

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081708.D
 Acq On : 12 Apr 2024 11:07
 Operator : JC\MD
 Sample : VN0412WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:52:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

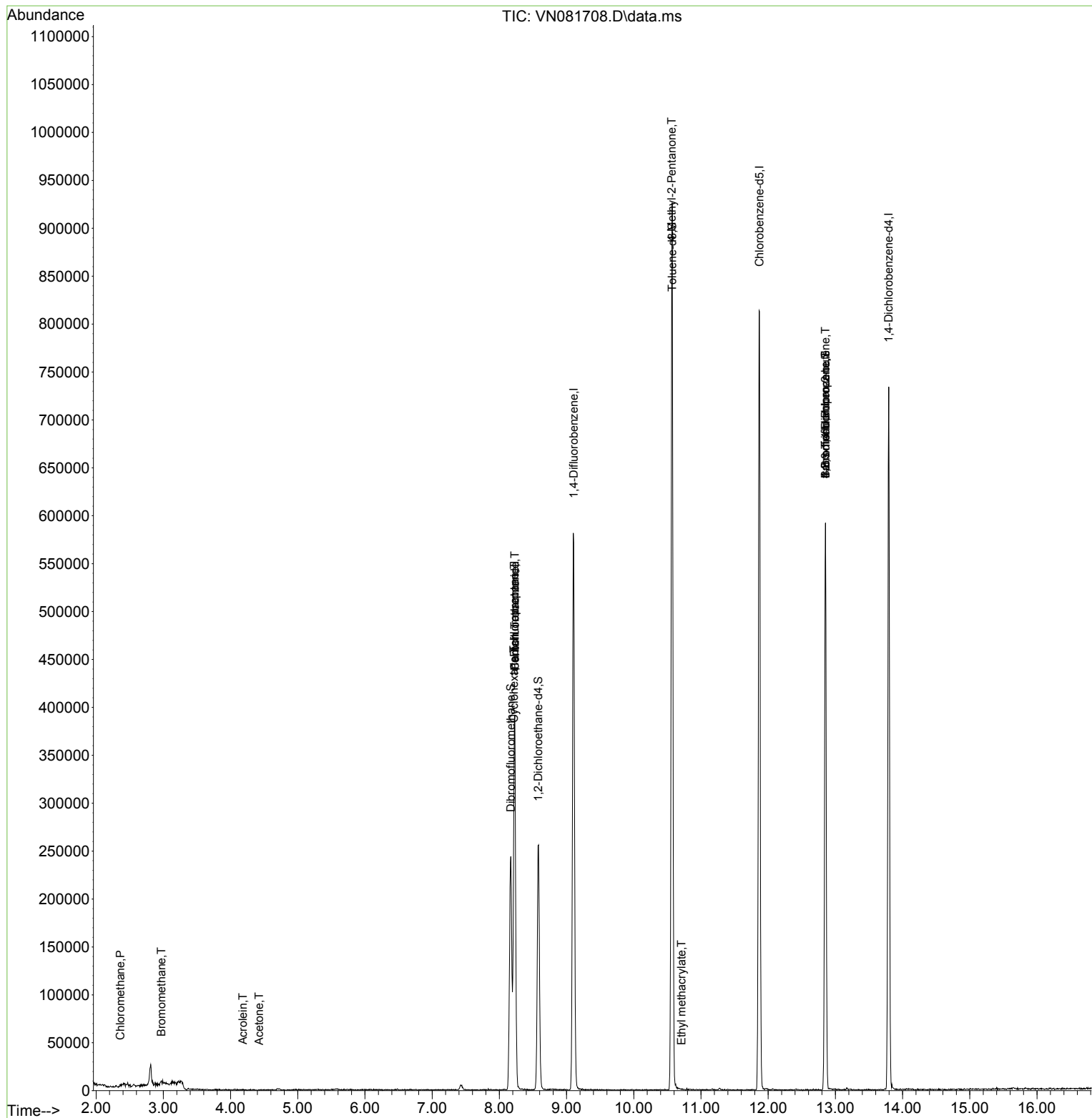
Internal Standards						
1) Pentafluorobenzene	8.230	168	274650	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	503802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	478202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	210980	60.237	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 120.480%		
35) Dibromofluoromethane	8.171	113	175151	55.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 110.180%		
50) Toluene-d8	10.571	98	628152	54.653	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 109.300%		
62) 4-Bromofluorobenzene	12.853	95	199983	49.380	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	= 98.760%		
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	753	0.205	ug/l #	43
5) Bromomethane	2.971	94	1549	0.530	ug/l #	73
13) Acrolein	4.183	56	295	0.539	ug/l #	15
16) Acetone	4.424	43	289	0.255	ug/l #	44
31) Cyclohexane	8.218	56	7597	1.333	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	25328	4.734	ug/l #	52
38) Carbon Tetrachloride	8.230	117	29309	5.000	ug/l #	19
51) 4-Methyl-2-Pentanone	10.565	43	2610	0.563	ug/l #	1
56) Ethyl methacrylate	10.712	69	68	0.583	ug/l #	48
71) Bromoform	12.853	173	2118	0.673	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	106439	23.144	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106439	62.543	ug/l #	14

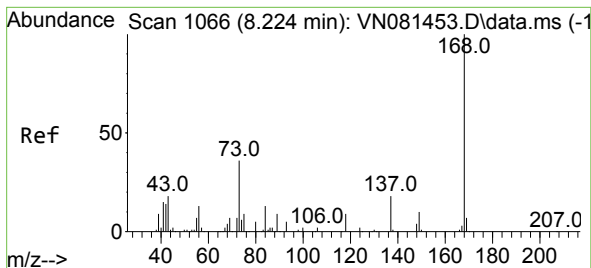
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 13 06:52:00 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN081708.D

Acq: 12 Apr 2024 11:07

Instrument :

MSVOA_N

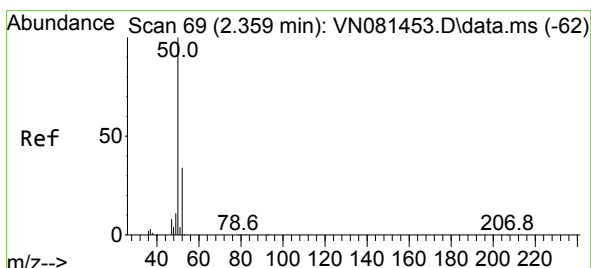
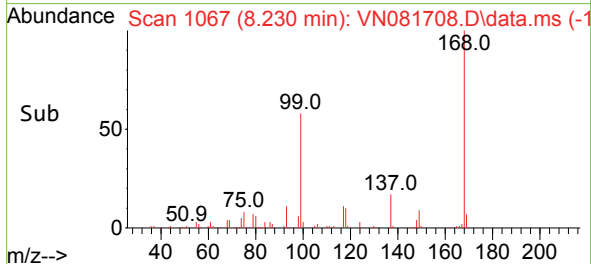
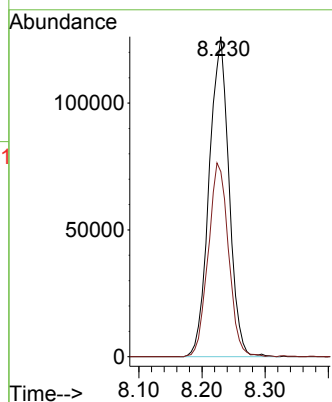
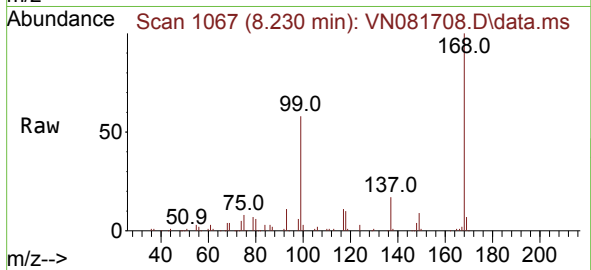
ClientSampleId :

Tgt Ion:168 Resp: 274650

Ion Ratio Lower Upper

168 100

99 57.8 59.9 89.9#



#3

Chloromethane

Concen: 0.205 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081708.D

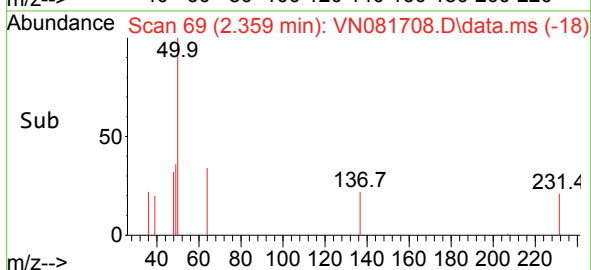
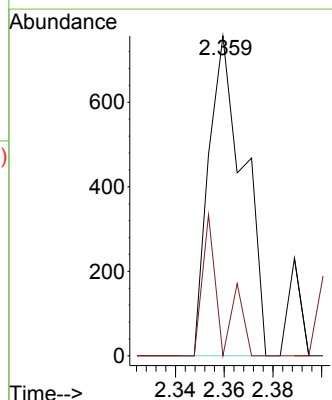
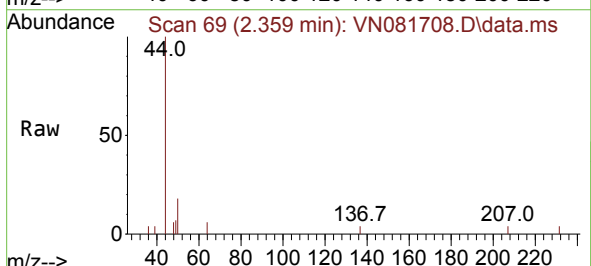
Acq: 12 Apr 2024 11:07

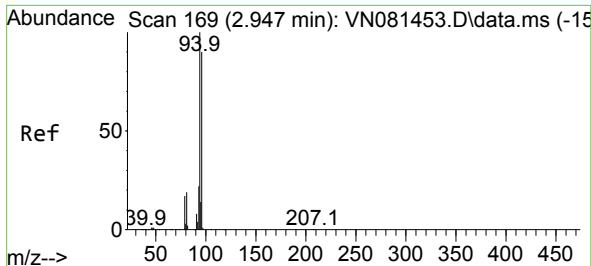
Tgt Ion: 50 Resp: 753

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

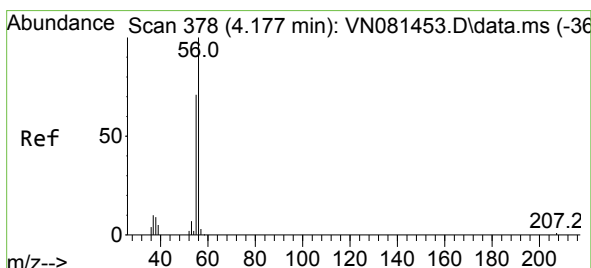
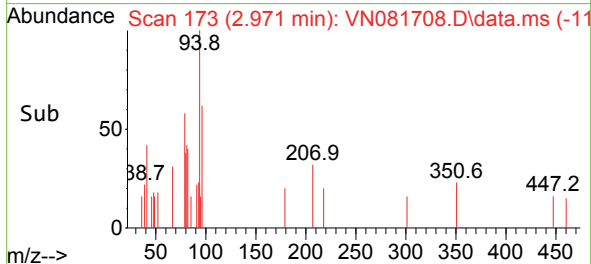
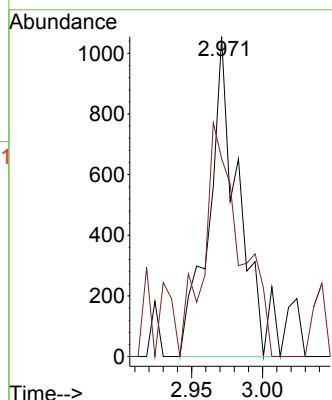
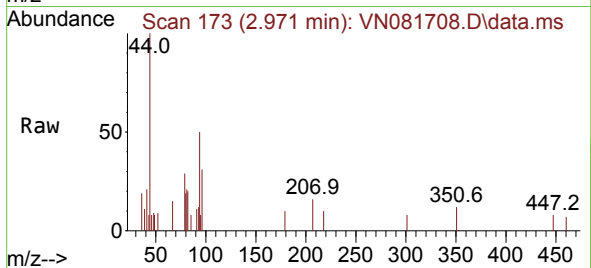




#5
Bromomethane
Concen: 0.530 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

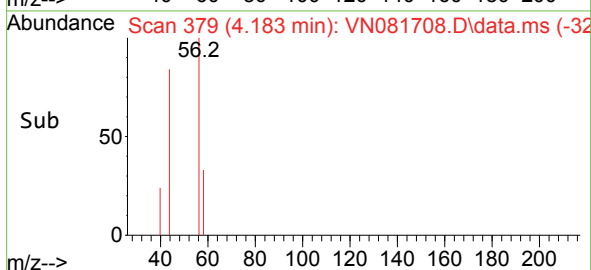
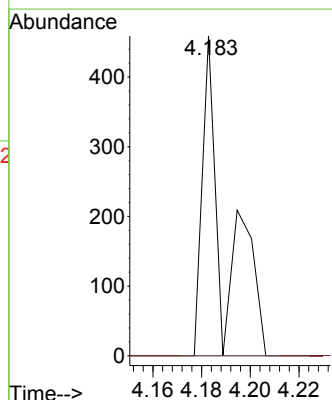
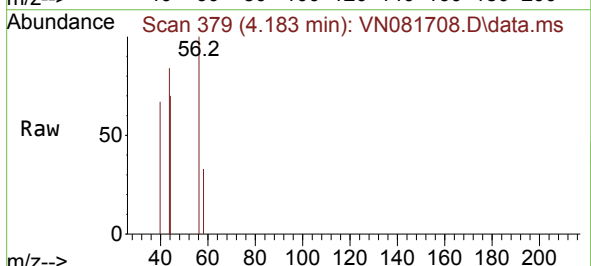
Instrument :
MSVOA_N
ClientSampleId :

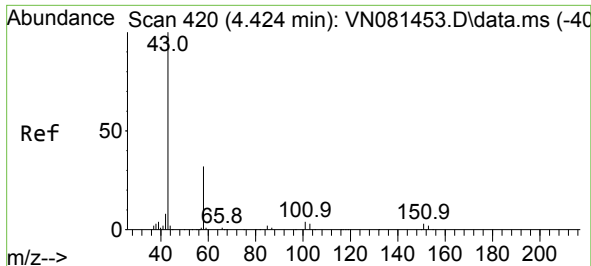
Tgt Ion: 94 Resp: 1549
Ion Ratio Lower Upper
94 100
96 61.9 69.2 103.8#



#13
Acrolein
Concen: 0.539 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

Tgt Ion: 56 Resp: 295
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

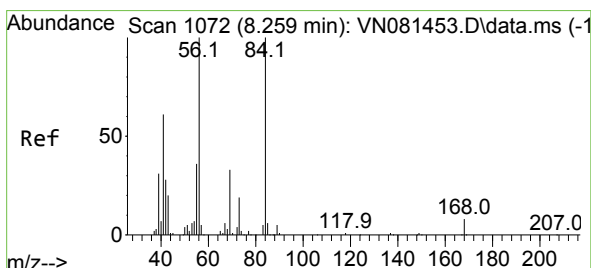
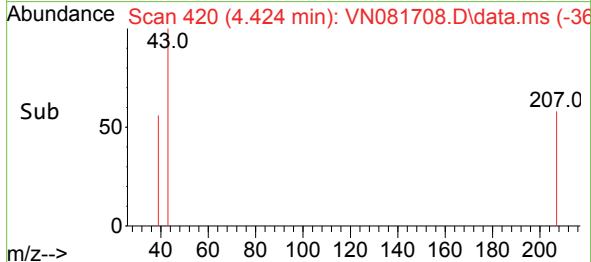
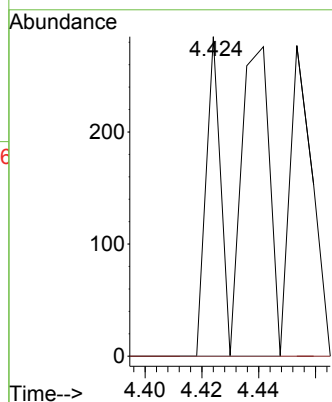
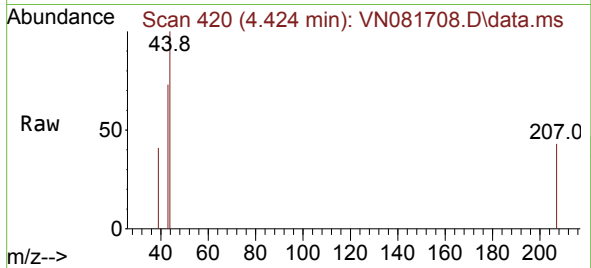




#16
Acetone
Concen: 0.255 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

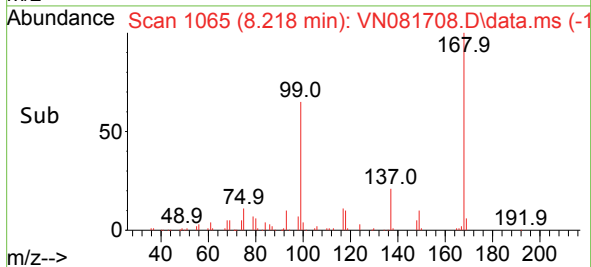
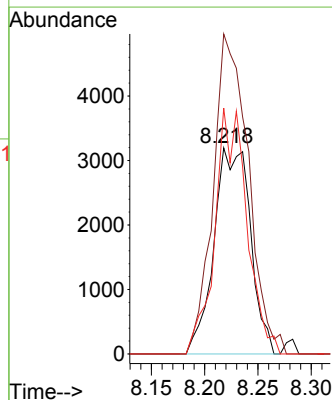
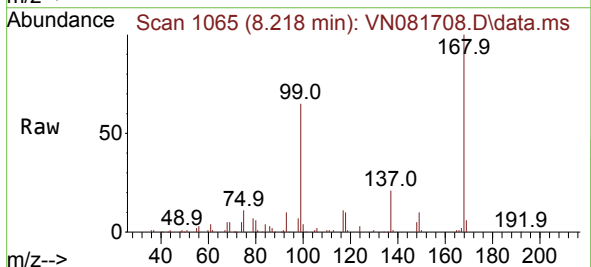
Instrument :
MSVOA_N
ClientSampleId :

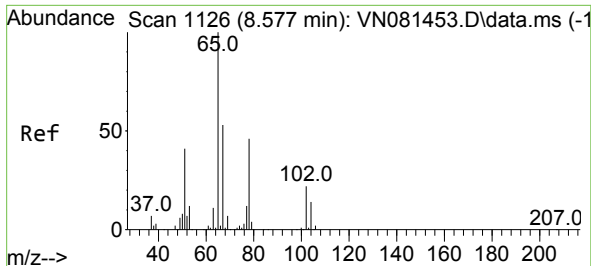
Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

Tgt Ion: 56 Resp: 7597
Ion Ratio Lower Upper
56 100
69 155.3 20.1 30.1#
84 119.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 60.237 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081708.D

Acq: 12 Apr 2024 11:07

Instrument :

MSVOA_N

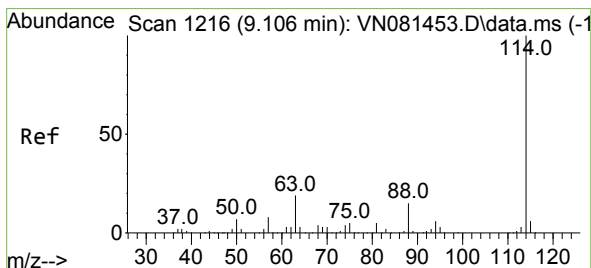
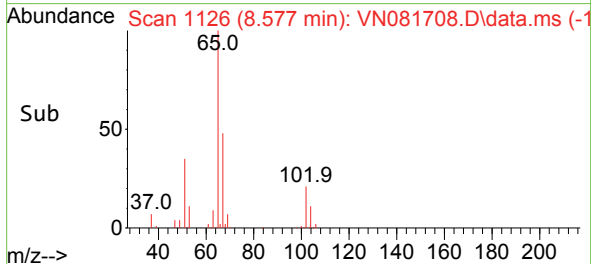
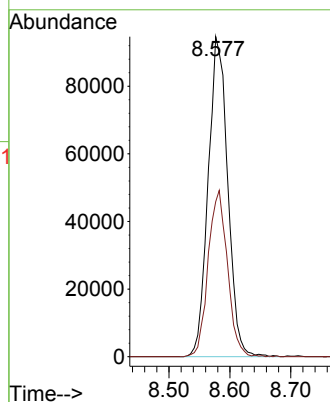
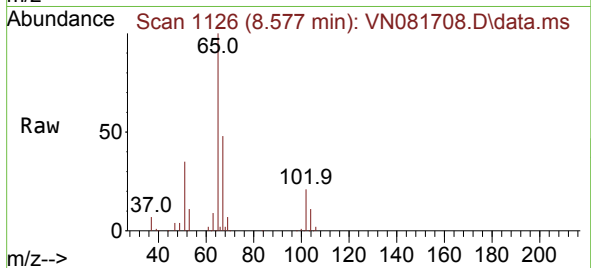
ClientSampleId :

Tgt Ion: 65 Resp: 210980

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081708.D

Acq: 12 Apr 2024 11:07

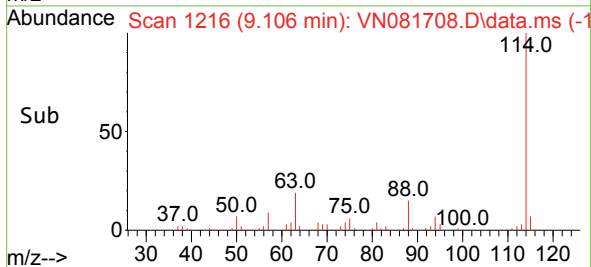
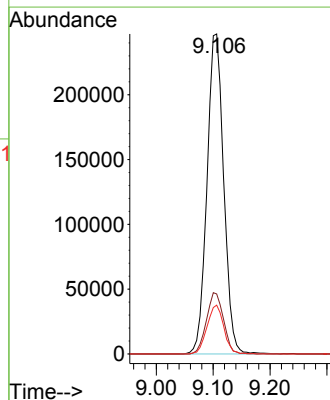
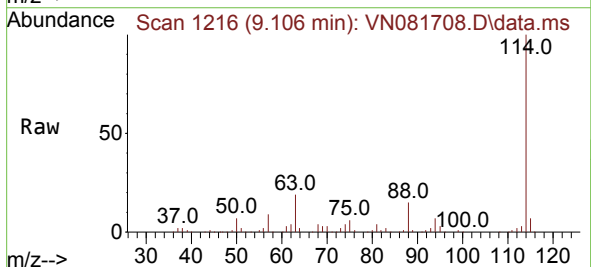
Tgt Ion: 114 Resp: 503802

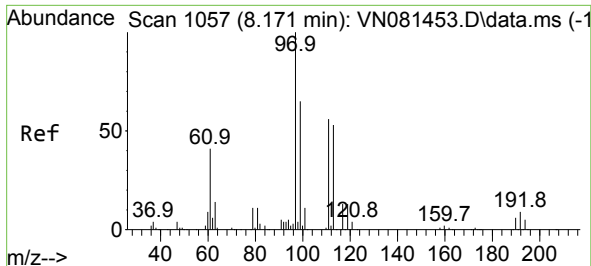
Ion Ratio Lower Upper

114 100

63 18.8 0.0 48.0

88 15.2 0.0 34.8

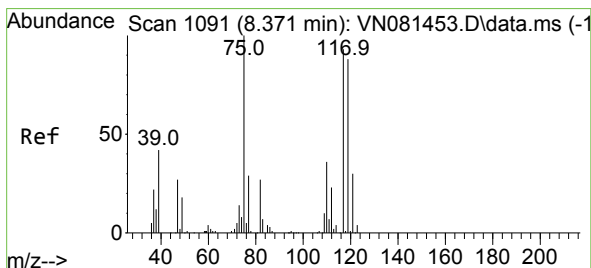
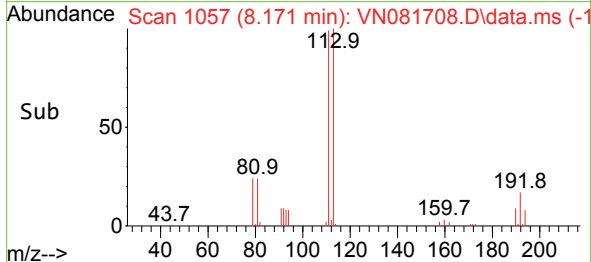
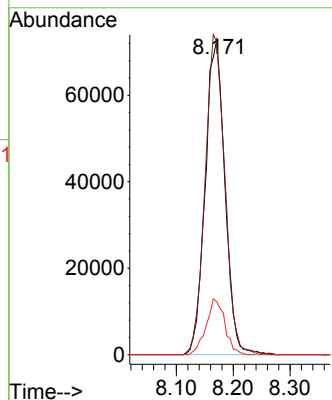
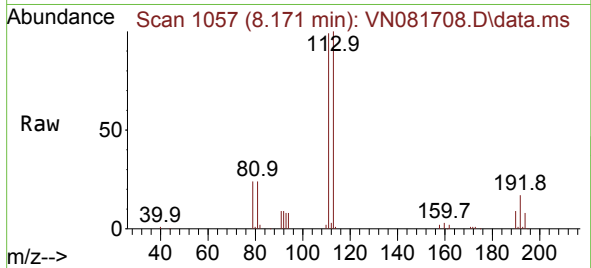




#35
Dibromofluoromethane
Concen: 55.088 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

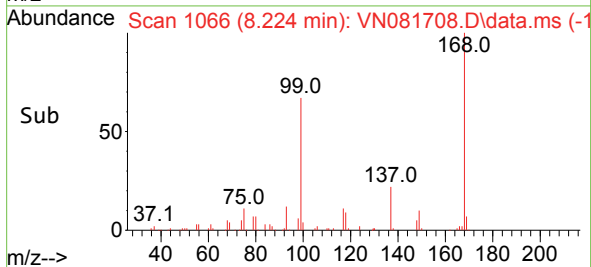
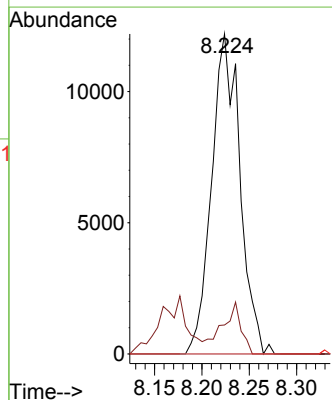
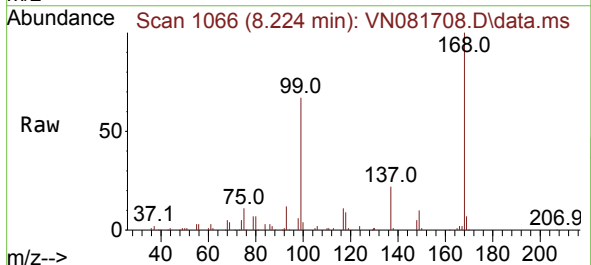
Instrument :
MSVOA_N
ClientSampleId :

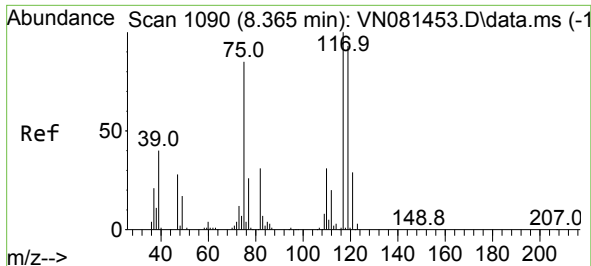
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	16.9	12.5	18.7



#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

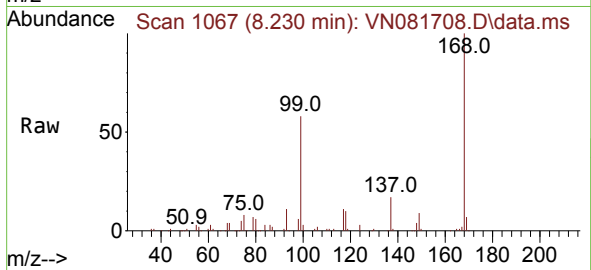
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	16.0	48.0#
77	0.0	25.8	38.6#



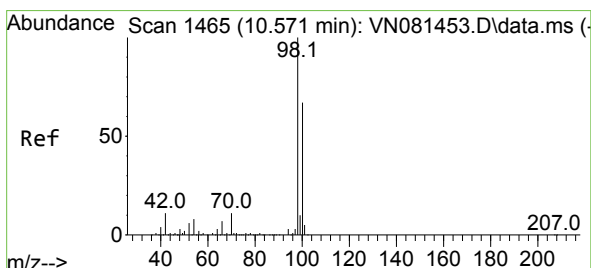
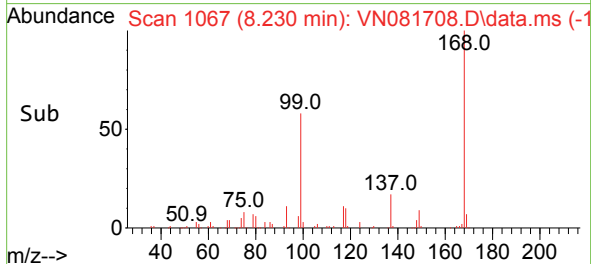
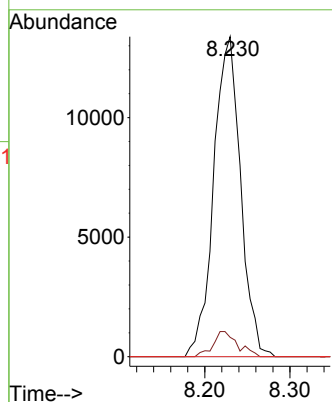


#38
Carbon Tetrachloride
Concen: 5.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

Instrument :
MSVOA_N
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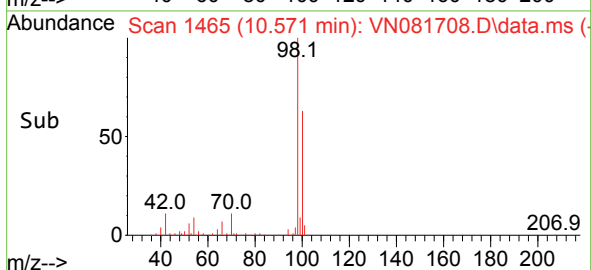
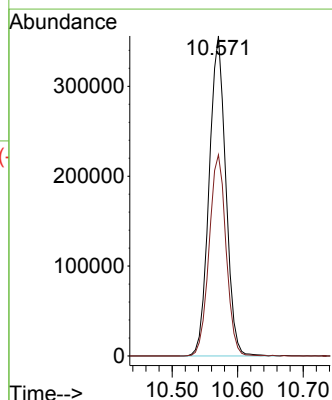
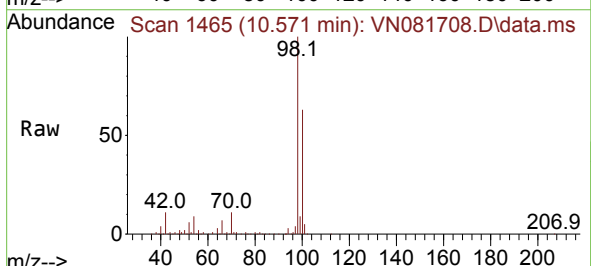


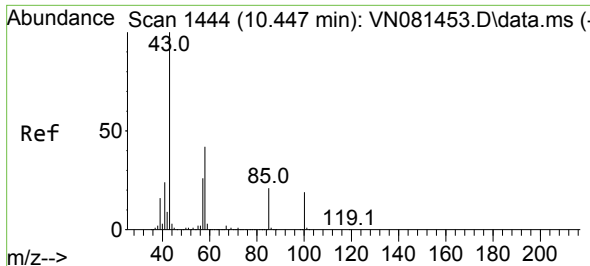
Tgt Ion:117 Resp: 29309
Ion Ratio Lower Upper
117 100
119 6.1 73.4 110.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 54.653 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

Tgt Ion: 98 Resp: 628152
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.563 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN081708.D

Acq: 12 Apr 2024 11:07

Instrument :

MSVOA_N

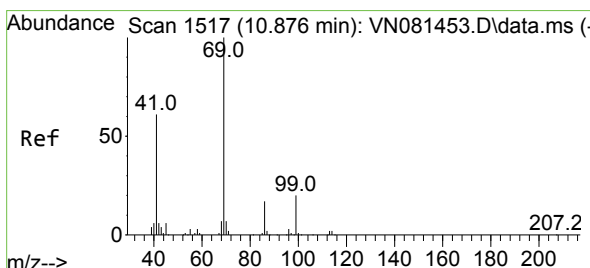
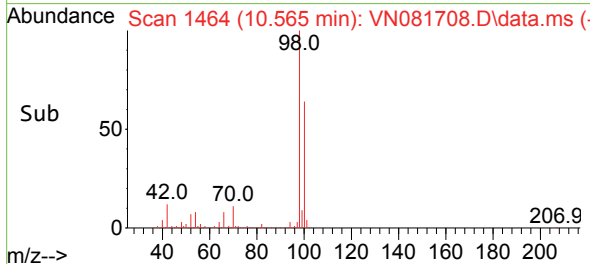
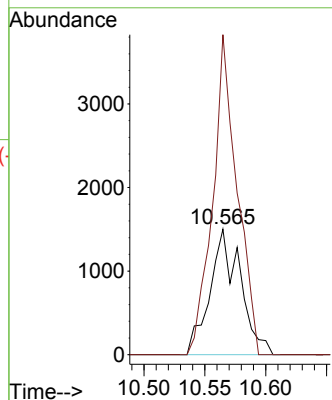
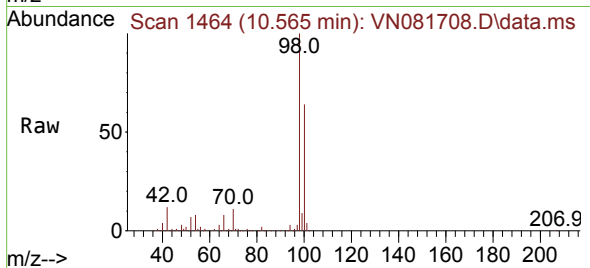
ClientSampleId :

Tgt Ion: 43 Resp: 2610

Ion Ratio Lower Upper

43 100

58 204.8 29.4 44.0#



#56

Ethyl methacrylate

Concen: 0.583 ug/l

RT: 10.712 min Scan# 1489

Delta R.T. -0.164 min

Lab File: VN081708.D

Acq: 12 Apr 2024 11:07

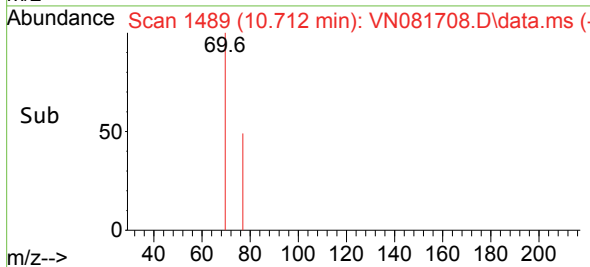
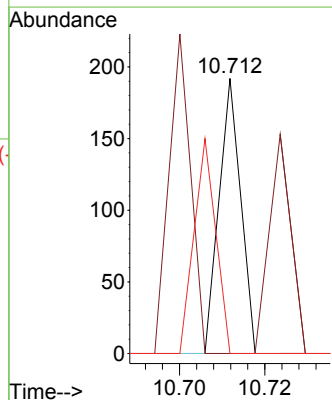
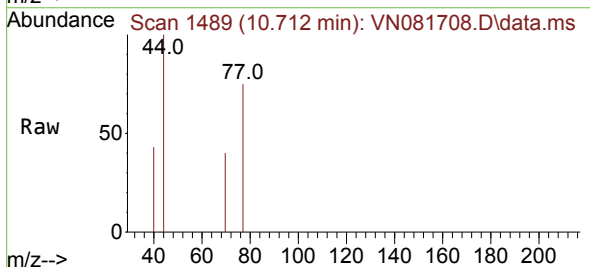
Tgt Ion: 69 Resp: 68

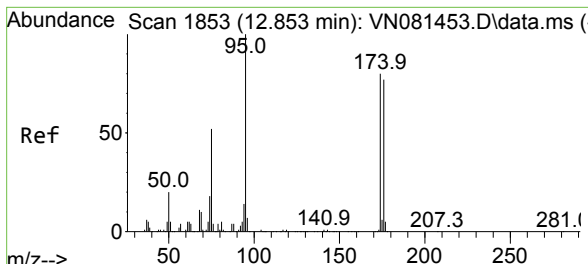
Ion Ratio Lower Upper

69 100

41 116.2 61.0 91.6#

39 77.9 31.8 47.6#

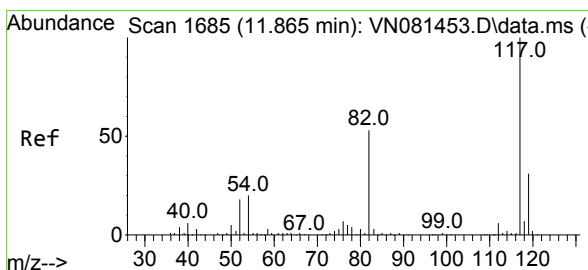
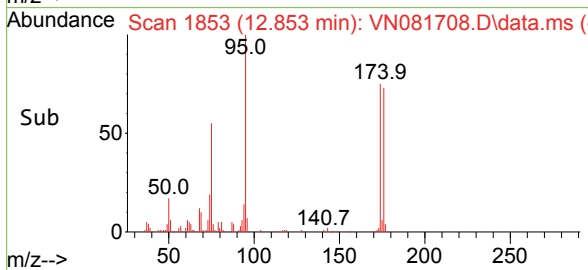
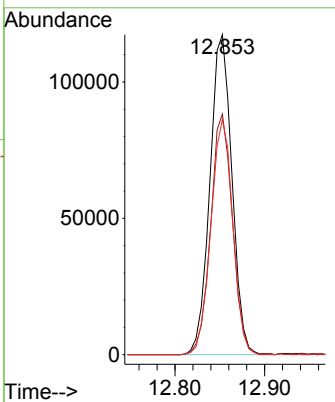
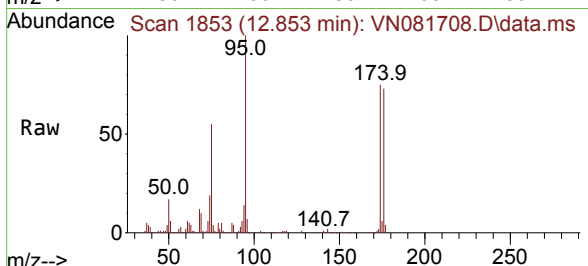




#62
 4-Bromofluorobenzene
 Concen: 49.380 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081708.D
 Acq: 12 Apr 2024 11:07

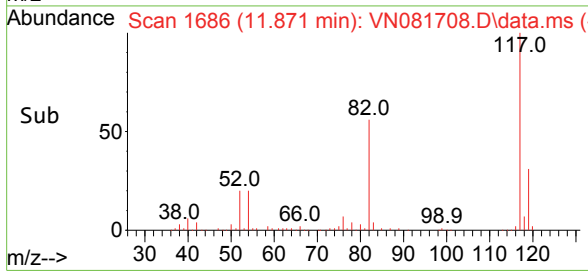
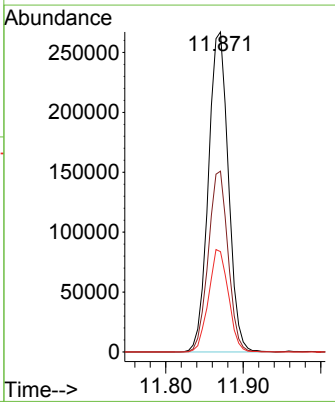
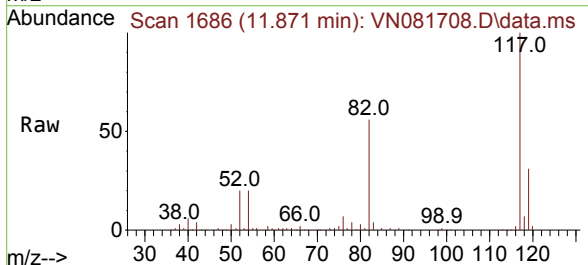
Instrument :
 MSVOA_N
 ClientSampleId :

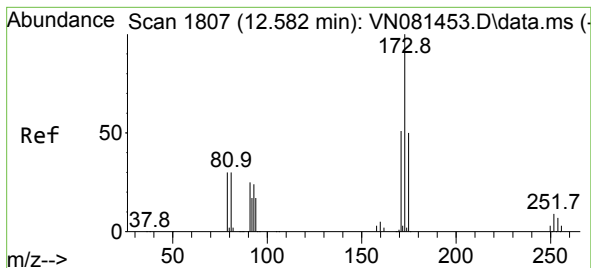
Tgt Ion:	95	Resp:	199983
Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	120.4
176	72.8	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081708.D
 Acq: 12 Apr 2024 11:07

Tgt Ion:	117	Resp:	478202
Ion	Ratio	Lower	Upper
117	100		
82	56.5	52.7	79.1
119	31.4	25.3	37.9





#71

Bromoform

Concen: 0.673 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

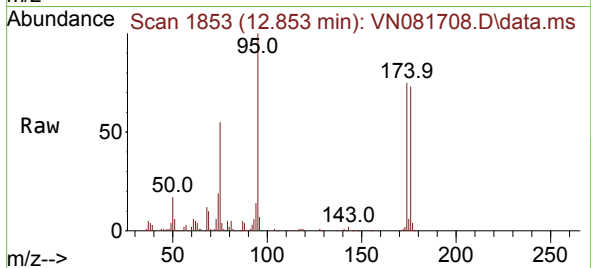
Lab File: VN081708.D

Acq: 12 Apr 2024 11:07

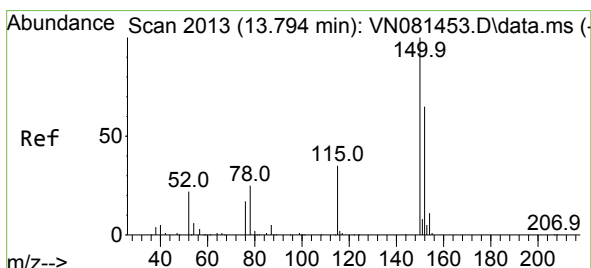
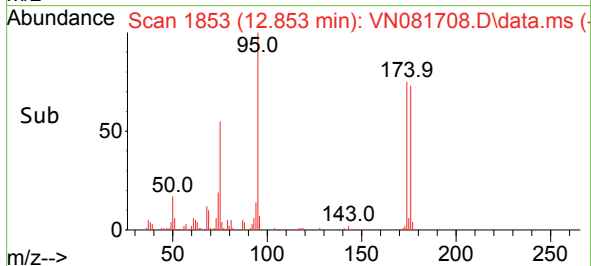
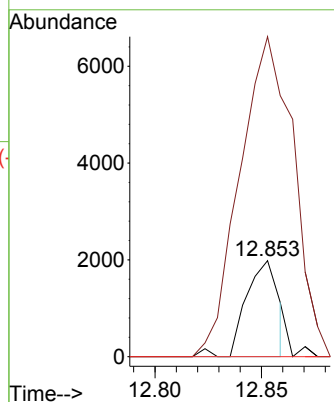
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	2118
Ion Ratio	Lower	Upper	
173	100		
175	426.4	23.1	69.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

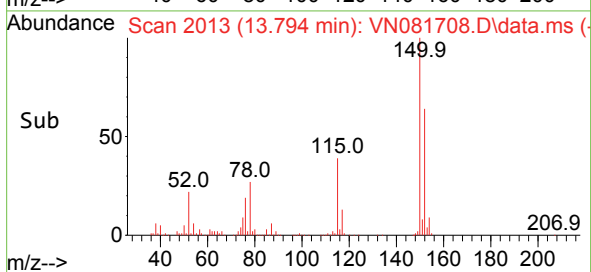
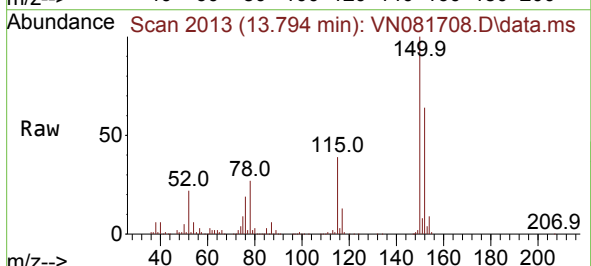
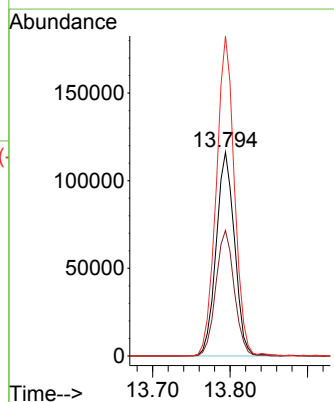
RT: 13.794 min Scan# 2013

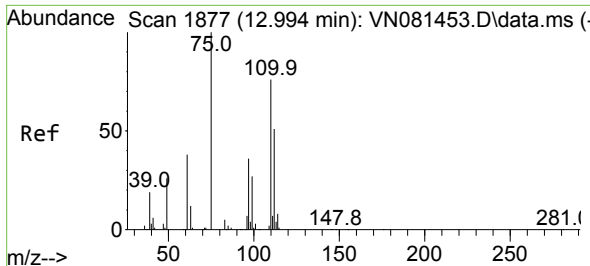
Delta R.T. 0.000 min

Lab File: VN081708.D

Acq: 12 Apr 2024 11:07

Tgt Ion:	152	Resp:	192261
Ion Ratio	Lower	Upper	
152	100		
115	61.8	32.3	96.8
150	155.2	0.0	339.8

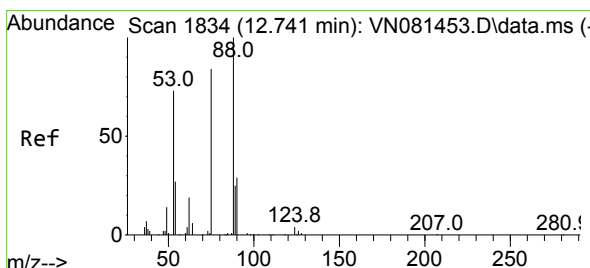
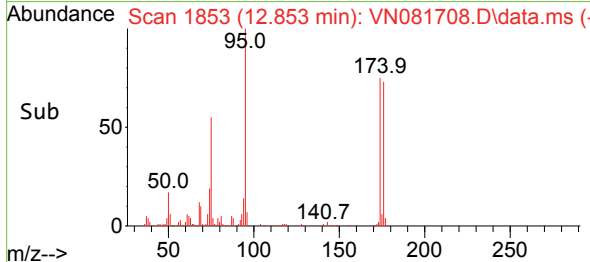
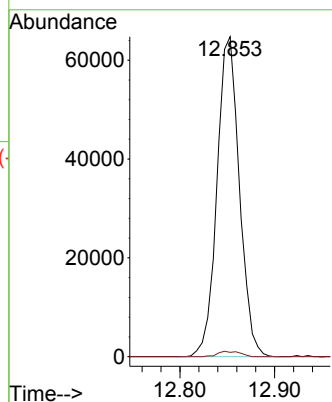
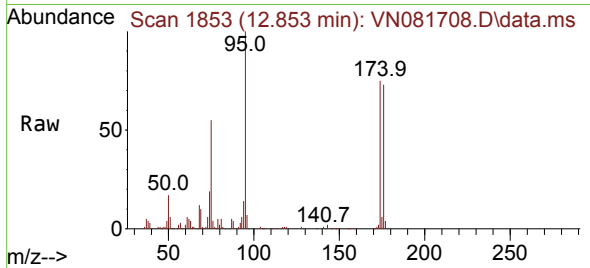




#76
1,2,3-Trichloropropane
Concen: 23.144 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 106439
Ion Ratio Lower Upper
75 100
77 1.7 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.543 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081708.D
Acq: 12 Apr 2024 11:07

Tgt Ion: 75 Resp: 106439
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.1 33.4 50.0#

