

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080970.D
 Acq On : 08 Feb 2024 17:46
 Operator : JC\MD
 Sample : P1372-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 01:24:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

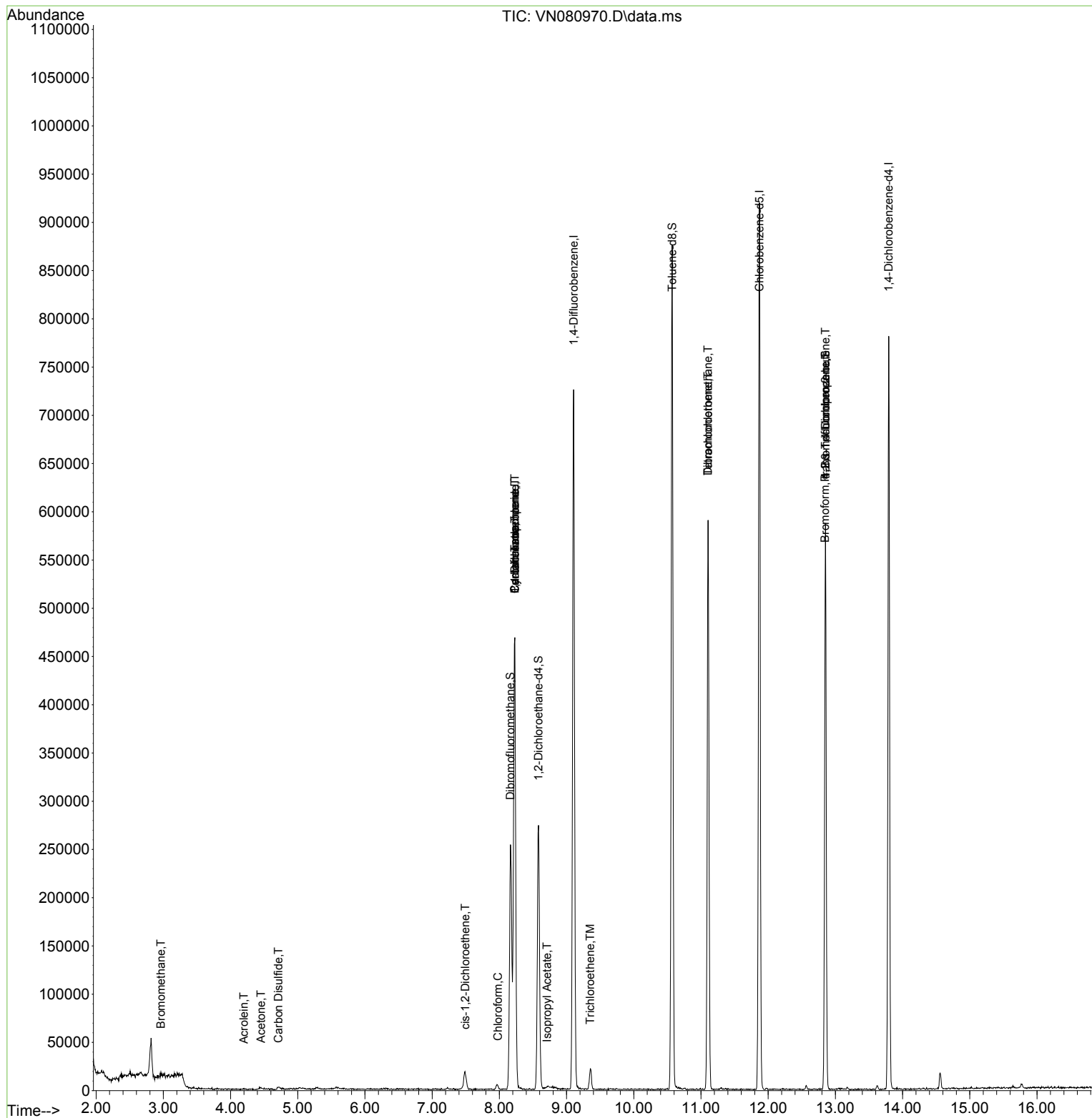
Internal Standards						
1) Pentafluorobenzene	8.230	168	328086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	622383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	533877	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	221576	53.536	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.080%	
35) Dibromofluoromethane	8.165	113	181468	54.337	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.680%	
50) Toluene-d8	10.571	98	598918	49.579	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.160%	
62) 4-Bromofluorobenzene	12.853	95	195592	44.570	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3705	Below Cal	#	82
5) Bromomethane	2.965	94	1973	0.632	ug/l	88
13) Acrolein	4.200	56	189	0.263	ug/l	# 32
16) Acetone	4.453	43	3313	2.433	ug/l	# 80
17) Carbon Disulfide	4.712	76	2445	0.276	ug/l	# 78
18) Methyl Acetate	5.030	43	2561	Below Cal	#	63
27) cis-1,2-Dichloroethene	7.494	96	11238	2.449	ug/l	74
30) Chloroform	7.977	83	4799	0.617	ug/l	90
31) Cyclohexane	8.230	56	8046	1.422	ug/l	# 1
36) 1,1-Dichloropropene	8.230	75	28775	5.792	ug/l	# 45
38) Carbon Tetrachloride	8.230	117	37715	7.405	ug/l	# 17
43) Isopropyl Acetate	8.712	43	2018	0.292	ug/l	# 57
44) Trichloroethene	9.353	130	7525	1.638	ug/l	90
60) Dibromochloromethane	11.106	129	125667	31.412	ug/l	# 10
64) Tetrachloroethene	11.106	164	124056	30.785	ug/l	96
71) Bromoform	12.847	173	1154	0.427	ug/l	# 30
76) 1,2,3-Trichloropropane	12.853	75	106492	25.511	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	106492	69.309	ug/l	# 14

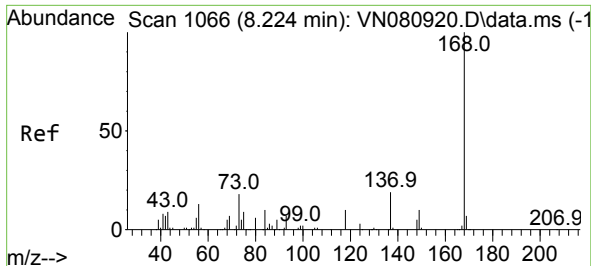
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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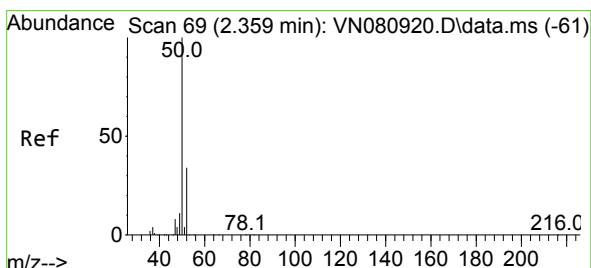
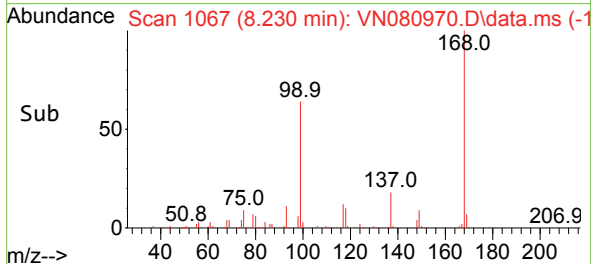
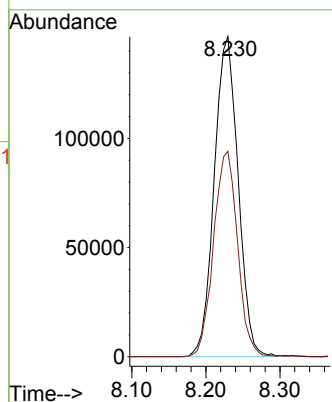
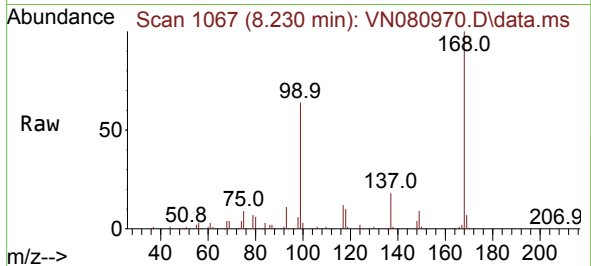




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

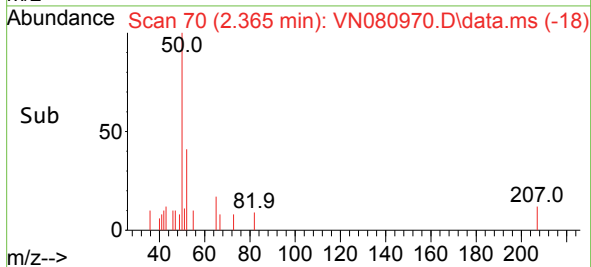
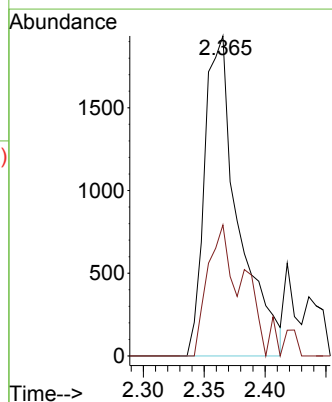
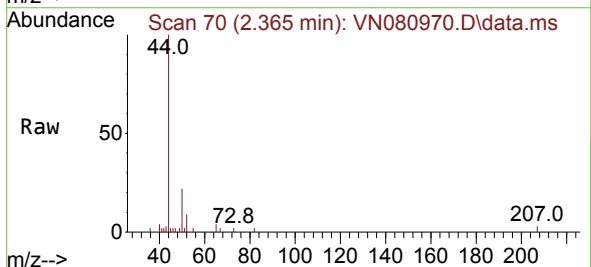
Instrument :
MSVOA_N
ClientSampleId :

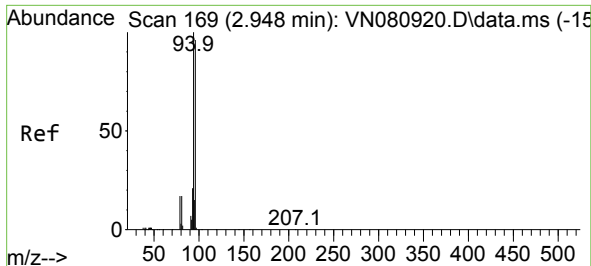
Tgt Ion:168 Resp: 328086
Ion Ratio Lower Upper
168 100
99 64.2 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Tgt Ion: 50 Resp: 3705
Ion Ratio Lower Upper
50 100
52 41.0 25.0 37.4#

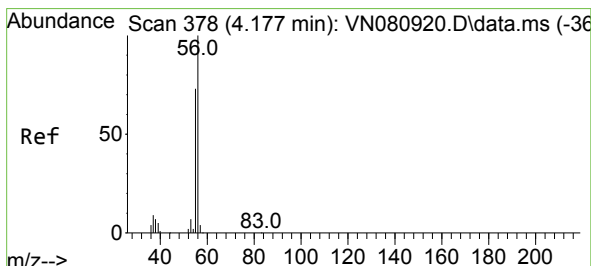
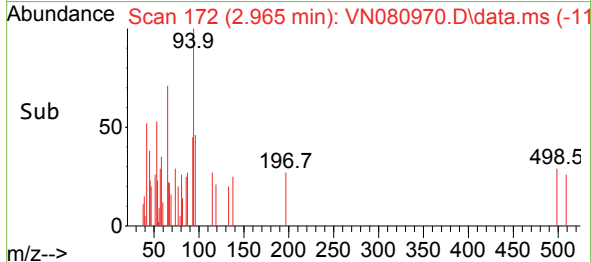
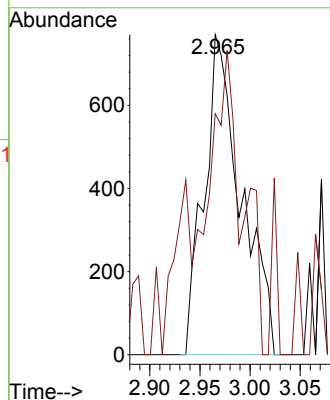
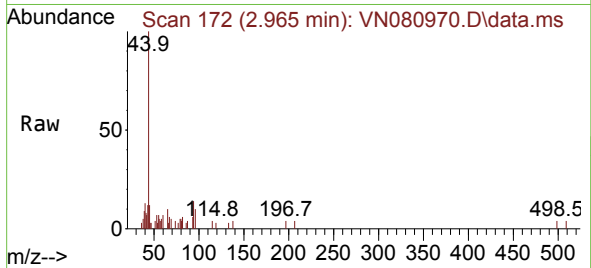




#5
Bromomethane
Concen: 0.632 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

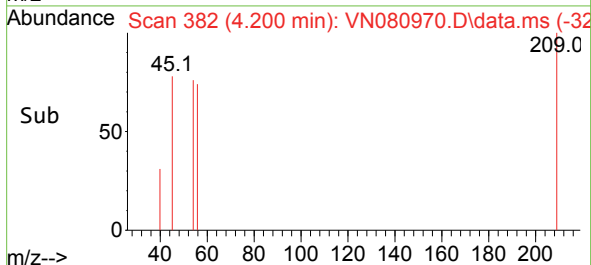
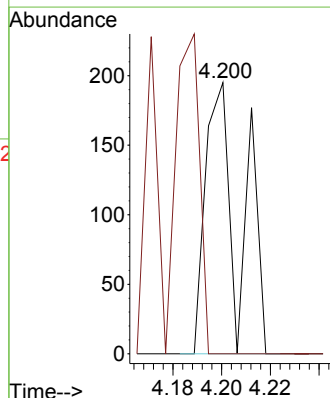
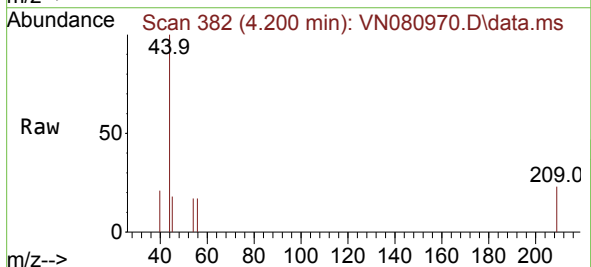
Instrument :
MSVOA_N
ClientSampleId :

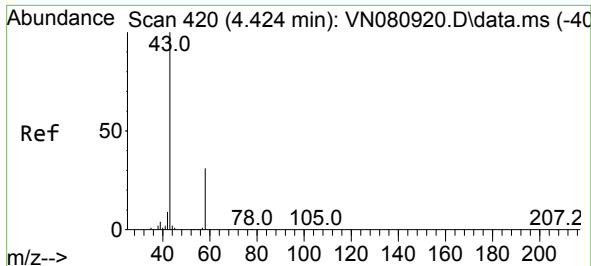
Tgt Ion: 94 Resp: 1973
Ion Ratio Lower Upper
94 100
96 75.3 69.2 103.8



#13
Acrolein
Concen: 0.263 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.023 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 124.3 55.3 82.9#

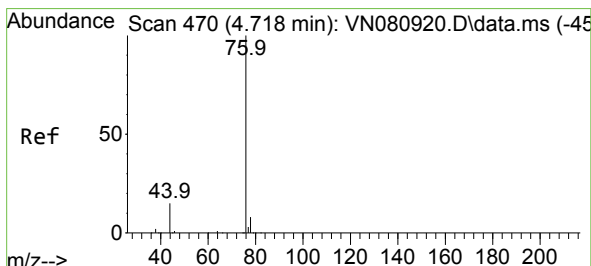
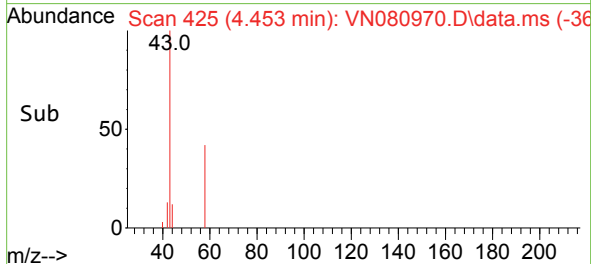
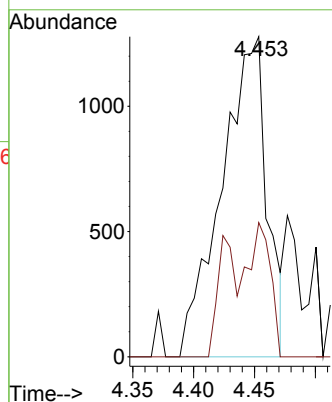
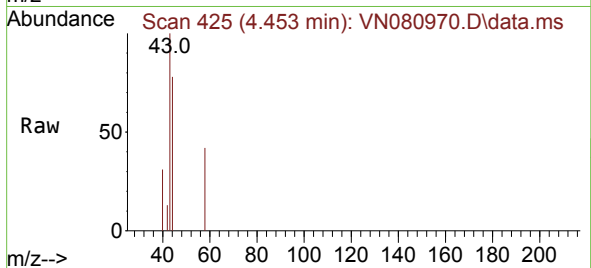




#16
Acetone
Concen: 2.433 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

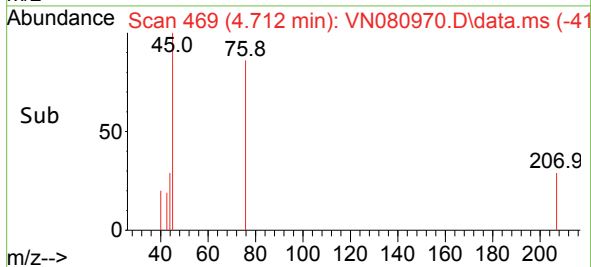
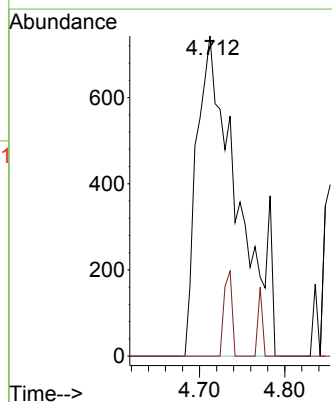
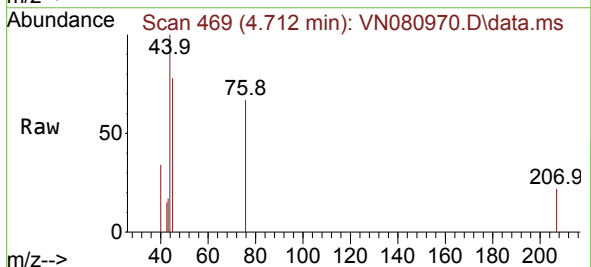
Instrument :
MSVOA_N
ClientSampleId :

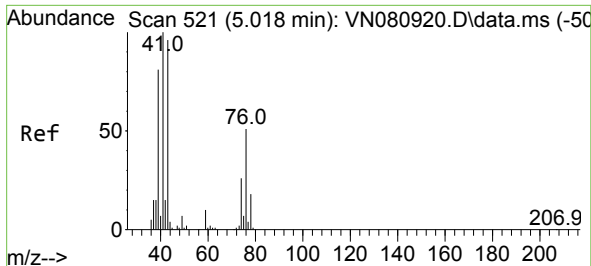
Tgt Ion: 43 Resp: 3313
Ion Ratio Lower Upper
43 100
58 41.9 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.276 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

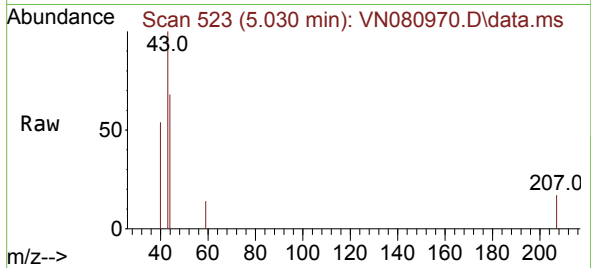
Tgt Ion: 76 Resp: 2445
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



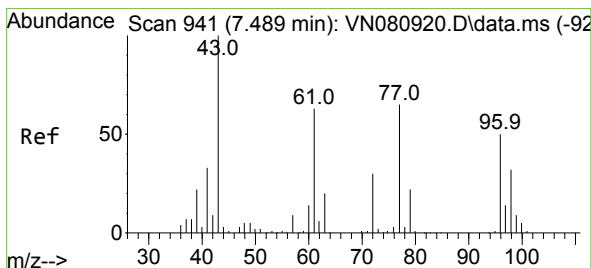
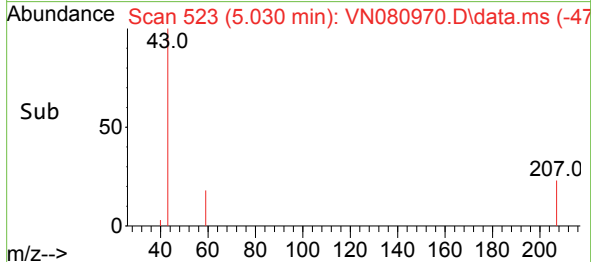
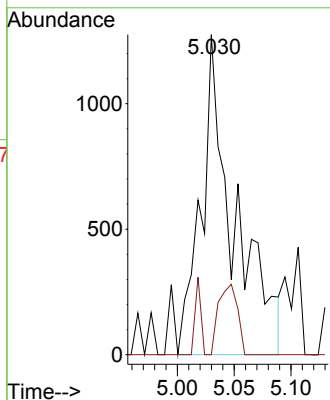


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

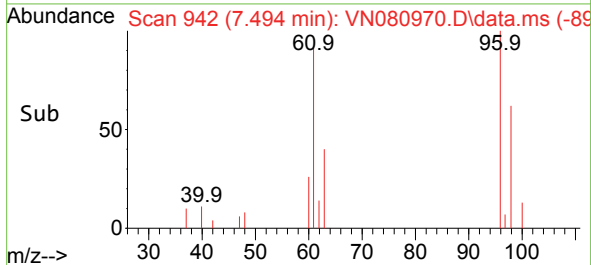
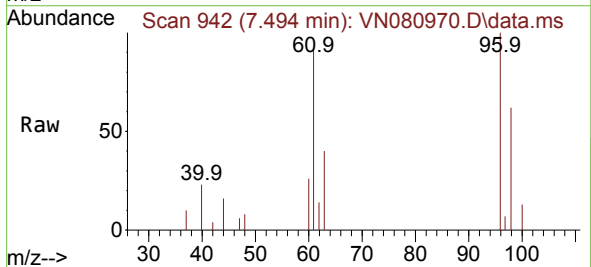
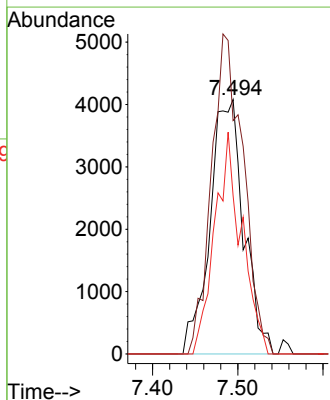


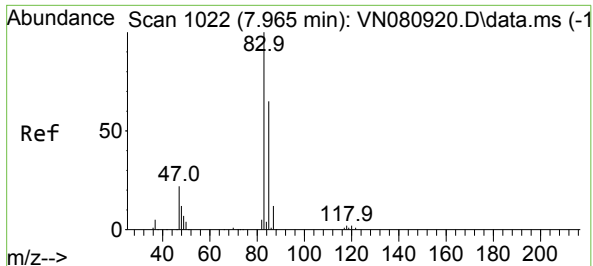
Tgt Ion: 43 Resp: 2561
Ion Ratio Lower Upper
43 100
74 4.3 17.3 25.9#



#27
cis-1,2-Dichloroethene
Concen: 2.449 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Tgt Ion: 96 Resp: 11238
Ion Ratio Lower Upper
96 100
61 117.7 0.0 325.4
98 69.3 0.0 130.4





#30

Chloroform

Concen: 0.617 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.012 min

Lab File: VN080970.D

Acq: 08 Feb 2024 17:46

Instrument :

MSVOA_N

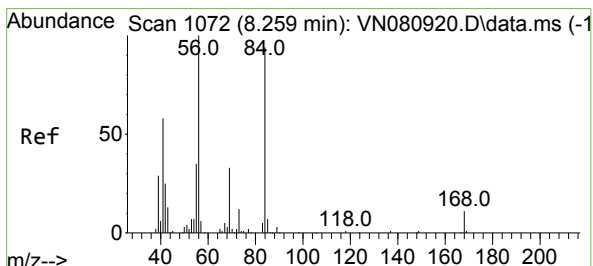
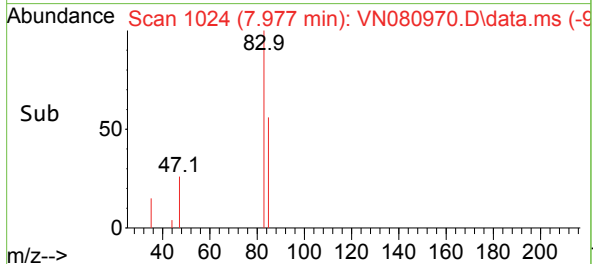
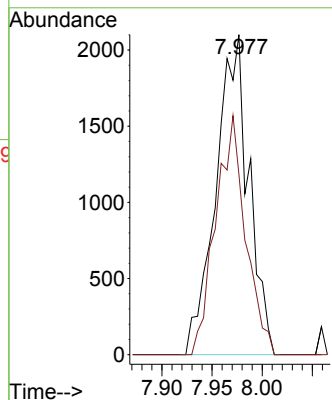
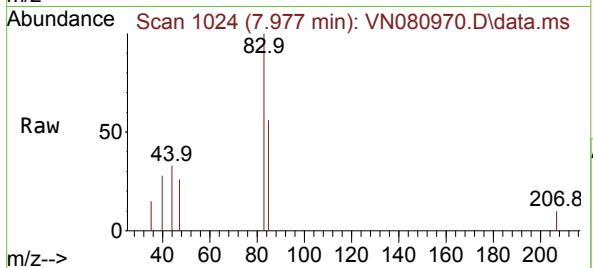
ClientSampleId :

Tgt Ion: 83 Resp: 4799

Ion Ratio Lower Upper

83 100

85 56.4 51.0 76.6



#31

Cyclohexane

Concen: 1.422 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN080970.D

Acq: 08 Feb 2024 17:46

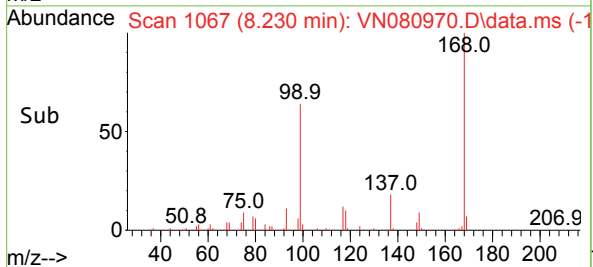
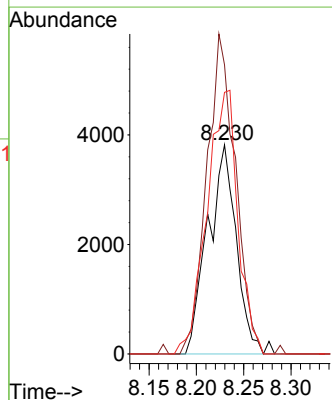
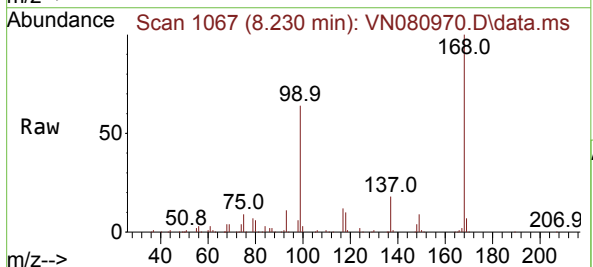
Tgt Ion: 56 Resp: 8046

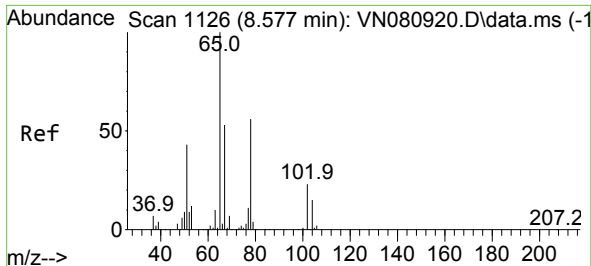
Ion Ratio Lower Upper

56 100

69 138.2 20.1 30.1#

84 125.1 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 53.536 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

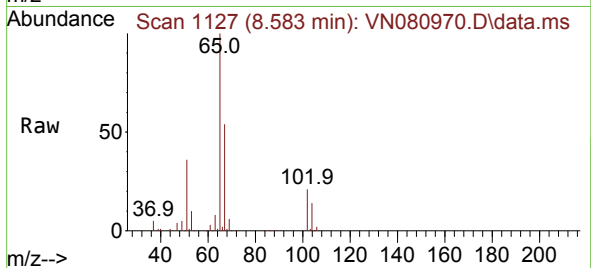
Lab File: VN080970.D

Acq: 08 Feb 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

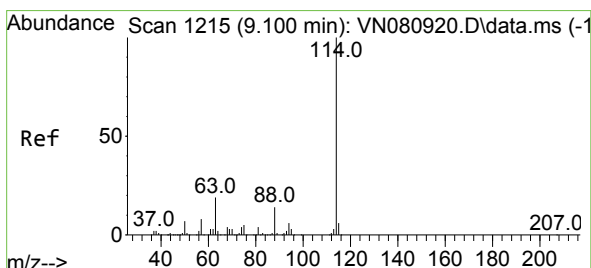
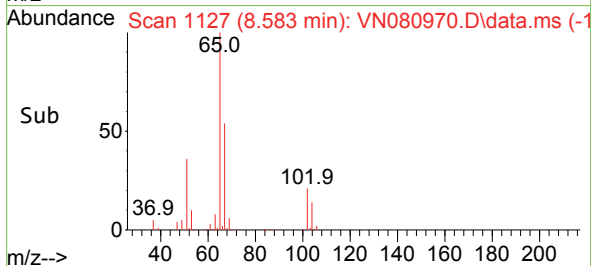
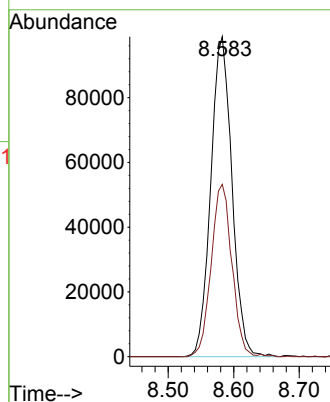


Tgt Ion: 65 Resp: 221576

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080970.D

Acq: 08 Feb 2024 17:46

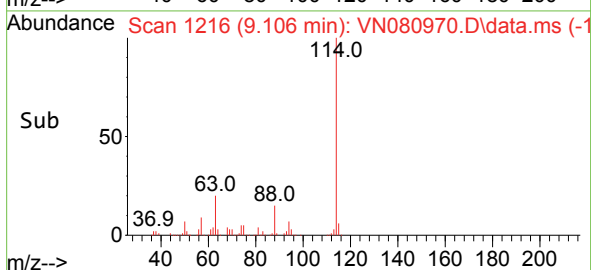
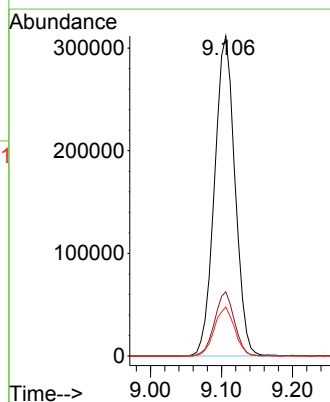
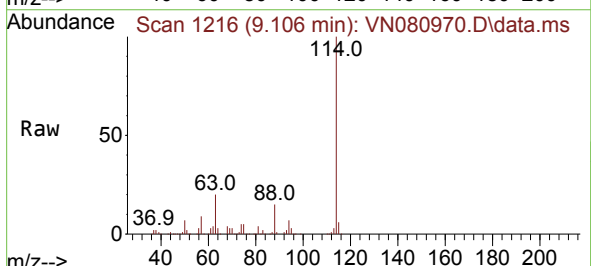
Tgt Ion: 114 Resp: 622383

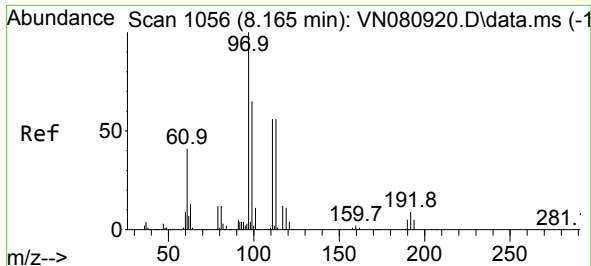
Ion Ratio Lower Upper

114 100

63 20.0 0.0 48.0

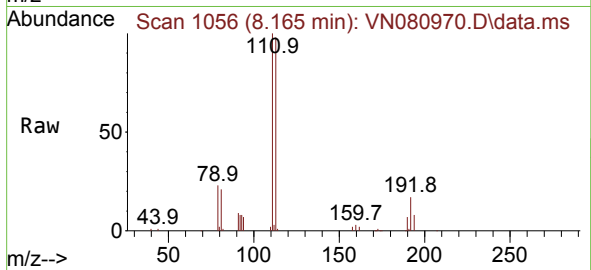
88 15.3 0.0 34.8



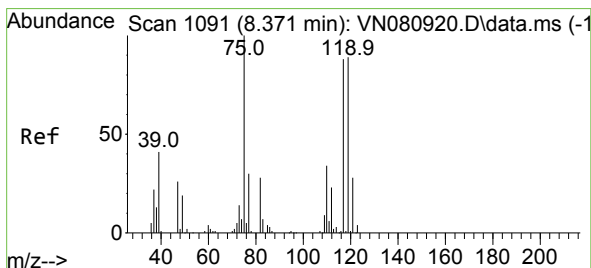
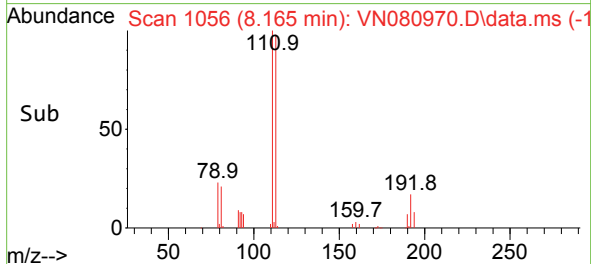
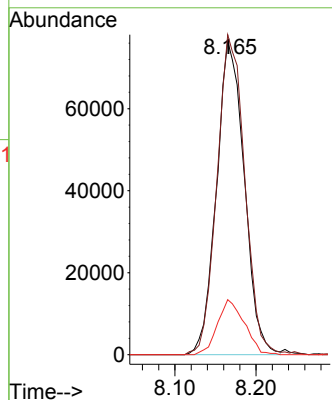


#35
Dibromofluoromethane
Concen: 54.337 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

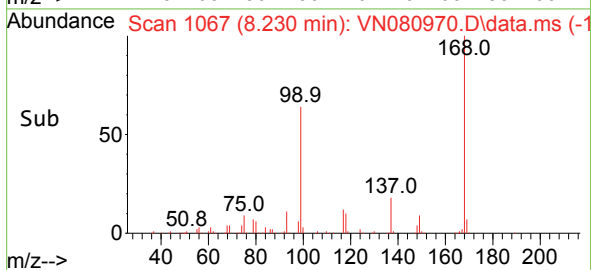
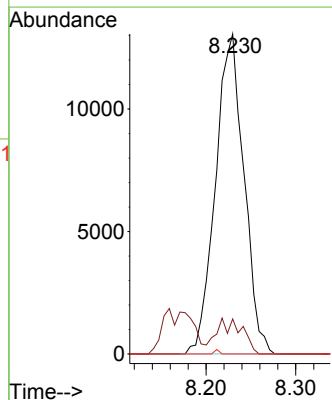
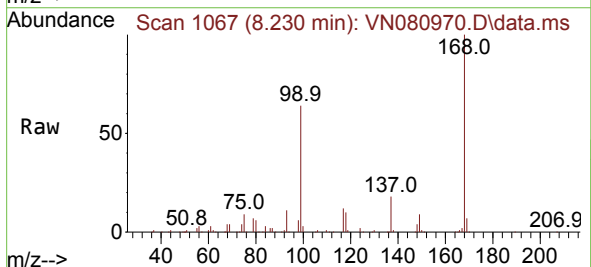


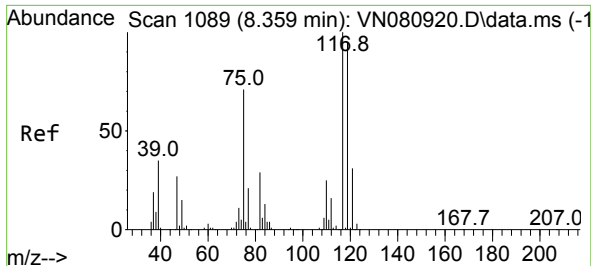
Tgt Ion:113 Resp: 181468
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 17.1 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.792 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

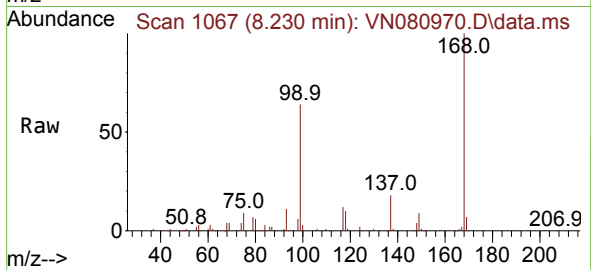
Tgt Ion: 75 Resp: 28775
Ion Ratio Lower Upper
75 100
110 2.8 16.0 48.0#
77 0.2 25.8 38.6#



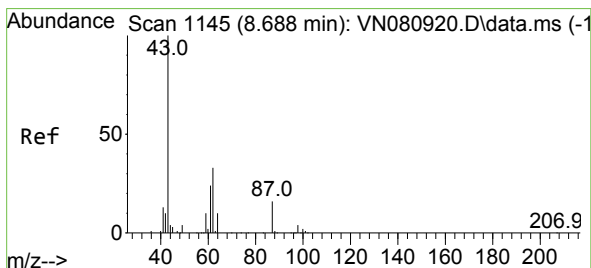
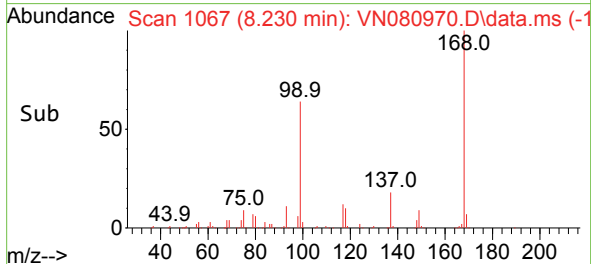
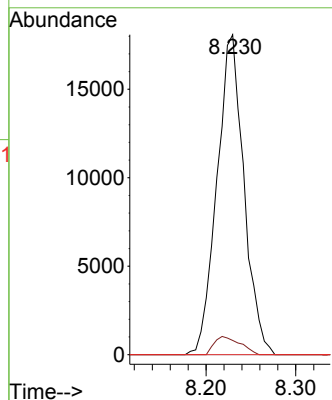


#38
Carbon Tetrachloride
Concen: 7.405 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

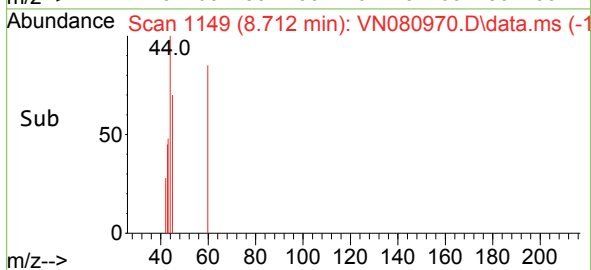
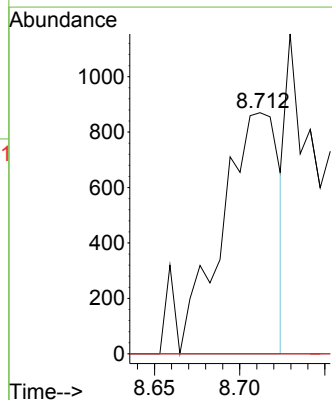
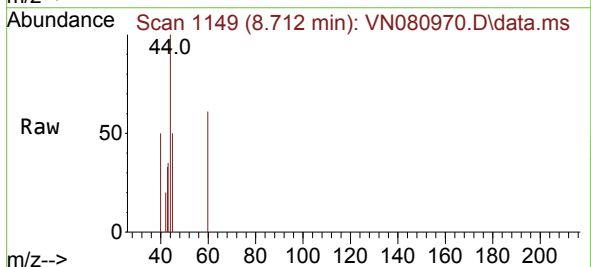


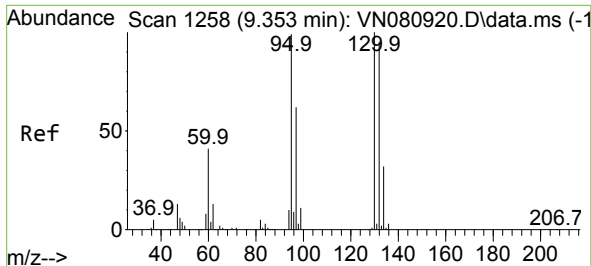
Tgt Ion:117 Resp: 37715
Ion Ratio Lower Upper
117 100
119 4.4 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.292 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.023 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Tgt Ion: 43 Resp: 2018
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#

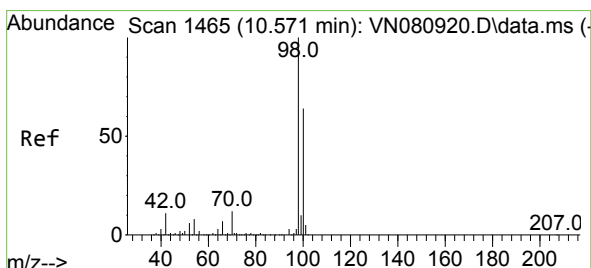
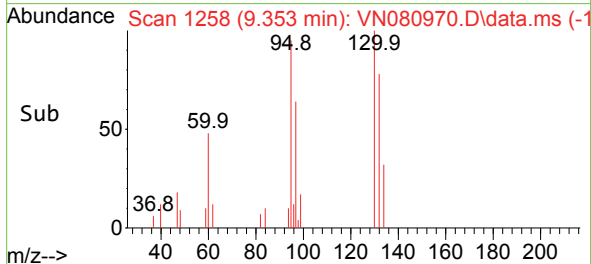
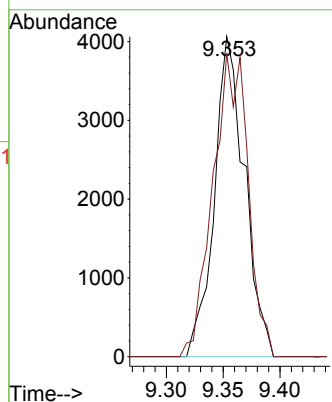
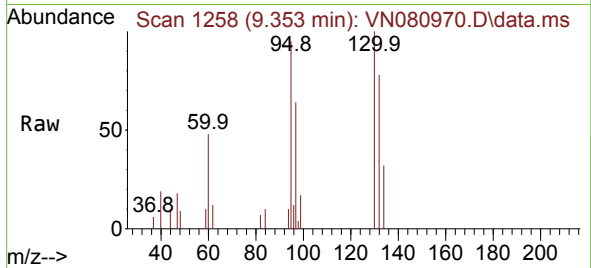




#44
Trichloroethene
Concen: 1.638 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

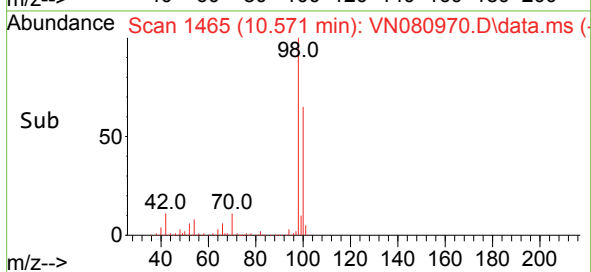
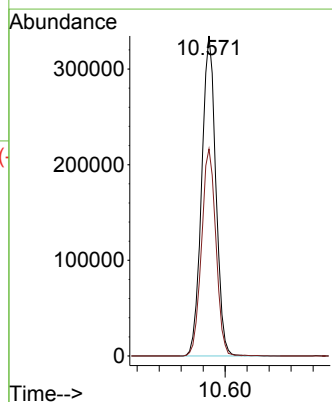
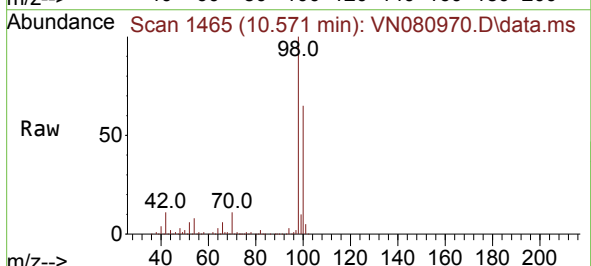
Instrument :
MSVOA_N
ClientSampleId :

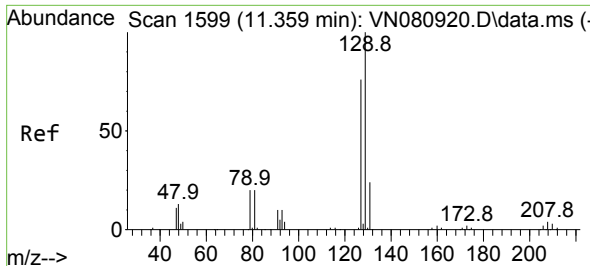
Tgt Ion:130 Resp: 7525
Ion Ratio Lower Upper
130 100
95 94.8 0.0 210.4



#50
Toluene-d8
Concen: 49.579 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Tgt Ion: 98 Resp: 598918
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0

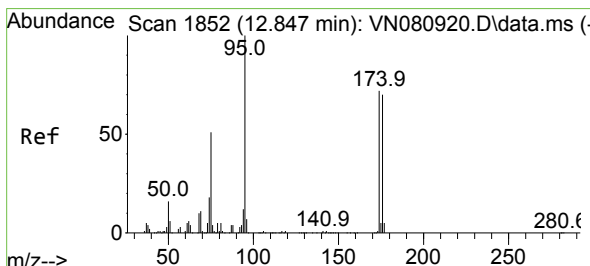
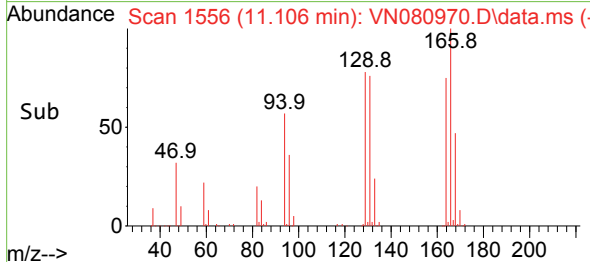
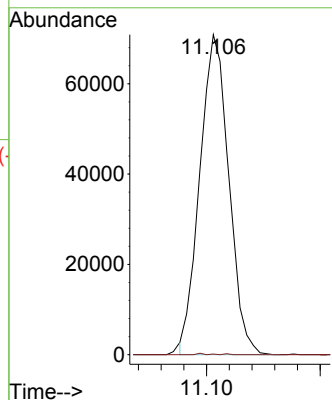
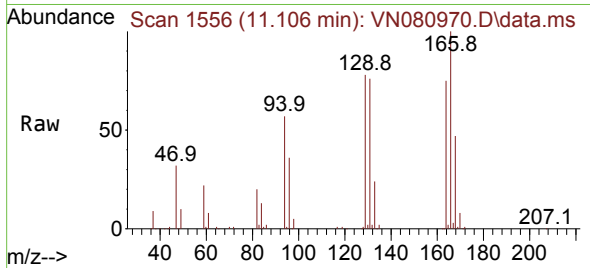




#60
Dibromochloromethane
Concen: 31.412 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

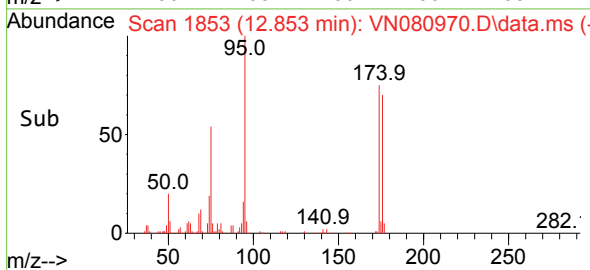
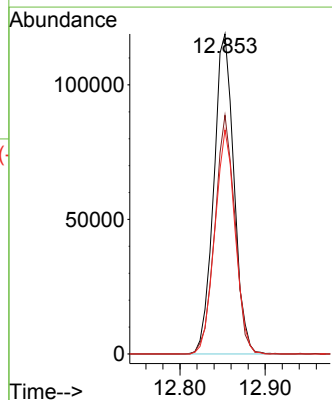
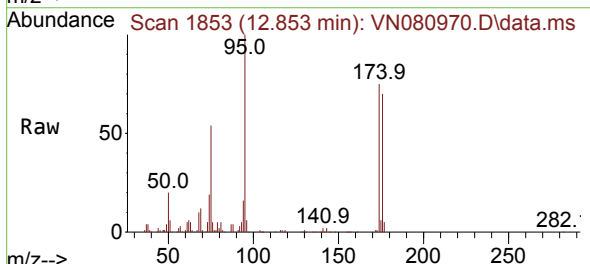
Instrument :
MSVOA_N
ClientSampleId :

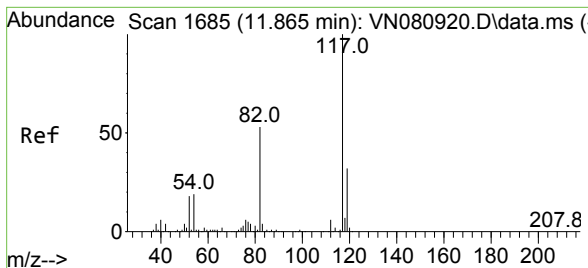
Tgt Ion:129 Resp: 125667
Ion Ratio Lower Upper
129 100
127 0.1 39.4 118.2#



#62
4-Bromofluorobenzene
Concen: 44.570 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Tgt Ion: 95 Resp: 195592
Ion Ratio Lower Upper
95 100
174 74.0 0.0 120.4
176 70.8 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080970.D

Acq: 08 Feb 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

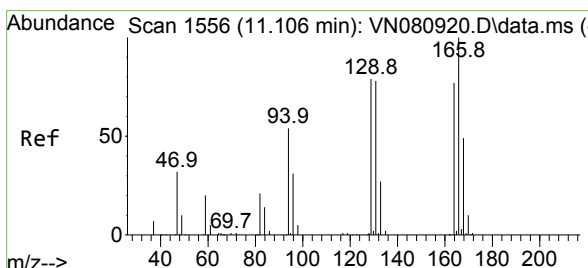
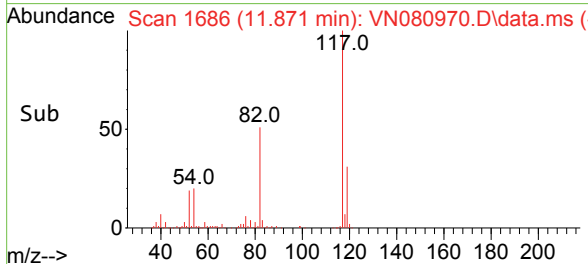
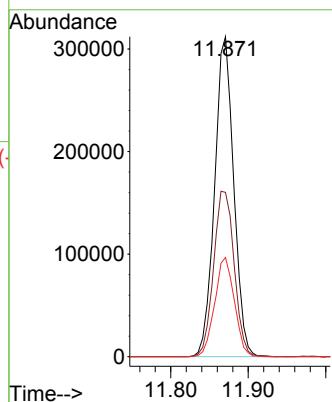
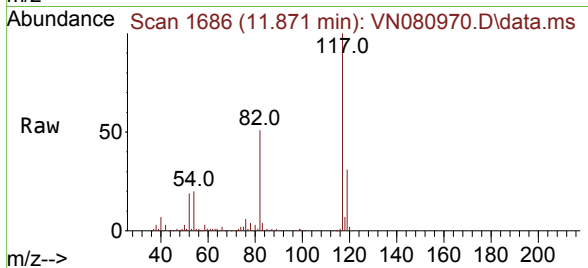
Tgt Ion:117 Resp: 533877

Ion Ratio Lower Upper

117 100

82 51.4 52.7 79.1#

119 31.0 25.3 37.9



#64

Tetrachloroethene

Concen: 30.785 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN080970.D

Acq: 08 Feb 2024 17:46

Tgt Ion:164 Resp: 124056

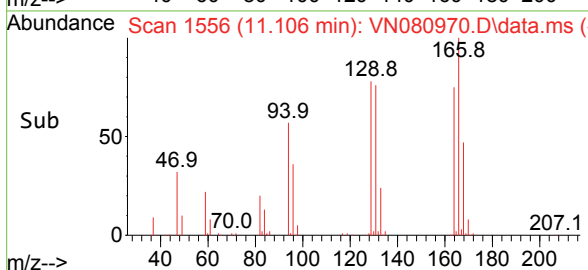
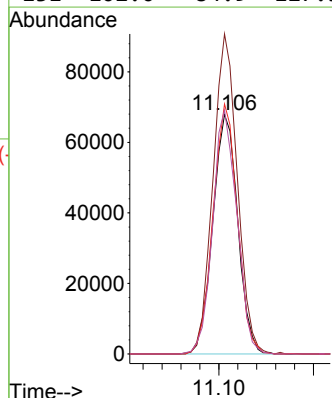
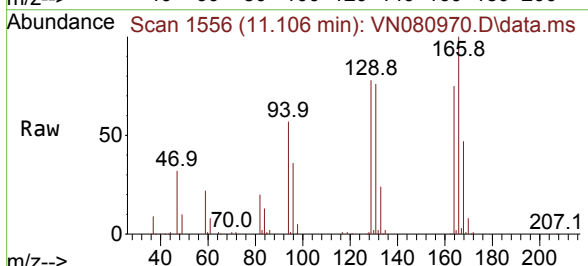
Ion Ratio Lower Upper

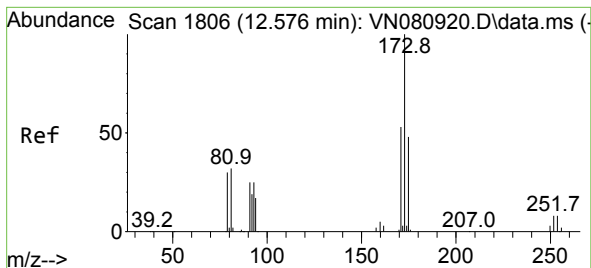
164 100

166 133.7 105.8 158.6

129 104.4 89.6 134.4

131 102.0 84.9 127.3





#71

Bromoform

Concen: 0.427 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

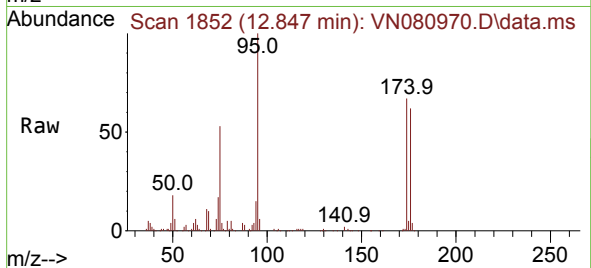
Lab File: VN080970.D

Acq: 08 Feb 2024 17:46

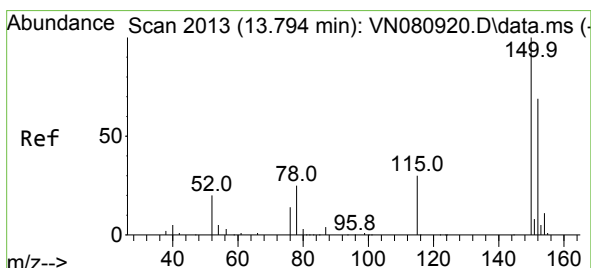
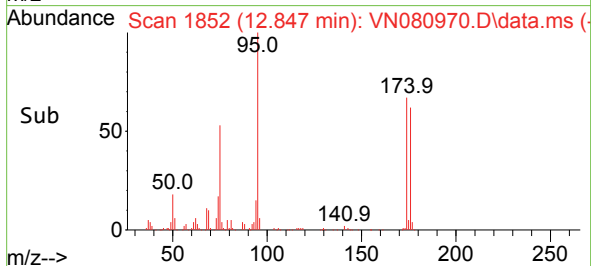
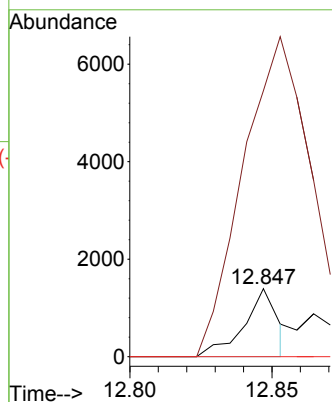
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1154
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.1	69.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

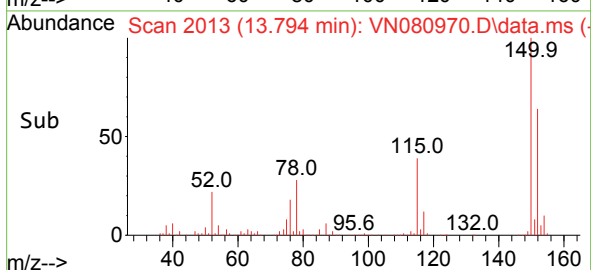
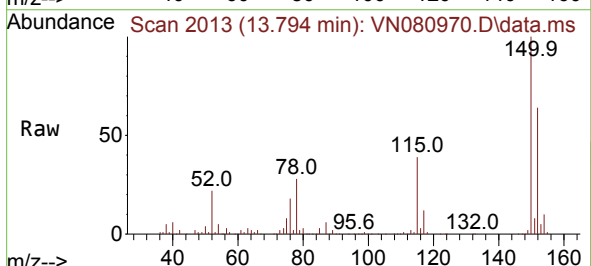
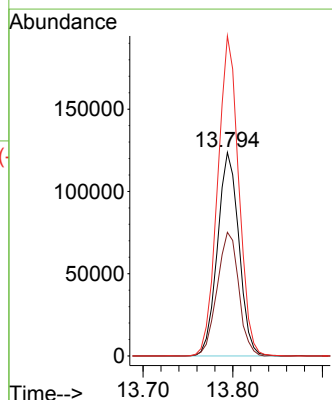
RT: 13.794 min Scan# 2013

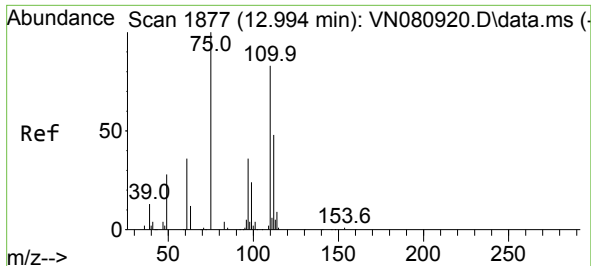
Delta R.T. -0.000 min

Lab File: VN080970.D

Acq: 08 Feb 2024 17:46

Tgt Ion:	152	Resp:	204734
Ion Ratio	Lower	Upper	
152	100		
115	61.4	32.3	96.8
150	154.9	0.0	339.8

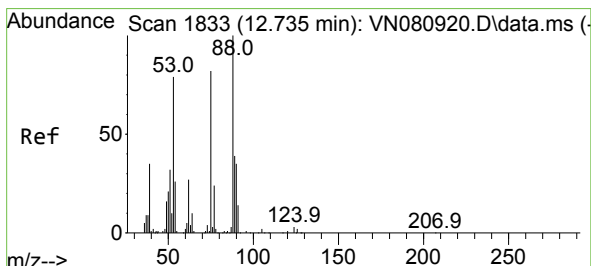
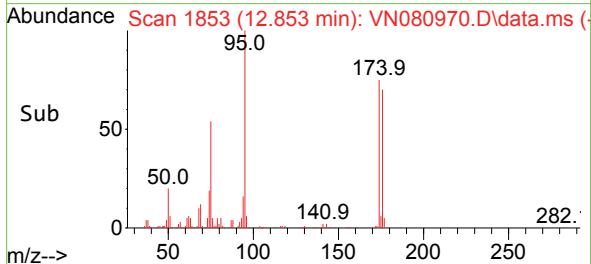
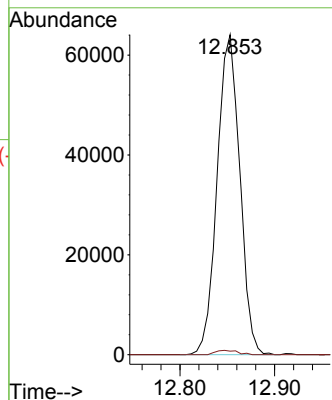
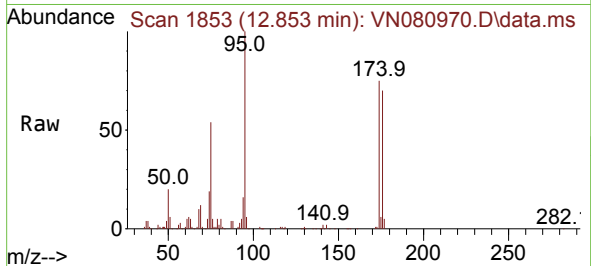




#76
1,2,3-Trichloropropane
Concen: 25.511 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 106492
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.309 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080970.D
Acq: 08 Feb 2024 17:46

Tgt Ion: 75 Resp: 106492
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

