

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103123\
 Data File : VN079737.D
 Acq On : 31 Oct 2023 12:13
 Operator : JC\MD
 Sample : VN1031WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:16:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

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

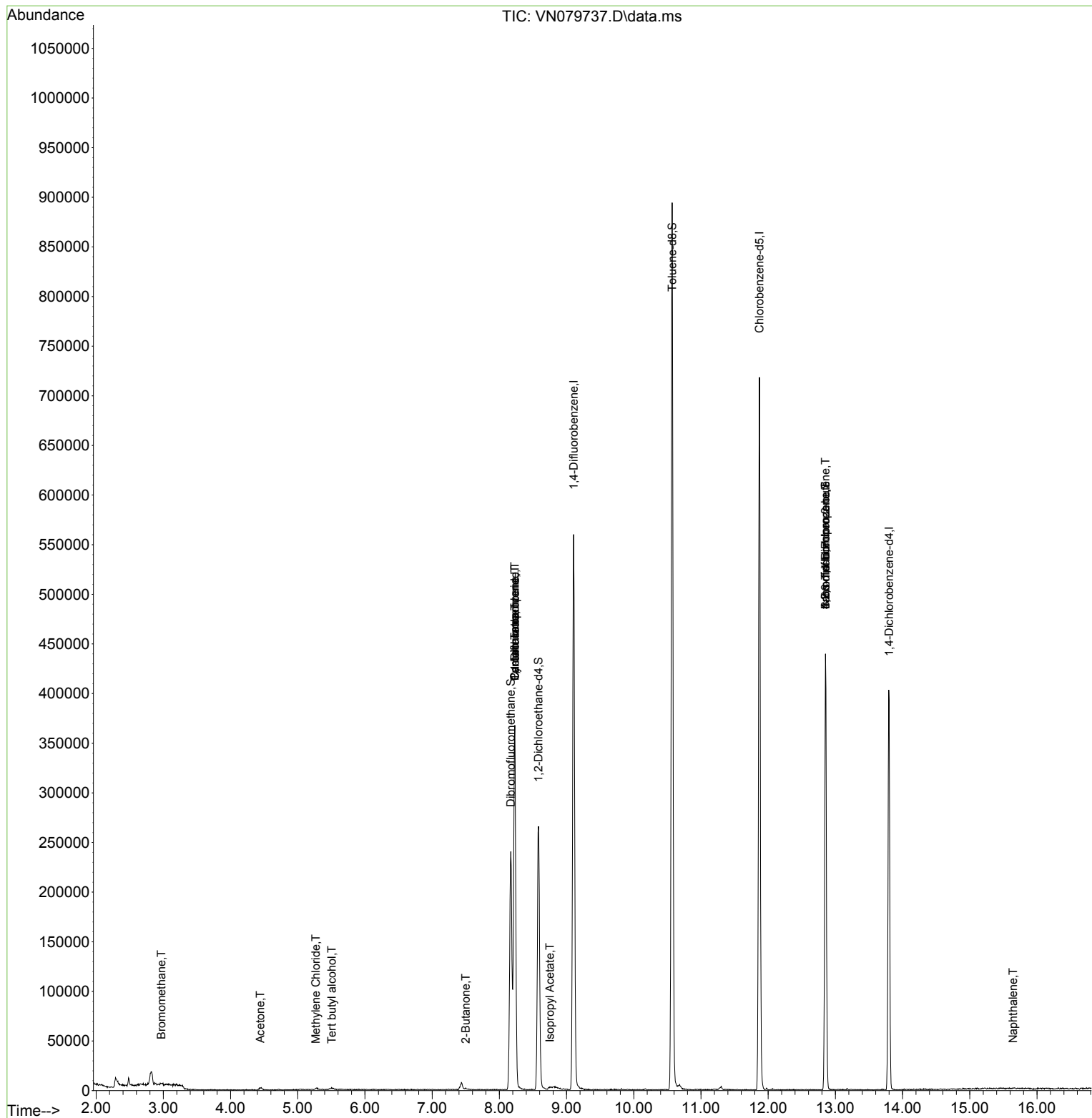
Internal Standards						
1) Pentafluorobenzene	8.230	168	258079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	469345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	408308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	104294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218729	52.776	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.560%	
35) Dibromofluoromethane	8.171	113	171978	51.280	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	10.571	98	593319	47.457	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.920%	
62) 4-Bromofluorobenzene	12.853	95	147349	37.426	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 74.860%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	771	0.264	ug/l #	57
11) Tert butyl alcohol	5.506	59	1633	2.971	ug/l #	72
16) Acetone	4.442	43	4863	2.743	ug/l	99
20) Methylene Chloride	5.271	84	1180	0.336	ug/l #	35
25) 2-Butanone	7.500	43	2449	1.006	ug/l #	37
31) Cyclohexane	8.230	56	7126	1.260	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	24385	4.901	ug/l #	46
38) Carbon Tetrachloride	8.230	117	27796	5.602	ug/l #	16
43) Isopropyl Acetate	8.753	43	2416	0.306	ug/l #	49
71) Bromoform	12.853	173	1327	0.552	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	82537	29.144	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82537	87.913	ug/l #	15
95) Naphthalene	15.647	128	827	0.261	ug/l #	70

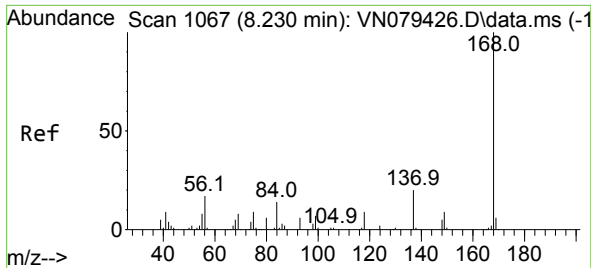
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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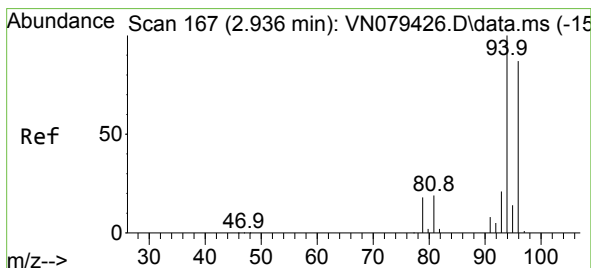
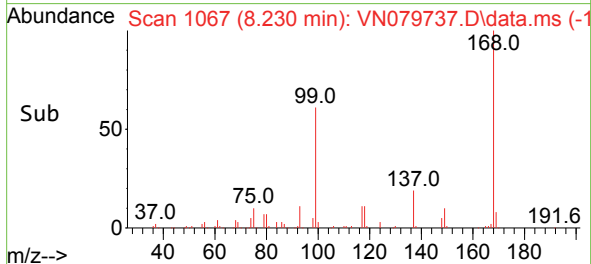
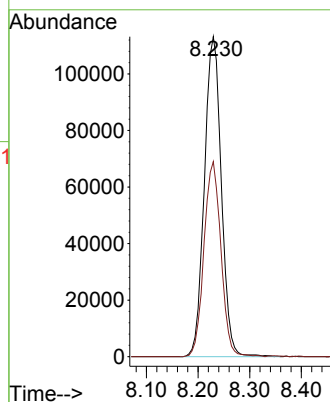
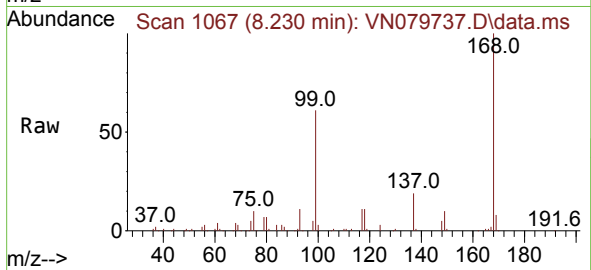




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

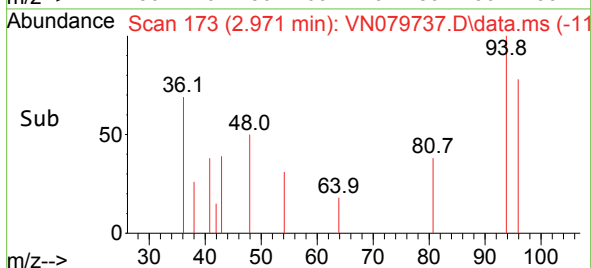
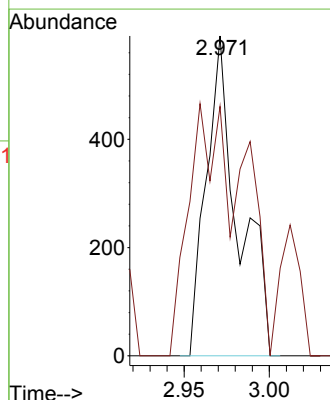
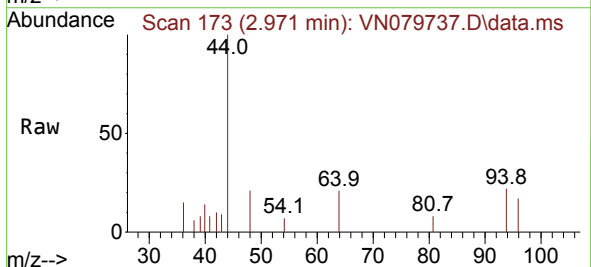
Instrument :
MSVOA_N
ClientSampleId :

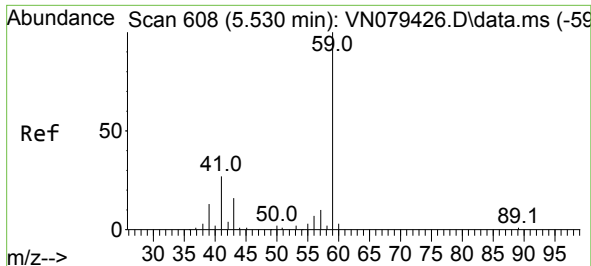
Tgt Ion:168 Resp: 258079
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.035 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

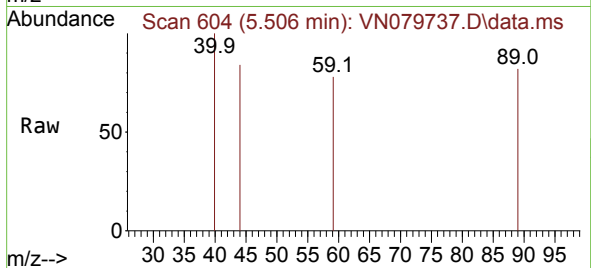
Tgt Ion: 94 Resp: 771
Ion Ratio Lower Upper
94 100
96 50.6 73.1 109.7#



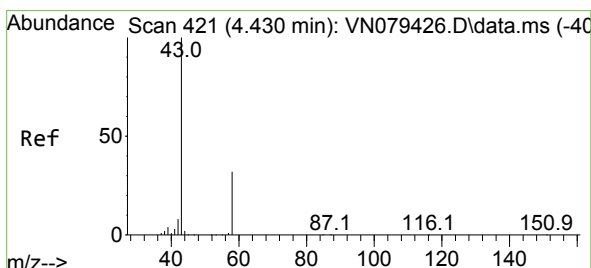
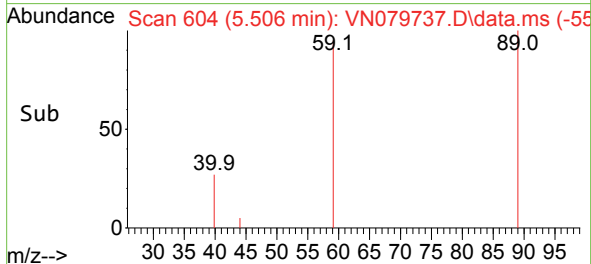
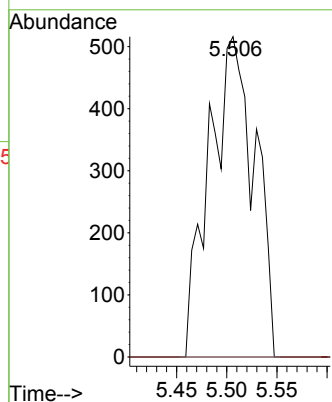


#11
Tert butyl alcohol
Concen: 2.971 ug/l
RT: 5.506 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

Instrument :
MSVOA_N
ClientSampleId :

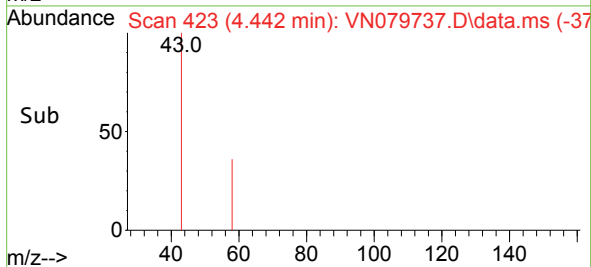
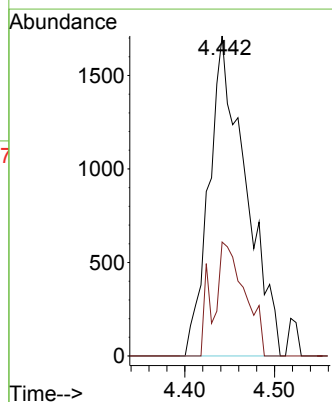
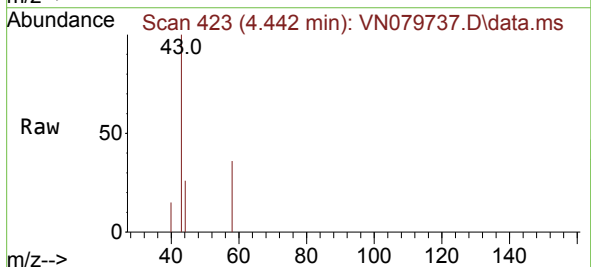


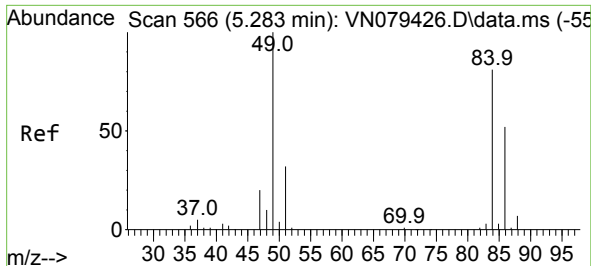
Tgt Ion: 59 Resp: 1633
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.743 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

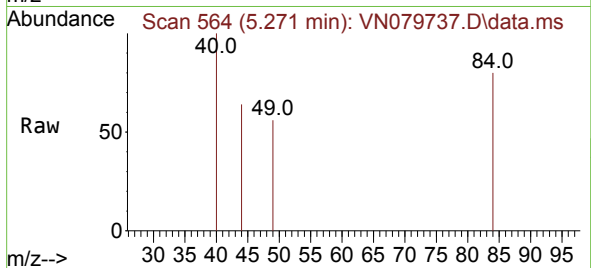
Tgt Ion: 43 Resp: 4863
Ion Ratio Lower Upper
43 100
58 35.6 28.0 42.0





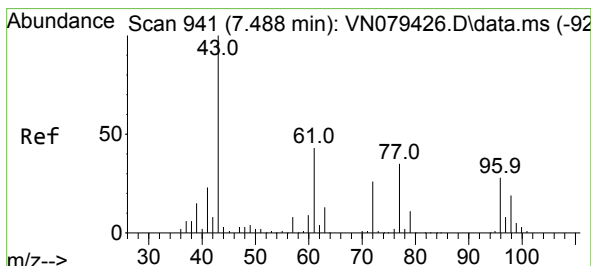
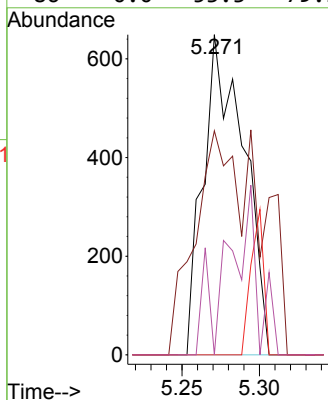
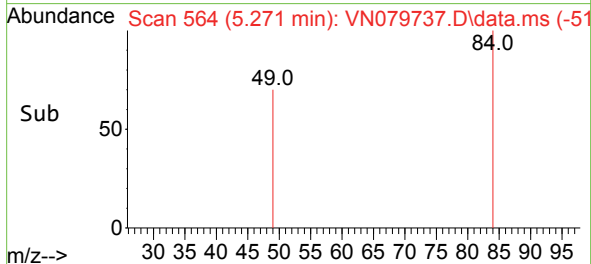
#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1180

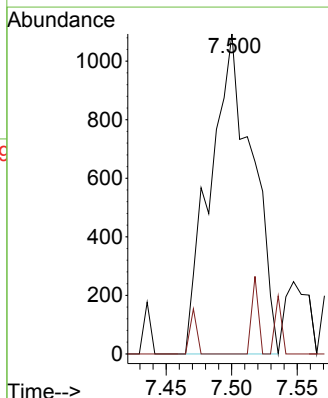
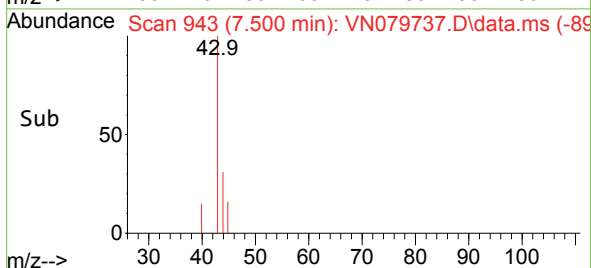
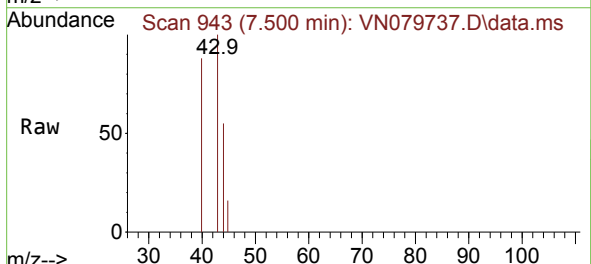
Ion	Ratio	Lower	Upper
84	100		
49	43.9	79.7	119.5#
51	0.0	25.2	37.8#
86	0.0	53.3	79.9#

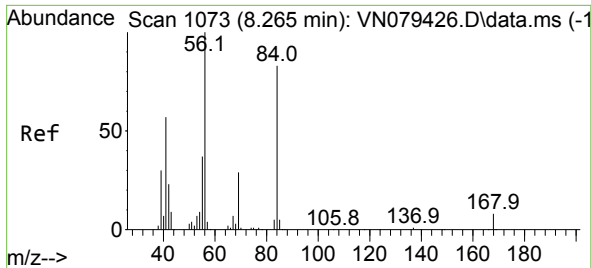


#25
2-Butanone
Concen: 1.006 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

Tgt Ion: 43 Resp: 2449

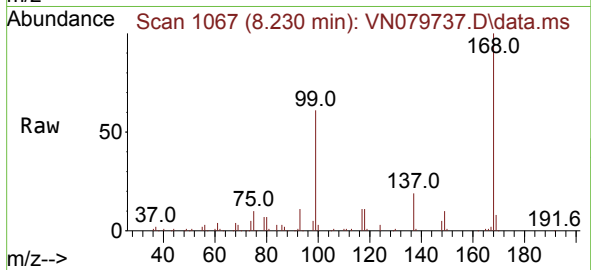
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#



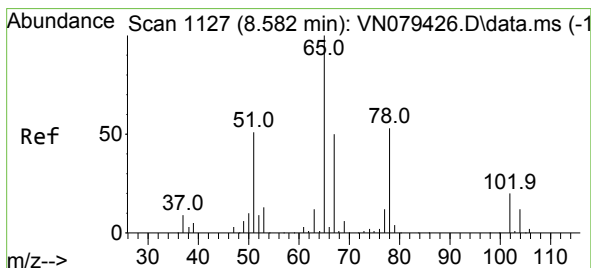
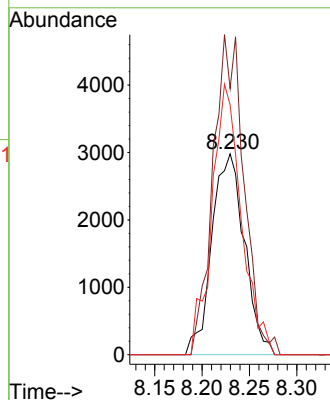
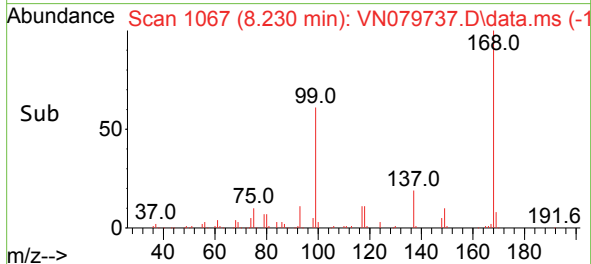


#31
Cyclohexane
Concen: 1.260 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

Instrument :
MSVOA_N
ClientSampleId :

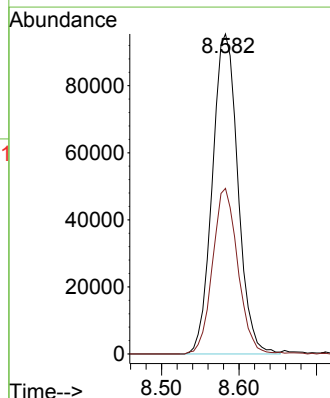
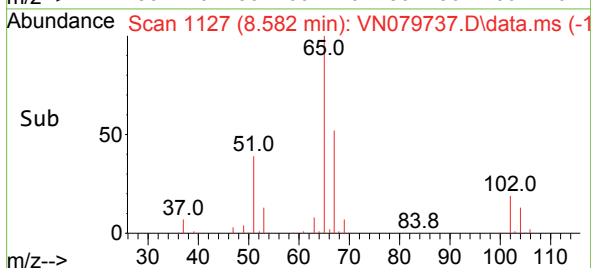
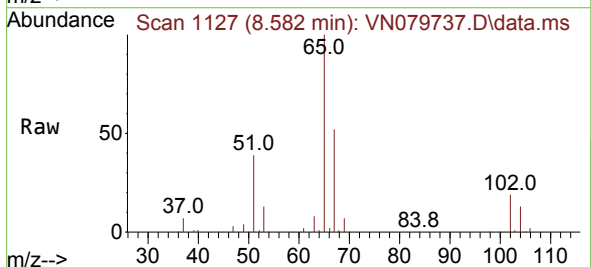


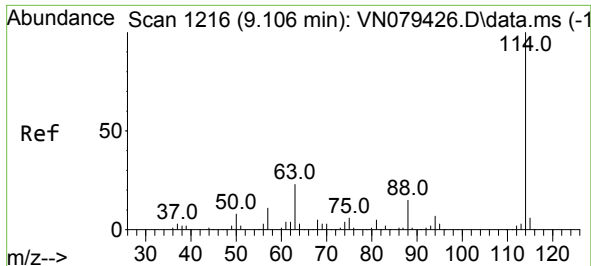
Tgt Ion: 56 Resp: 7126
Ion Ratio Lower Upper
56 100
69 132.6 26.8 40.2#
84 124.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.776 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

Tgt Ion: 65 Resp: 218729
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079737.D

Acq: 31 Oct 2023 12:13

Instrument :

MSVOA_N

ClientSampleId :

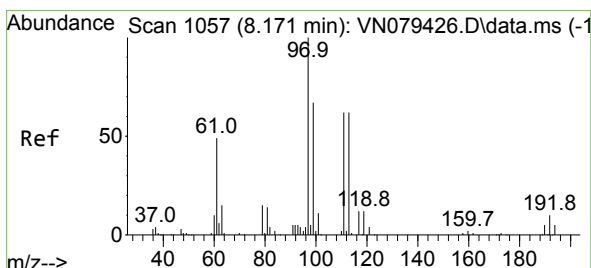
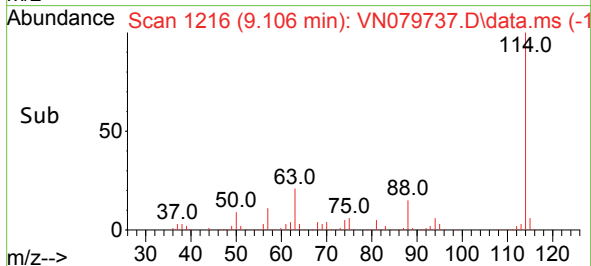
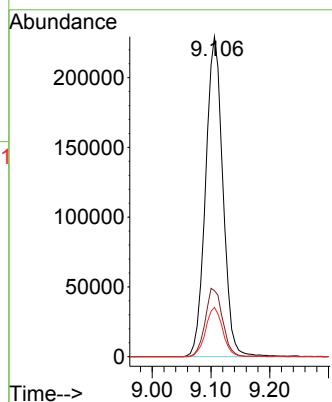
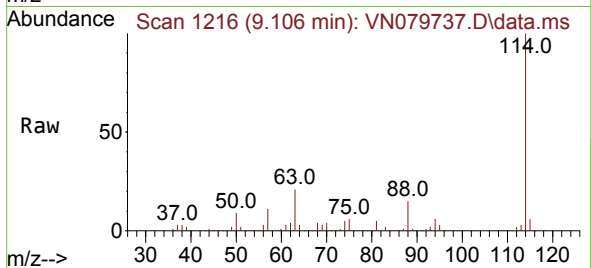
Tgt Ion:114 Resp: 469345

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.280 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079737.D

Acq: 31 Oct 2023 12:13

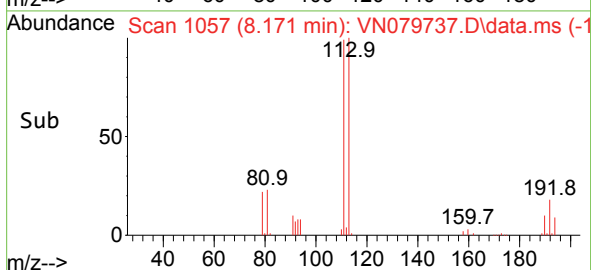
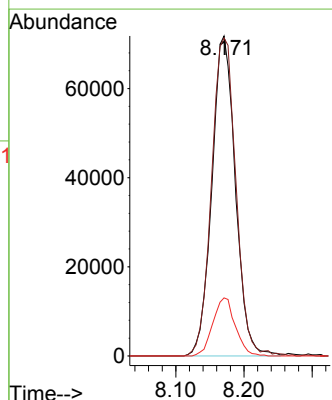
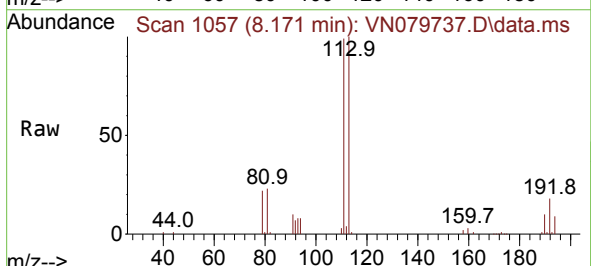
Tgt Ion:113 Resp: 171978

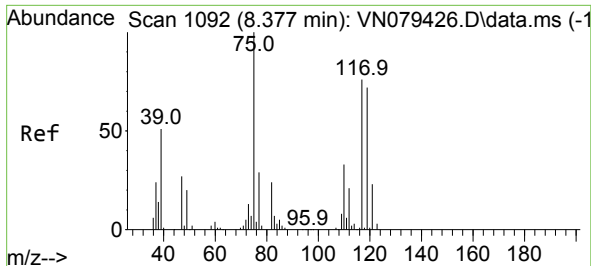
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 17.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.901 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

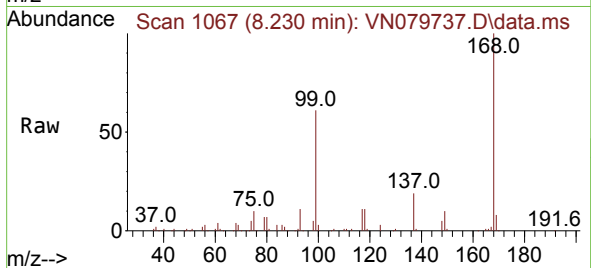
Lab File: VN079737.D

Acq: 31 Oct 2023 12:13

Instrument :

MSVOA_N

ClientSampleId :



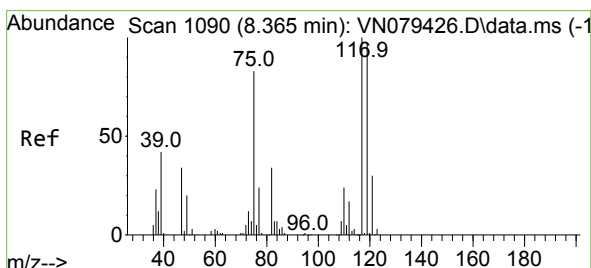
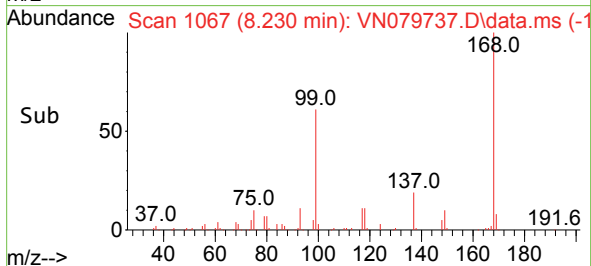
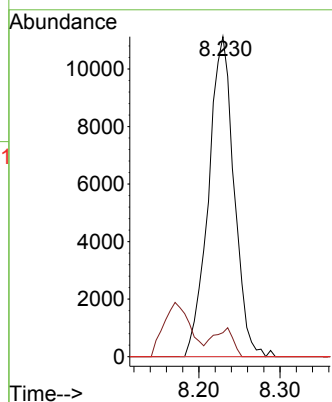
Tgt Ion: 75 Resp: 24385

Ion Ratio Lower Upper

75 100

110 7.0 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.602 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN079737.D

Acq: 31 Oct 2023 12:13

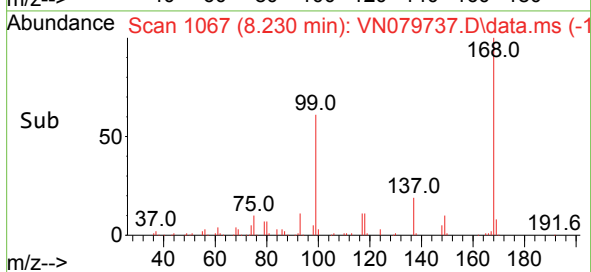
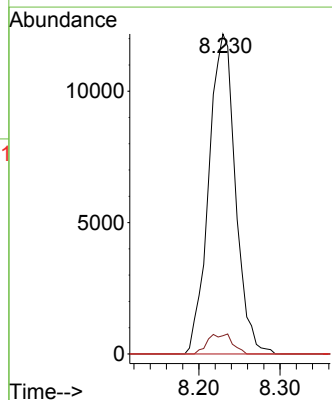
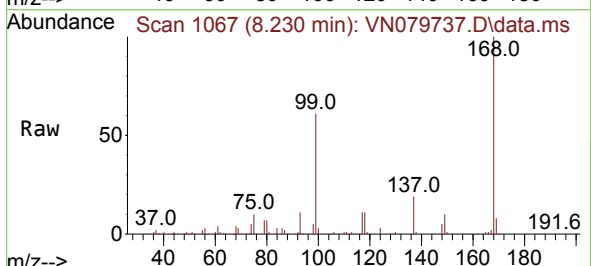
Tgt Ion: 117 Resp: 27796

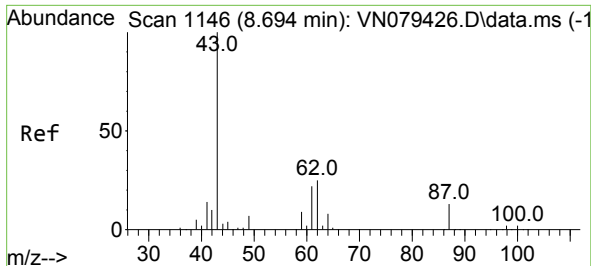
Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#

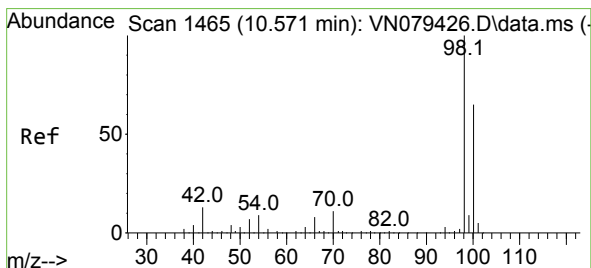
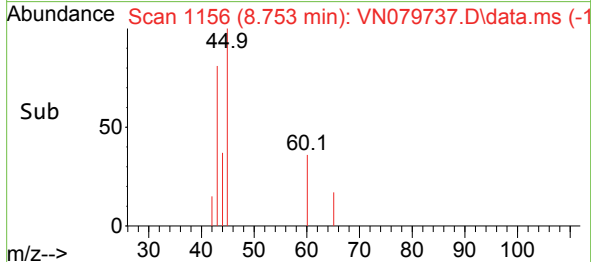
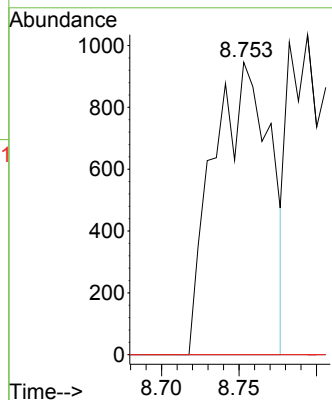
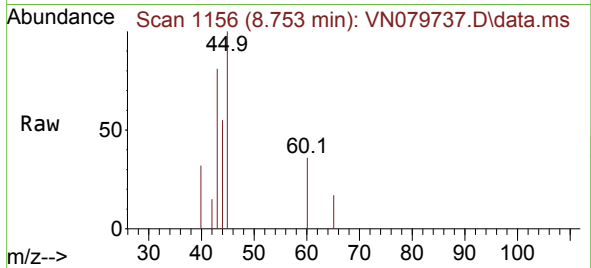




#43
Isopropyl Acetate
Concen: 0.306 ug/l
RT: 8.753 min Scan# 1146
Delta R.T. 0.059 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

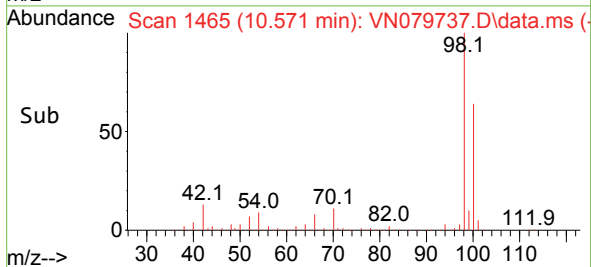
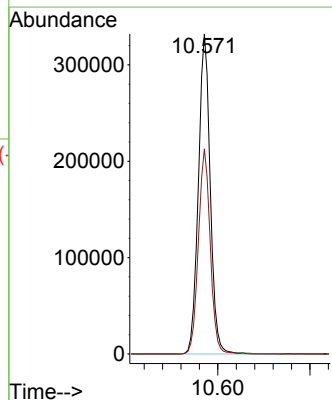
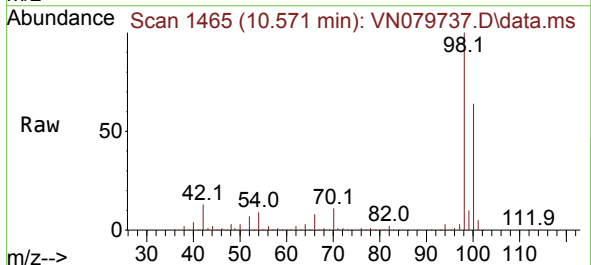
Instrument :
MSVOA_N
ClientSampleId :

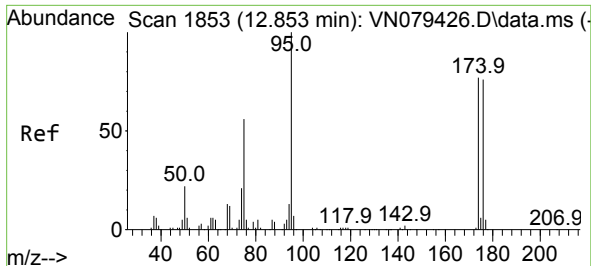
Tgt Ion: 43 Resp: 2416
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.457 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

Tgt Ion: 98 Resp: 593319
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

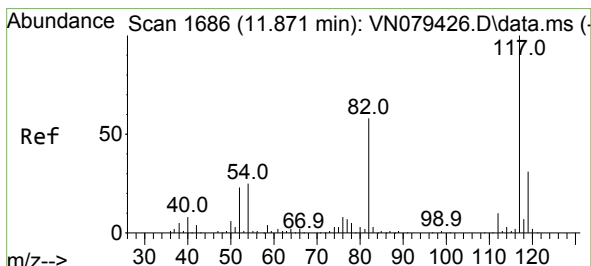
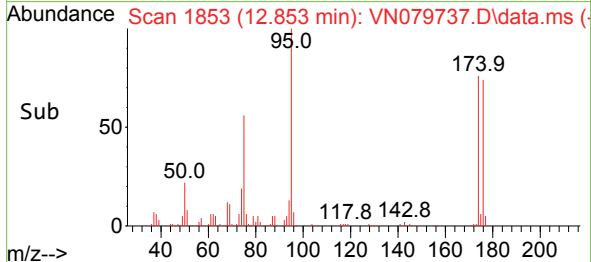
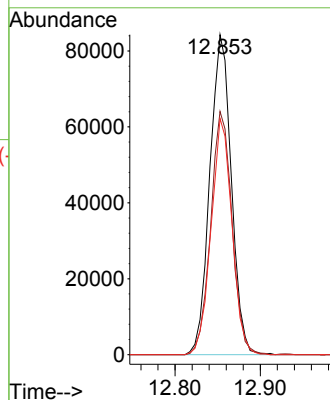
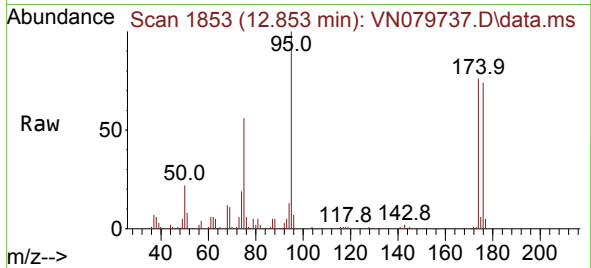




#62
4-Bromofluorobenzene
Concen: 37.426 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

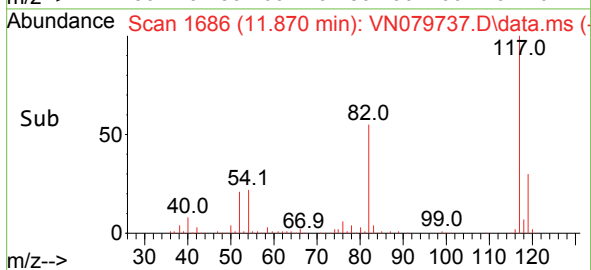
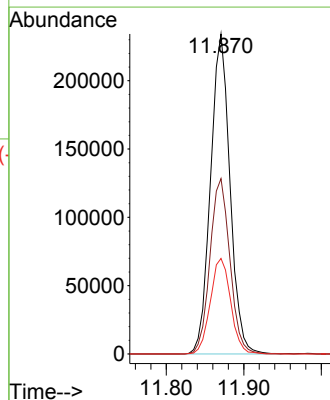
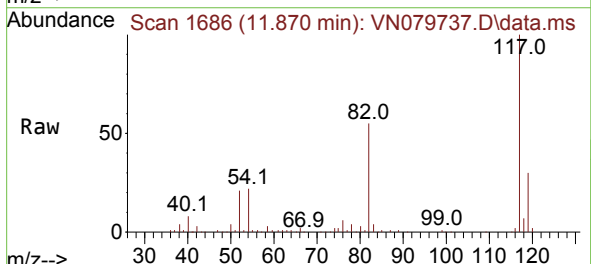
Instrument :
MSVOA_N
ClientSampleId :

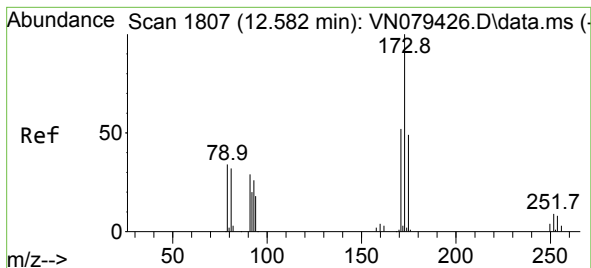
Tgt Ion: 95 Resp: 147349
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 71.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079737.D
Acq: 31 Oct 2023 12:13

Tgt Ion: 117 Resp: 408308
Ion Ratio Lower Upper
117 100
82 54.8 44.0 66.0
119 29.9 25.6 38.4





#71

Bromoform

Concen: 0.552 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

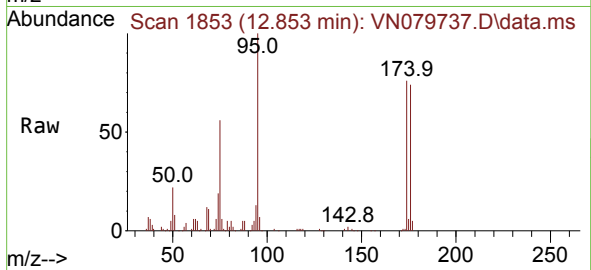
Lab File: VN079737.D

Acq: 31 Oct 2023 12:13

Instrument :

MSVOA_N

ClientSampleId :



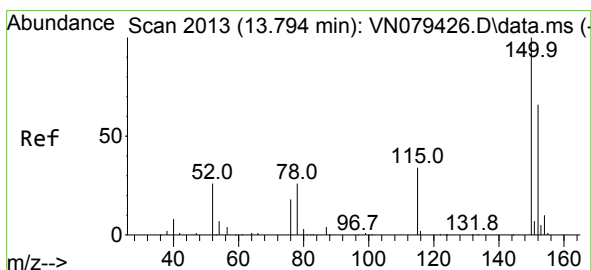
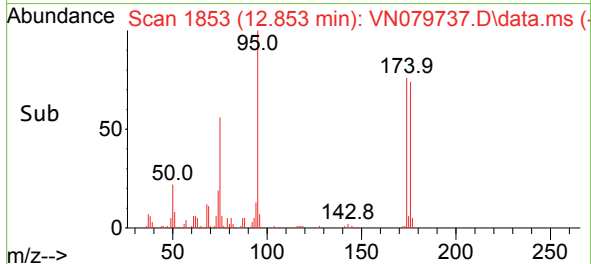
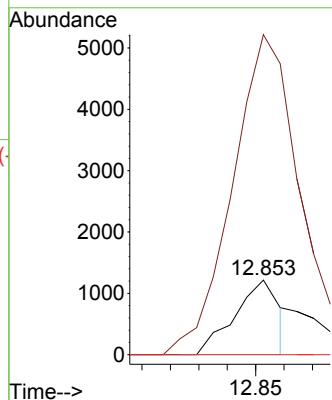
Tgt Ion:173 Resp: 1327

Ion Ratio Lower Upper

173 100

175 494.1 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: VN079737.D

Acq: 31 Oct 2023 12:13

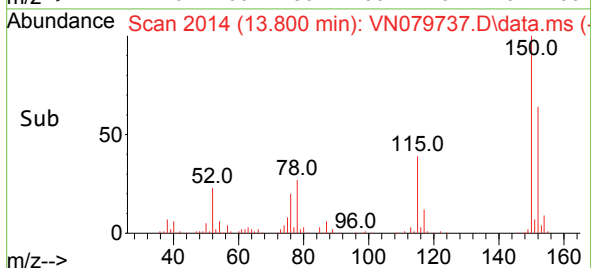
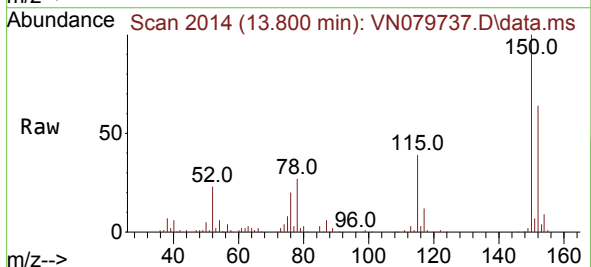
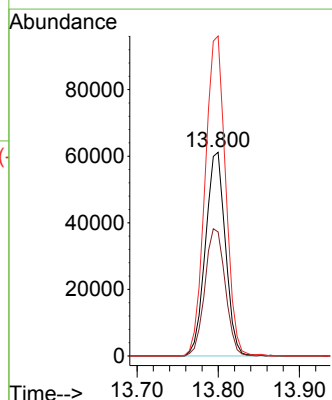
Tgt Ion:152 Resp: 104294

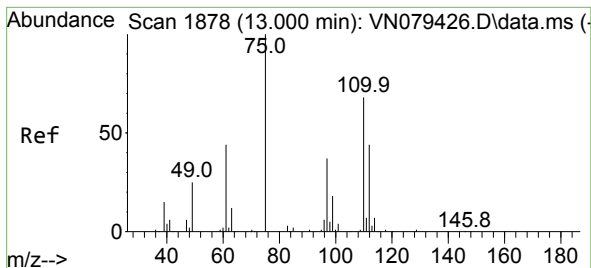
Ion Ratio Lower Upper

152 100

115 63.7 32.3 96.8

150 161.2 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 29.144 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079737.D

Acq: 31 Oct 2023 12:13

Instrument :

MSVOA_N

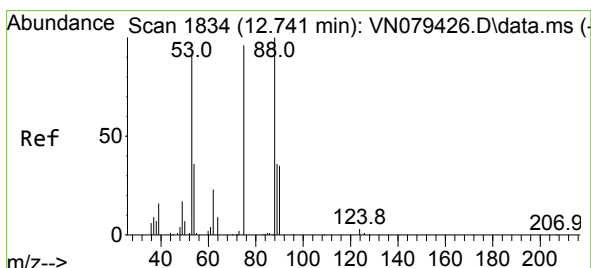
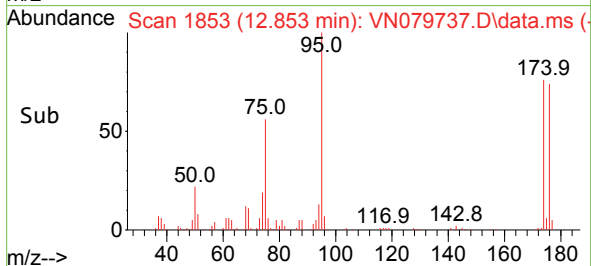
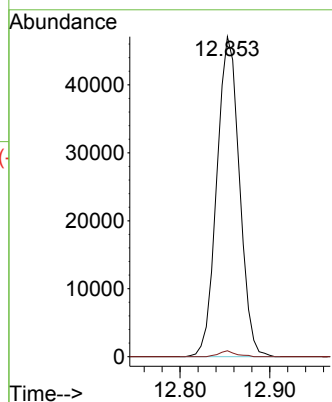
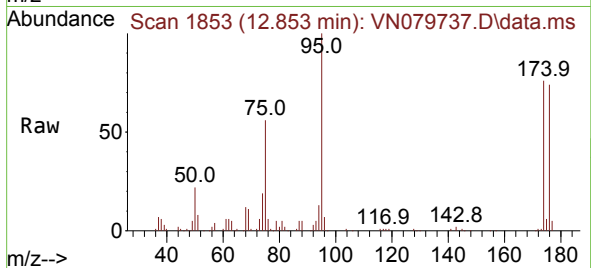
ClientSampleId :

Tgt Ion: 75 Resp: 82537

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.913 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079737.D

Acq: 31 Oct 2023 12:13

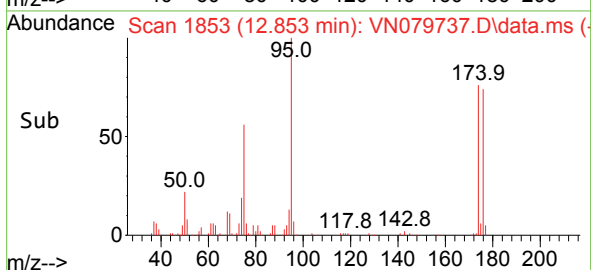
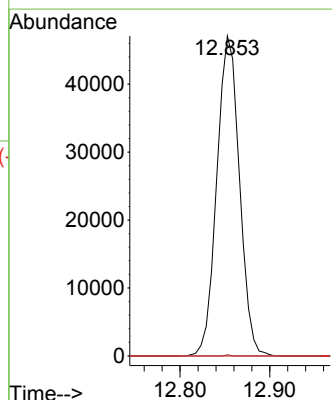
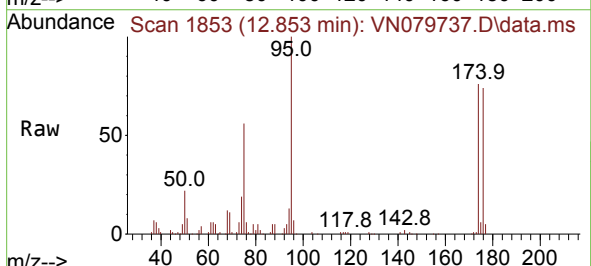
Tgt Ion: 75 Resp: 82537

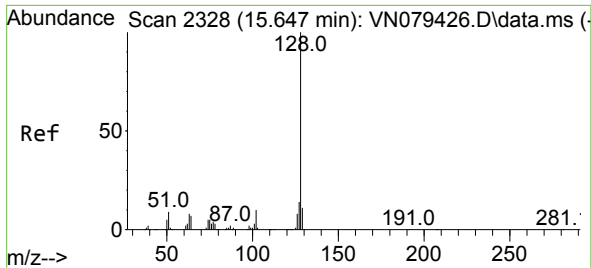
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 0.261 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

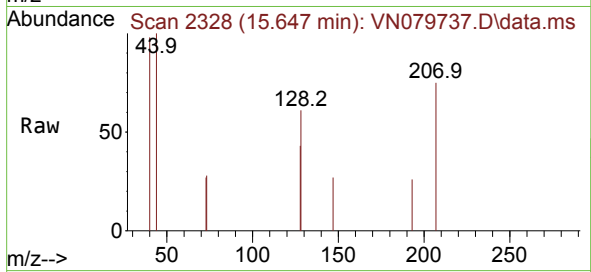
Lab File: VN079737.D

Acq: 31 Oct 2023 12:13

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 827

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

