

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
 Data File : VN080706.D
 Acq On : 12 Jan 2024 21:40
 Operator : JC\MD
 Sample : P1111-12
 Misc : 2.31g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 22:21:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	156465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	333971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	139019	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	112303	40.872	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.740%
35) Dibromofluoromethane	8.165	113	91026	46.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.480%
50) Toluene-d8	10.565	98	365623	48.707	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.847	95	141918	49.301	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.600%

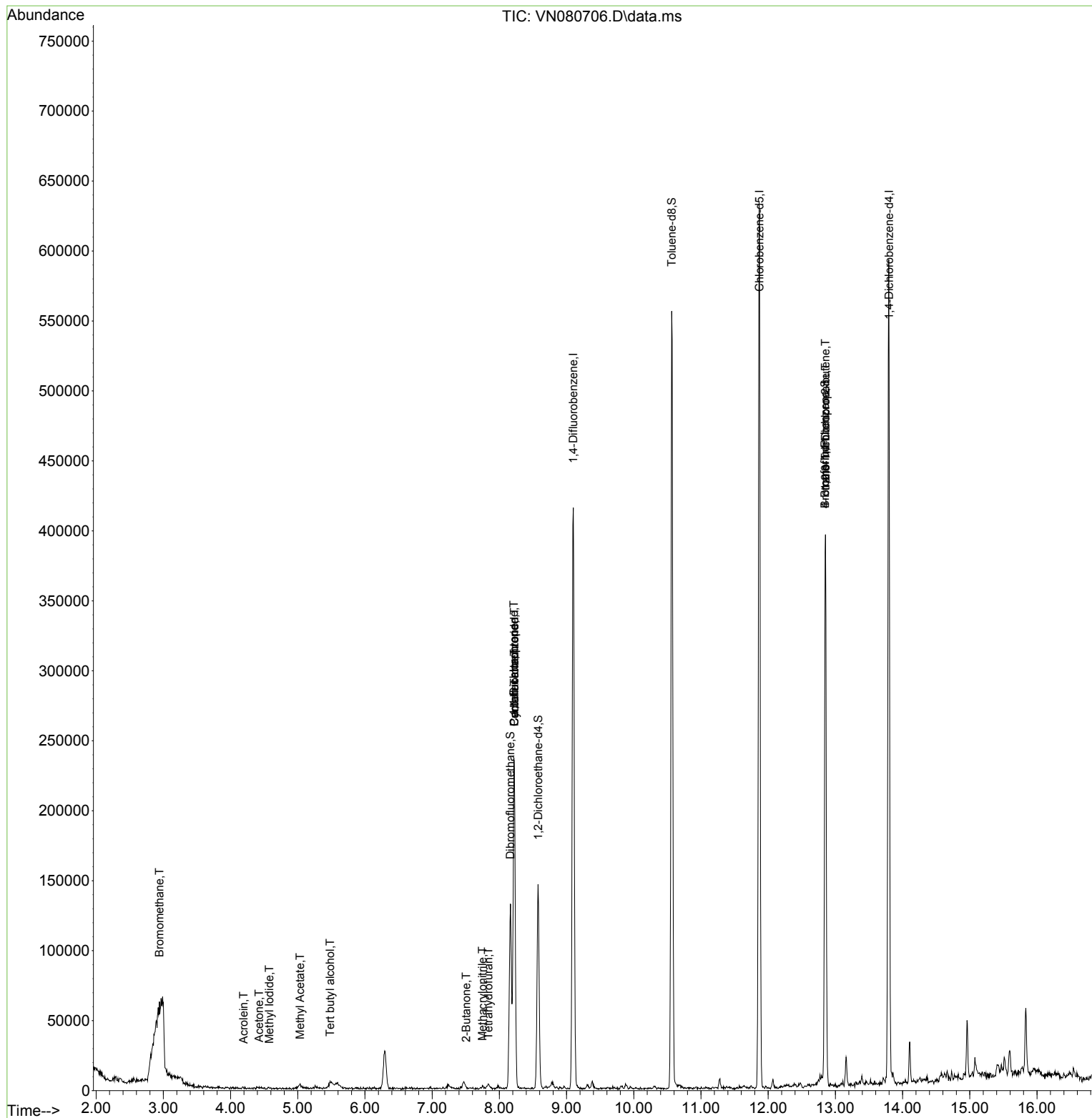
Target Compounds			Qvalue			
3) Chloromethane	2.353	50	1527	Below Cal		94
5) Bromomethane	2.942	94	1097	1.251 ug/l #		4
6) Chloroethane	3.053	64	76	Below Cal #		43
10) Methyl Iodide	4.577	142	487	0.281 ug/l #		38
11) Tert butyl alcohol	5.483	59	2515	5.412 ug/l #		80
13) Acrolein	4.194	56	153	0.394 ug/l #		1
16) Acetone	4.424	43	746	0.827 ug/l		97
18) Methyl Acetate	5.036	43	3334	1.241 ug/l		91
25) 2-Butanone	7.506	43	2997	1.838 ug/l #		37
29) Tetrahydrofuran	7.835	42	1113	1.013 ug/l #		52
31) Cyclohexane	8.224	56	5272	1.242 ug/l #		31
36) 1,1-Dichloropropene	8.218	75	16991	4.213 ug/l #		46
38) Carbon Tetrachloride	8.224	117	17891	4.941 ug/l #		14
41) Methacrylonitrile	7.747	41	1065	0.470 ug/l #		35
71) Bromoform	12.847	173	579	0.325 ug/l #		1
76) 1,2,3-Trichloropropane	12.853	75	79309	18.501 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	79309	43.614 ug/l #		15

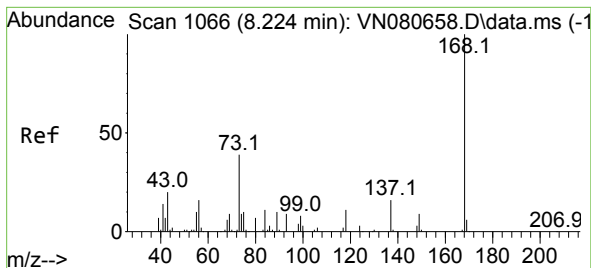
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080706.D

Acq: 12 Jan 2024 21:40

Instrument :

MSVOA_N

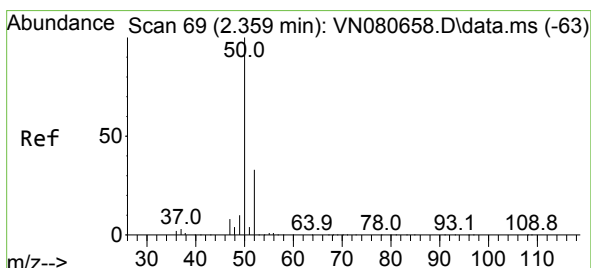
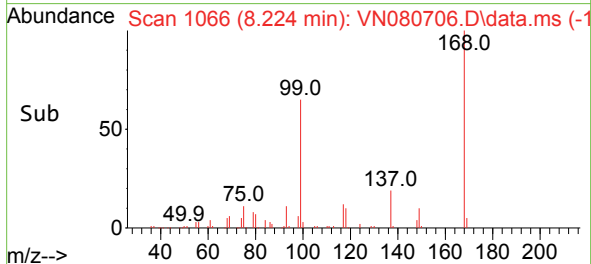
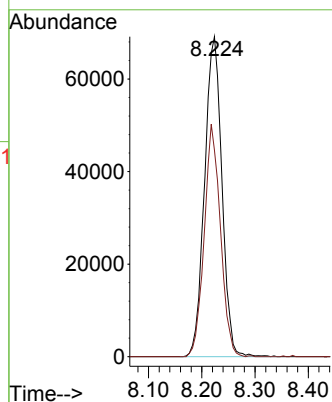
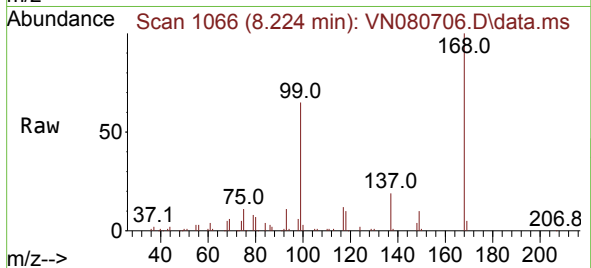
ClientSampleId :

Tgt Ion:168 Resp: 156465

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN080706.D

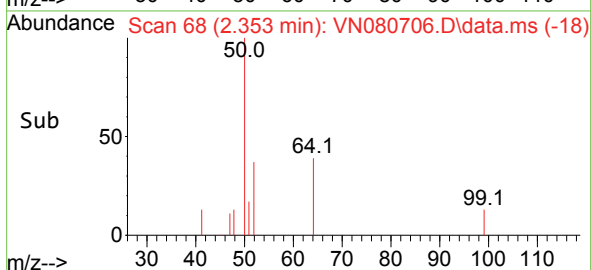
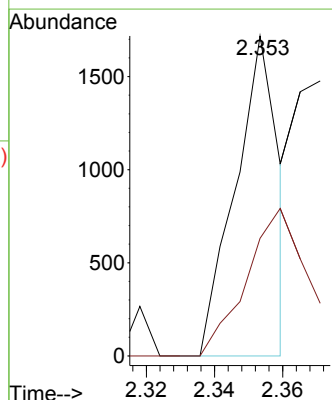
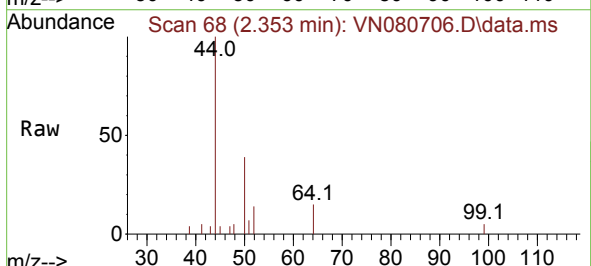
Acq: 12 Jan 2024 21:40

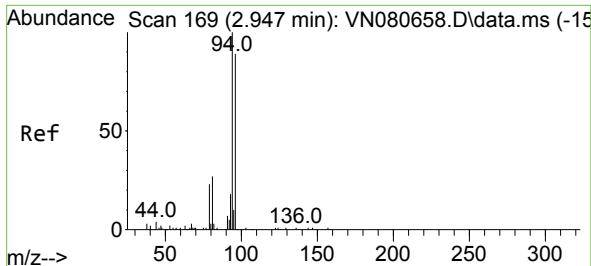
Tgt Ion: 50 Resp: 1527

Ion Ratio Lower Upper

50 100

52 36.7 26.5 39.7

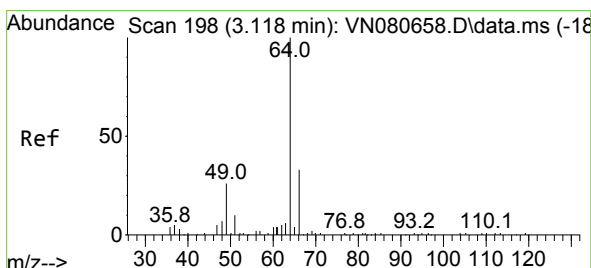
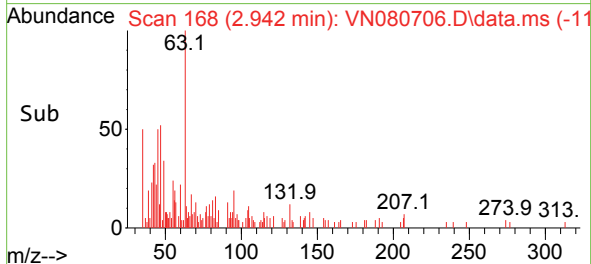
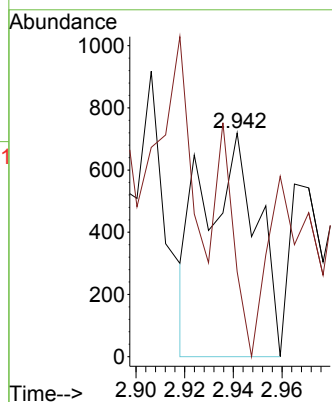
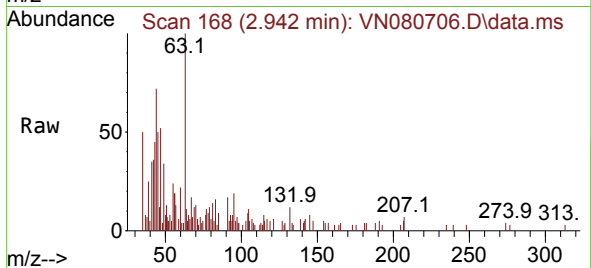




#5
Bromomethane
Concen: 1.251 ug/l
RT: 2.942 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

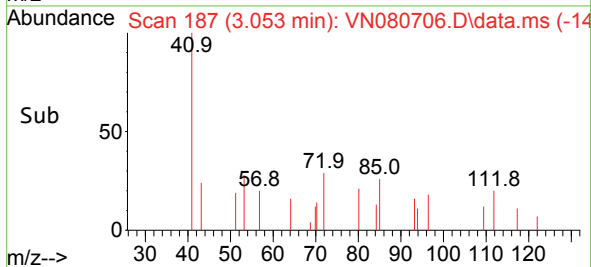
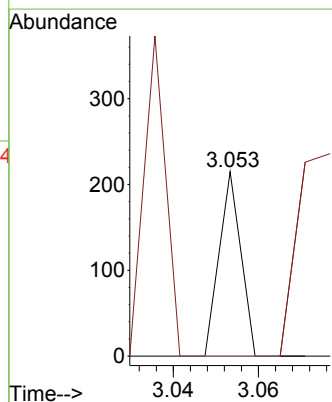
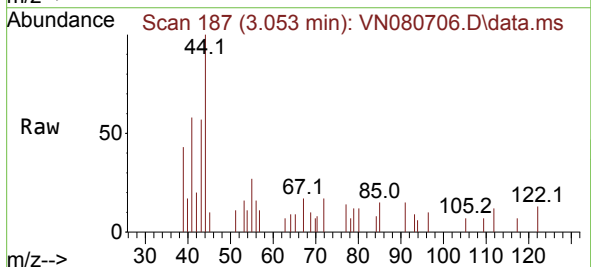
Instrument :
MSVOA_N
ClientSampleId :

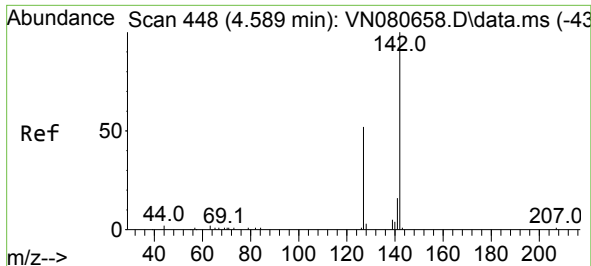
Tgt Ion: 94 Resp: 1097
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.053 min Scan# 187
Delta R.T. -0.065 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

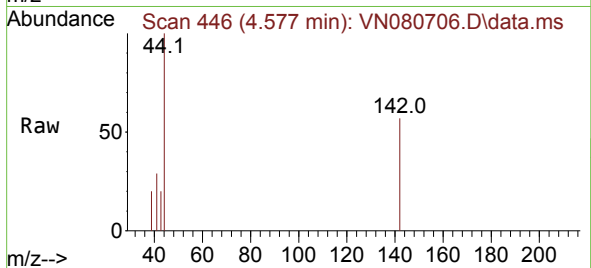
Tgt Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



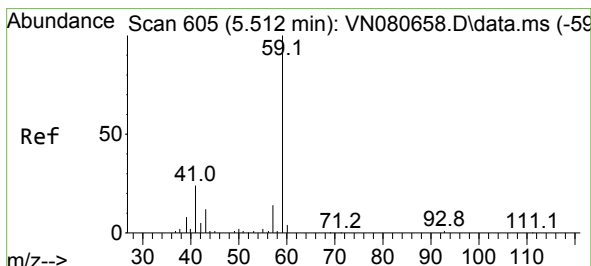
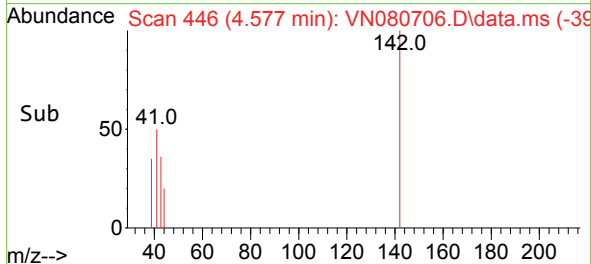
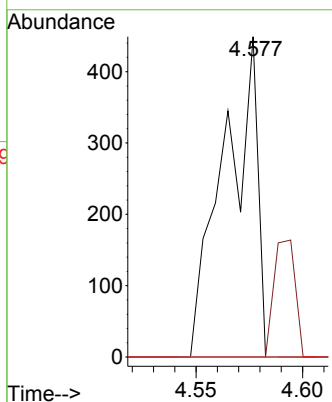


#10
Methyl Iodide
Concen: 0.281 ug/l
RT: 4.577 min Scan# 448
Delta R.T. -0.012 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

Instrument :
MSVOA_N
ClientSampleId :

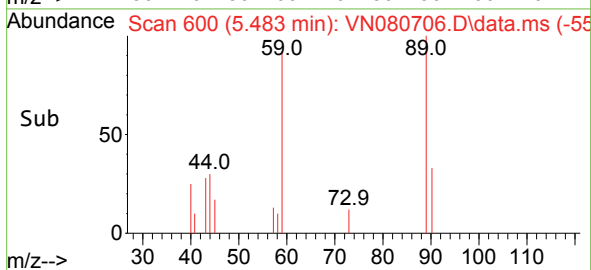
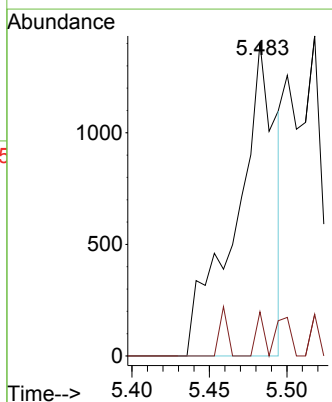
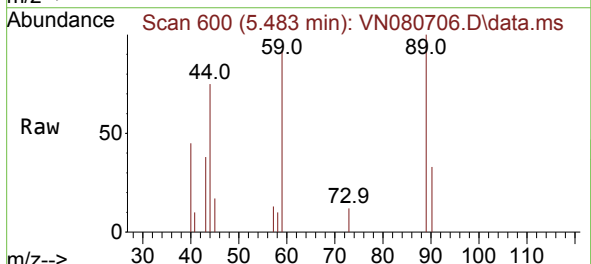


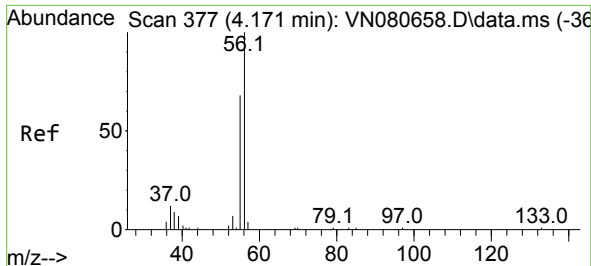
Tgt Ion:142 Resp: 487
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 5.412 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.029 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

Tgt Ion: 59 Resp: 2515
Ion Ratio Lower Upper
59 100
57 2.8 8.2 12.4#

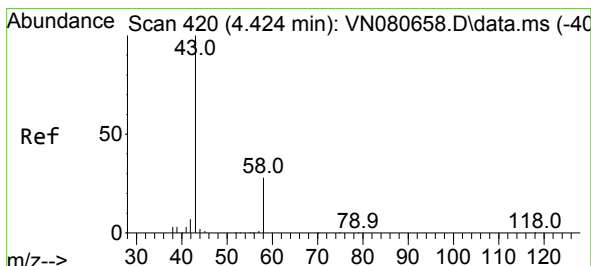
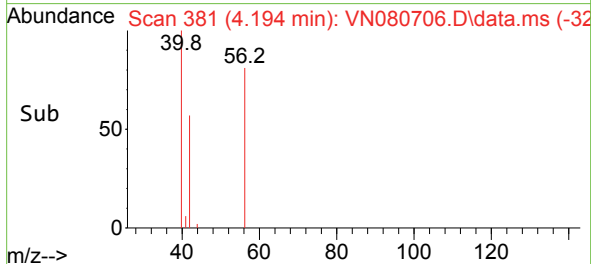
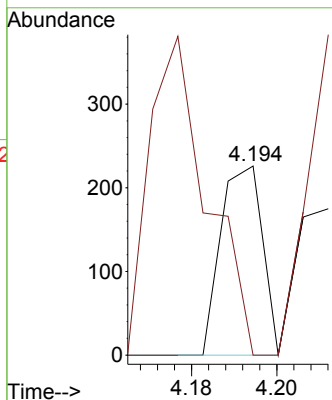
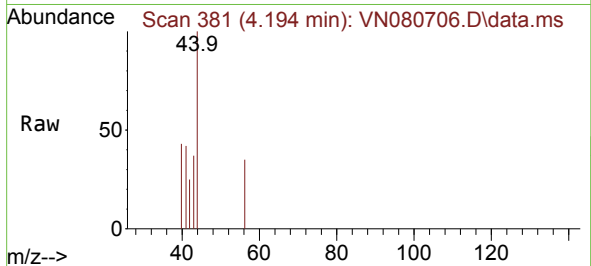




#13
Acrolein
Concen: 0.394 ug/l
RT: 4.194 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

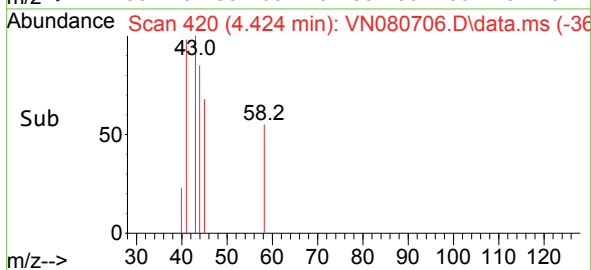
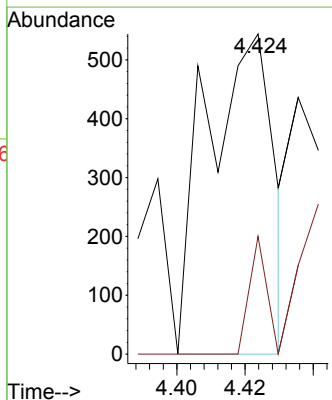
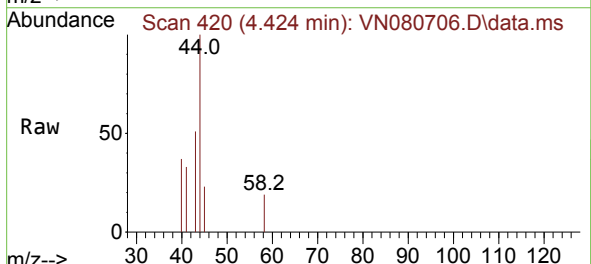
Instrument :
MSVOA_N
ClientSampleId :

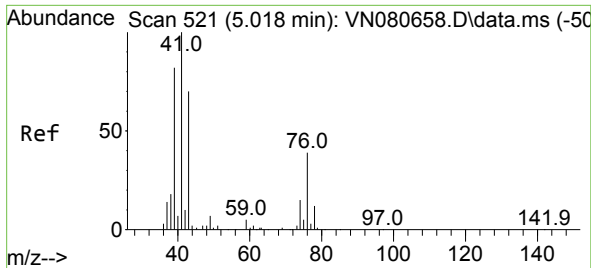
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 274.5 54.5 81.7#



#16
Acetone
Concen: 0.827 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
58 36.8 28.0 42.0

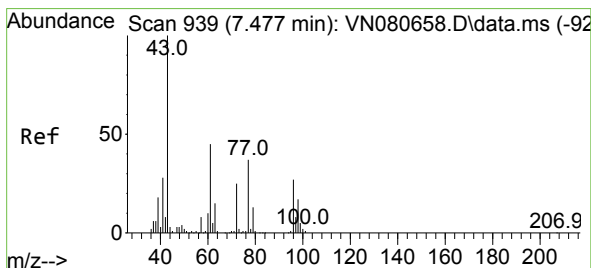
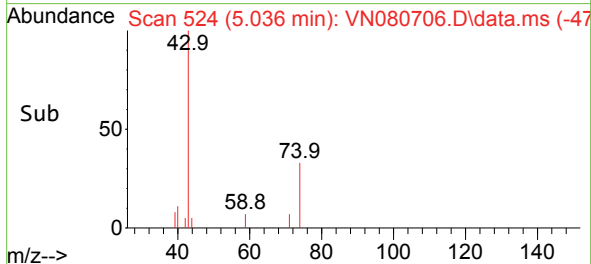
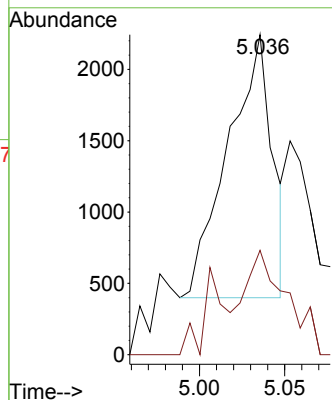
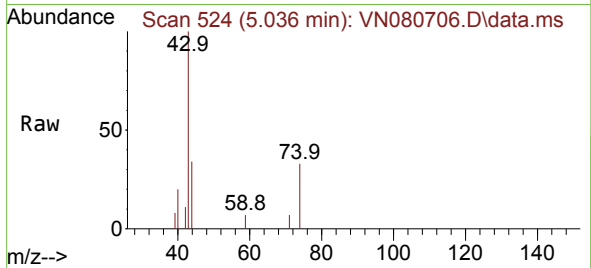




#18
Methyl Acetate
Concen: 1.241 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

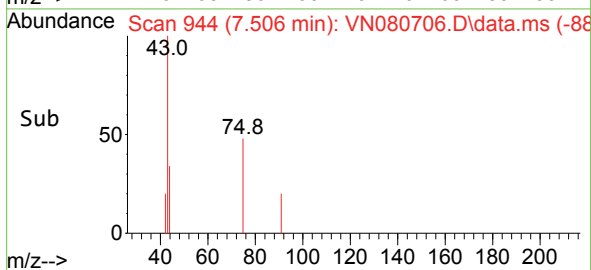
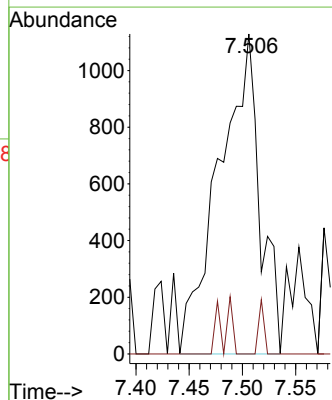
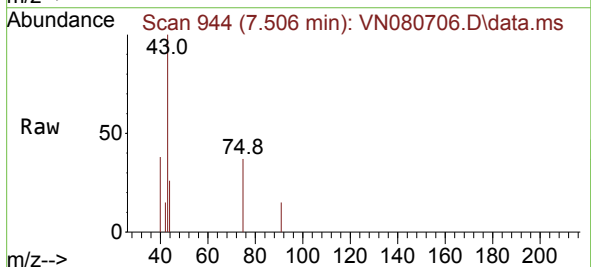
Instrument :
MSVOA_N
ClientSampleId :

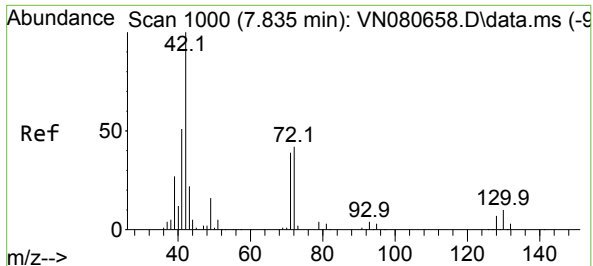
Tgt Ion: 43 Resp: 3334
Ion Ratio Lower Upper
43 100
74 37.8 26.2 39.4



#25
2-Butanone
Concen: 1.838 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.029 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

Tgt Ion: 43 Resp: 2997
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#29

Tetrahydrofuran

Concen: 1.013 ug/l

RT: 7.835 min Scan# 10

Delta R.T. -0.000 min

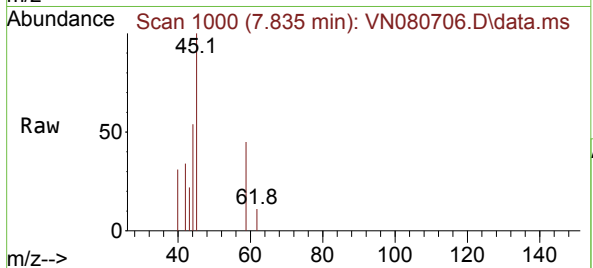
Lab File: VN080706.D

Acq: 12 Jan 2024 21:40

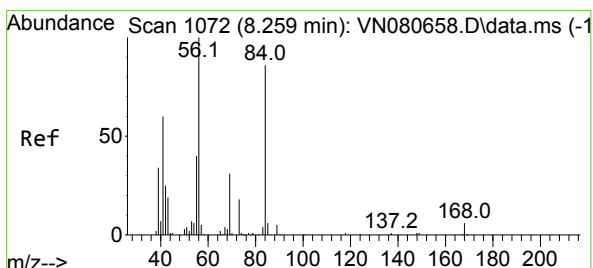
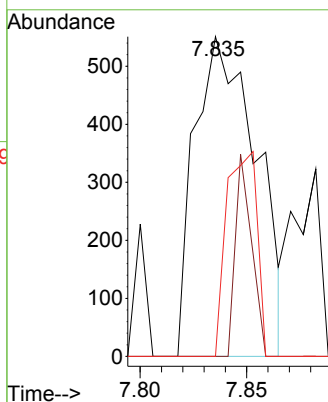
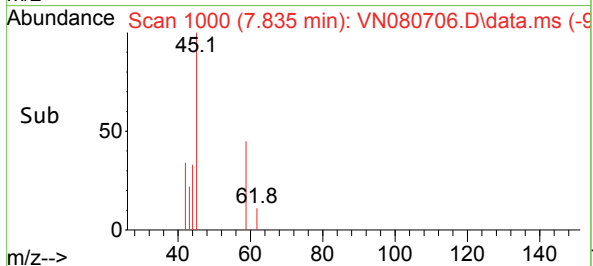
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	1113
Ion	Ratio	Lower	Upper
42	100		
72	16.6	49.8	74.6#
71	31.4	47.4	71.2#



#31

Cyclohexane

Concen: 1.242 ug/l

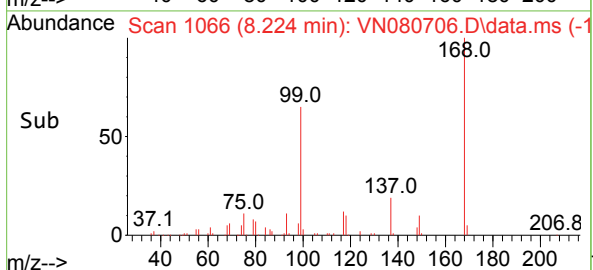
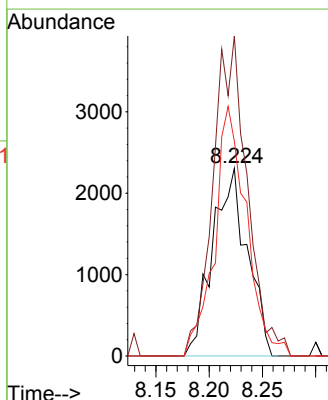
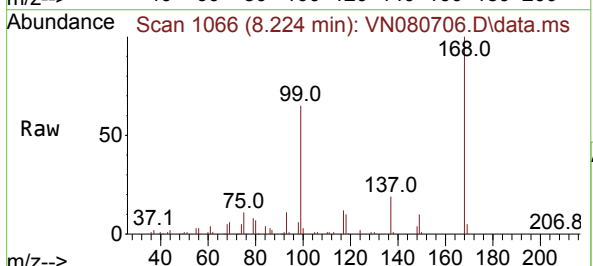
RT: 8.224 min Scan# 1066

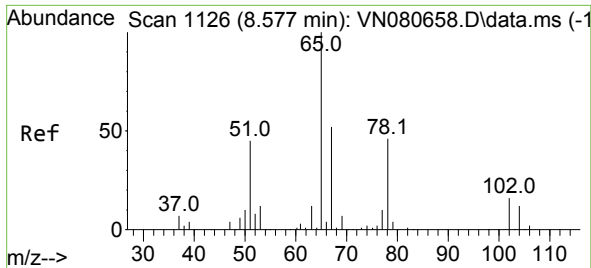
Delta R.T. -0.035 min

Lab File: VN080706.D

Acq: 12 Jan 2024 21:40

Tgt Ion:	56	Resp:	5272
Ion	Ratio	Lower	Upper
56	100		
69	170.5	26.8	40.2#
84	114.4	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 40.872 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN080706.D

Acq: 12 Jan 2024 21:40

Instrument :

MSVOA_N

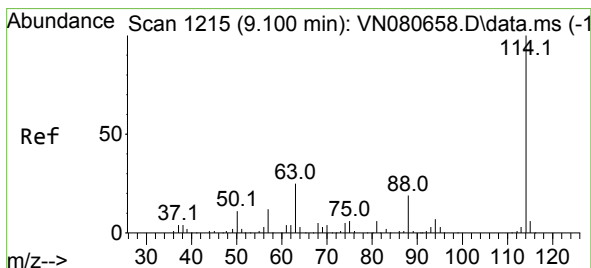
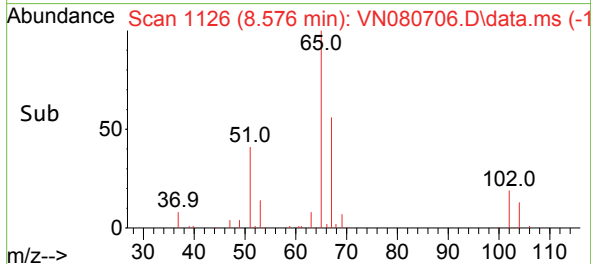
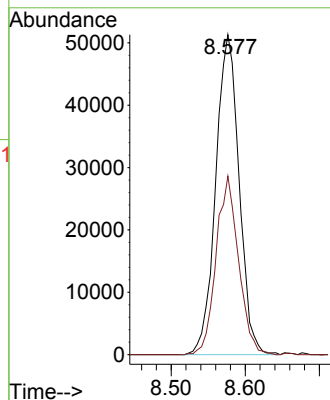
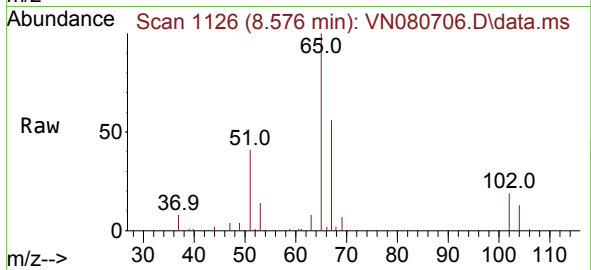
ClientSampleId :

Tgt Ion: 65 Resp: 112303

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN080706.D

Acq: 12 Jan 2024 21:40

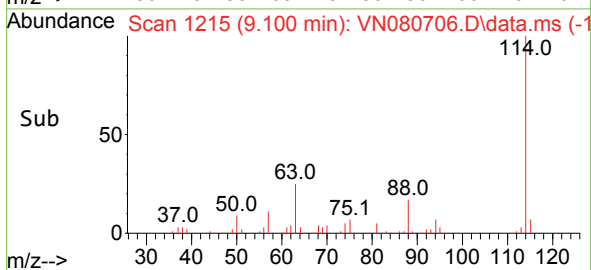
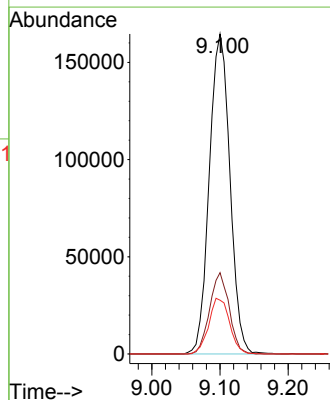
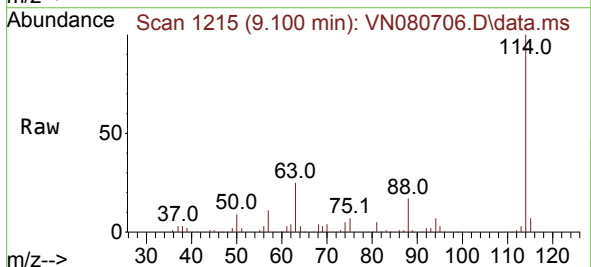
Tgt Ion: 114 Resp: 346483

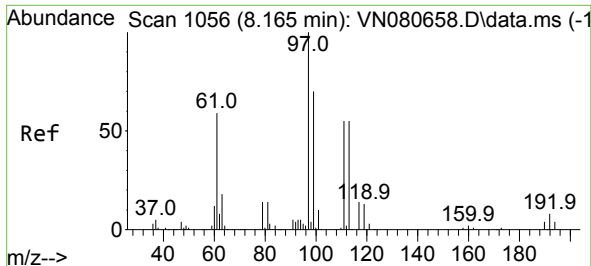
Ion Ratio Lower Upper

114 100

63 25.4 0.0 36.4

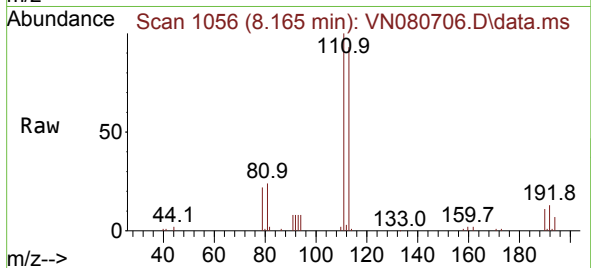
88 16.8 0.0 30.6



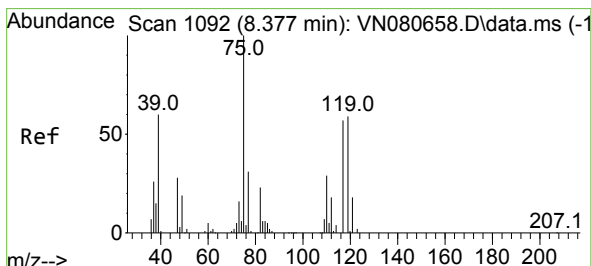
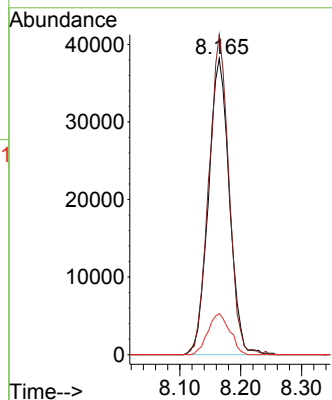
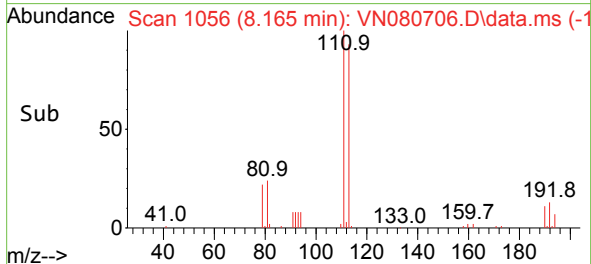


#35
Dibromofluoromethane
Concen: 46.238 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

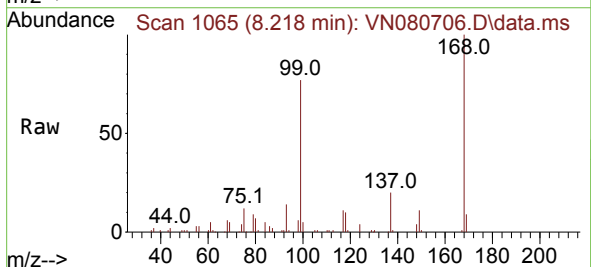
Instrument :
MSVOA_N
ClientSampleId :



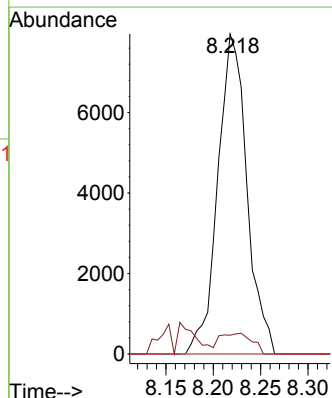
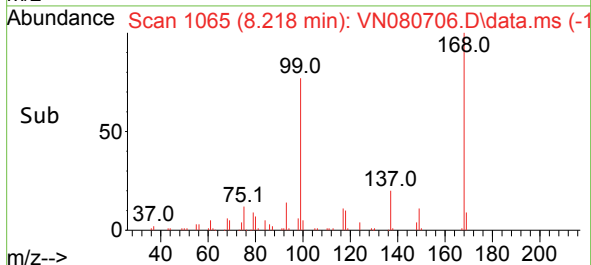
Tgt Ion:113 Resp: 91026
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 14.5 12.7 19.1

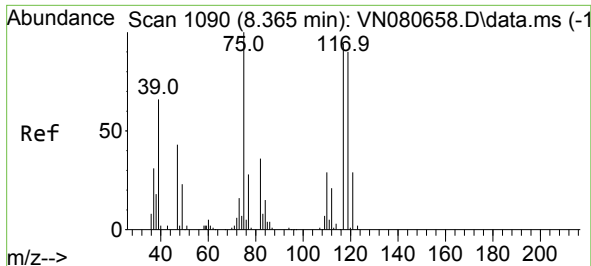


#36
1,1-Dichloropropene
Concen: 4.213 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40



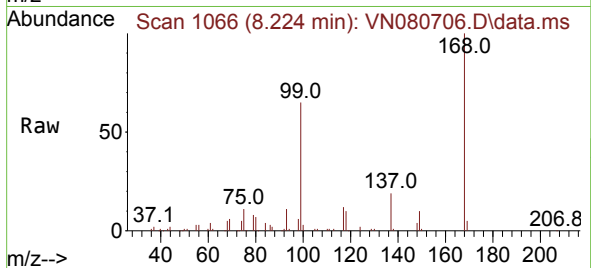
Tgt Ion: 75 Resp: 16991
Ion Ratio Lower Upper
75 100
110 7.1 19.1 57.3#
77 0.0 25.0 37.4#



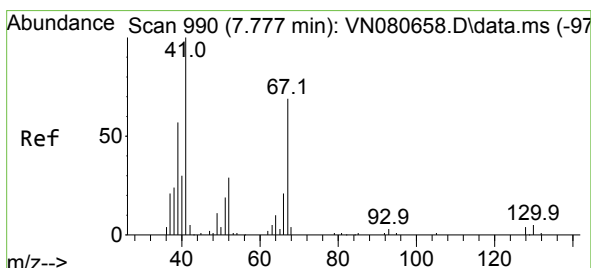
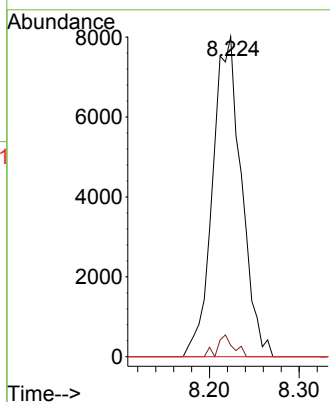
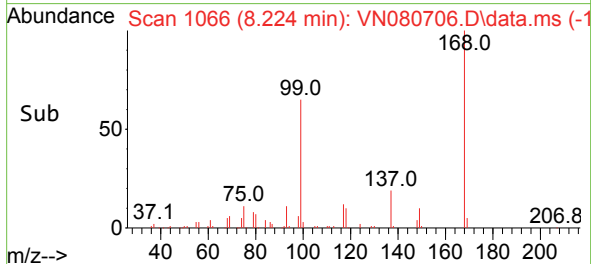


#38
Carbon Tetrachloride
Concen: 4.941 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

Instrument :
MSVOA_N
ClientSampleId :

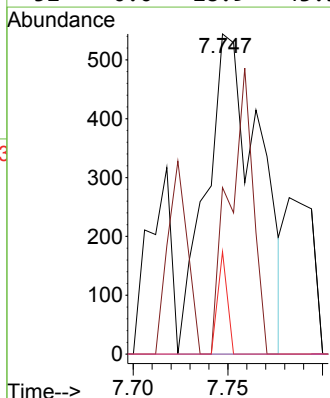
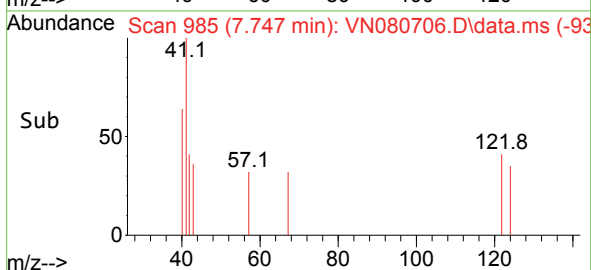
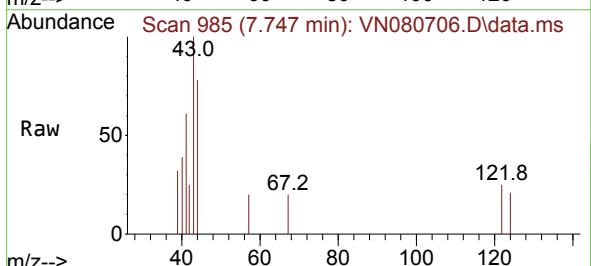


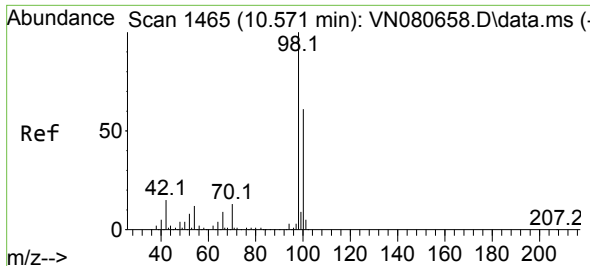
Tgt Ion:117 Resp: 17891
Ion Ratio Lower Upper
117 100
119 3.5 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.470 ug/l
RT: 7.747 min Scan# 985
Delta R.T. -0.029 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

Tgt Ion: 41 Resp: 1065
Ion Ratio Lower Upper
41 100
39 40.3 42.6 64.0#
67 5.7 77.5 116.3#
52 0.0 28.9 43.3#

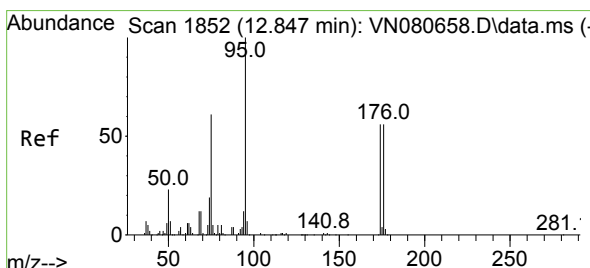
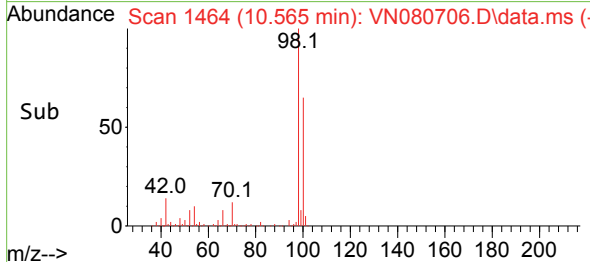
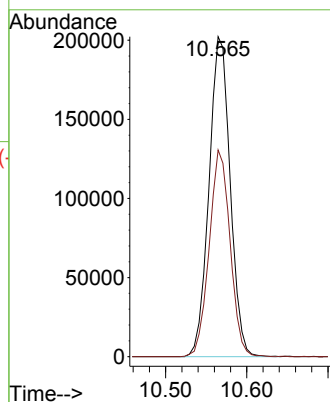
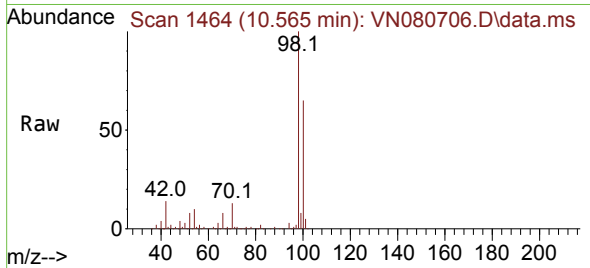




#50
Toluene-d8
Concen: 48.707 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

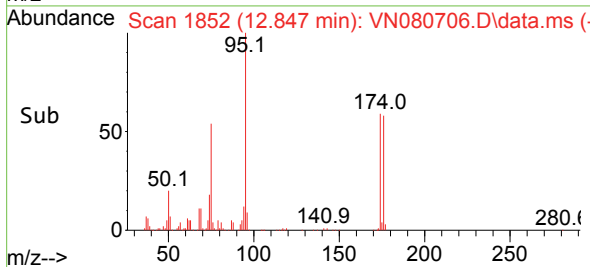
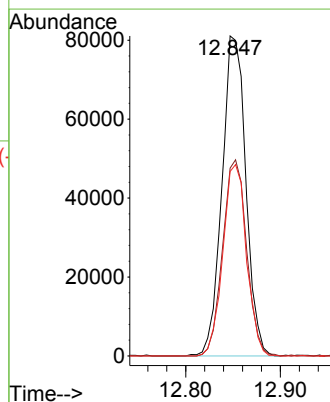
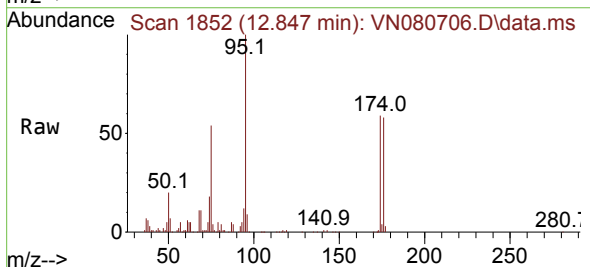
Instrument :
MSVOA_N
ClientSampleId :

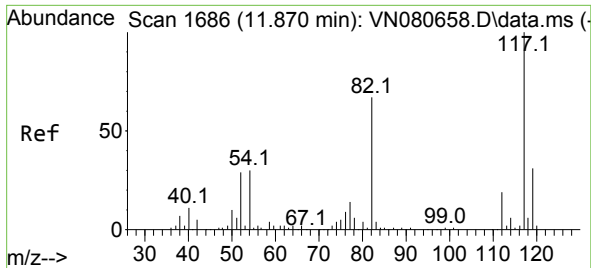
Tgt Ion: 98 Resp: 365623
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.301 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

Tgt Ion: 95 Resp: 141918
Ion Ratio Lower Upper
95 100
174 61.7 0.0 143.8
176 59.2 0.0 135.8

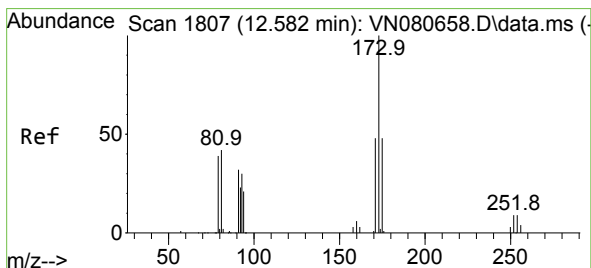
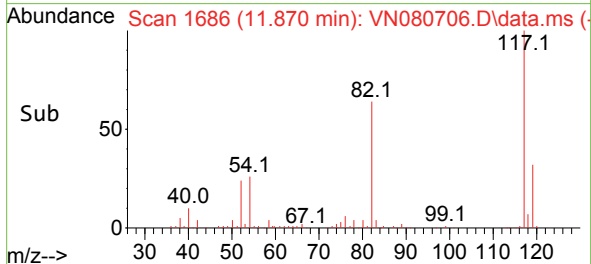
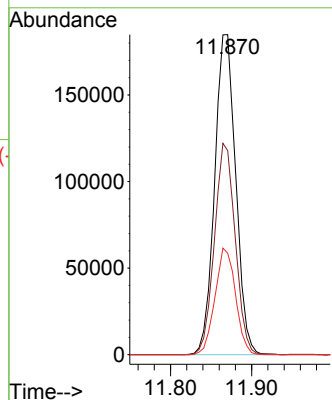
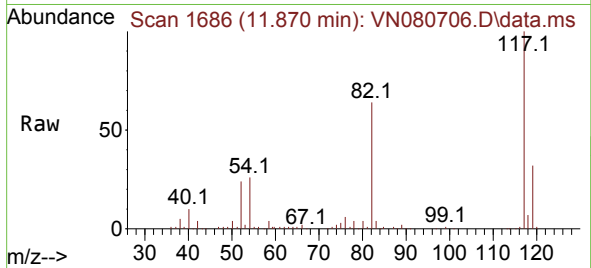




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

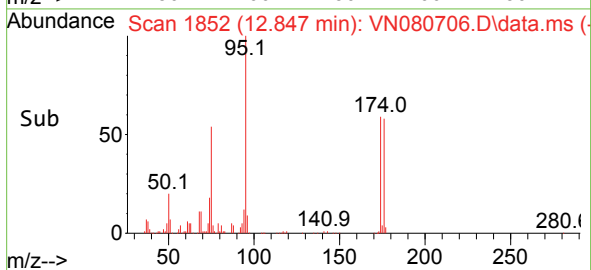
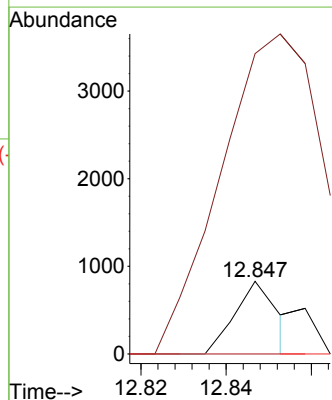
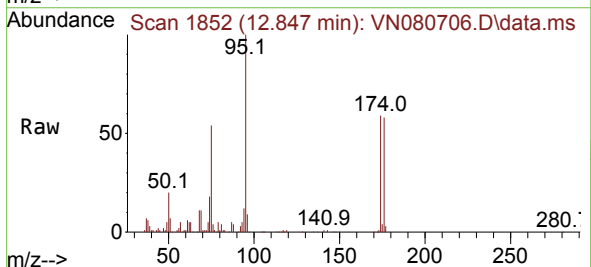
Instrument :
MSVOA_N
ClientSampleId :

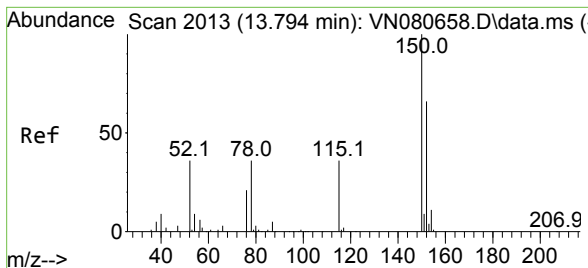
Tgt Ion:117 Resp: 333971
Ion Ratio Lower Upper
117 100
82 63.8 44.0 66.0
119 31.7 25.6 38.4



#71
Bromoform
Concen: 0.325 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080706.D
Acq: 12 Jan 2024 21:40

Tgt Ion:173 Resp: 579
Ion Ratio Lower Upper
173 100
175 908.3 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN080706.D

Acq: 12 Jan 2024 21:40

Instrument :

MSVOA_N

ClientSampleId :

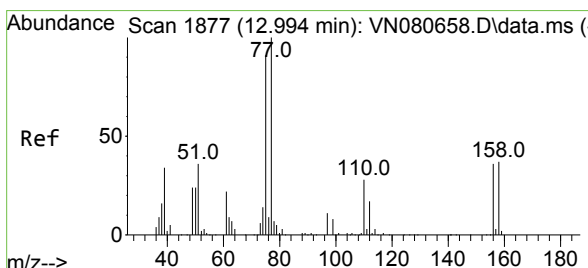
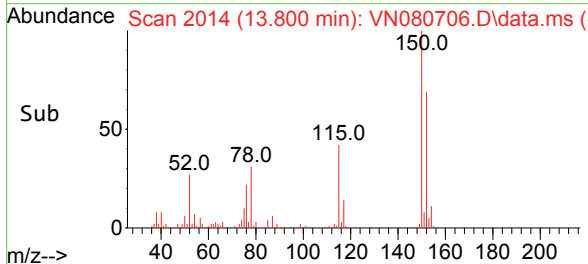
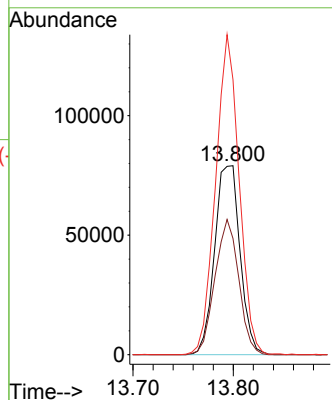
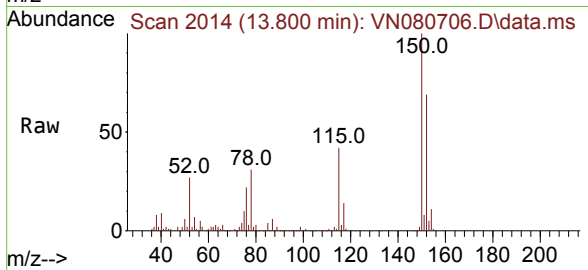
Tgt Ion:152 Resp: 139019

Ion Ratio Lower Upper

152 100

115 67.0 32.3 96.8

150 156.6 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 18.501 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080706.D

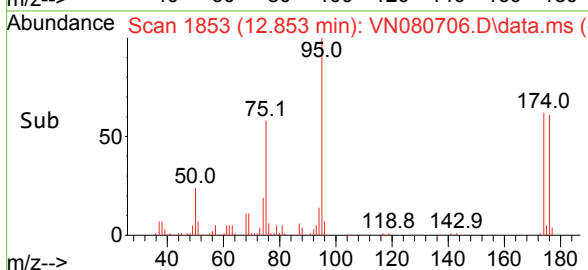
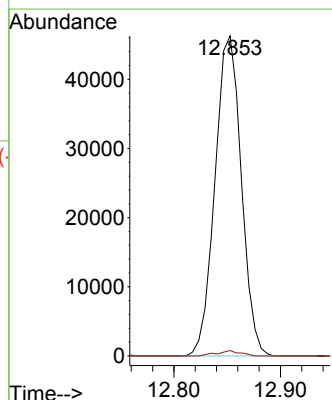
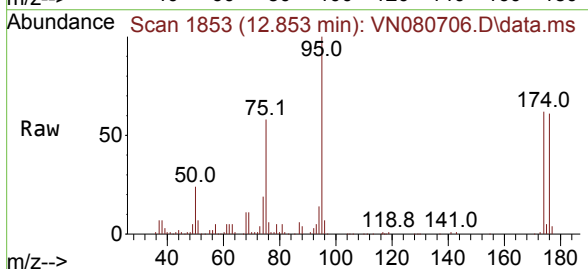
Acq: 12 Jan 2024 21:40

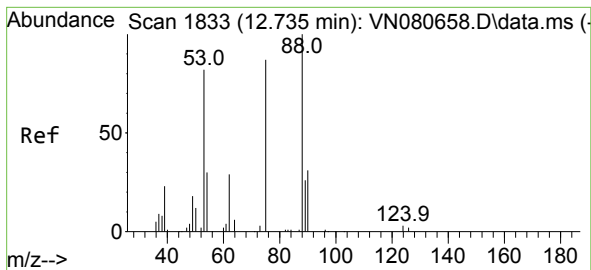
Tgt Ion: 75 Resp: 79309

Ion Ratio Lower Upper

75 100

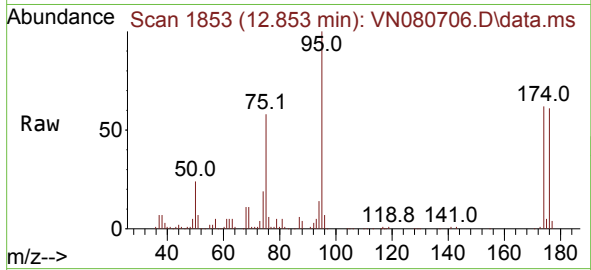
77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.614 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080706.D
 Acq: 12 Jan 2024 21:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 79309
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

