

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079436.D
 Acq On : 06 Oct 2023 10:21
 Operator : JC\MD
 Sample : VN1006WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 23:00:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

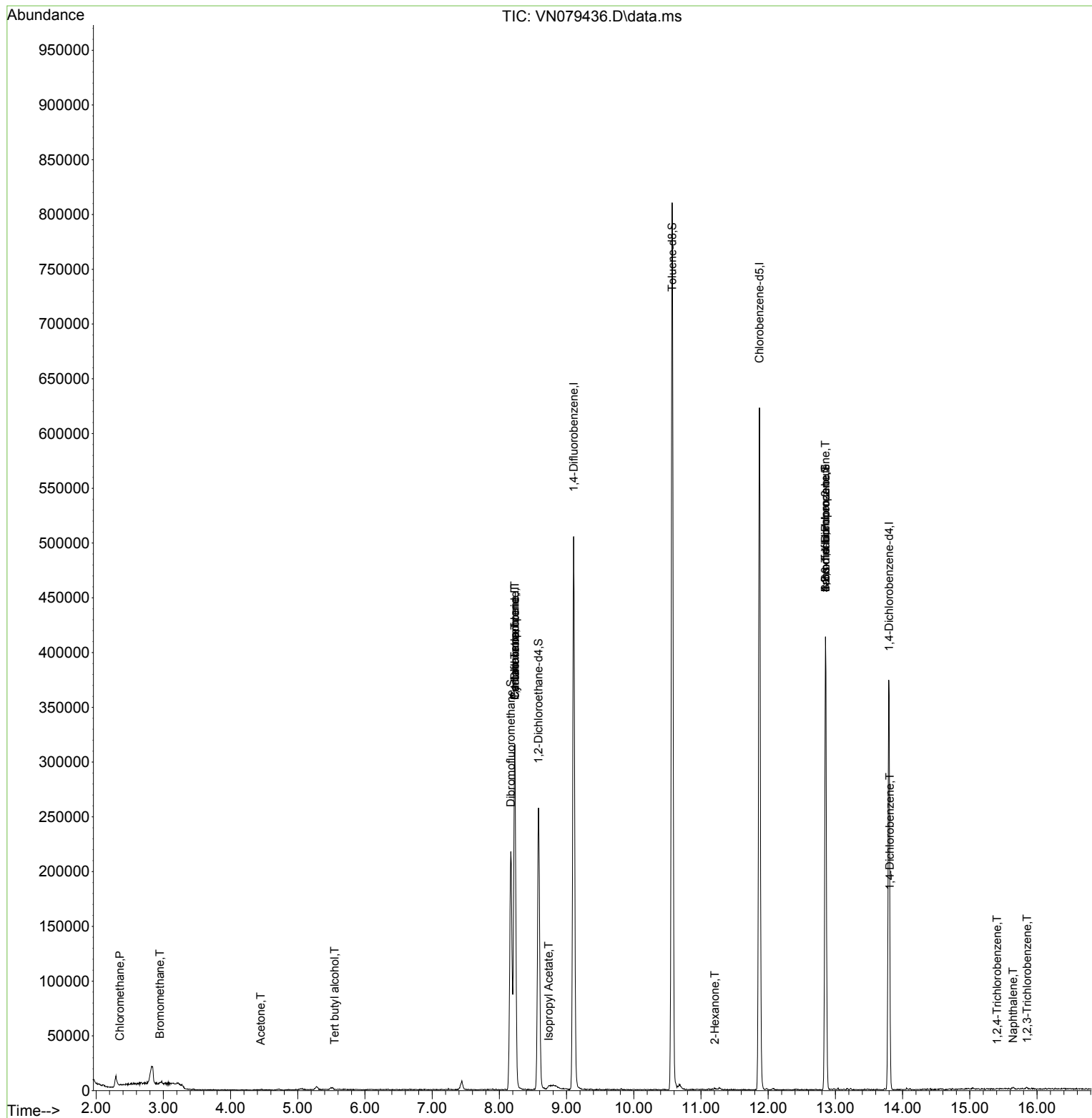
Internal Standards						
1) Pentafluorobenzene	8.230	168	219838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	408553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	351961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	94388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	204403	57.344	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.680%	
35) Dibromofluoromethane	8.171	113	157364	53.598	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.200%	
50) Toluene-d8	10.571	98	546261	51.421	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.840%	
62) 4-Bromofluorobenzene	12.853	95	136071	39.912	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 79.820%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	837	0.213	ug/l #	42
5) Bromomethane	2.948	94	589	0.241	ug/l #	69
11) Tert butyl alcohol	5.547	59	163	0.304	ug/l #	72
16) Acetone	4.447	43	448	0.317	ug/l #	40
20) Methylene Chloride	5.277	84	1811	Below Cal	#	92
31) Cyclohexane	8.230	56	6066	1.200	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	19914	4.519	ug/l #	47
38) Carbon Tetrachloride	8.230	117	24100	5.463	ug/l #	14
43) Isopropyl Acetate	8.735	43	3161	0.411	ug/l #	49
59) 2-Hexanone	11.206	43	816	0.261	ug/l	70
71) Bromoform	12.853	173	1290	0.614	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	73	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	76833	28.232	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76833	81.917	ug/l #	15
88) 1,4-Dichlorobenzene	13.812	146	817	0.232	ug/l #	71
93) 1,2,4-Trichlorobenzene	15.406	180	236	0.229	ug/l #	60
95) Naphthalene	15.647	128	1862	0.591	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.853	180	608	0.494	ug/l #	79

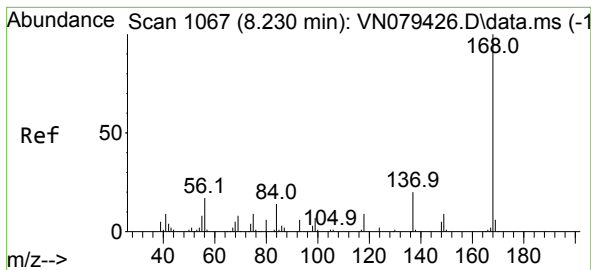
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 06 03:34:49 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

Instrument :

MSVOA_N

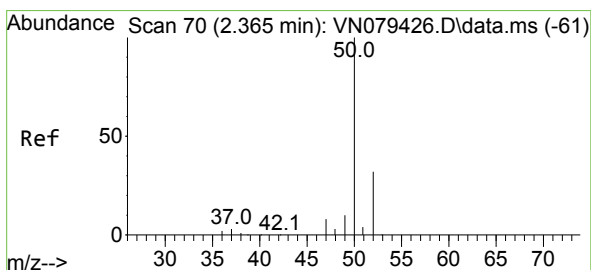
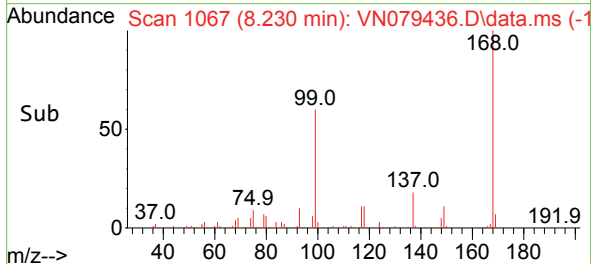
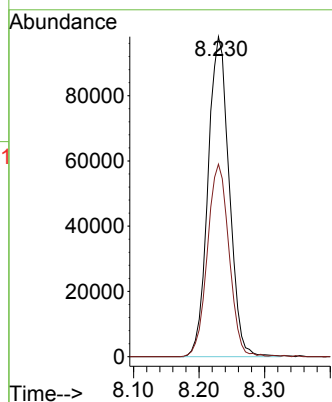
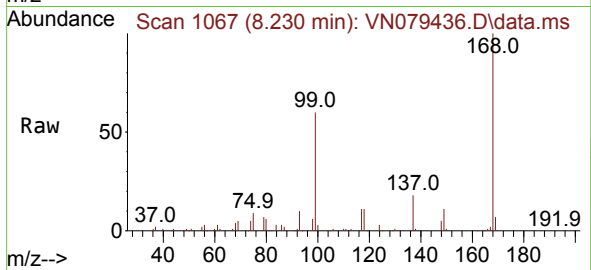
ClientSampleId :

Tgt Ion:168 Resp: 219838

Ion Ratio Lower Upper

168 100

99 60.1 53.0 79.6



#3

Chloromethane

Concen: 0.213 ug/l

RT: 2.353 min Scan# 68

Delta R.T. -0.012 min

Lab File: VN079436.D

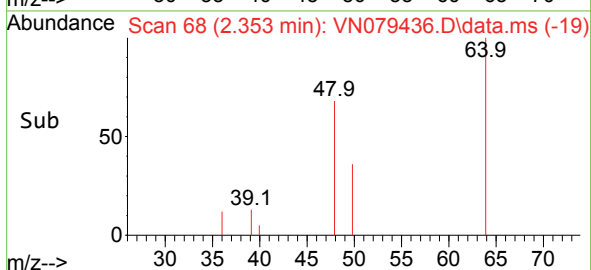
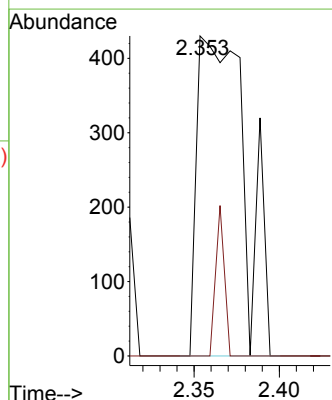
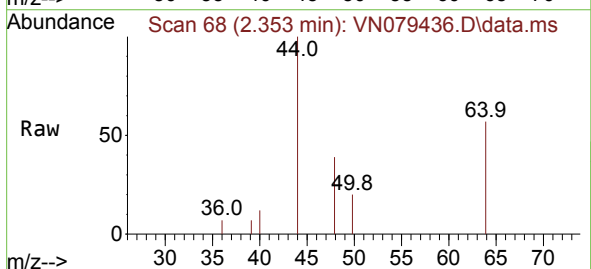
Acq: 06 Oct 2023 10:21

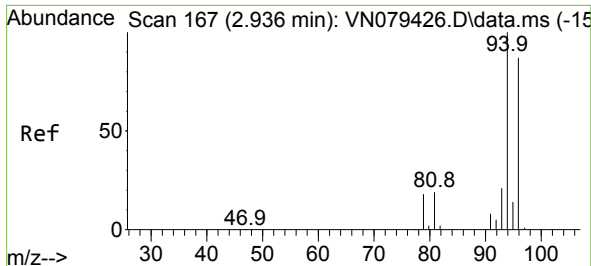
Tgt Ion: 50 Resp: 837

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.241 ug/l

RT: 2.948 min Scan# 1

Delta R.T. 0.012 min

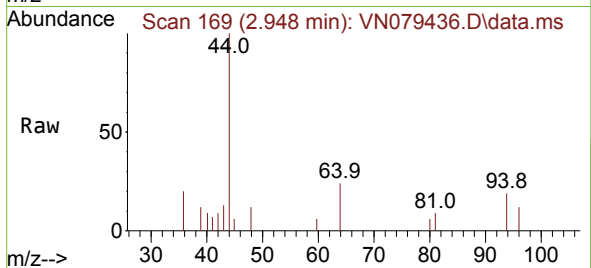
Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

Instrument :

MSVOA_N

ClientSampleId :

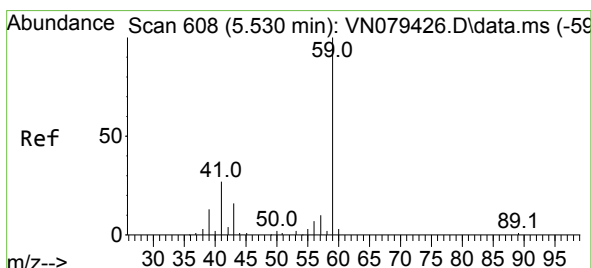
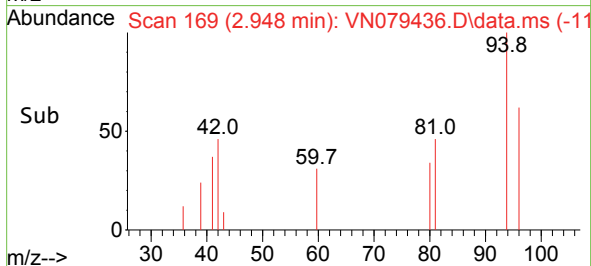
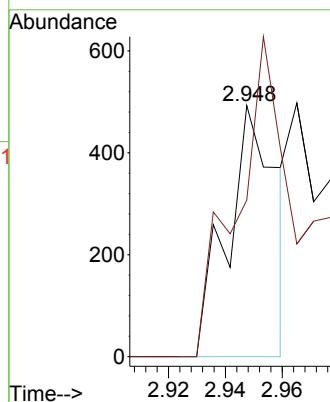


Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

94 100

96 62.3 73.1 109.7#



#11

Tert butyl alcohol

Concen: 0.304 ug/l

RT: 5.547 min Scan# 611

Delta R.T. 0.017 min

Lab File: VN079436.D

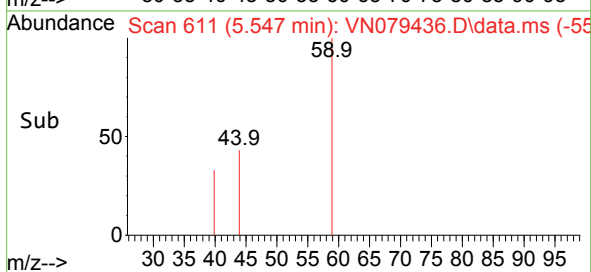
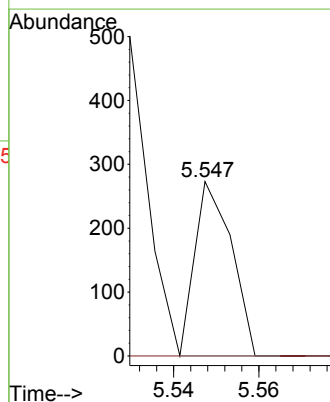
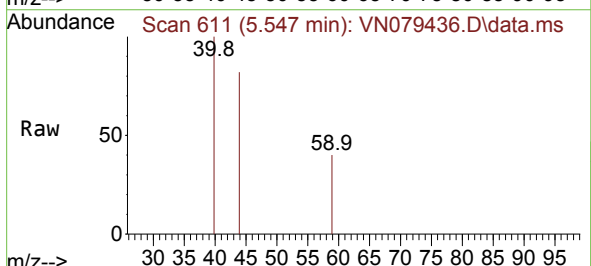
Acq: 06 Oct 2023 10:21

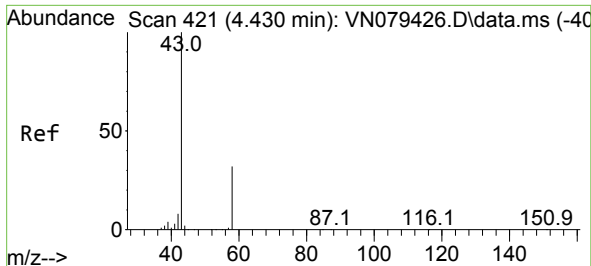
Tgt Ion: 59 Resp: 163

Ion Ratio Lower Upper

59 100

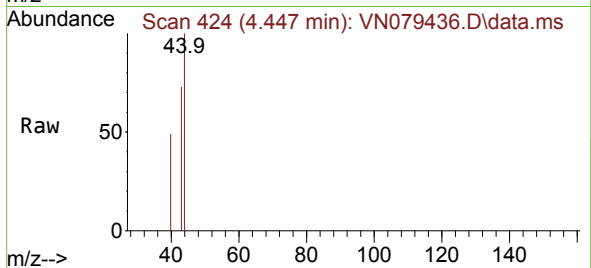
57 0.0 8.2 12.4#



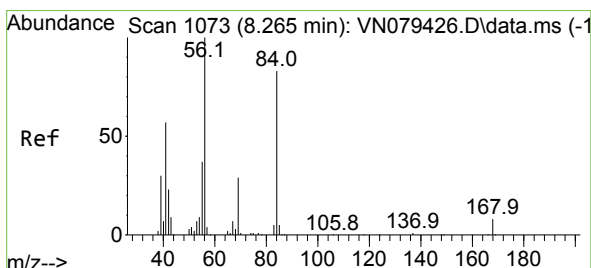
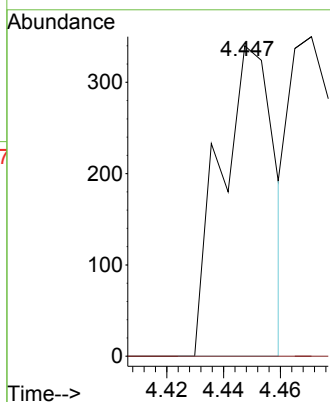
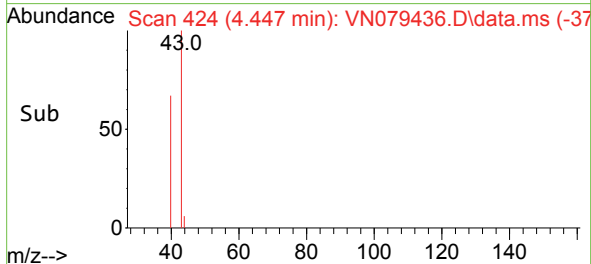


#16
Acetone
Concen: 0.317 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

Instrument :
MSVOA_N
ClientSampleId :

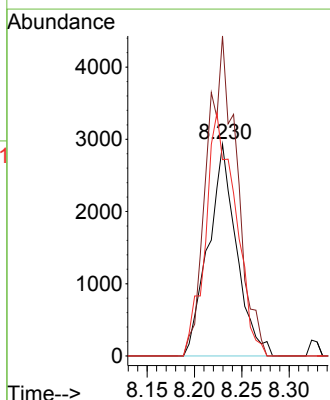
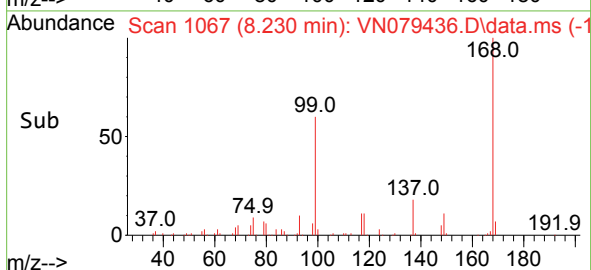
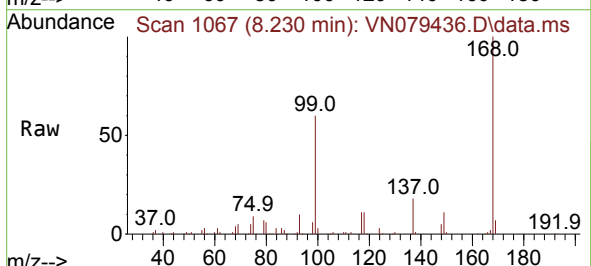


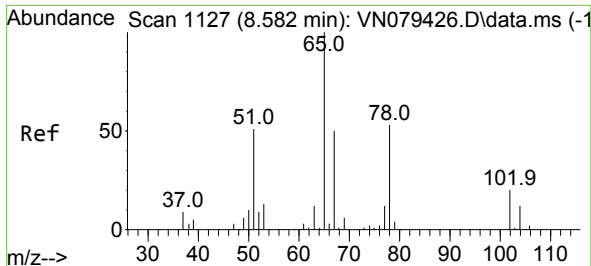
Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

Tgt Ion: 56 Resp: 6066
Ion Ratio Lower Upper
56 100
69 151.2 26.8 40.2#
84 92.7 81.8 122.6

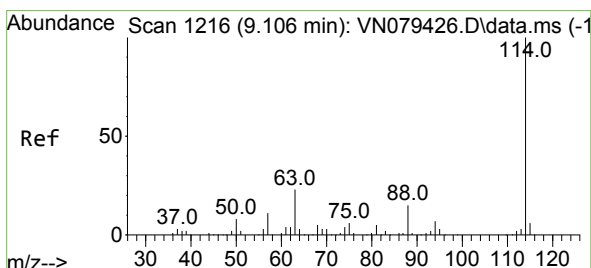
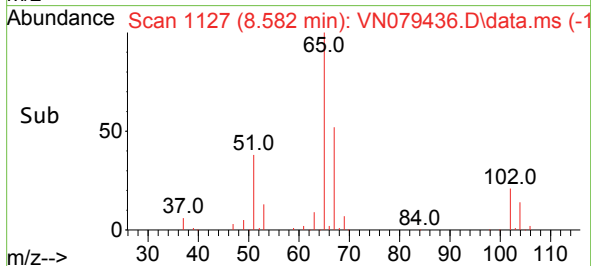
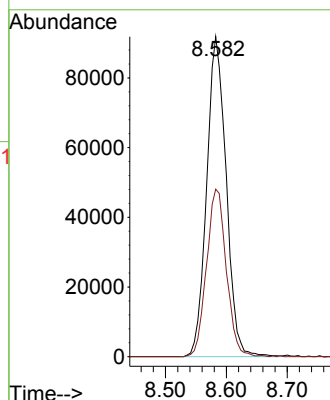
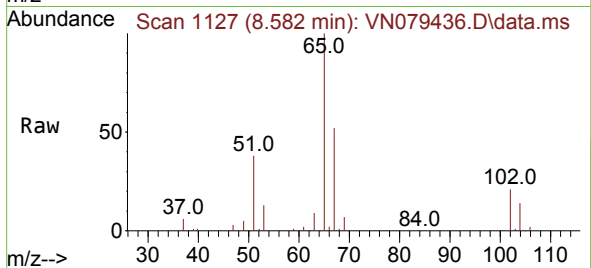




#33
 1,2-Dichloroethane-d4
 Concen: 57.344 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN079436.D
 Acq: 06 Oct 2023 10:21

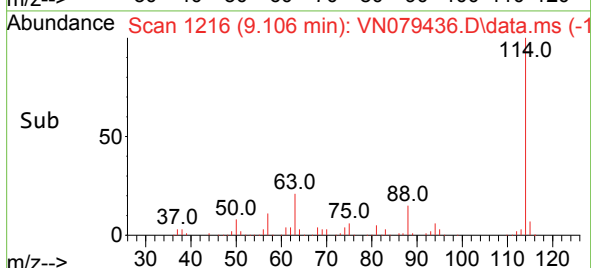
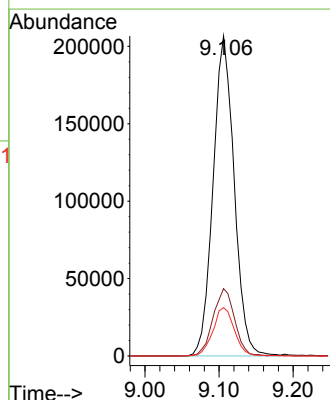
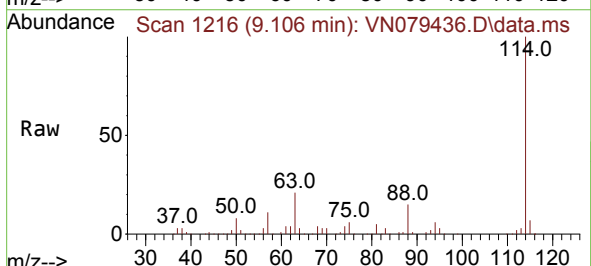
Instrument :
 MSVOA_N
 ClientSampleId :

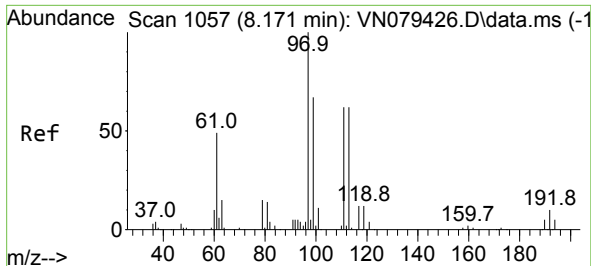
Tgt Ion: 65 Resp: 204403
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN079436.D
 Acq: 06 Oct 2023 10:21

Tgt Ion: 114 Resp: 408553
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 36.4
 88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.598 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

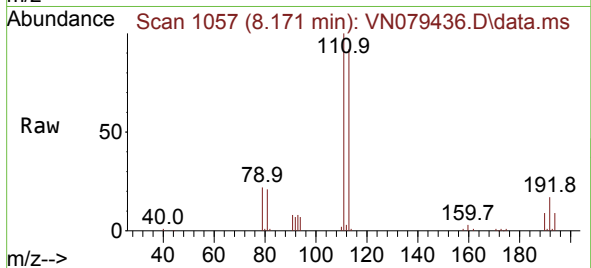
Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

Instrument :

MSVOA_N

ClientSampleId :



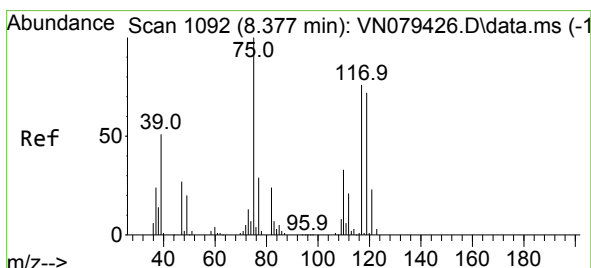
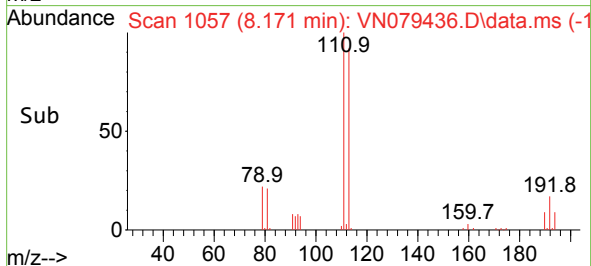
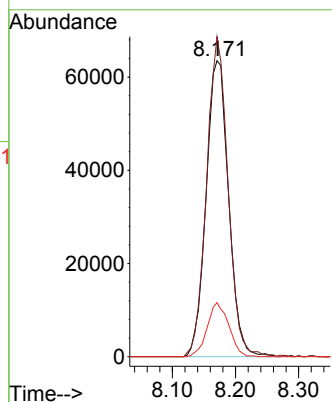
Tgt Ion:113 Resp: 157364

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 17.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.519 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

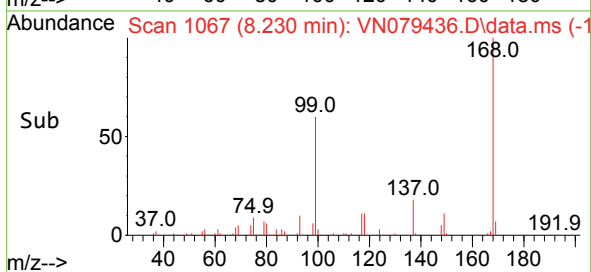
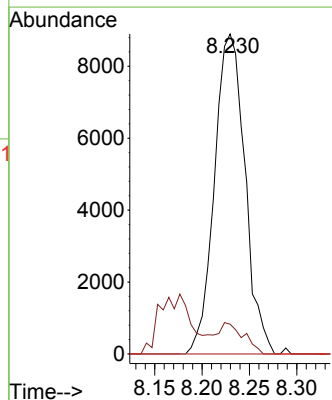
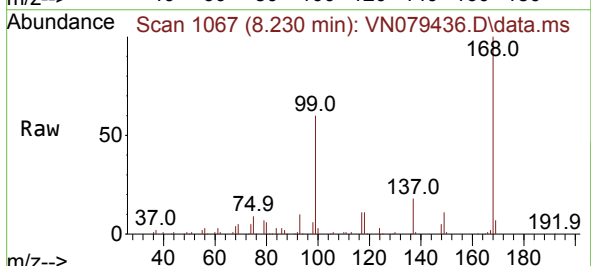
Tgt Ion: 75 Resp: 19914

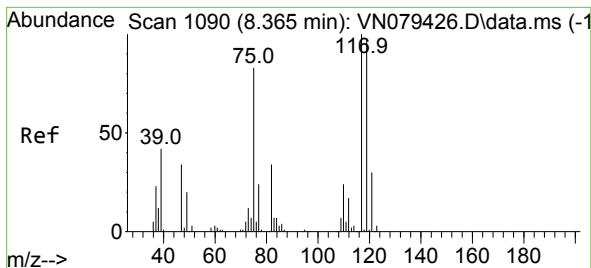
Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.463 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

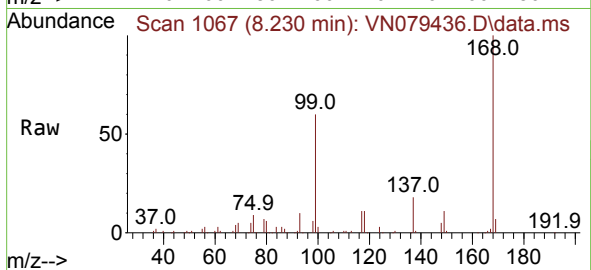
Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

Instrument :

MSVOA_N

ClientSampleId :



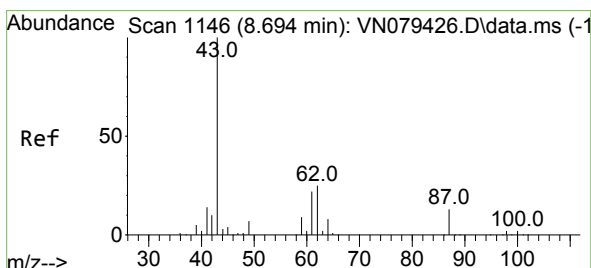
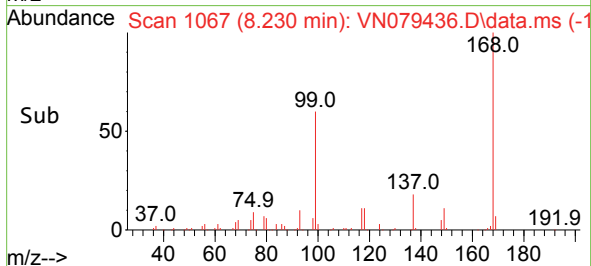
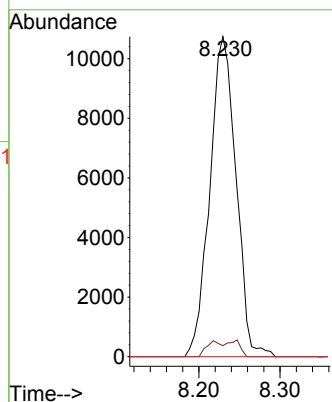
Tgt Ion:117 Resp: 24100

Ion Ratio Lower Upper

117 100

119 3.4 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.411 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

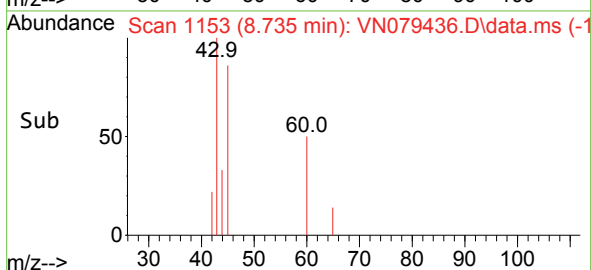
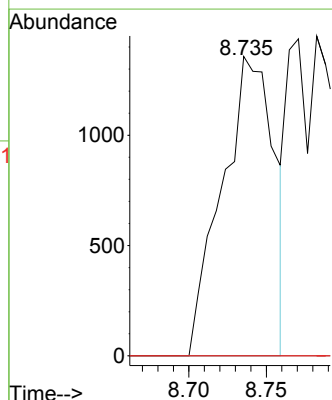
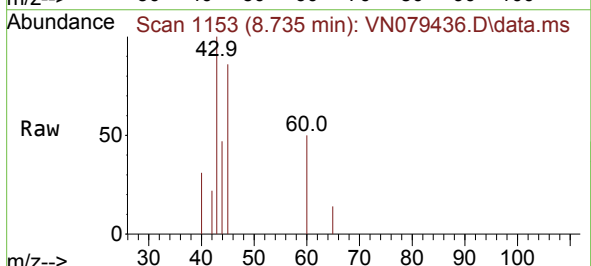
Tgt Ion: 43 Resp: 3161

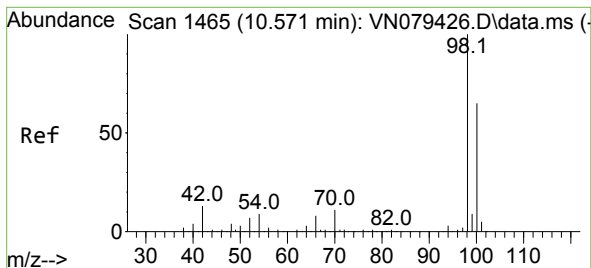
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

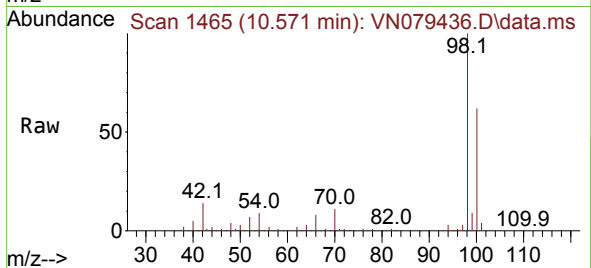
87 0.0 14.6 21.8#



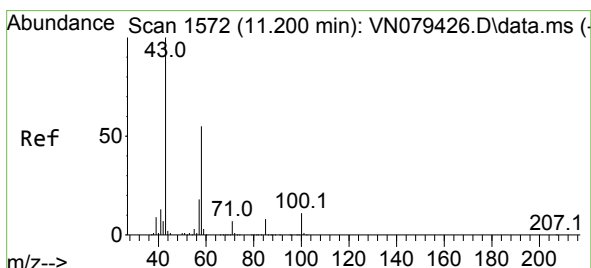
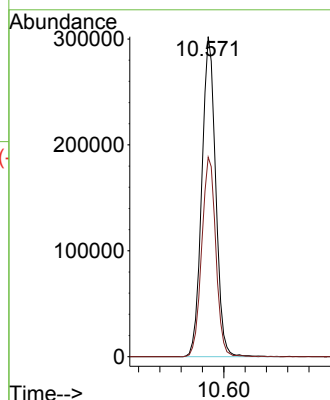
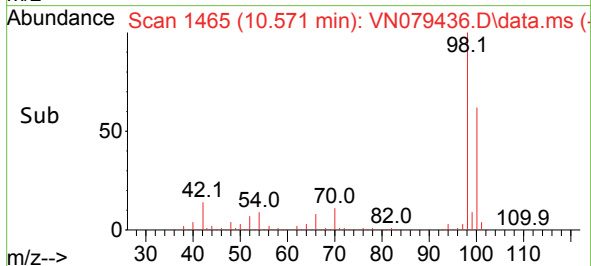


#50
Toluene-d8
Concen: 51.421 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

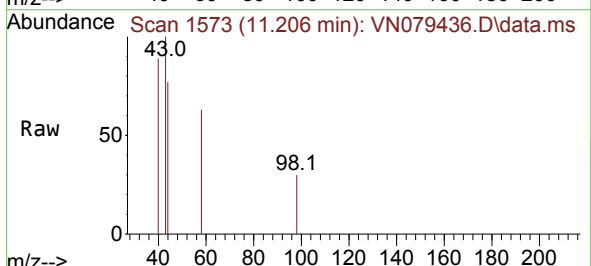
Instrument :
MSVOA_N
ClientSampleId :



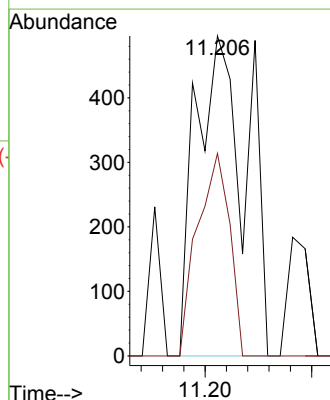
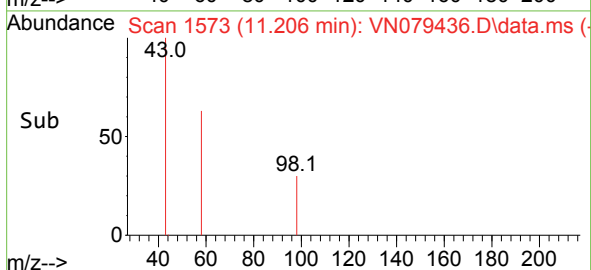
Tgt Ion: 98 Resp: 546261
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0

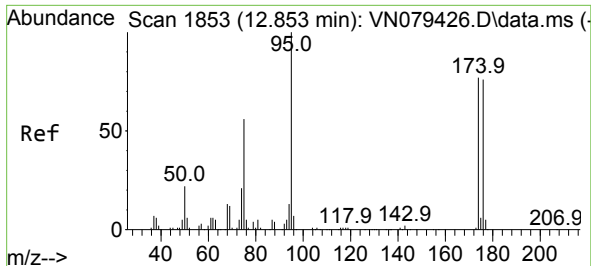


#59
2-Hexanone
Concen: 0.261 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21



Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
58 40.3 31.7 95.1

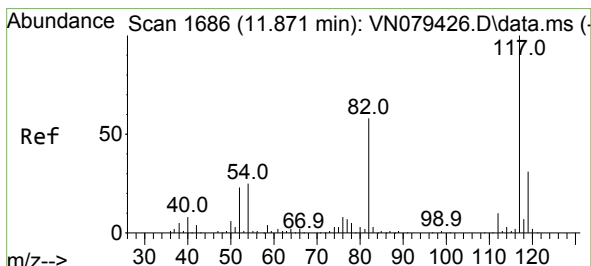
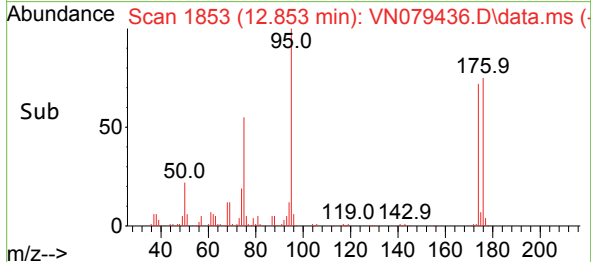
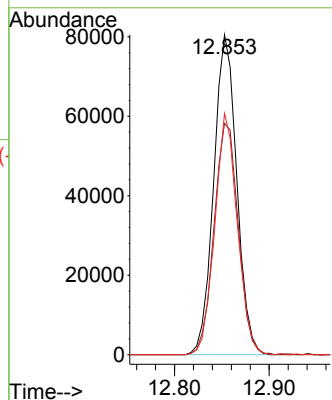
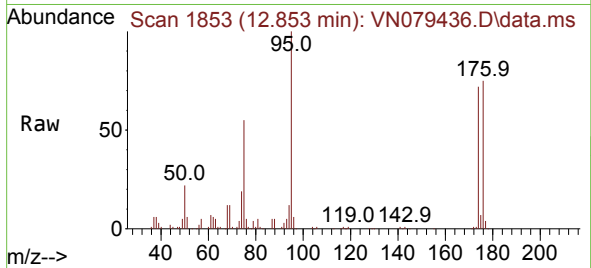




#62
4-Bromofluorobenzene
Concen: 39.912 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

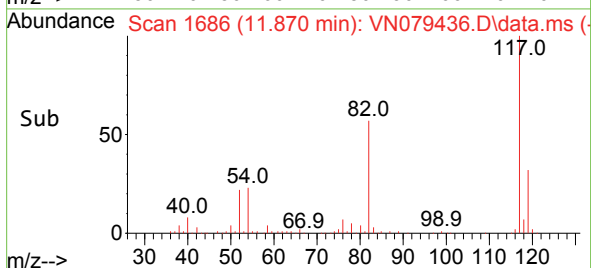
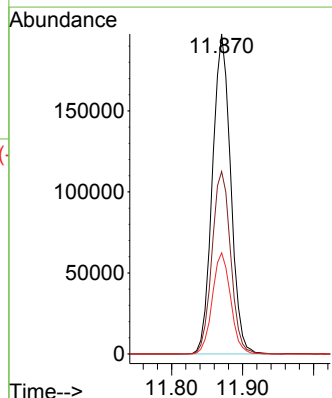
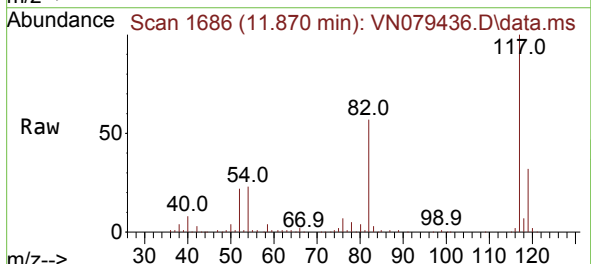
Instrument :
MSVOA_N
ClientSampleId :

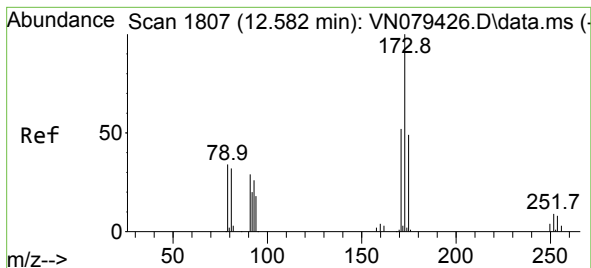
Tgt Ion: 95 Resp: 136071
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 74.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

Tgt Ion: 117 Resp: 351961
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 31.6 25.6 38.4





#71

Bromoform

Concen: 0.614 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

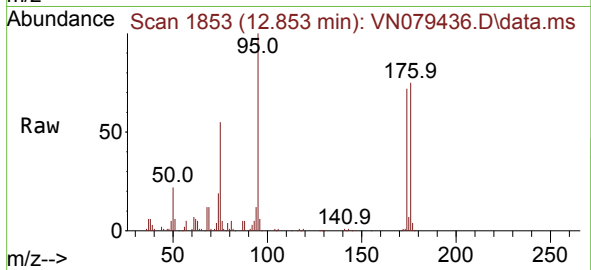
Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

Instrument :

MSVOA_N

ClientSampleId :



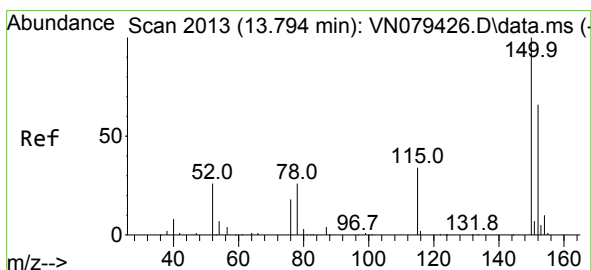
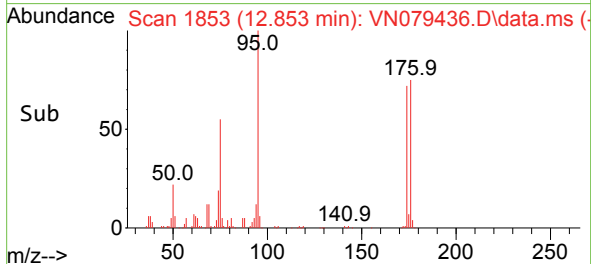
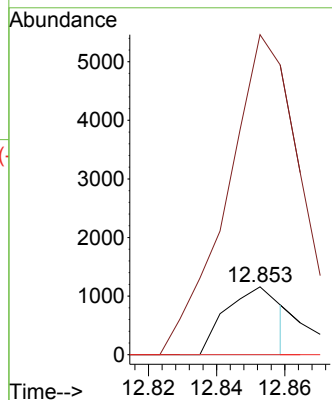
Tgt Ion:173 Resp: 1290

Ion Ratio Lower Upper

173 100

175 499.9 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# 2014

Delta R.T. 0.006 min

Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

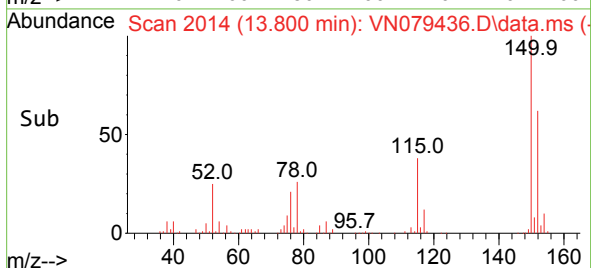
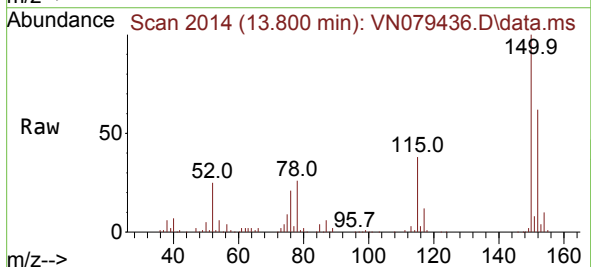
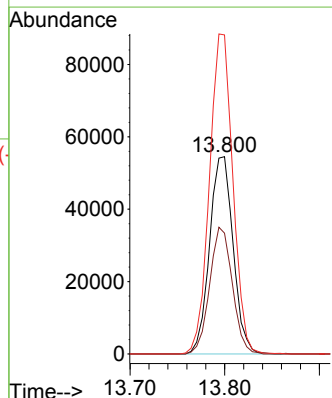
Tgt Ion:152 Resp: 94388

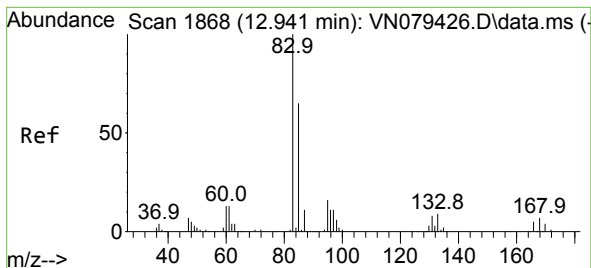
Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 160.7 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN079436.D

Acq: 06 Oct 2023 10:21

Instrument :

MSVOA_N

ClientSampleId :

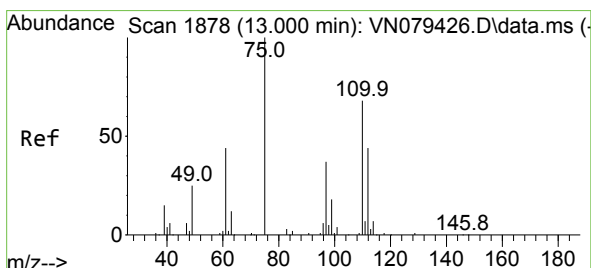
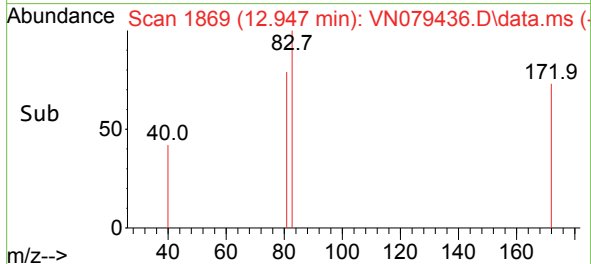
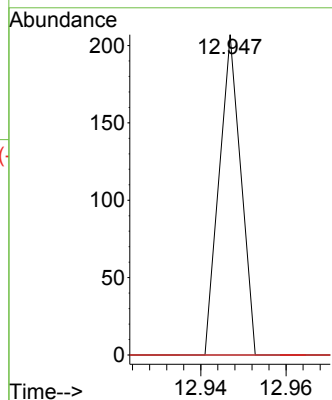
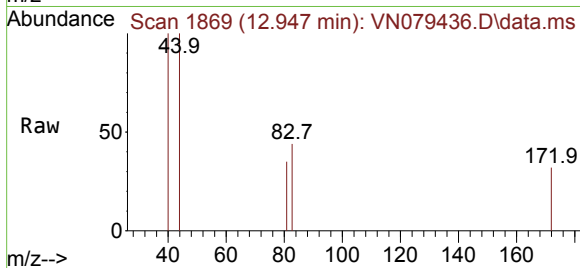
Tgt Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 28.232 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079436.D

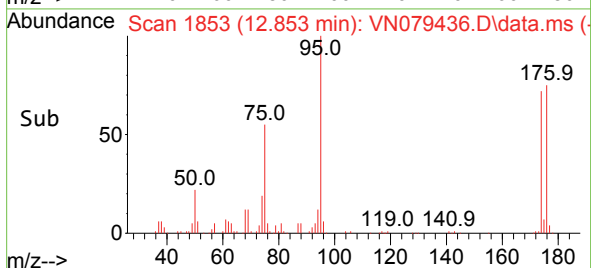
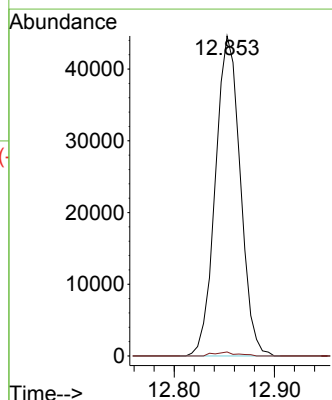
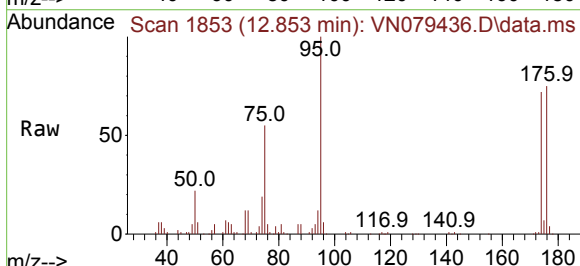
Acq: 06 Oct 2023 10:21

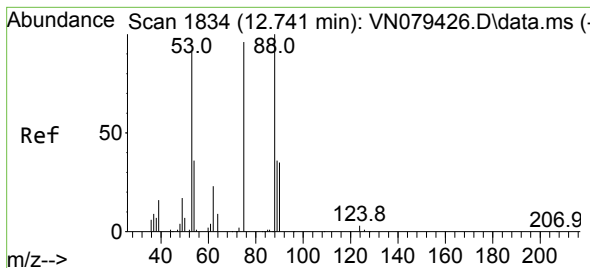
Tgt Ion: 75 Resp: 76833

Ion Ratio Lower Upper

75 100

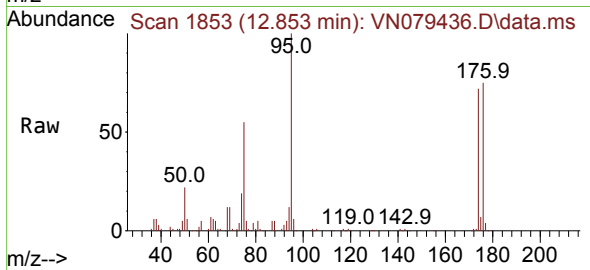
77 1.2 84.5 253.5#



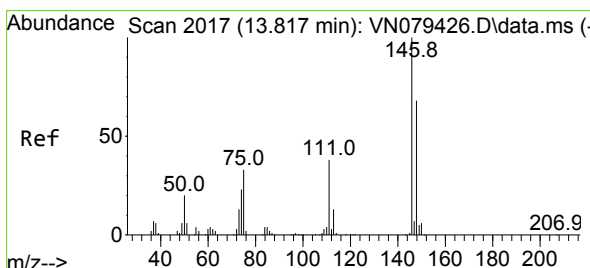
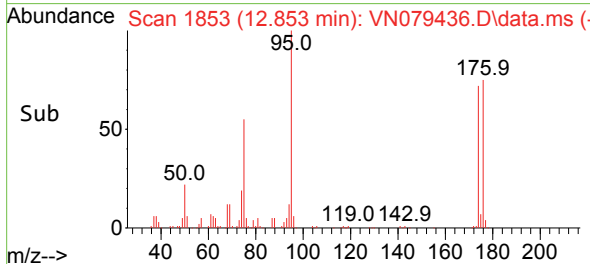
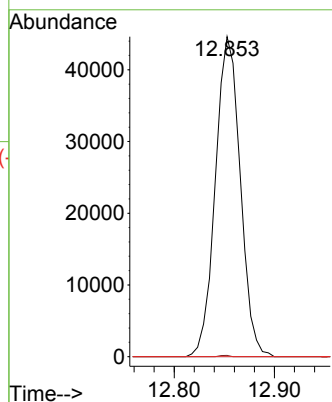


#81
trans-1,4-Dichloro-2-butene
Concen: 81.917 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

Instrument :
MSVOA_N
ClientSampleId :

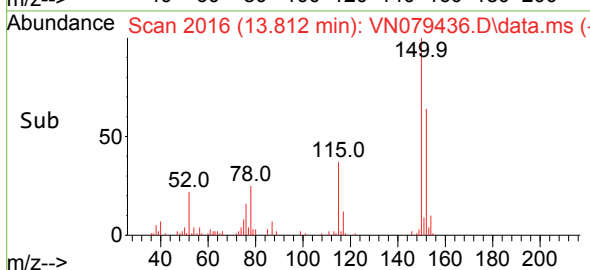
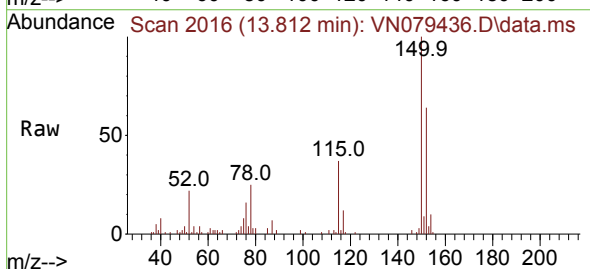
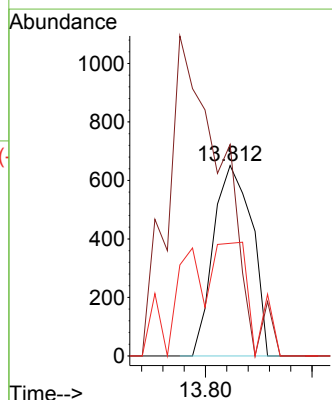


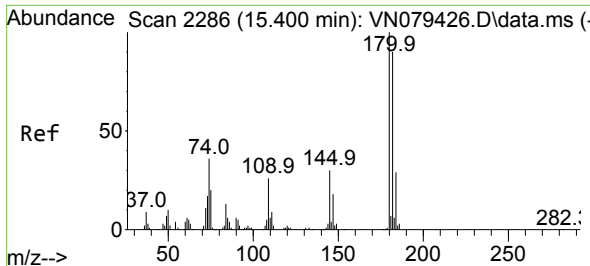
Tgt Ion: 75 Resp: 76833
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#



#88
1,4-Dichlorobenzene
Concen: 0.232 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

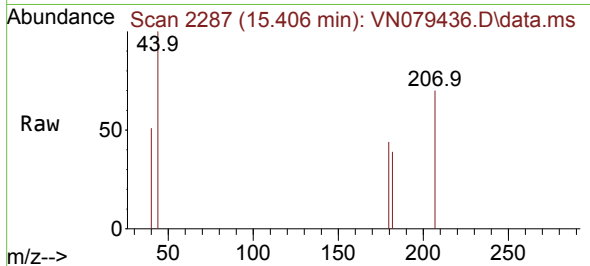
Tgt Ion: 146 Resp: 817
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 59.0 31.6 94.8



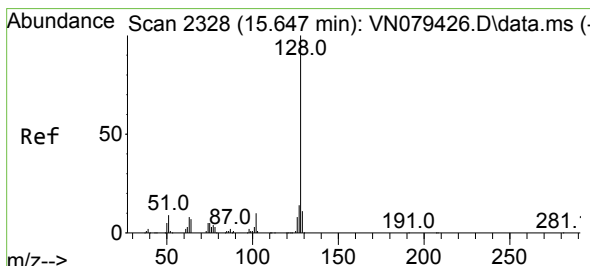
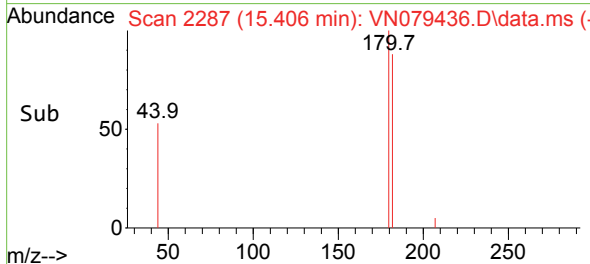
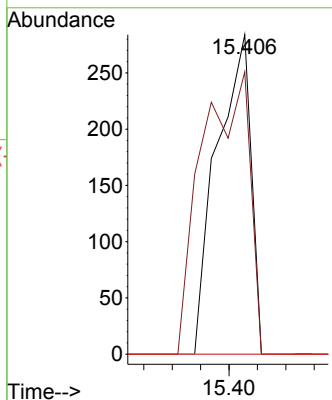


#93
1,2,4-Trichlorobenzene
Concen: 0.229 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

Instrument :
MSVOA_N
ClientSampleId :

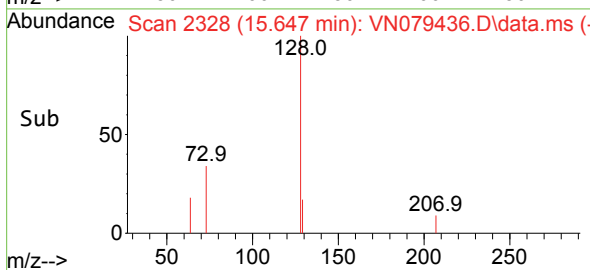
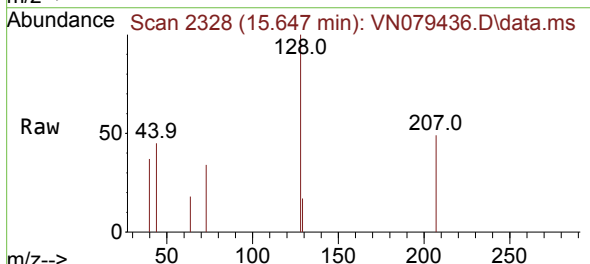
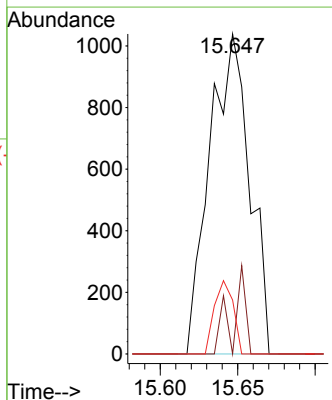


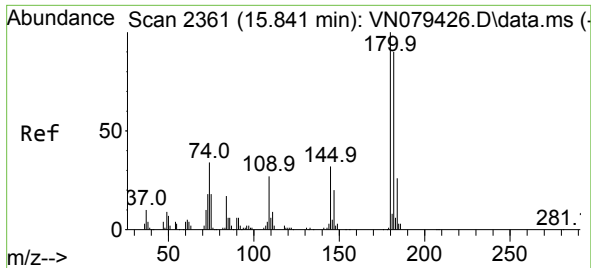
Tgt Ion:180 Resp: 236
Ion Ratio Lower Upper
180 100
182 123.7 46.1 138.2
145 0.0 16.6 49.8#



#95
Naphthalene
Concen: 0.591 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079436.D
Acq: 06 Oct 2023 10:21

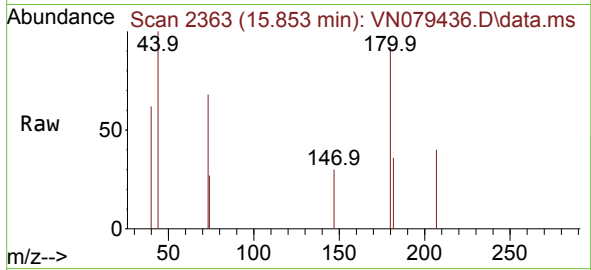
Tgt Ion:128 Resp: 1862
Ion Ratio Lower Upper
128 100
127 9.0 10.0 15.0#
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.494 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN079436.D
 Acq: 06 Oct 2023 10:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	46.2	138.6
145	0.0	17.5	52.6#

