

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081912.D
 Acq On : 29 Apr 2024 14:20
 Operator : JC\MD
 Sample : P2289-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 04:37:27 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)

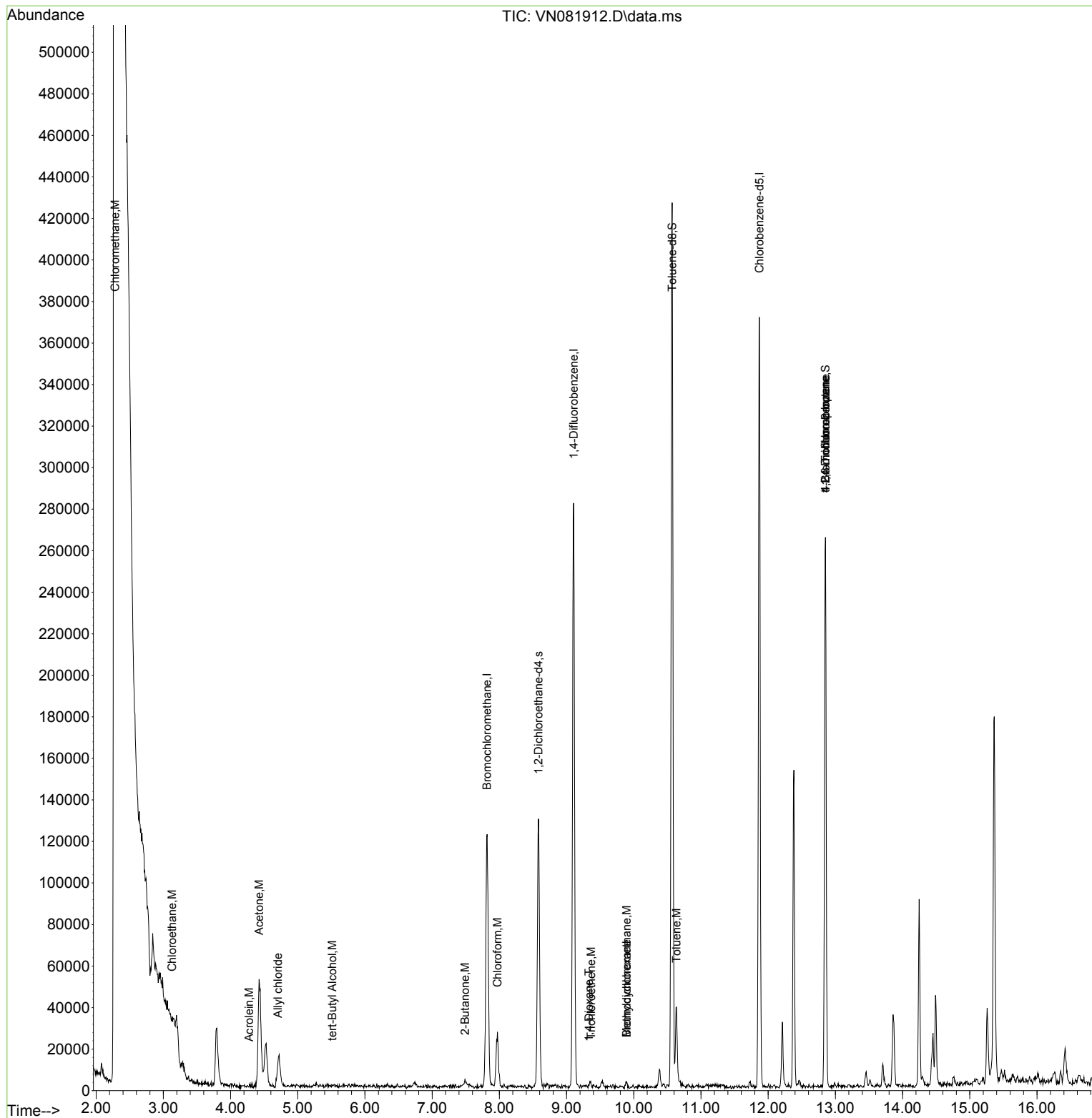
Internal Standards						
1) Bromochloromethane	7.818	128	42588	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	239556	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	206787	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	101431	28.447	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.833%
60) 4-Bromofluorobenzene	12.853	95	96101	27.925	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.100%
63) Toluene-d8	10.571	98	296935	30.237	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.283	50	333559	118.975	ug/l #	44
6) Chloroethane	3.130	64	2603	1.736	ug/l #	57
13) Acrolein	4.277	56	220	0.318	ug/l	83
15) Acetone	4.424	58	31387	94.296	ug/l	85
17) Allyl chloride	4.706	41	952	0.209	ug/l	84
23) tert-Butyl Alcohol	5.512	59	125	0.204	ug/l #	100
25) Chloroform	7.971	83	23479	4.565	ug/l	99
30) 2-Butanone	7.488	43	5244	2.853	ug/l #	81
37) Trichloroethene	9.365	130	956	0.343	ug/l #	44
38) Methylcyclohexane	9.894	83	2076	0.482	ug/l #	21
41) Bromodichloromethane	9.894	83	2169	0.541	ug/l #	93
45) 1,4-Dioxane	9.335	88	72	1.262	ug/l #	1
62) Toluene	10.635	91	27251	2.342	ug/l	99
72) 1,2,3-Trichloropropane	12.853	75	52095	16.297	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	52095	36.615	ug/l #	12

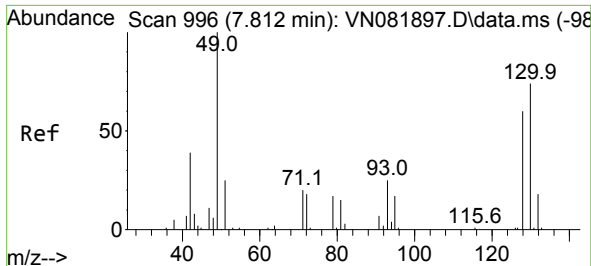
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
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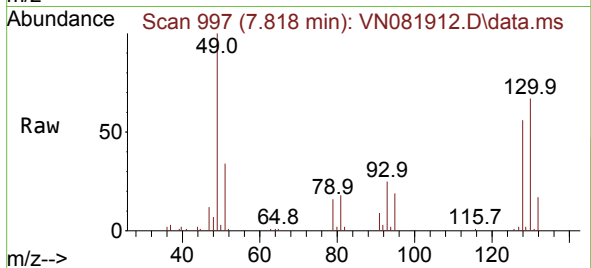
Quant Time: Apr 30 04:37:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
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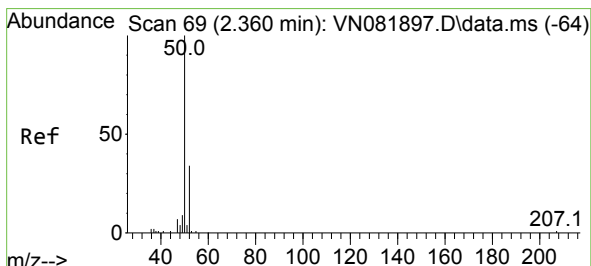
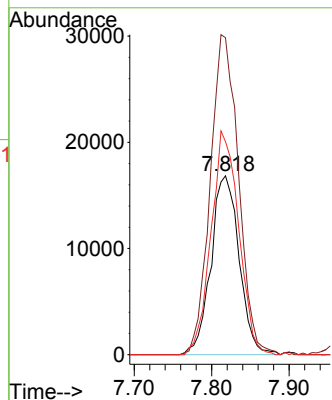
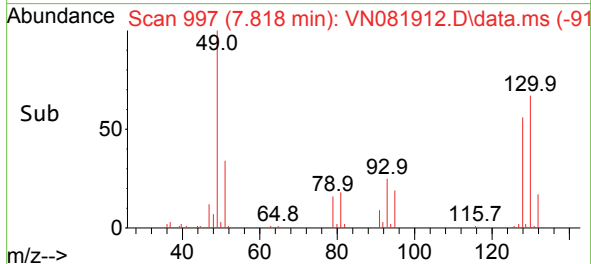


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

Instrument :
MSVOA_N
ClientSampleId :

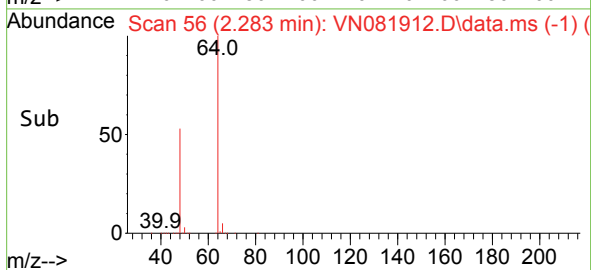
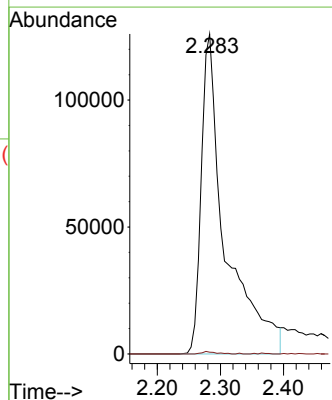
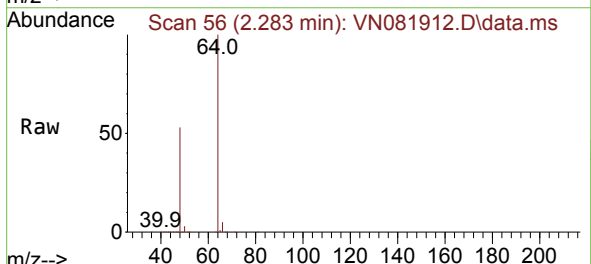


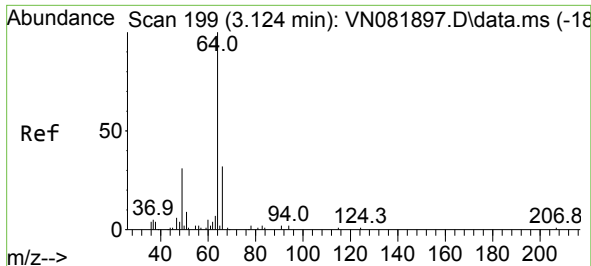
Tgt Ion:128 Resp: 42588
Ion Ratio Lower Upper
128 100
49 179.1 0.0 403.7
130 123.0 0.0 323.3



#3
Chloromethane
Concen: 118.975 ug/l
RT: 2.283 min Scan# 56
Delta R.T. -0.077 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

Tgt Ion: 50 Resp: 333559
Ion Ratio Lower Upper
50 100
52 0.5 25.4 38.0#

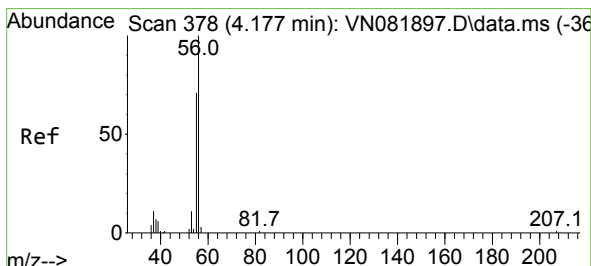
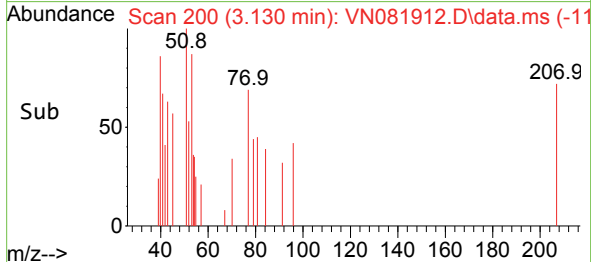
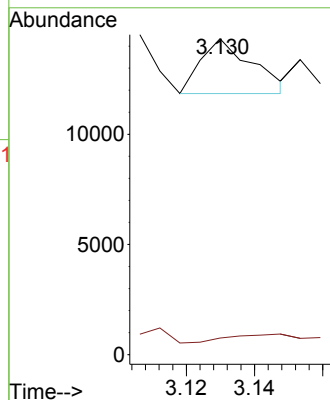
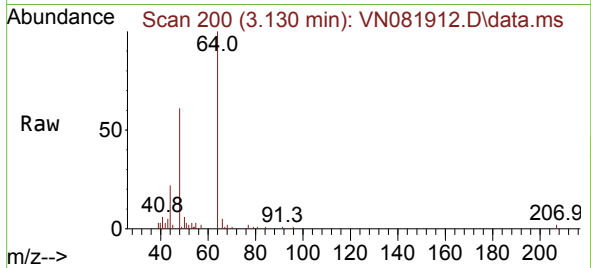




#6
Chloroethane
Concen: 1.736 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

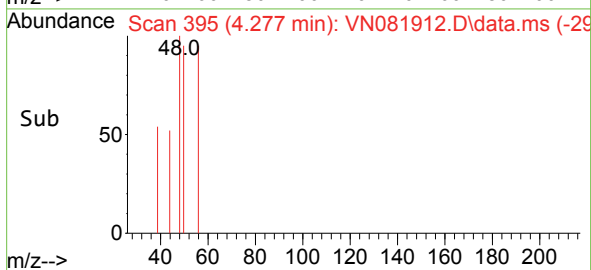
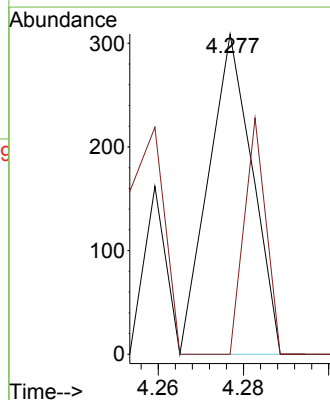
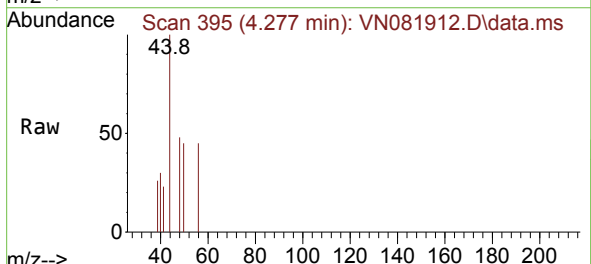
Instrument :
MSVOA_N
ClientSampleId :

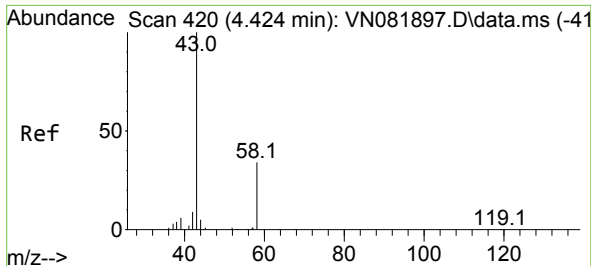
Tgt Ion: 64 Resp: 2603
Ion Ratio Lower Upper
64 100
66 9.2 26.7 40.1#



#13
Acrolein
Concen: 0.318 ug/l
RT: 4.277 min Scan# 395
Delta R.T. 0.100 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

Tgt Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 55.9 55.5 83.3





#15

Acetone

Concen: 94.296 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN081912.D

Acq: 29 Apr 2024 14:20

Instrument :

MSVOA_N

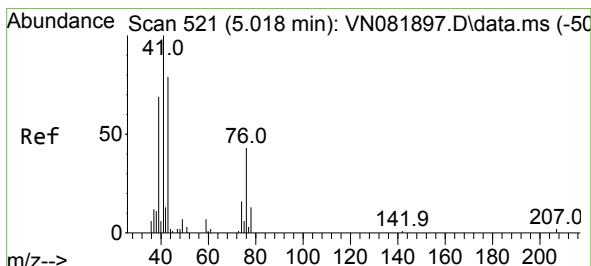
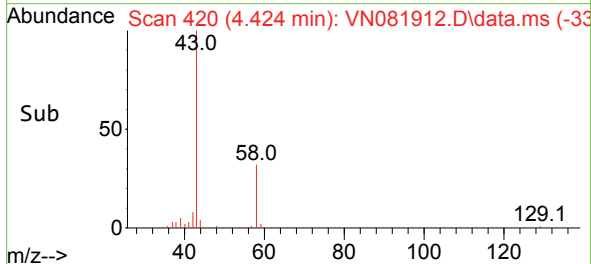
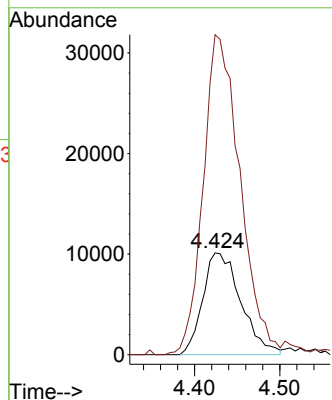
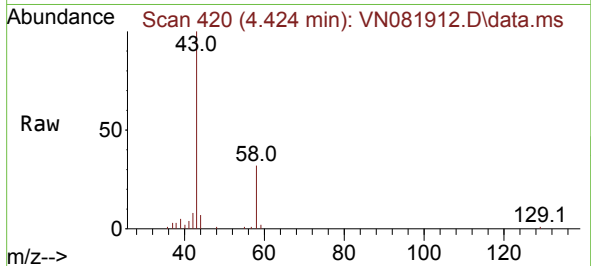
ClientSampleId :

Tgt Ion: 58 Resp: 31387

Ion Ratio Lower Upper

58 100

43 307.8 223.1 334.7



#17

Allyl chloride

Concen: 0.209 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.312 min

Lab File: VN081912.D

Acq: 29 Apr 2024 14:20

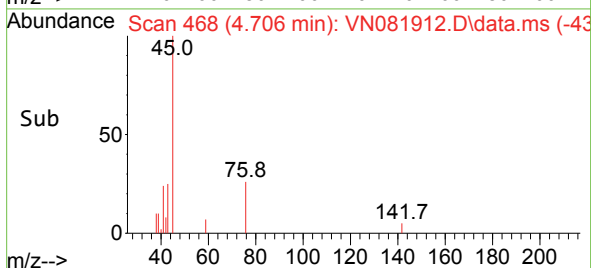
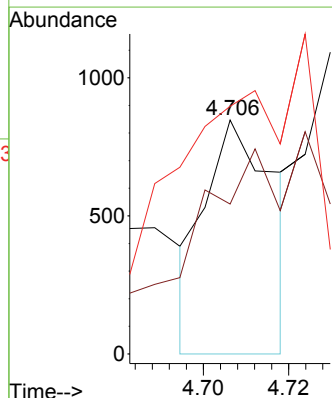
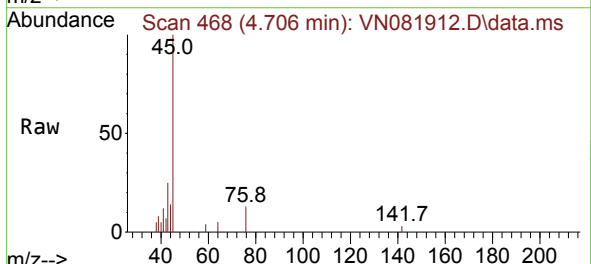
Tgt Ion: 41 Resp: 952

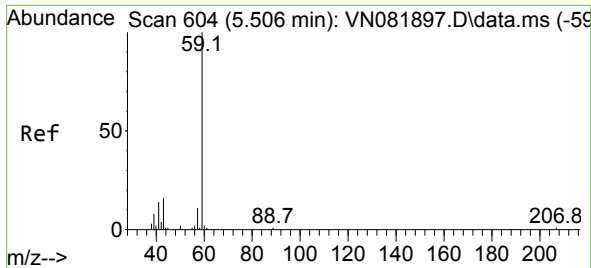
Ion Ratio Lower Upper

41 100

39 58.4 37.6 112.9

76 48.4 27.8 83.4

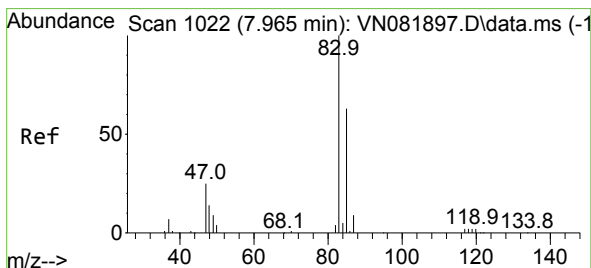
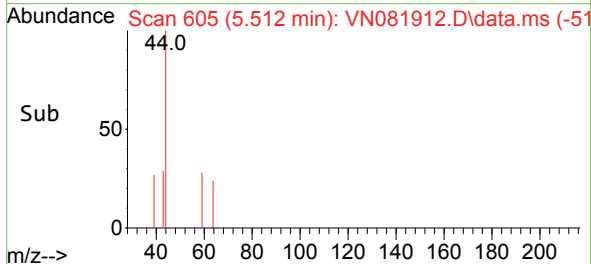
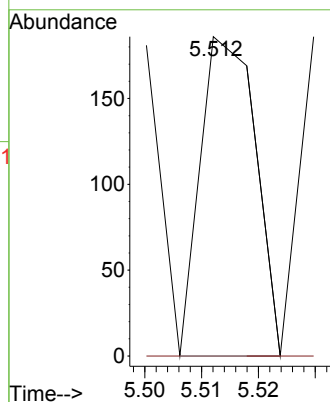
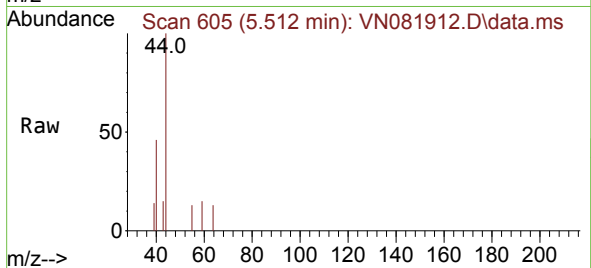




#23
tert-Butyl Alcohol
Concen: 0.204 ug/l
RT: 5.512 min Scan# 604
Delta R.T. 0.006 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

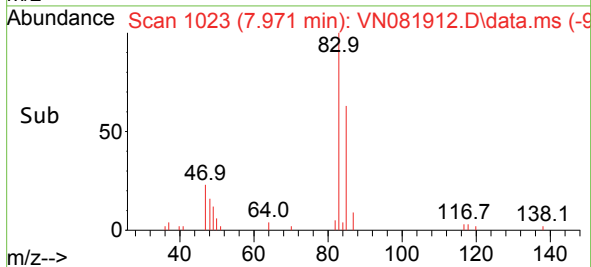
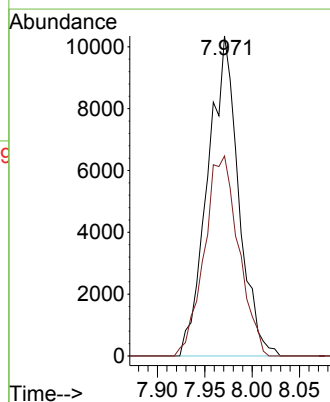
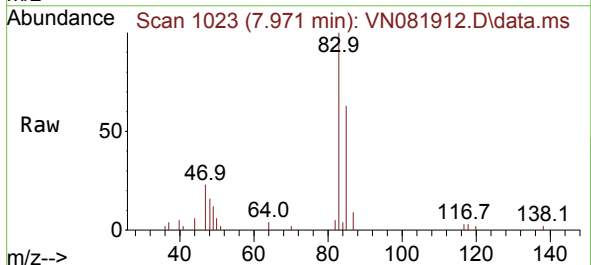
Instrument :
MSVOA_N
ClientSampleId :

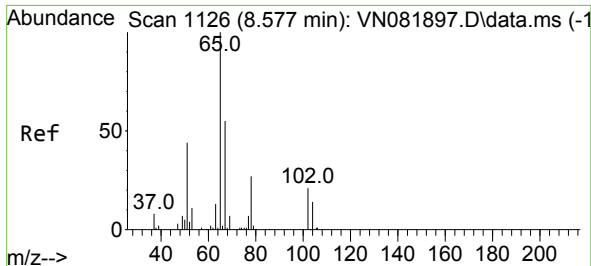
Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 4.565 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

Tgt Ion: 83 Resp: 23479
Ion Ratio Lower Upper
83 100
85 62.5 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 28.447 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081912.D

Acq: 29 Apr 2024 14:20

Instrument :

MSVOA_N

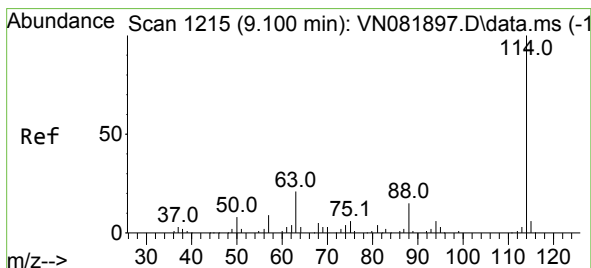
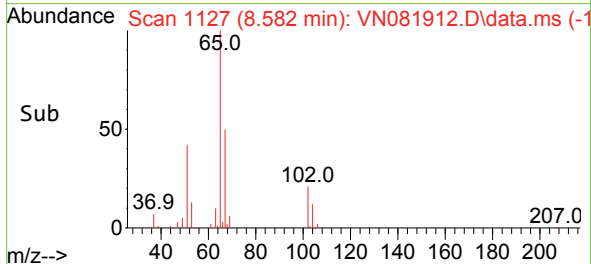
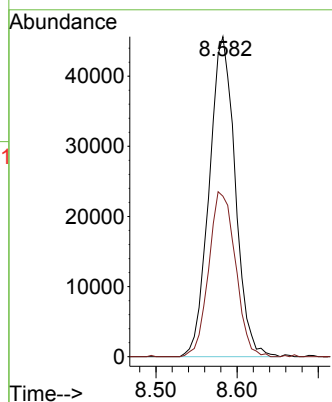
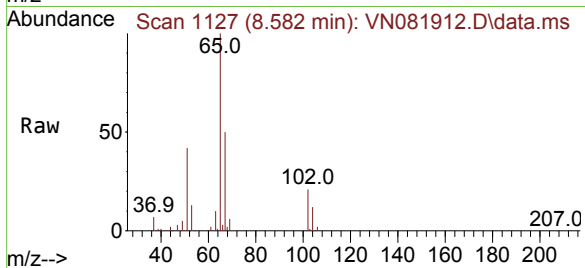
ClientSampleId :

Tgt Ion: 65 Resp: 101431

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. 0.006 min

Lab File: VN081912.D

Acq: 29 Apr 2024 14:20

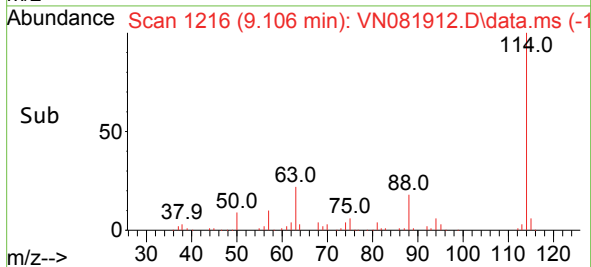
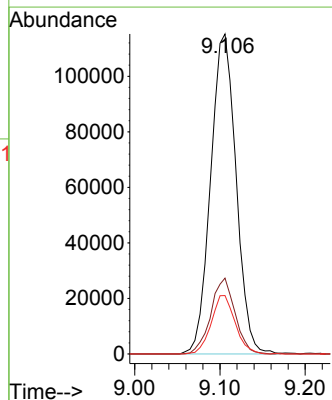
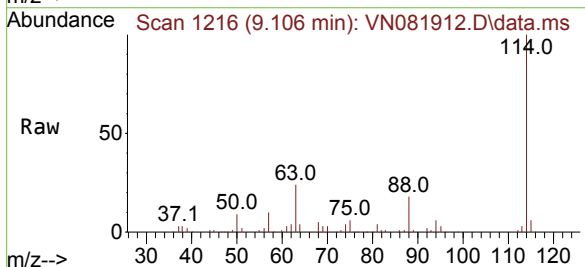
Tgt Ion:114 Resp: 239556

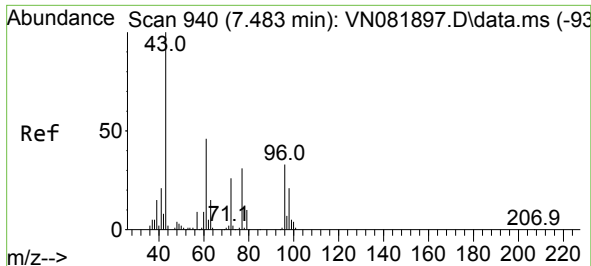
Ion Ratio Lower Upper

114 100

63 22.5 15.9 23.9

88 17.2 12.7 19.1

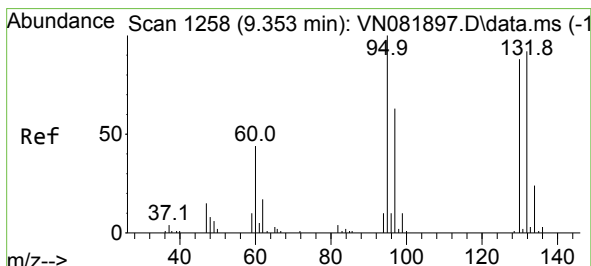
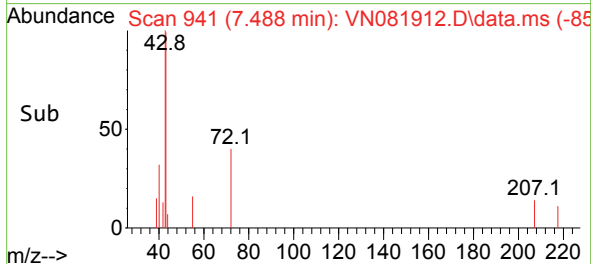
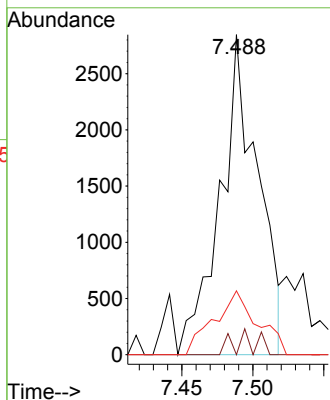
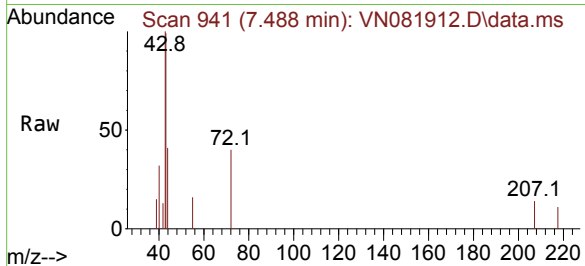




#30
2-Butanone
Concen: 2.853 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

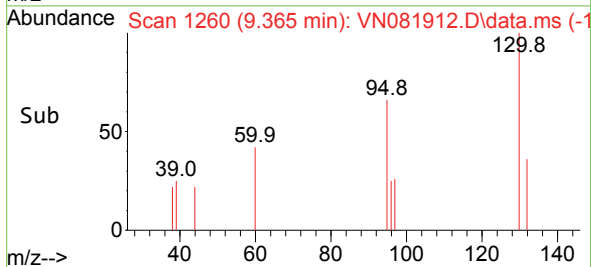
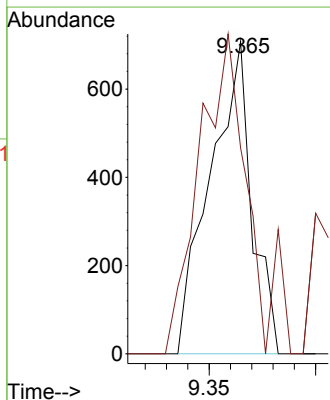
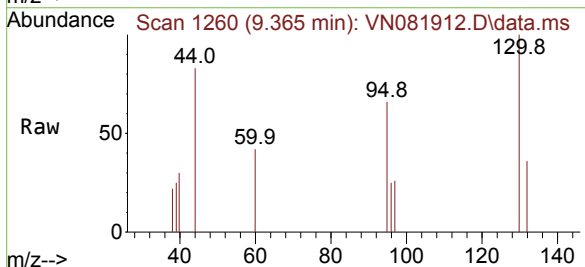
Instrument :
MSVOA_N
ClientSampleId :

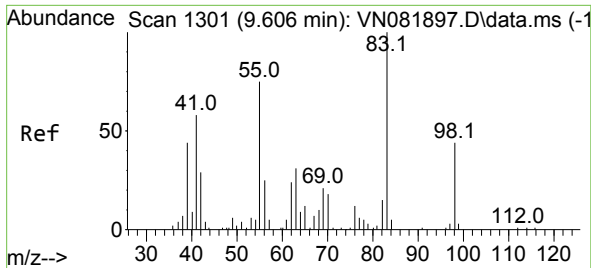
Tgt Ion: 43 Resp: 5244
Ion Ratio Lower Upper
43 100
57 1.6 6.7 10.1#
72 20.0 24.0 36.0#



#37
Trichloroethene
Concen: 0.343 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. 0.012 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

Tgt Ion:130 Resp: 956
Ion Ratio Lower Upper
130 100
95 44.5 80.2 120.4#





#38

Methylcyclohexane

Concen: 0.482 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.288 min

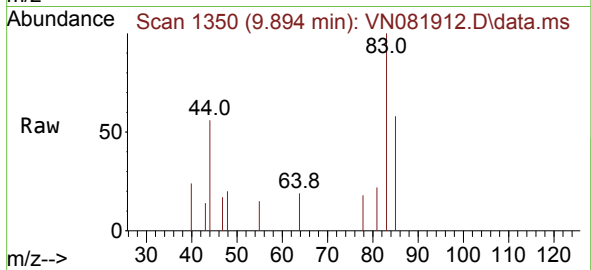
Lab File: VN081912.D

Acq: 29 Apr 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :



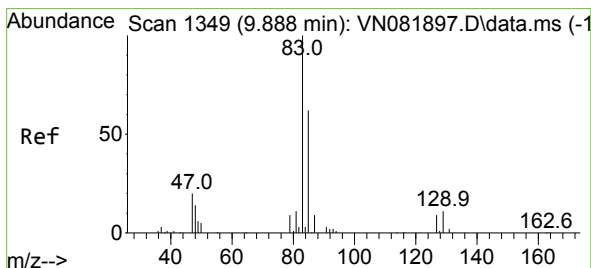
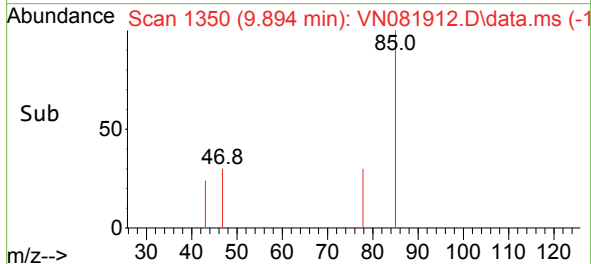
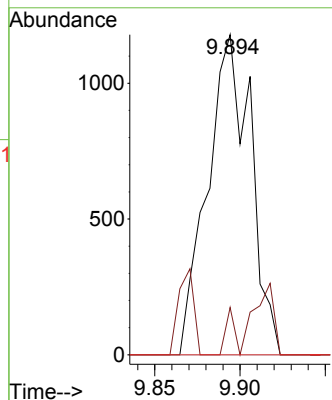
Tgt Ion: 83 Resp: 2076

Ion Ratio Lower Upper

83 100

55 2.9 36.6 109.9#

98 0.0 23.8 71.5#



#41

Bromodichloromethane

Concen: 0.541 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.006 min

Lab File: VN081912.D

Acq: 29 Apr 2024 14:20

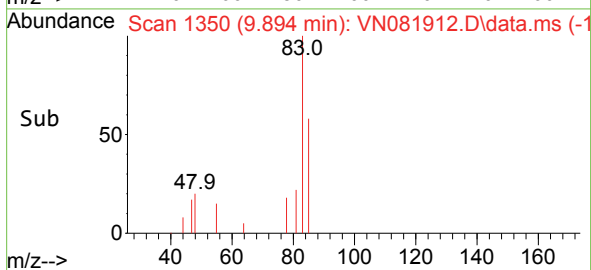
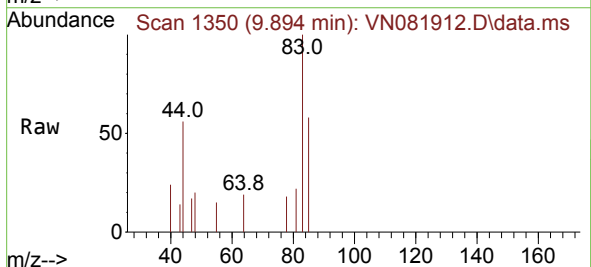
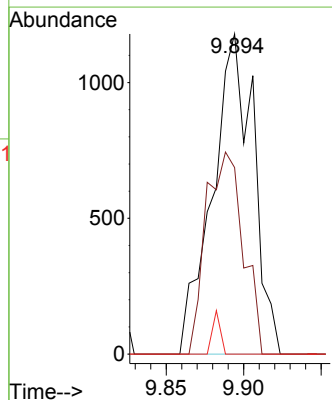
Tgt Ion: 83 Resp: 2169

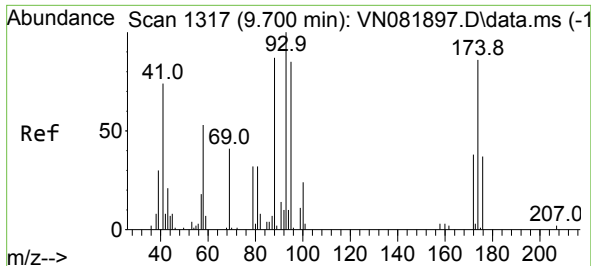
Ion Ratio Lower Upper

83 100

85 58.3 49.4 74.2

127 0.0 7.3 10.9#





#45

1,4-Dioxane

Concen: 1.262 ug/l

RT: 9.335 min Scan# 1

Delta R.T. -0.365 min

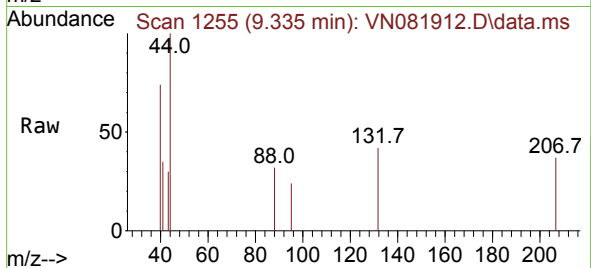
Lab File: VN081912.D

Acq: 29 Apr 2024 14:20

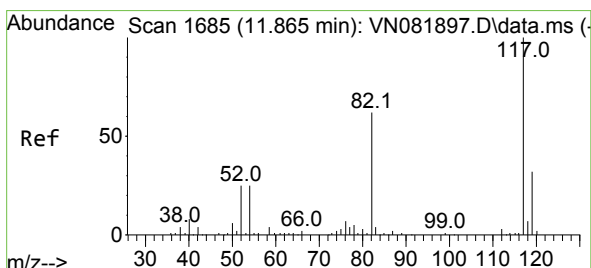
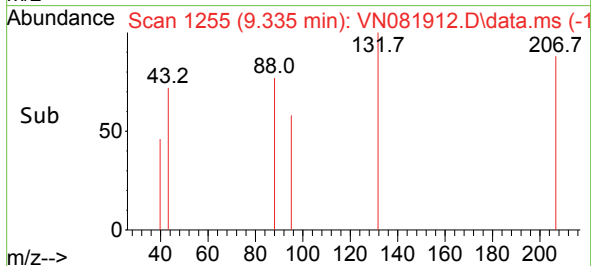
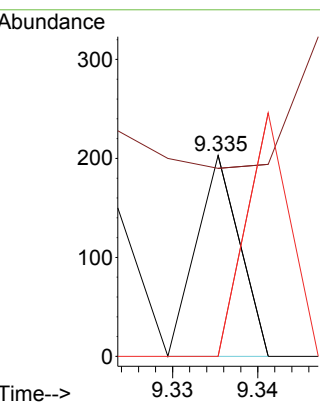
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	88	Resp:	72
Ion	Ratio	Lower	Upper
88	100		
43	254.2	19.8	29.6#
58	0.0	55.4	83.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

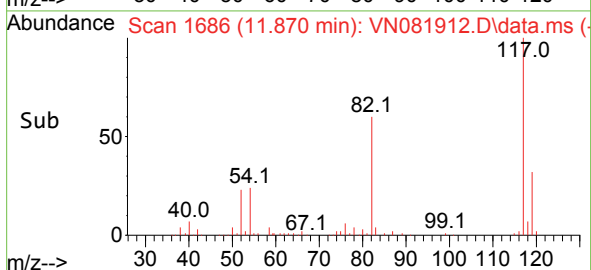
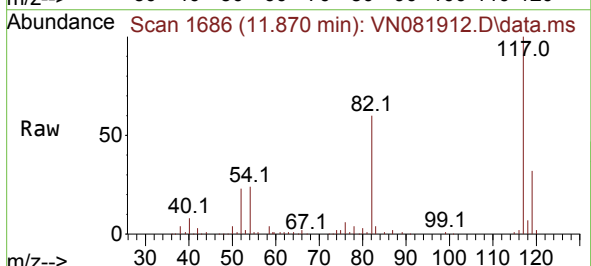
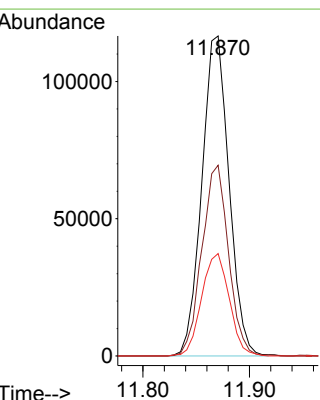
RT: 11.870 min Scan# 1686

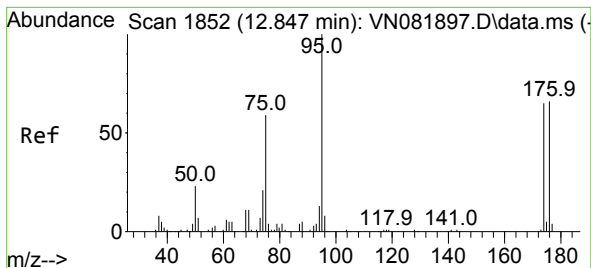
Delta R.T. 0.006 min

Lab File: VN081912.D

Acq: 29 Apr 2024 14:20

Tgt Ion:	117	Resp:	206787
Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.6	69.8
119	32.5	25.4	38.2

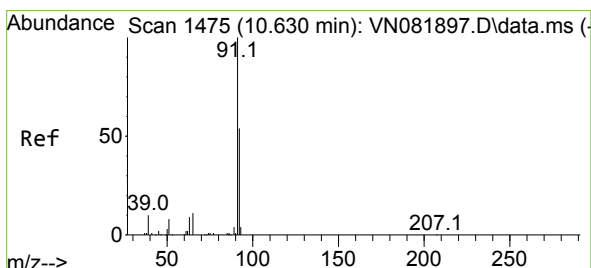
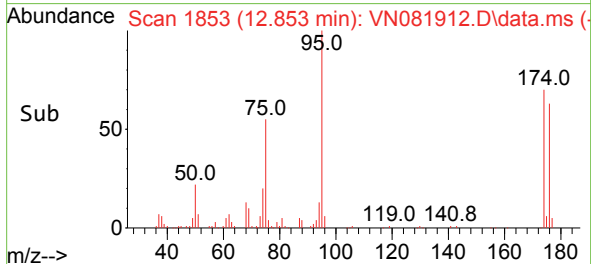
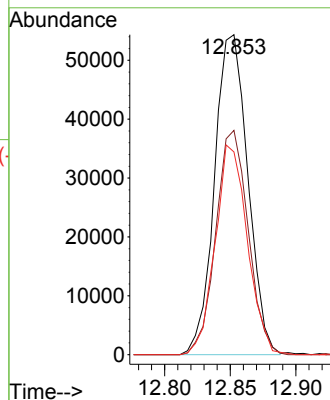
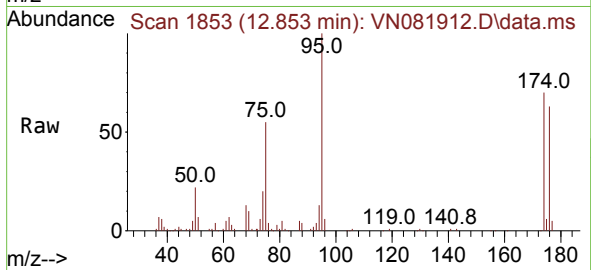




#60
4-Bromofluorobenzene
Concen: 27.925 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

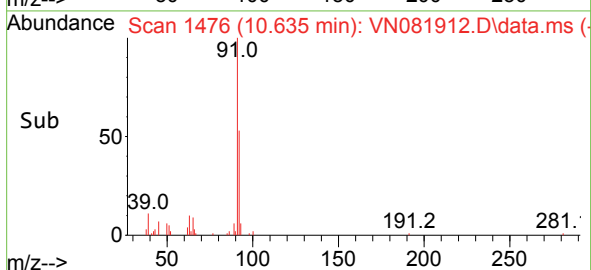
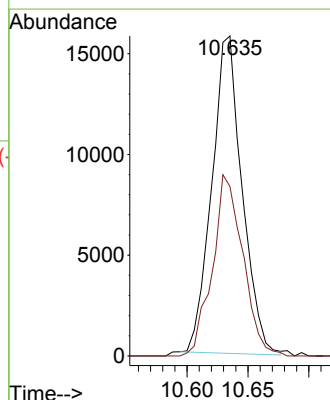
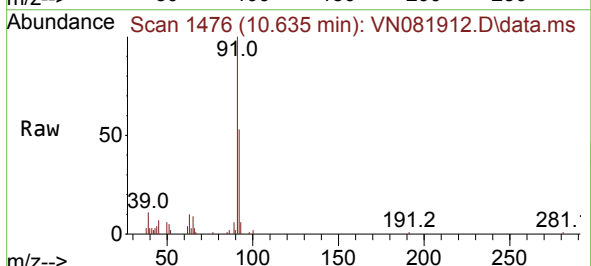
Instrument :
MSVOA_N
ClientSampleId :

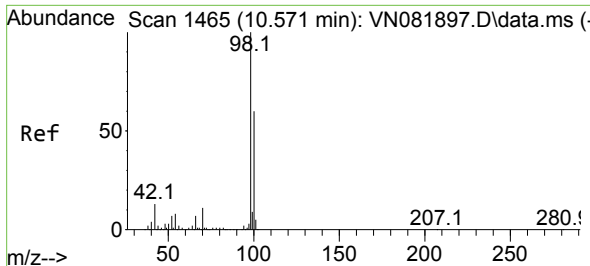
Tgt Ion: 95 Resp: 96101
Ion Ratio Lower Upper
95 100
174 68.1 60.5 90.7
176 63.3 57.8 86.6



#62
Toluene
Concen: 2.342 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

Tgt Ion: 91 Resp: 27251
Ion Ratio Lower Upper
91 100
92 57.4 46.5 69.7

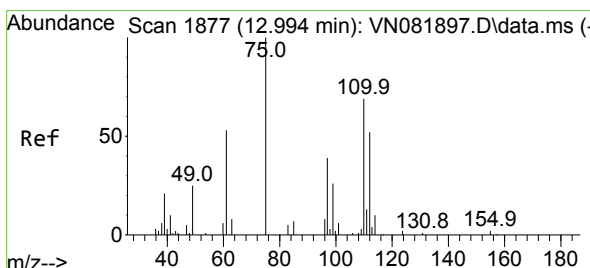
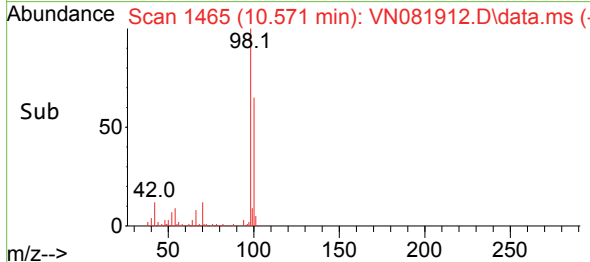
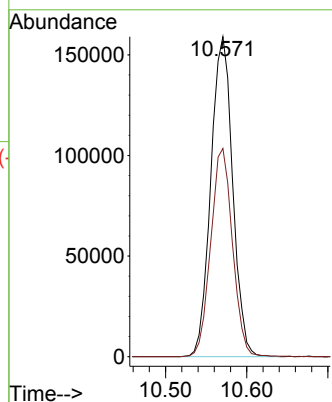
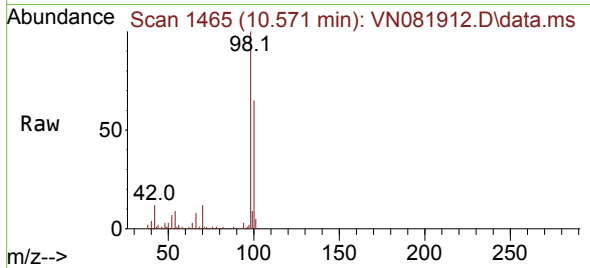




#63
Toluene-d8
Concen: 30.237 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

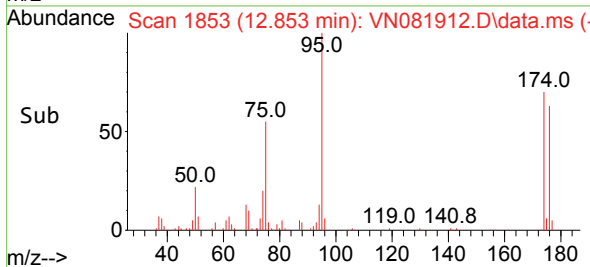
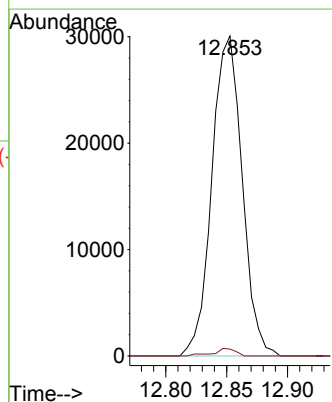
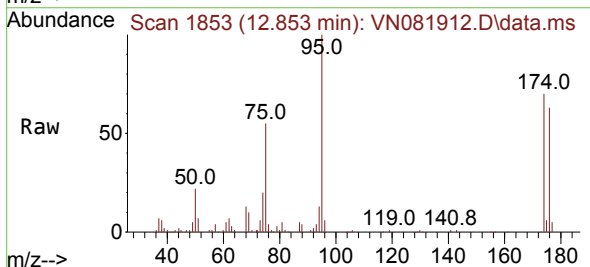
Instrument :
MSVOA_N
ClientSampleId :

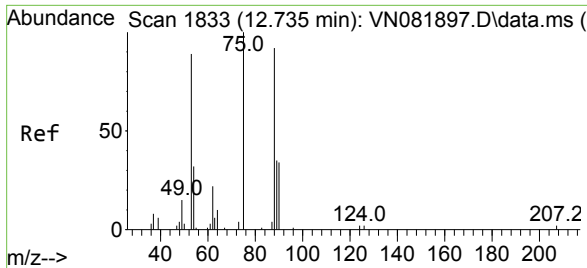
Tgt Ion: 98 Resp: 296935
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.297 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081912.D
Acq: 29 Apr 2024 14:20

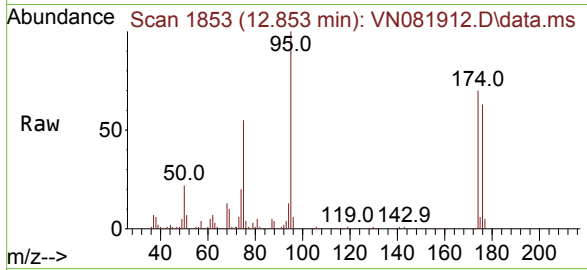
Tgt Ion: 75 Resp: 52095
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.615 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN081912.D
 Acq: 29 Apr 2024 14:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 52095
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

