

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081910.D
 Acq On : 29 Apr 2024 13:32
 Operator : JC\MD
 Sample : P2287-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 04:36:28 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)

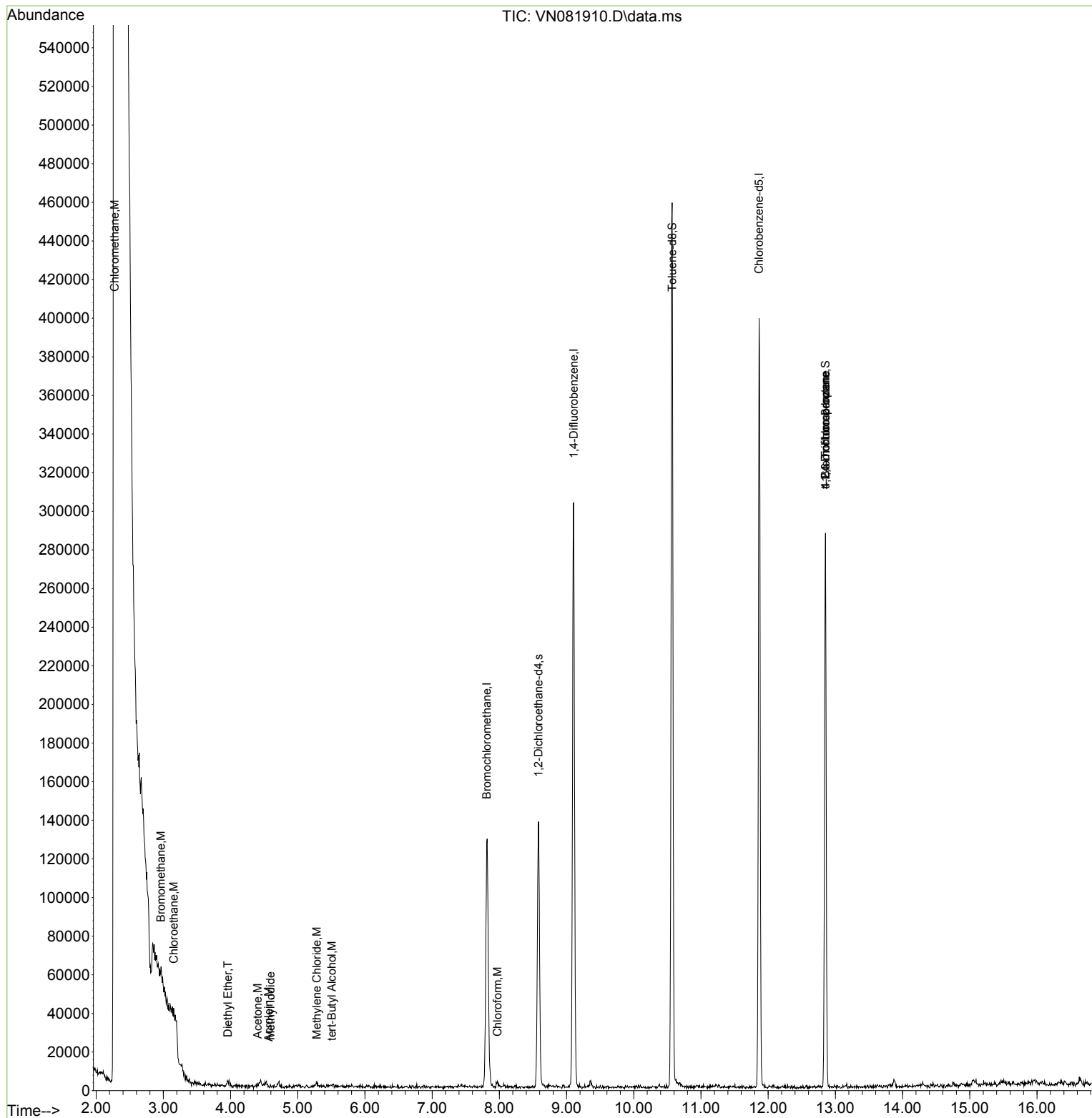
Internal Standards						
1) Bromochloromethane	7.812	128	44609	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	257037	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	222638	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	108498	29.050	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.833%
60) 4-Bromofluorobenzene	12.853	95	101509	27.396	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.333%
63) Toluene-d8	10.570	98	317247	30.005	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.277	50	569892	194.063	ug/l #	44
5) Bromomethane	2.965	94	1242	0.858	ug/l	84
6) Chloroethane	3.153	64	2422	1.542	ug/l #	41
8) Diethyl Ether	3.959	74	1161	0.591	ug/l	73
11) Methyl Iodide	4.594	142	635	0.255	ug/l #	34
13) Acrolein	4.565	56	147	0.203	ug/l	86
15) Acetone	4.406	58	130	0.373	ug/l #	1
18) Methylene Chloride	5.283	84	747	0.241	ug/l #	49
23) tert-Butyl Alcohol	5.506	59	316	0.493	ug/l #	100
25) Chloroform	7.971	83	1818	0.337	ug/l #	70
72) 1,2,3-Trichloropropane	12.853	75	56040	16.283	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	56040	36.583	ug/l #	12

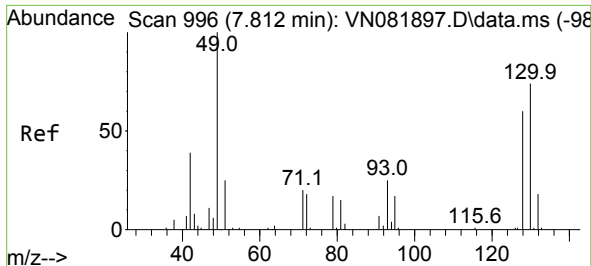
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Apr 30 04:36:28 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

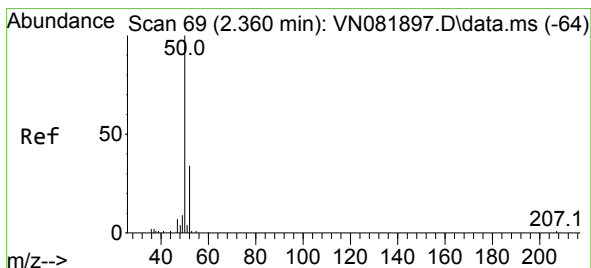
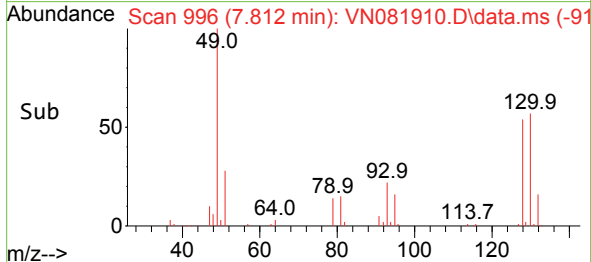
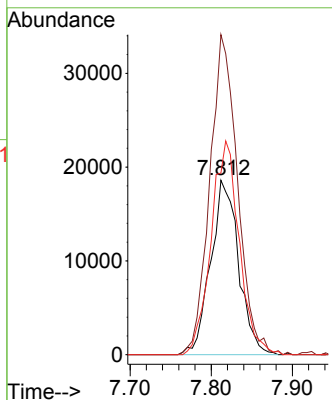
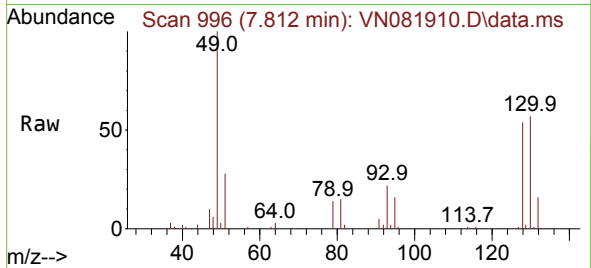




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

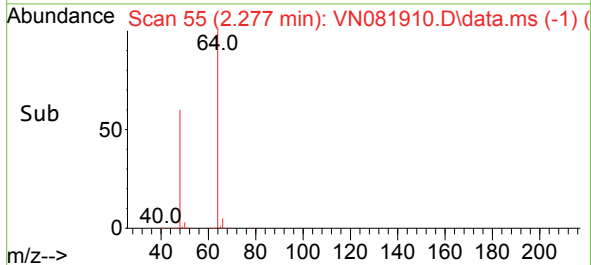
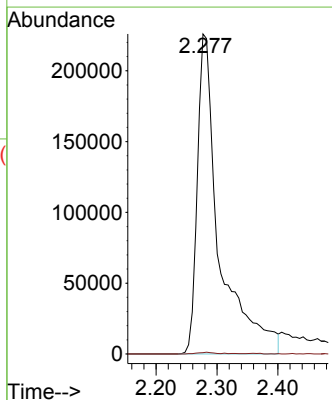
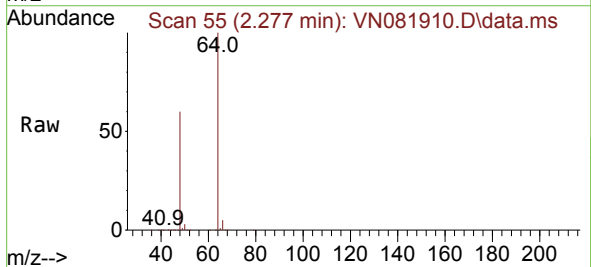
Instrument :
MSVOA_N
ClientSampleId :

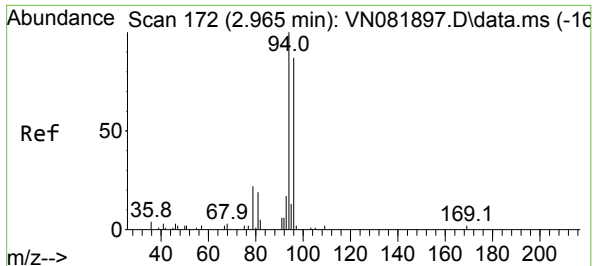
Tgt Ion:128 Resp: 44609
Ion Ratio Lower Upper
128 100
49 181.4 0.0 403.7
130 123.3 0.0 323.3



#3
Chloromethane
Concen: 194.063 ug/l
RT: 2.277 min Scan# 55
Delta R.T. -0.083 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

Tgt Ion: 50 Resp: 569892
Ion Ratio Lower Upper
50 100
52 0.4 25.4 38.0#

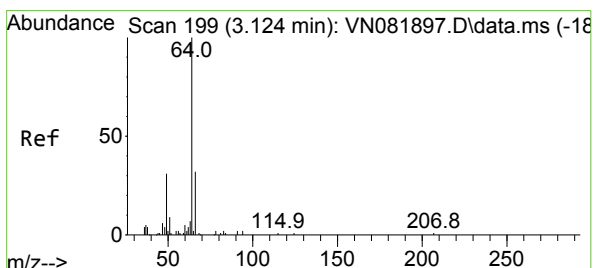
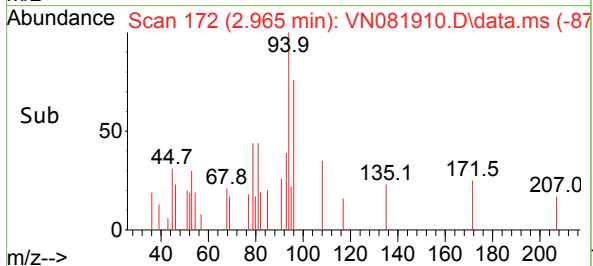
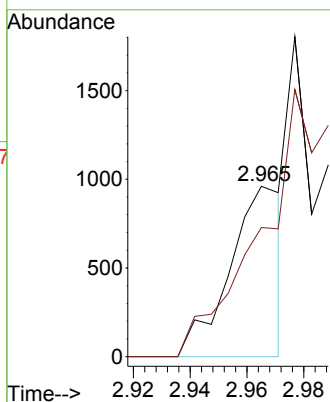
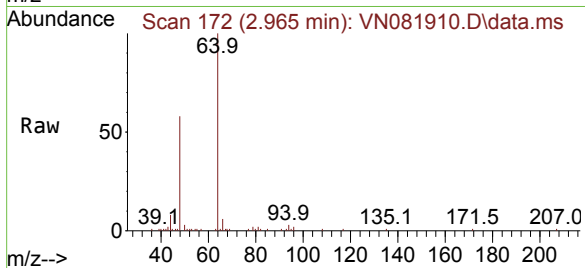




#5
Bromomethane
Concen: 0.858 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

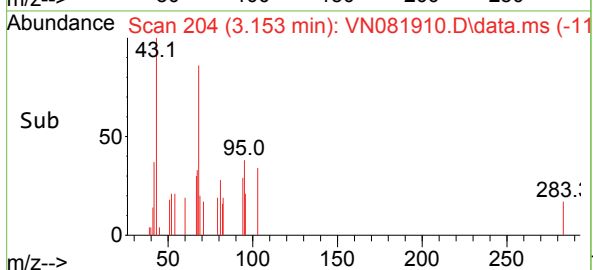
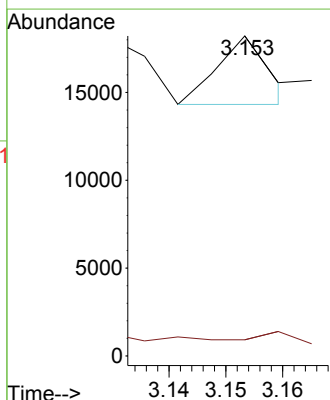
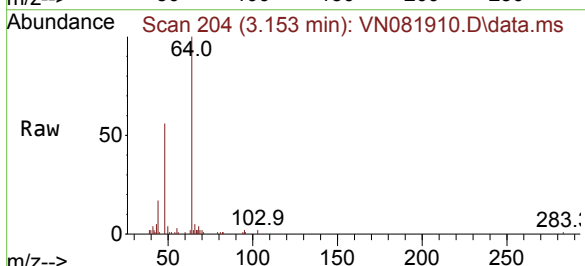
Instrument :
MSVOA_N
ClientSampleId :

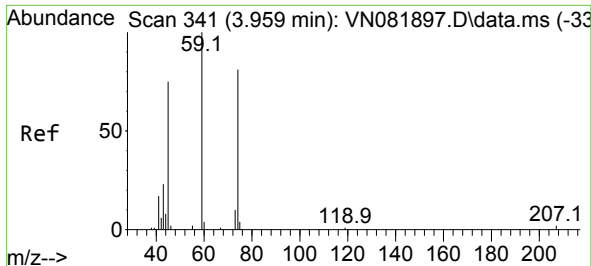
Tgt Ion: 94 Resp: 1242
Ion Ratio Lower Upper
94 100
96 75.8 72.8 109.2



#6
Chloroethane
Concen: 1.542 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.029 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

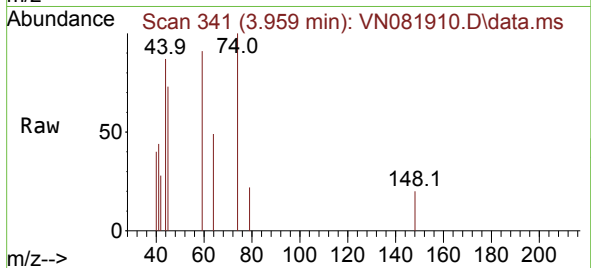
Tgt Ion: 64 Resp: 2422
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



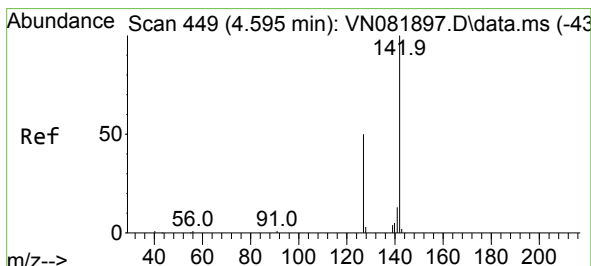
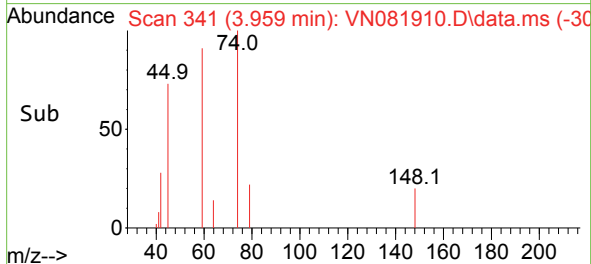
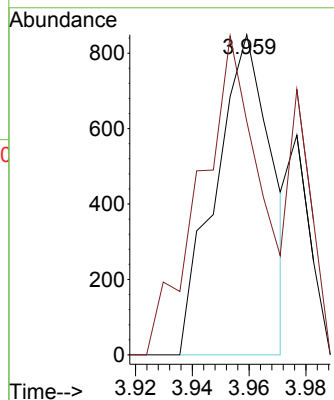


#8
Diethyl Ether
Concen: 0.591 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

Instrument :
MSVOA_N
ClientSampleId :

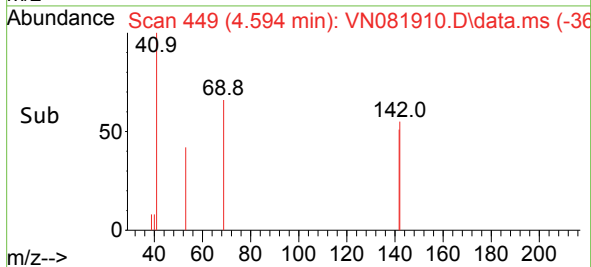
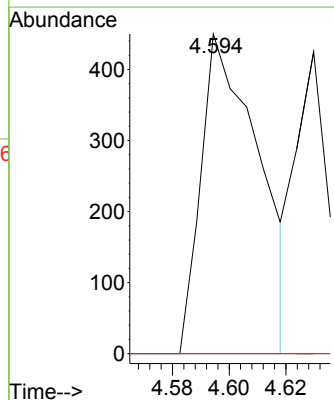
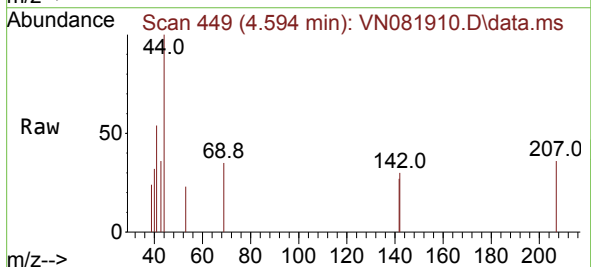


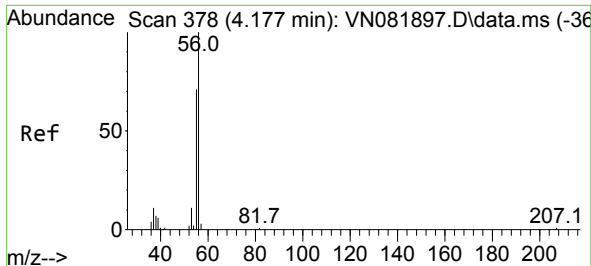
Tgt Ion: 74 Resp: 1161
Ion Ratio Lower Upper
74 100
45 105.9 16.4 147.4



#11
Methyl Iodide
Concen: 0.255 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

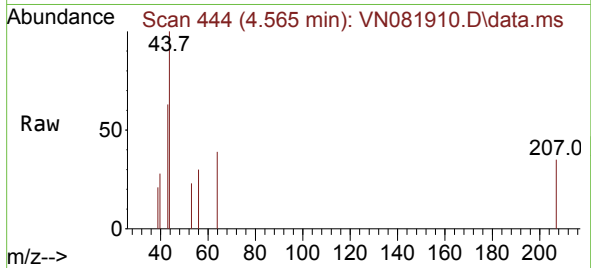
Tgt Ion:142 Resp: 635
Ion Ratio Lower Upper
142 100
127 0.0 26.3 78.9#
141 0.0 8.3 24.9#



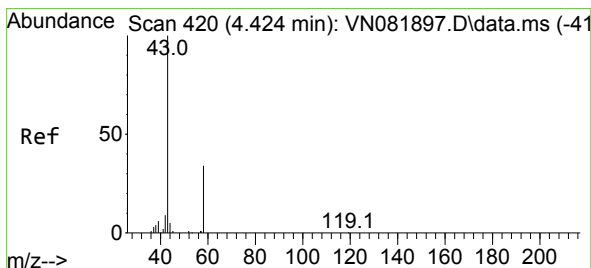
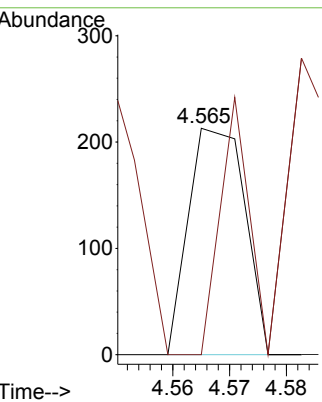
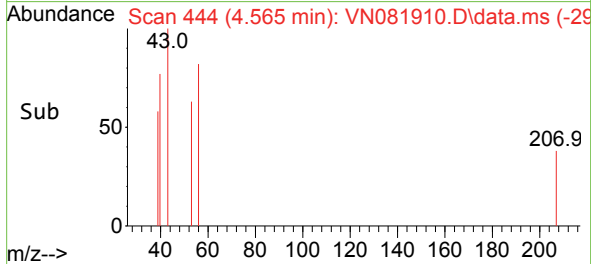


#13
Acrolein
Concen: 0.203 ug/l
RT: 4.565 min Scan# 441
Delta R.T. 0.388 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

Instrument :
MSVOA_N
ClientSampleId :

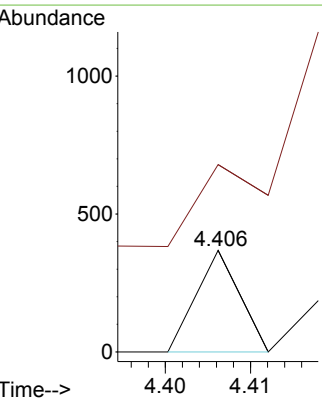
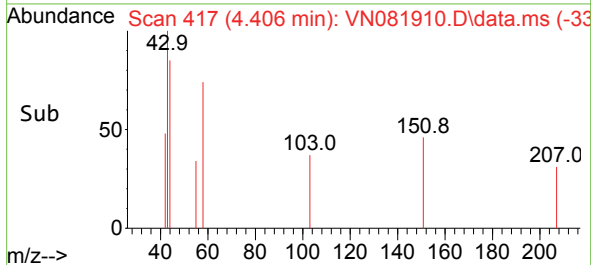
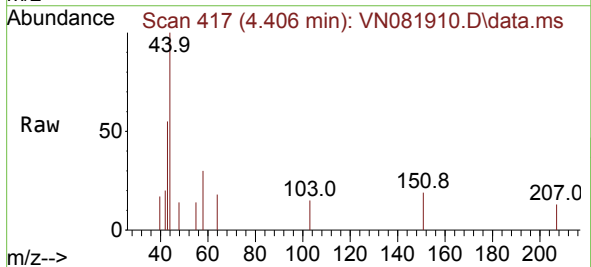


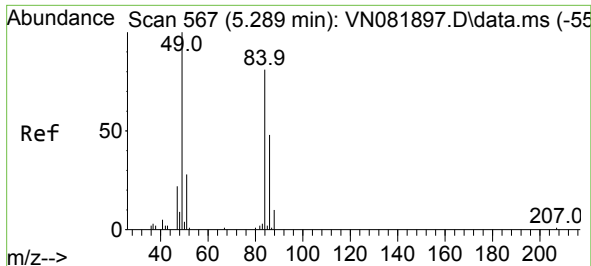
Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 57.8 55.5 83.3



#15
Acetone
Concen: 0.373 ug/l
RT: 4.406 min Scan# 417
Delta R.T. -0.018 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

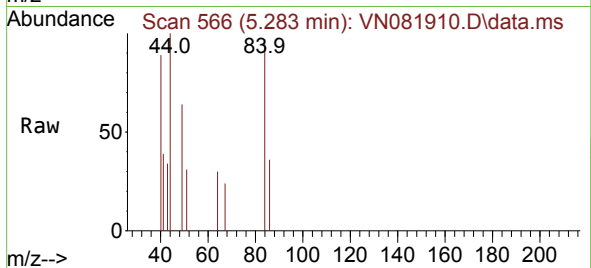
Tgt Ion: 58 Resp: 130
Ion Ratio Lower Upper
58 100
43 80.7 223.1 334.7#



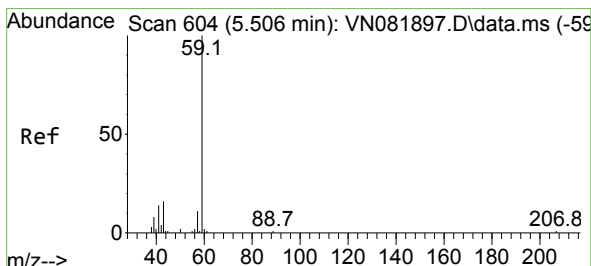
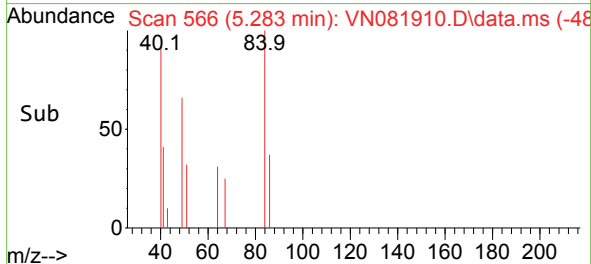
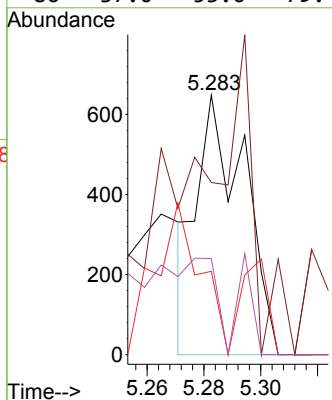


#18
Methylene Chloride
Concen: 0.241 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

Instrument :
MSVOA_N
ClientSampleId :

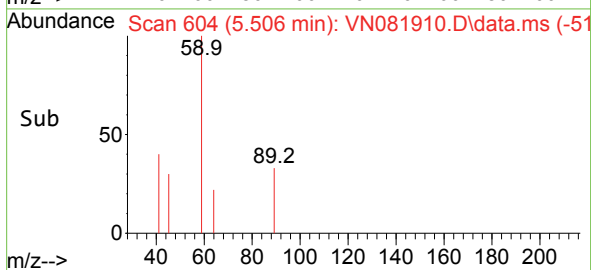
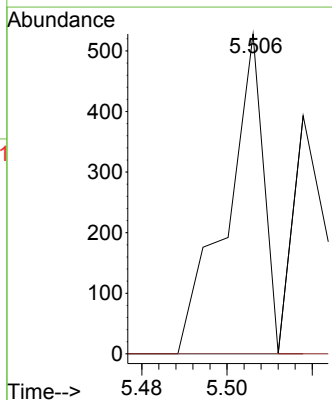
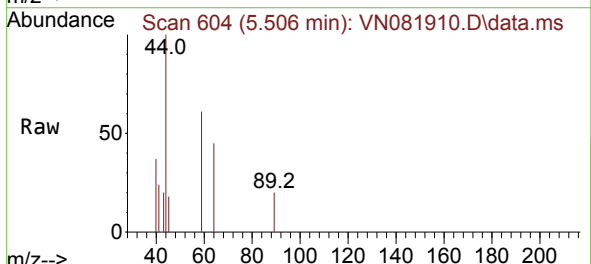


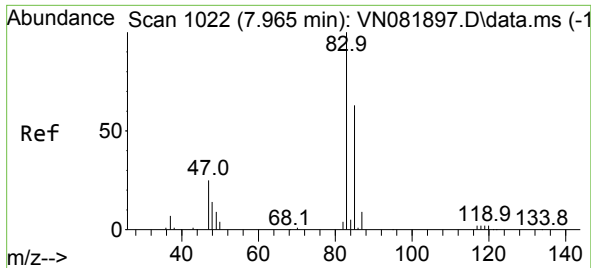
Tgt Ion:	84	Resp:	747
Ion	Ratio	Lower	Upper
84	100		
49	29.6	86.0	129.0#
51	32.1	30.0	45.0
86	37.0	53.0	79.4#



#23
tert-Butyl Alcohol
Concen: 0.493 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.000 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

Tgt Ion:	59	Resp:	316
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

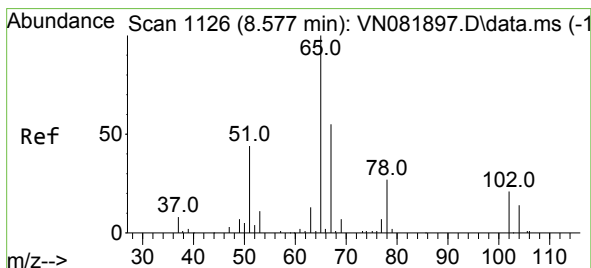
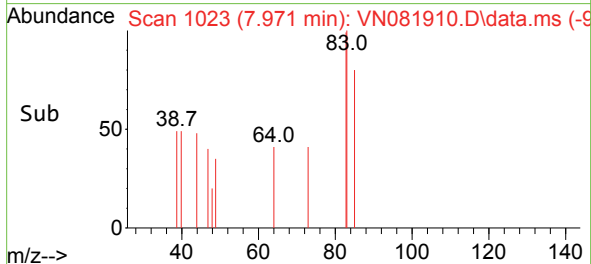
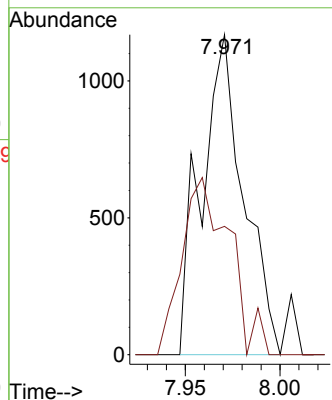
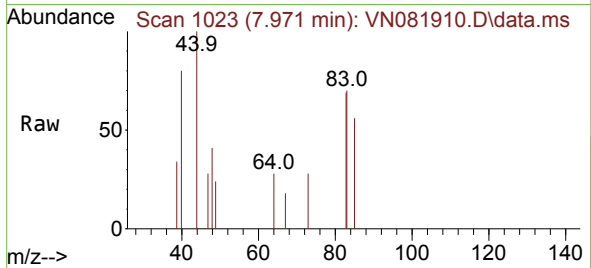




#25
Chloroform
Concen: 0.337 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

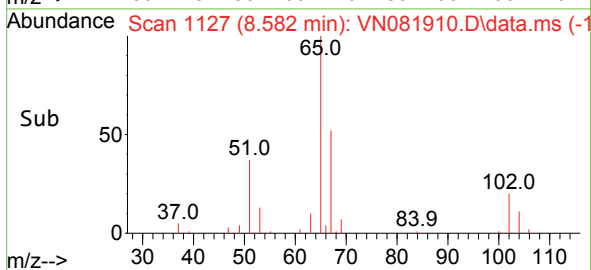
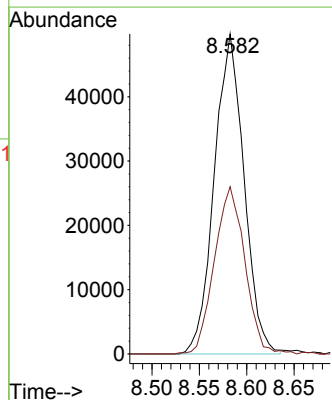
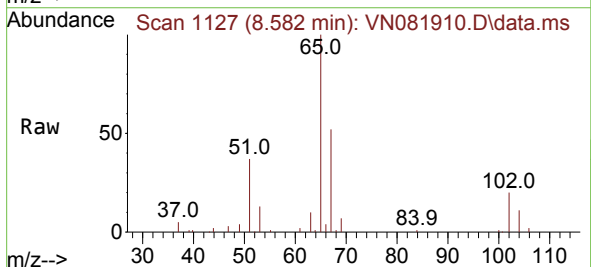
Instrument :
MSVOA_N
ClientSampleId :

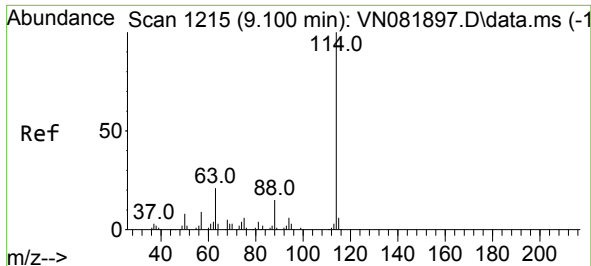
Tgt Ion: 83 Resp: 1818
Ion Ratio Lower Upper
83 100
85 40.1 50.9 76.3#



#27
1,2-Dichloroethane-d4
Concen: 29.050 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

Tgt Ion: 65 Resp: 108498
Ion Ratio Lower Upper
65 100
67 53.6 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081910.D

Acq: 29 Apr 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

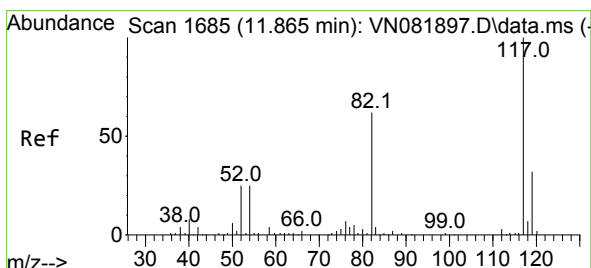
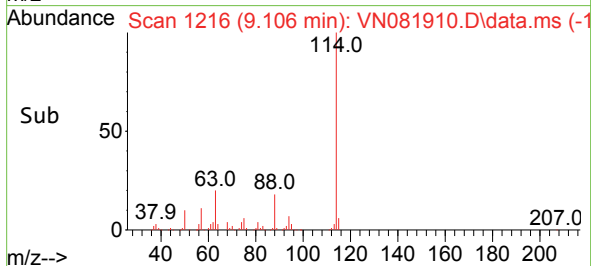
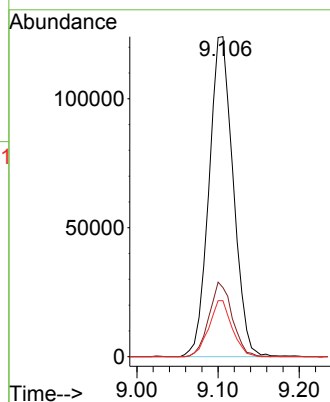
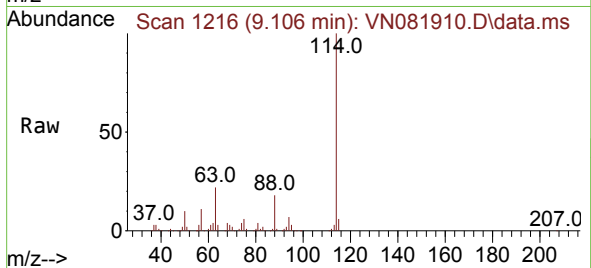
Tgt Ion:114 Resp: 257037

Ion Ratio Lower Upper

114 100

63 22.3 15.9 23.9

88 16.8 12.7 19.1



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN081910.D

Acq: 29 Apr 2024 13:32

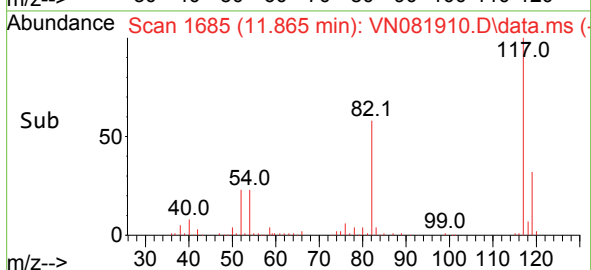
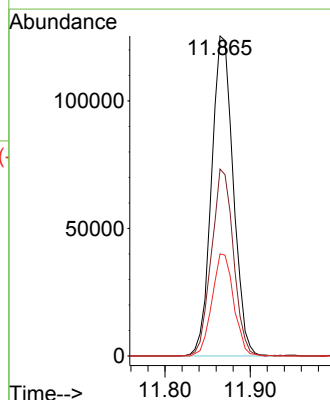
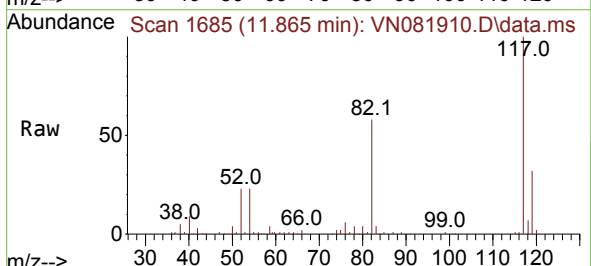
Tgt Ion:117 Resp: 222638

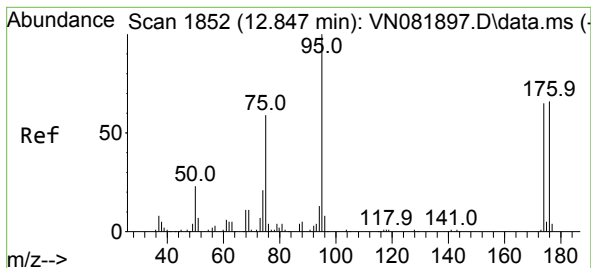
Ion Ratio Lower Upper

117 100

82 59.1 46.6 69.8

119 31.8 25.4 38.2

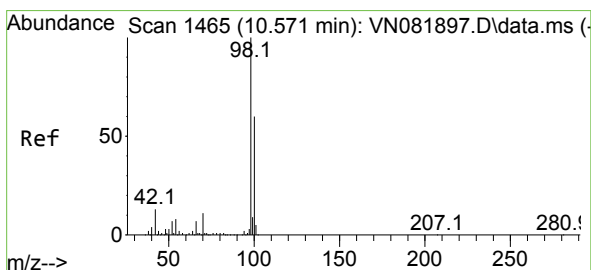
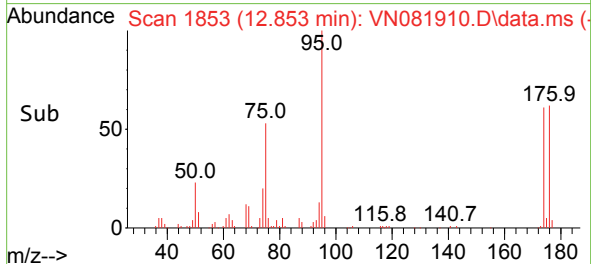
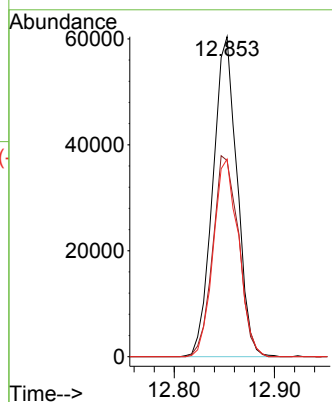
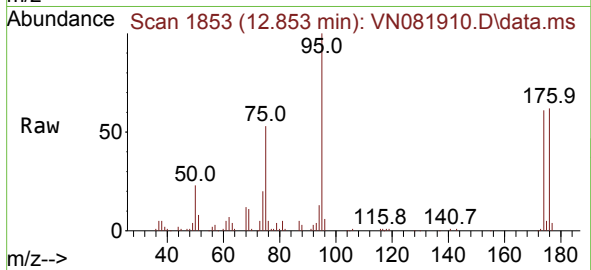




#60
4-Bromofluorobenzene
Concen: 27.396 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

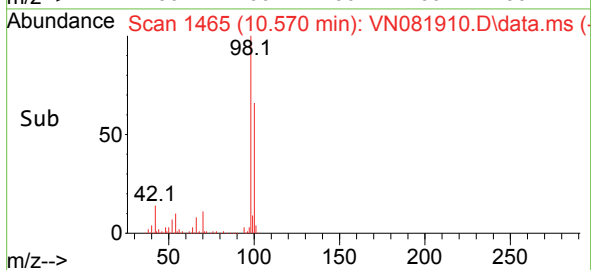
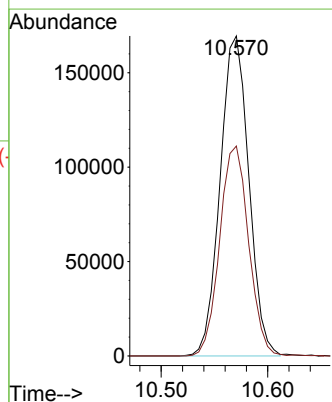
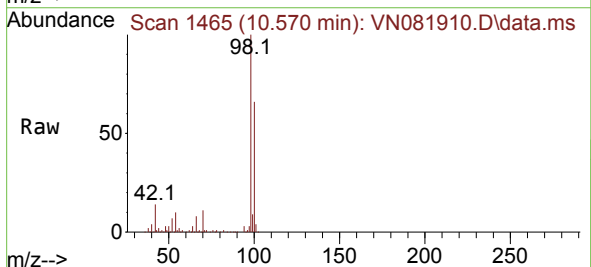
Instrument :
MSVOA_N
ClientSampleId :

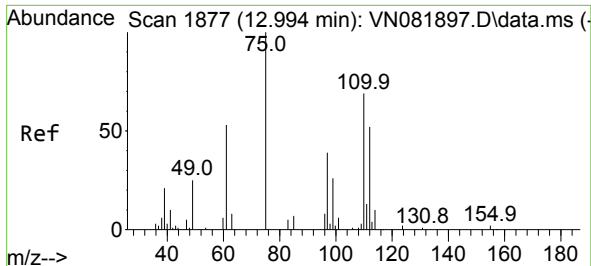
Tgt Ion: 95 Resp: 101509
Ion Ratio Lower Upper
95 100
174 66.8 60.5 90.7
176 64.3 57.8 86.6



#63
Toluene-d8
Concen: 30.005 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081910.D
Acq: 29 Apr 2024 13:32

Tgt Ion: 98 Resp: 317247
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1

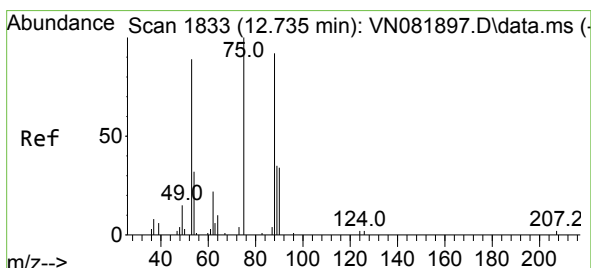
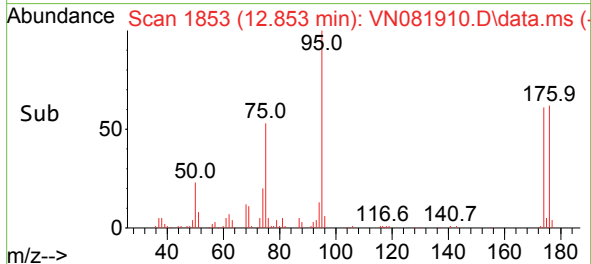
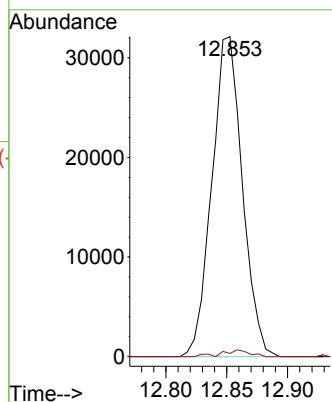
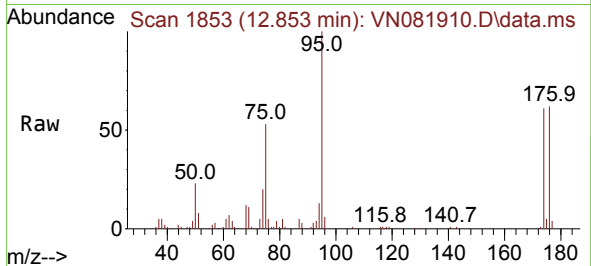




#72
 1,2,3-Trichloropropane
 Concen: 16.283 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081910.D
 Acq: 29 Apr 2024 13:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 56040
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 367.6



#77
 t-1,4-Dichloro-2-butene
 Concen: 36.583 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.117 min
 Lab File: VN081910.D
 Acq: 29 Apr 2024 13:32

Tgt Ion: 75 Resp: 56040
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

