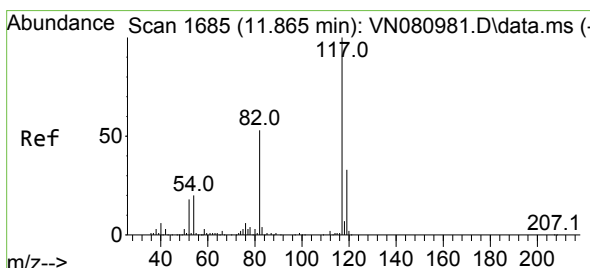
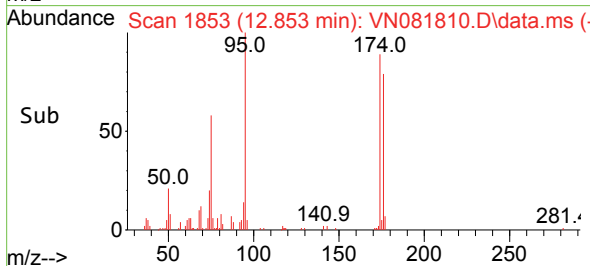
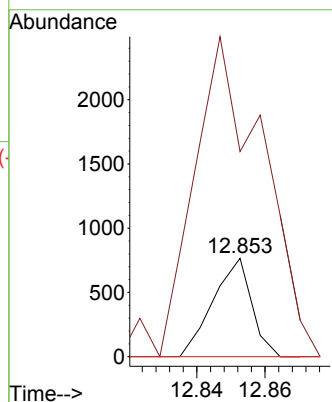
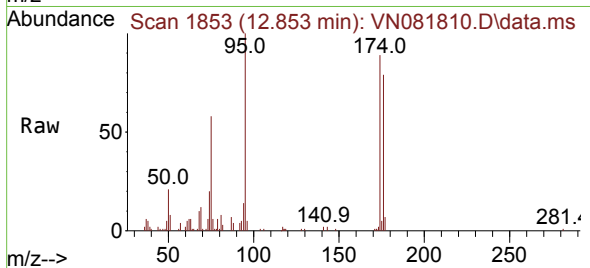
Tgt Ion:173 Resp: 603

Ion Ratio Lower Upper

173 100

175 575.1 40.0 60.0#

254 0.0 8.3 12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN081810.D

Acq: 19 Apr 2024 15:40

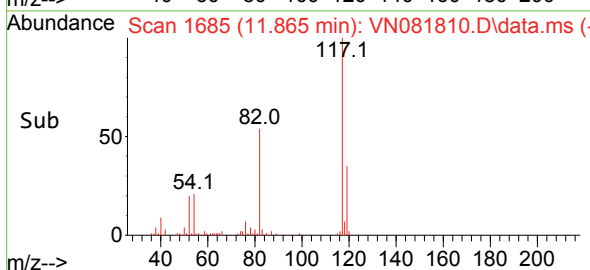
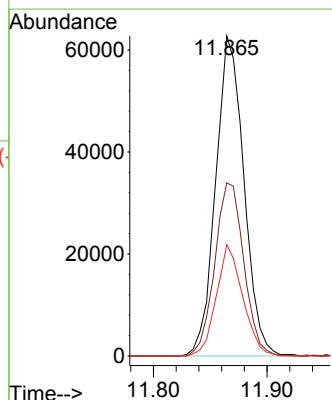
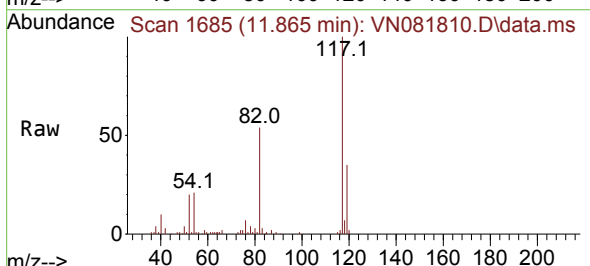
Tgt Ion:117 Resp: 108408

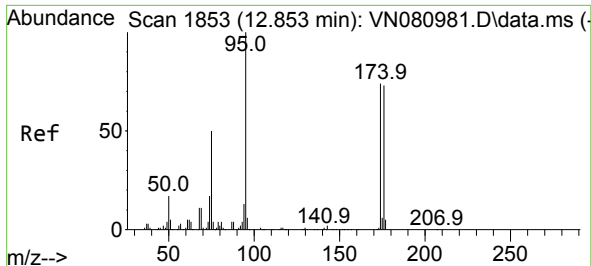
Ion Ratio Lower Upper

117 100

82 55.7 46.6 69.8

119 32.6 25.4 38.2

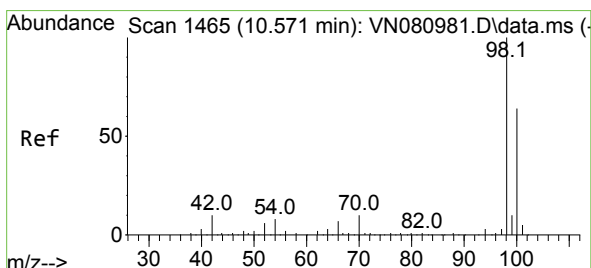
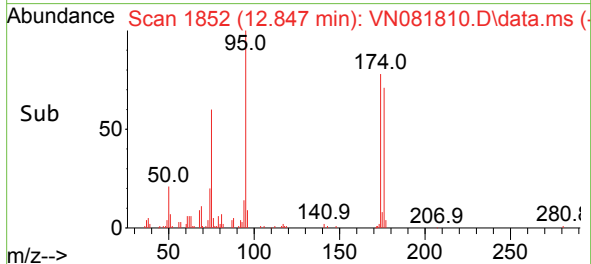
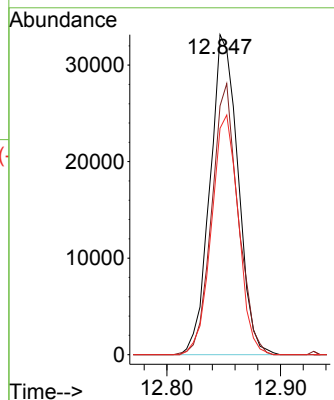
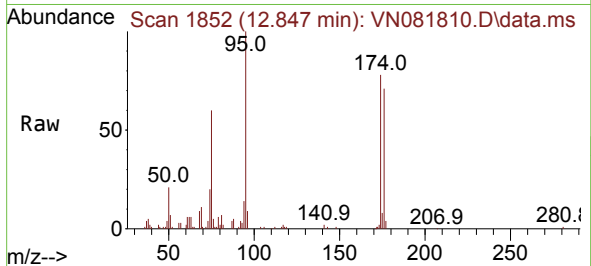




#60
4-Bromofluorobenzene
Concen: 26.678 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

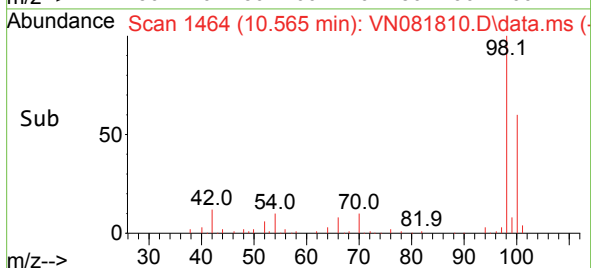
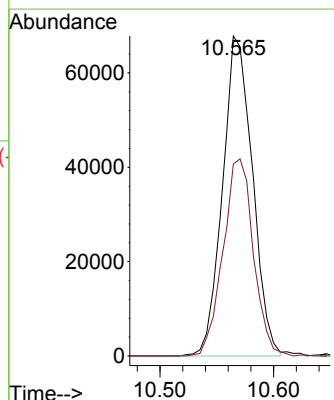
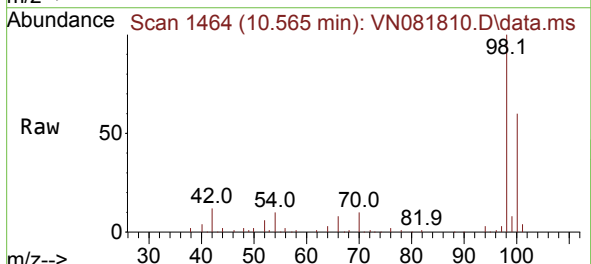
Instrument :
MSVOA_N
ClientSampleId :

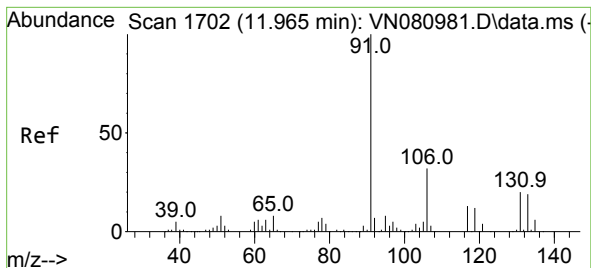
Tgt Ion: 95 Resp: 56860
Ion Ratio Lower Upper
95 100
174 79.7 60.5 90.7
176 71.9 57.8 86.6



#63
Toluene-d8
Concen: 28.507 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

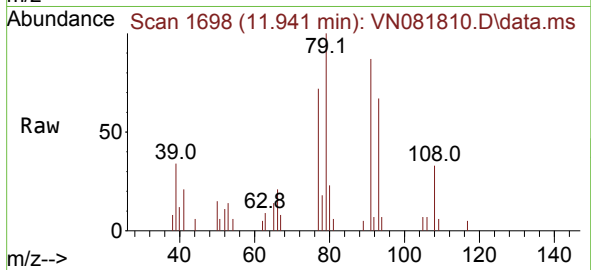
Tgt Ion: 98 Resp: 123965
Ion Ratio Lower Upper
98 100
100 62.5 52.7 79.1



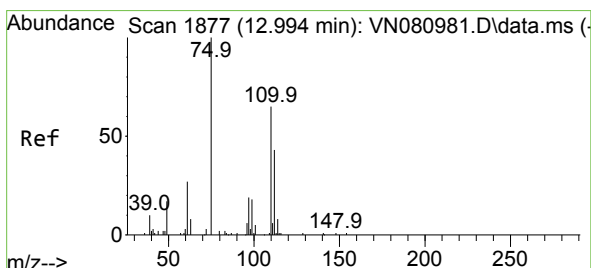
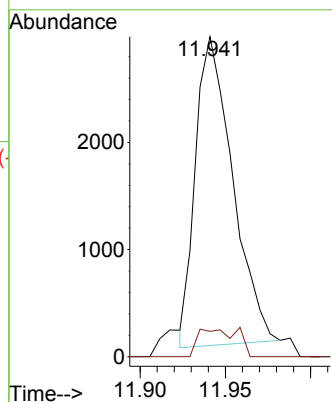
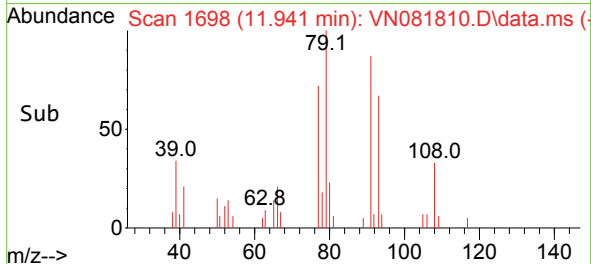


#66
Ethyl Benzene
Concen: 0.522 ug/l
RT: 11.941 min Scan# 1194
Delta R.T. -0.024 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

Instrument :
MSVOA_N
ClientSampleId :

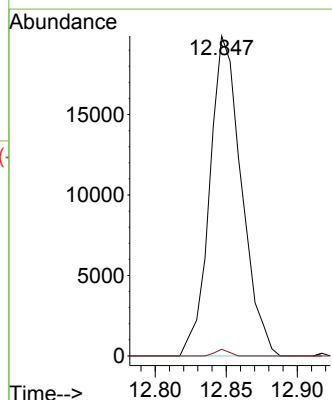
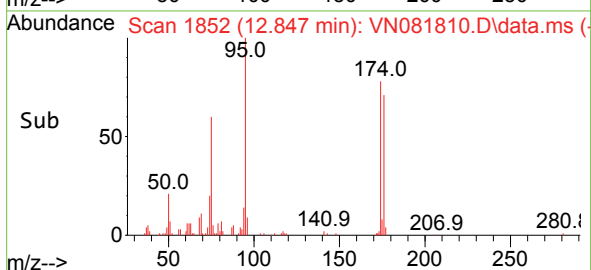
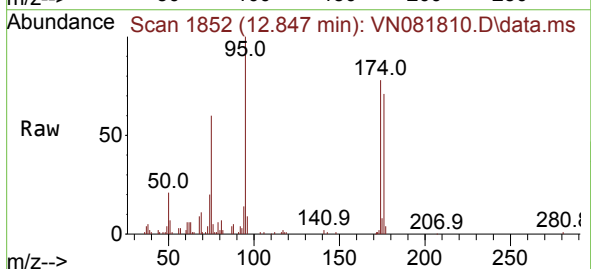


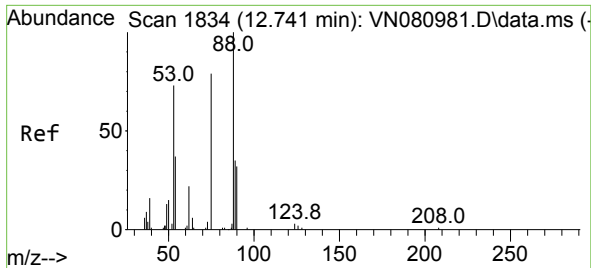
Tgt Ion: 91 Resp: 4373
Ion Ratio Lower Upper
91 100
106 8.3 24.4 36.6#



#72
1,2,3-Trichloropropane
Concen: 15.729 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

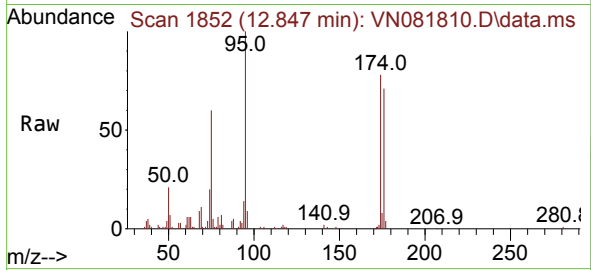
Tgt Ion: 75 Resp: 30944
Ion Ratio Lower Upper
75 100
77 0.9 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 37.980 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081810.D
Acq: 19 Apr 2024 15:40

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 30944
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

