

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082523\
 Data File : VN079046.D
 Acq On : 25 Aug 2023 11:15
 Operator : JC\MD
 Sample : VN0825MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 23:01:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

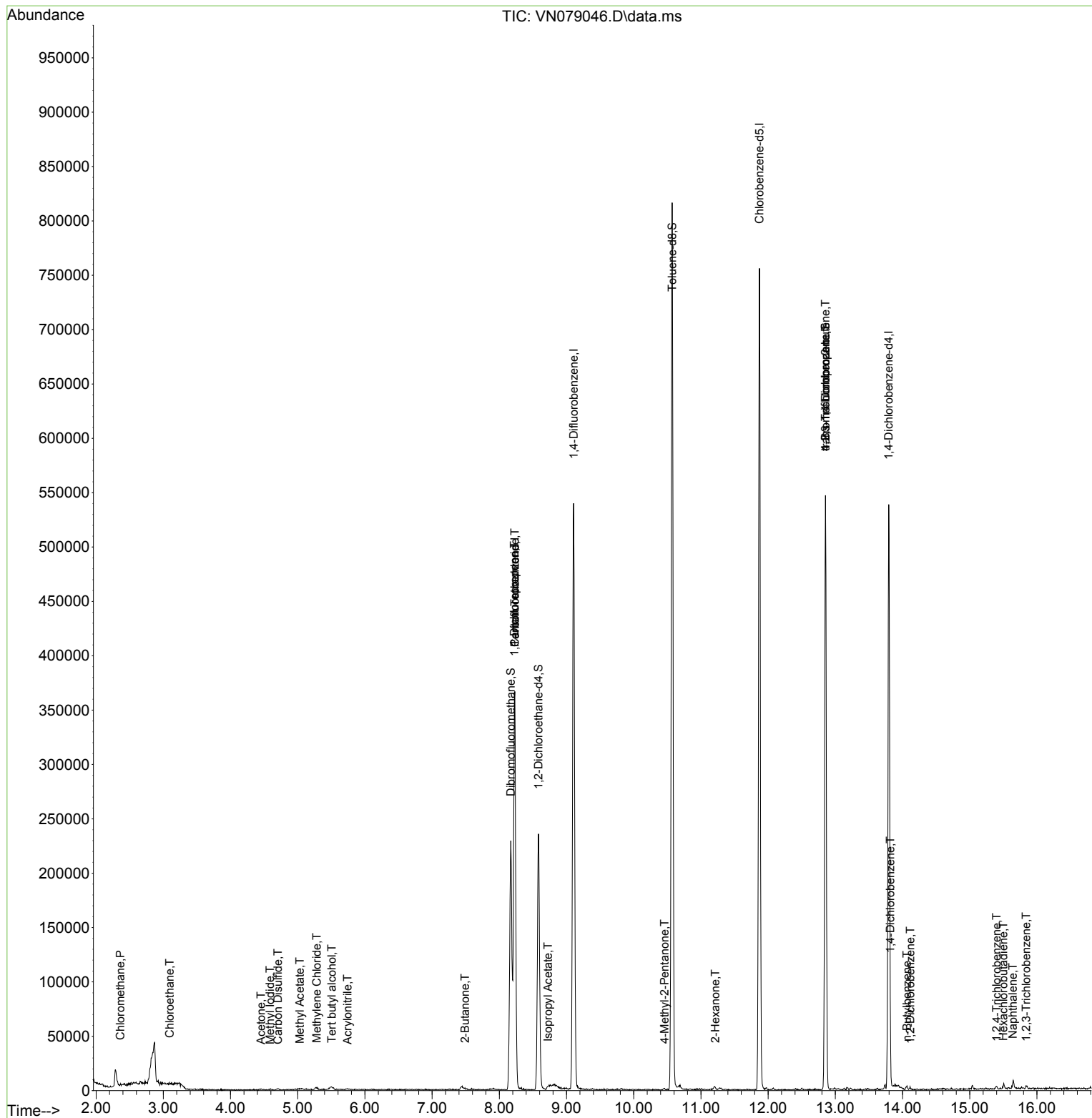
Internal Standards						
1) Pentafluorobenzene	8.230	168	261281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	465549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	423842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	183937	45.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.480%		
35) Dibromofluoromethane	8.171	113	157361	50.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.420%		
50) Toluene-d8	10.571	98	558154	47.967	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.940%		
62) 4-Bromofluorobenzene	12.853	95	178965	47.054	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.100%		
Target Compounds					Qvalue	
3) Chloromethane	2.360	50	1082	0.214	ug/l #	82
6) Chloroethane	3.095	64	903	0.291	ug/l #	43
10) Methyl Iodide	4.589	142	1217	0.378	ug/l #	80
11) Tert butyl alcohol	5.506	59	2600	3.811	ug/l #	72
15) Acrylonitrile	5.742	53	427	0.231	ug/l #	72
16) Acetone	4.453	43	601	0.358	ug/l	98
17) Carbon Disulfide	4.706	76	1848	0.235	ug/l #	75
18) Methyl Acetate	5.030	43	2118	0.299	ug/l #	53
20) Methylene Chloride	5.283	84	1096	0.307	ug/l #	79
25) 2-Butanone	7.489	43	1067	0.397	ug/l #	82
31) Cyclohexane	8.224	56	6451	Below Cal	#	33
36) 1,1-Dichloropropene	8.224	75	22845	4.846	ug/l #	48
38) Carbon Tetrachloride	8.230	117	26281	5.564	ug/l #	18
43) Isopropyl Acetate	8.724	43	2317	0.249	ug/l #	49
51) 4-Methyl-2-Pentanone	10.459	43	1309	0.237	ug/l #	31
59) 2-Hexanone	11.212	43	1989	0.497	ug/l	99
76) 1,2,3-Trichloropropane	12.853	75	96955	29.100	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	96955	74.339	ug/l #	15
88) 1,4-Dichlorobenzene	13.818	146	1156	0.242	ug/l #	25
89) n-Butylbenzene	14.065	91	2194	0.316	ug/l	94
91) 1,2-Dichlorobenzene	14.118	146	996	0.210	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.735	75	136	Below Cal	#	49
93) 1,2,4-Trichlorobenzene	15.400	180	1033	0.614	ug/l #	71
94) Hexachlorobutadiene	15.500	225	1090	0.897	ug/l #	55
95) Naphthalene	15.641	128	6271	3.508	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.841	180	1333	0.724	ug/l	93

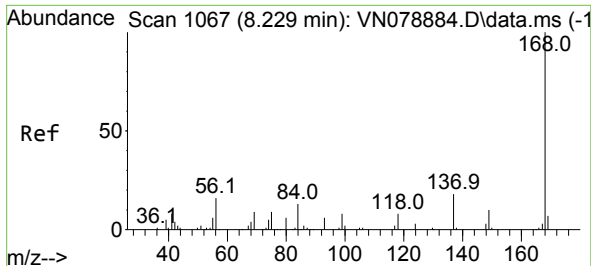
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082523\
Data File : VN079046.D
Acq On : 25 Aug 2023 11:15
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Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

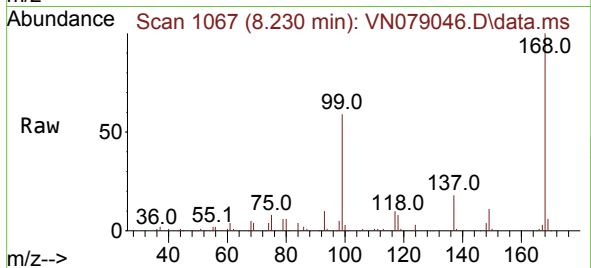
Quant Time: Aug 25 23:01:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
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QLast Update : Wed Aug 16 02:42:02 2023
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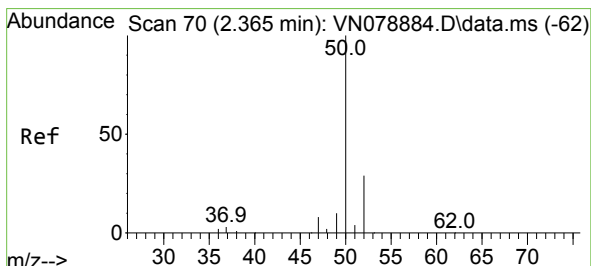
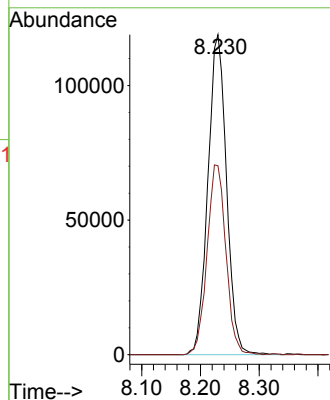
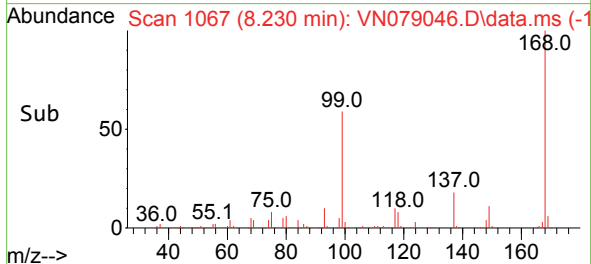


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Instrument :
MSVOA_N
ClientSampleId :

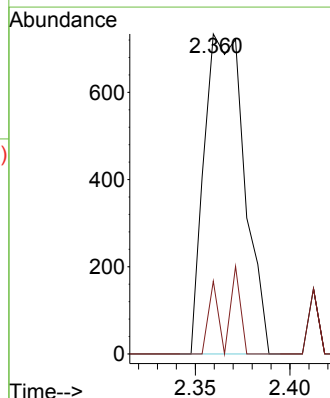
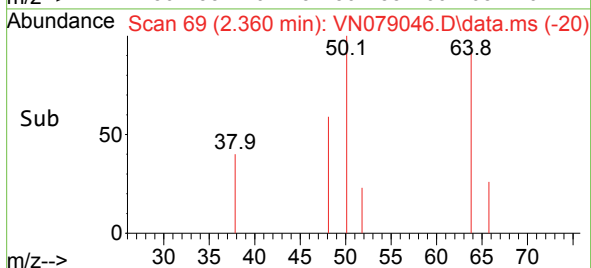
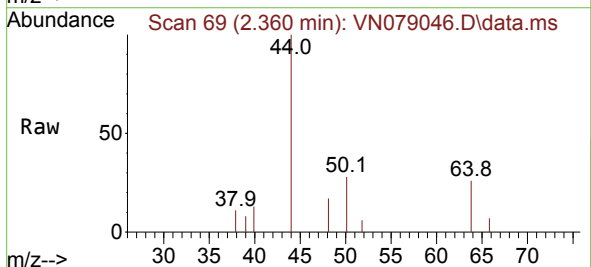


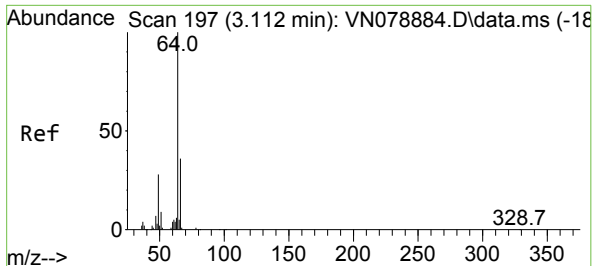
Tgt Ion:168 Resp: 261281
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.011 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion: 50 Resp: 1082
Ion Ratio Lower Upper
50 100
52 22.8 26.5 39.7#

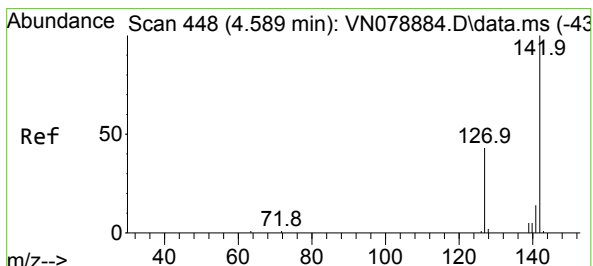
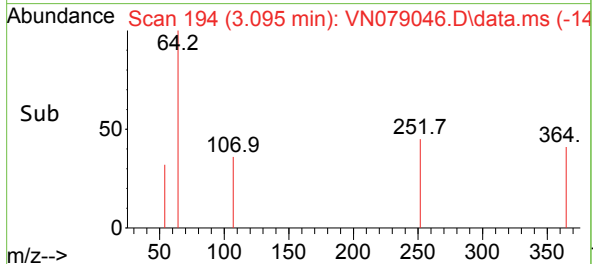
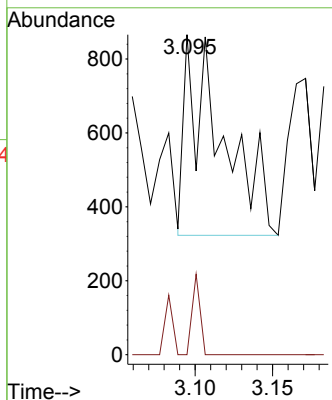
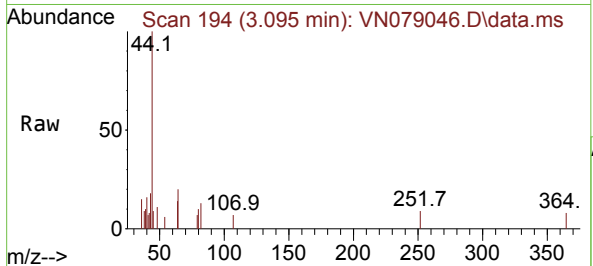




#6
Chloroethane
Concen: 0.291 ug/l
RT: 3.095 min Scan# 197
Delta R.T. -0.023 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

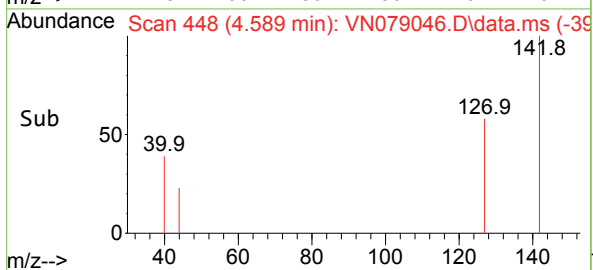
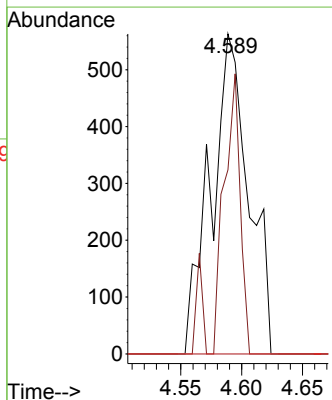
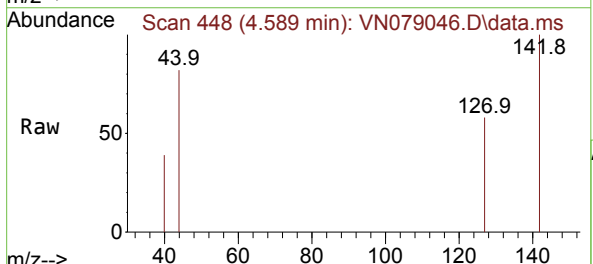
Instrument :
MSVOA_N
ClientSampleId :

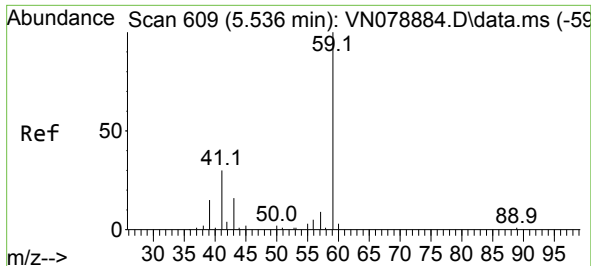
Tgt Ion: 64 Resp: 903
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.378 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.011 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion: 142 Resp: 1217
Ion Ratio Lower Upper
142 100
127 57.5 37.6 56.4#
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 3.811 ug/l

RT: 5.506 min Scan# 609

Delta R.T. -0.036 min

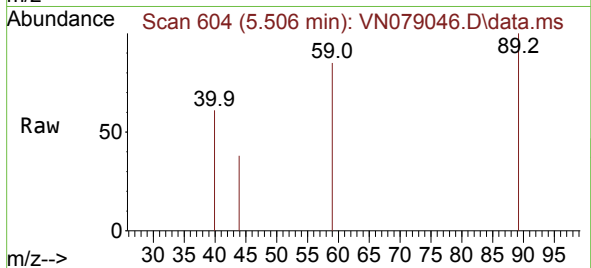
Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

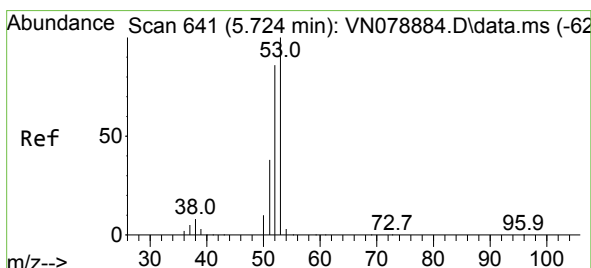
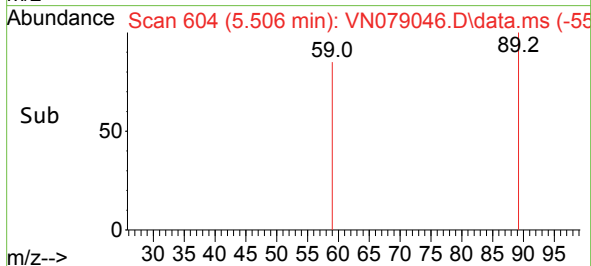
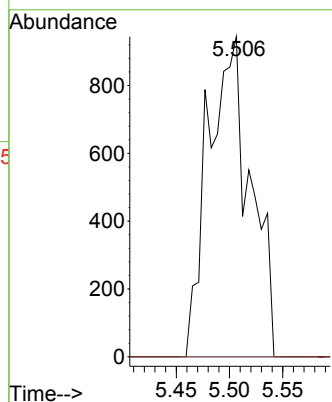


Tgt Ion: 59 Resp: 2600

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#15

Acrylonitrile

Concen: 0.231 ug/l

RT: 5.742 min Scan# 644

Delta R.T. 0.012 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

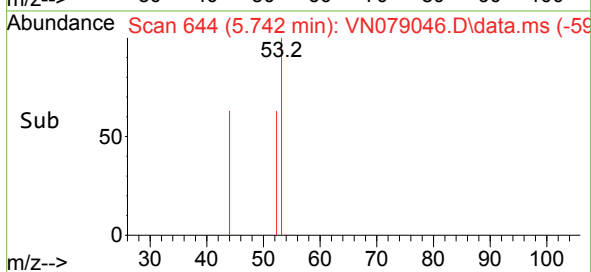
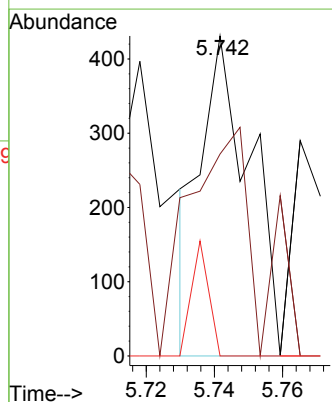
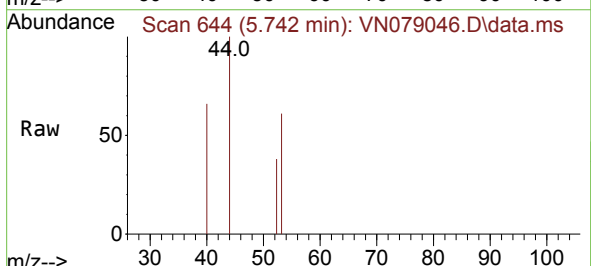
Tgt Ion: 53 Resp: 427

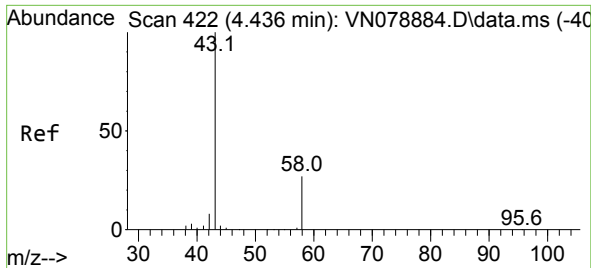
Ion Ratio Lower Upper

53 100

52 101.9 65.3 97.9#

51 12.9 28.9 43.3#





#16

Acetone

Concen: 0.358 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

Instrument :

MSVOA_N

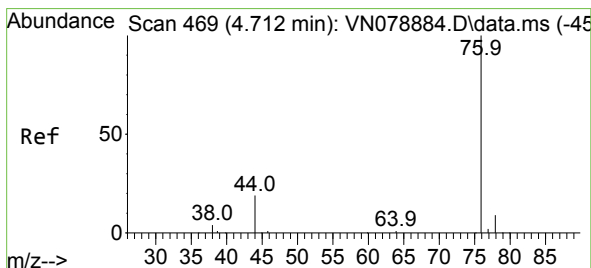
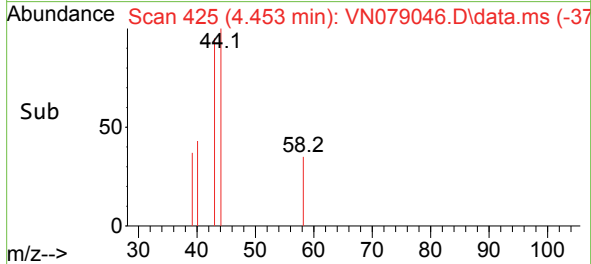
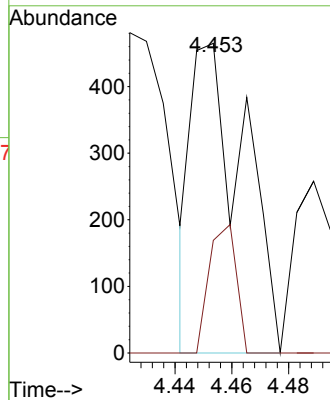
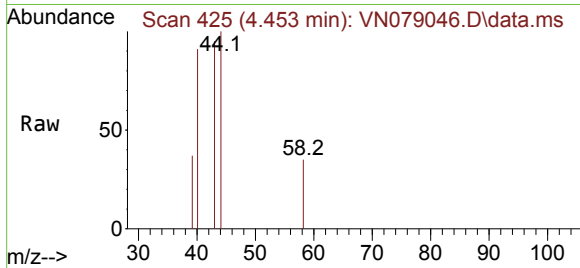
ClientSampleId :

Tgt Ion: 43 Resp: 601

Ion Ratio Lower Upper

43 100

58 36.3 28.0 42.0



#17

Carbon Disulfide

Concen: 0.235 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.018 min

Lab File: VN079046.D

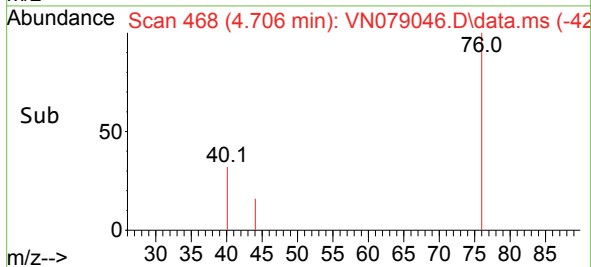
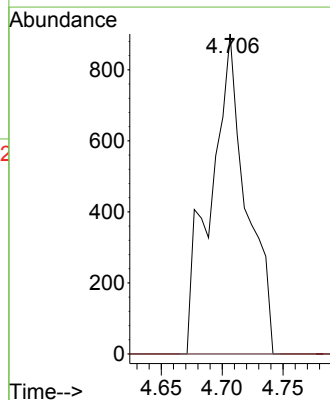
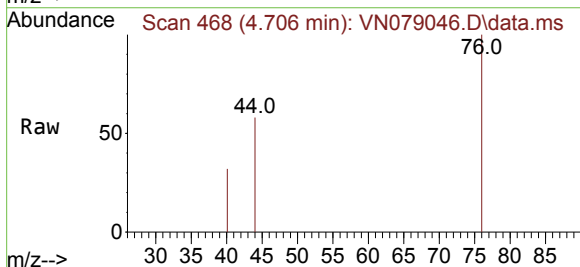
Acq: 25 Aug 2023 11:15

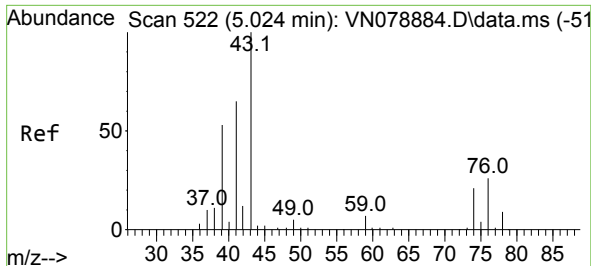
Tgt Ion: 76 Resp: 1848

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: 0.299 ug/l

RT: 5.030 min Scan# 51

Delta R.T. -0.012 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

Instrument :

MSVOA_N

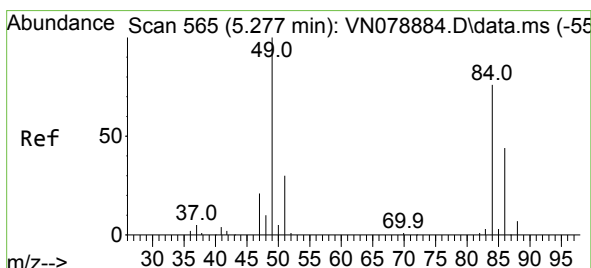
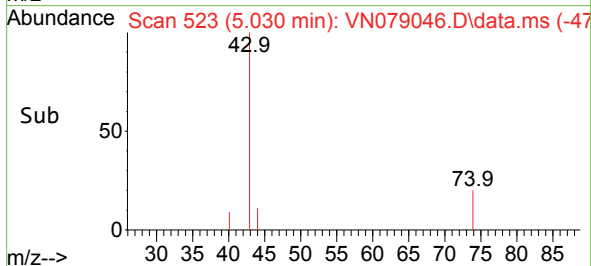
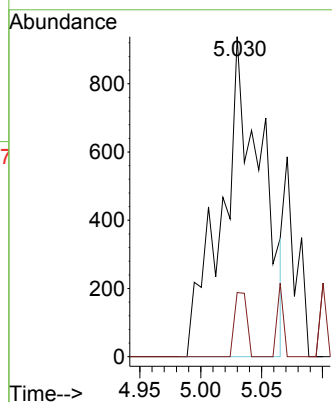
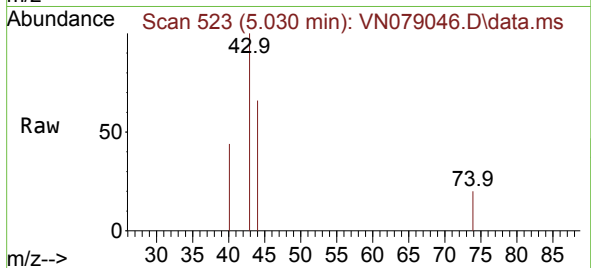
ClientSampleId :

Tgt Ion: 43 Resp: 2118

Ion Ratio Lower Upper

43 100

74 6.2 26.2 39.4#



#20

Methylene Chloride

Concen: 0.307 ug/l

RT: 5.283 min Scan# 566

Delta R.T. -0.000 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

Tgt Ion: 84 Resp: 1096

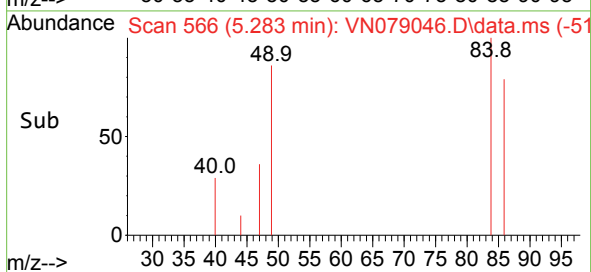
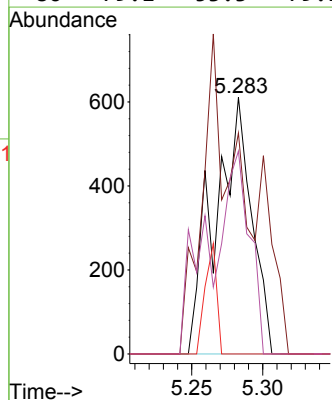
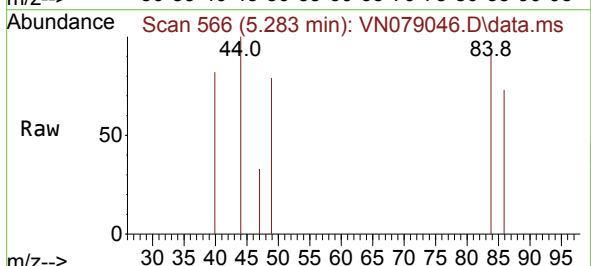
Ion Ratio Lower Upper

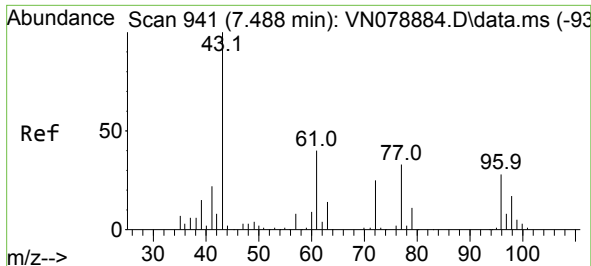
84 100

49 86.1 79.7 119.5

51 0.0 25.2 37.8#

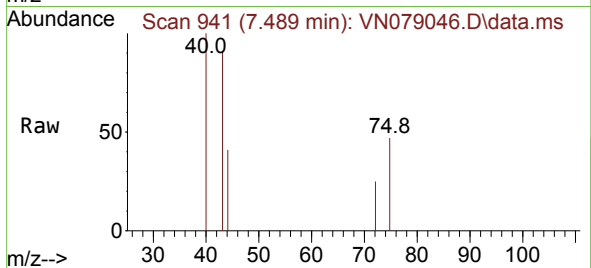
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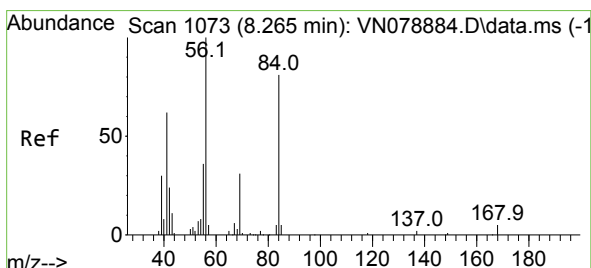
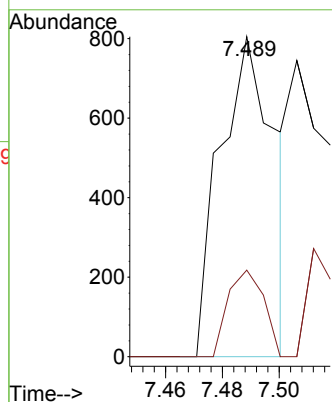
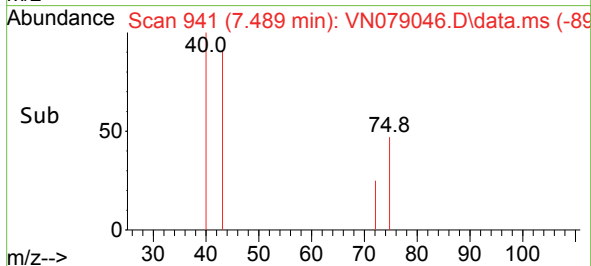


#25
2-Butanone
Concen: 0.397 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.005 min
Lab File: VN079046.D
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ClientSampleId :

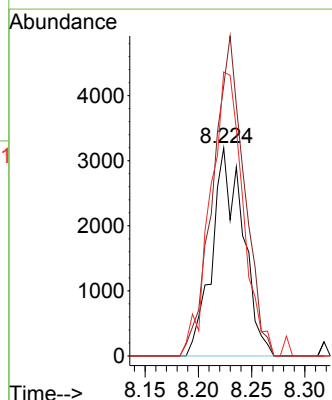
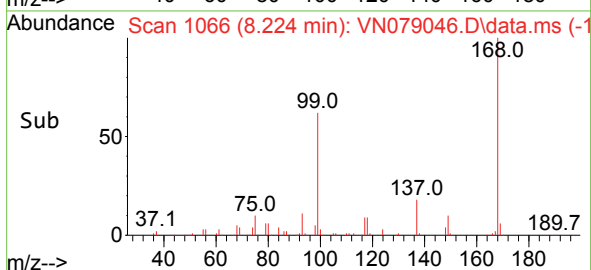
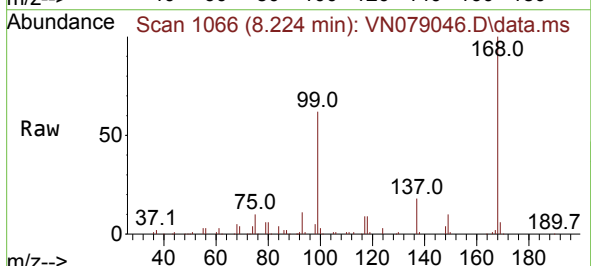


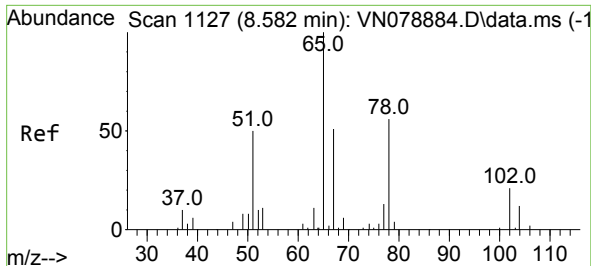
Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
72 27.1 30.2 45.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion: 56 Resp: 6451
Ion Ratio Lower Upper
56 100
69 129.9 26.8 40.2#
84 136.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.241 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

Instrument :

MSVOA_N

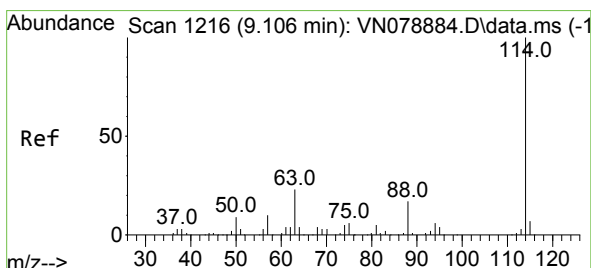
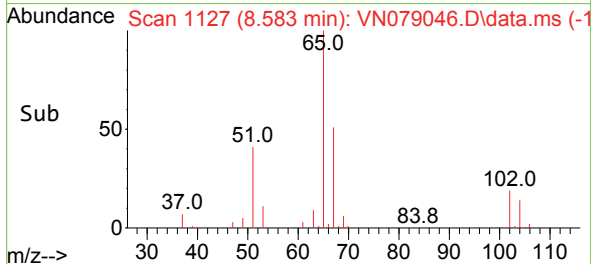
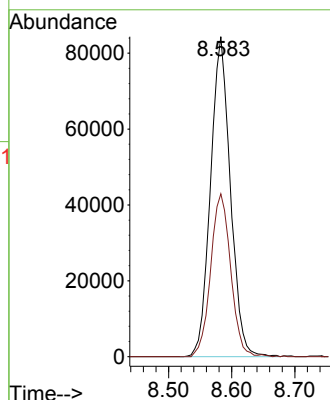
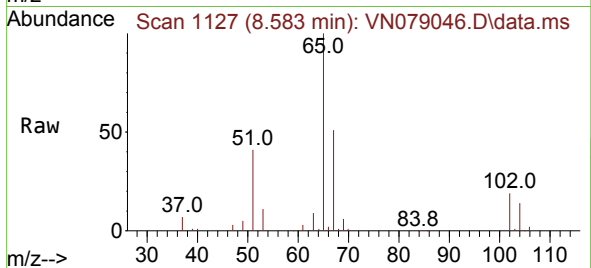
ClientSampleId :

Tgt Ion: 65 Resp: 183937

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

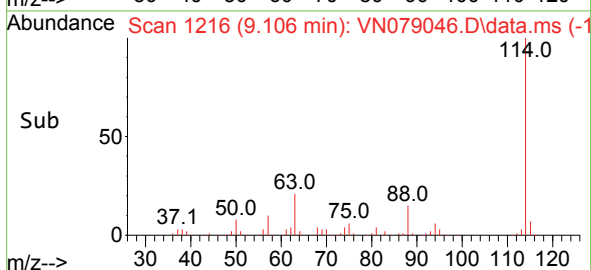
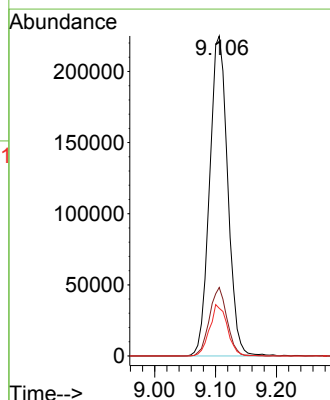
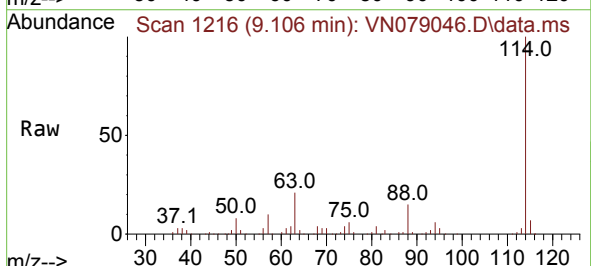
Tgt Ion: 114 Resp: 465549

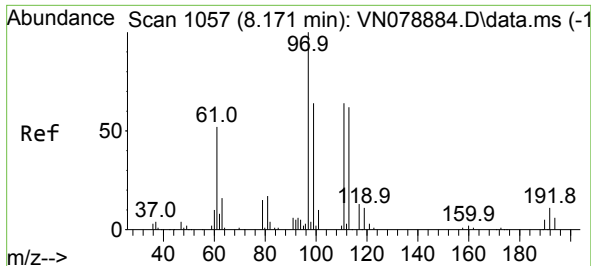
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

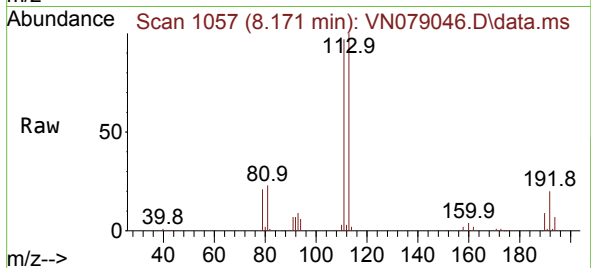
88 14.9 0.0 30.6



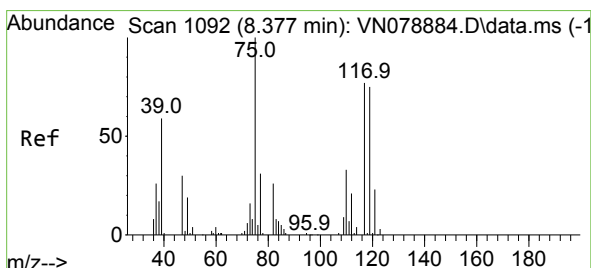
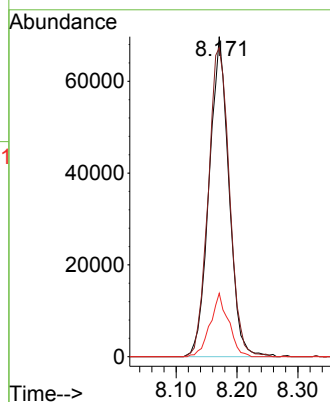
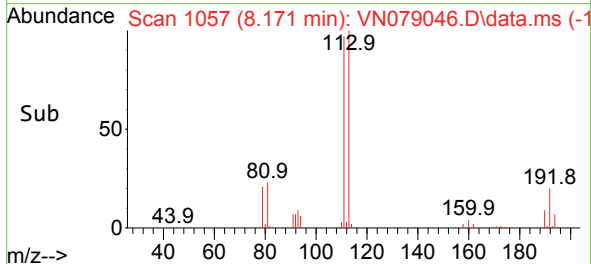


#35
Dibromofluoromethane
Concen: 50.214 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Instrument :
MSVOA_N
ClientSampleId :

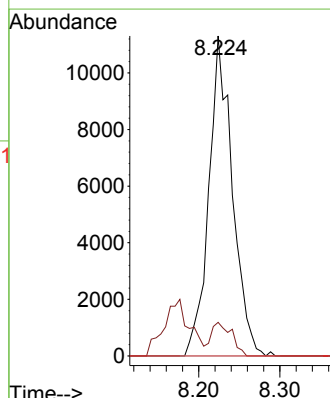
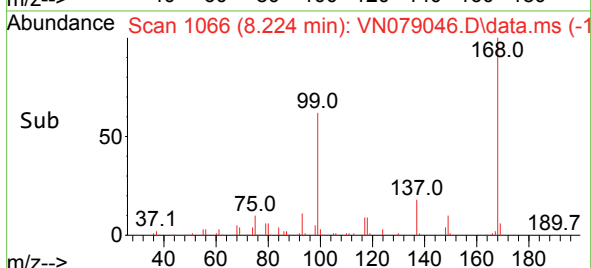
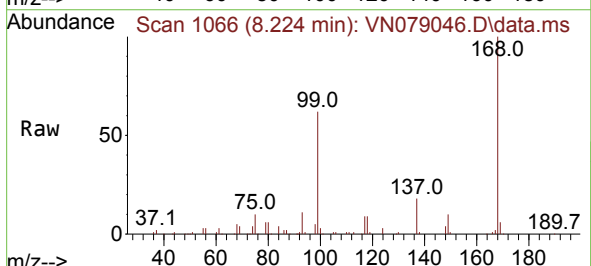


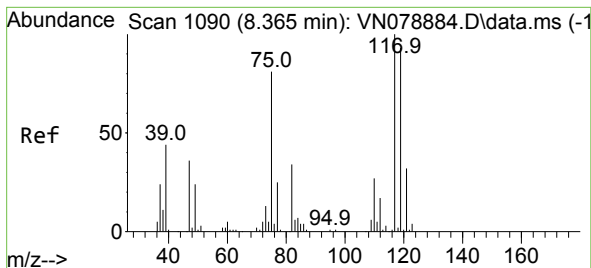
Tgt Ion:113 Resp: 157361
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 18.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.846 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion: 75 Resp: 22845
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.564 ug/l

RT: 8.230 min Scan# 1105

Delta R.T. -0.141 min

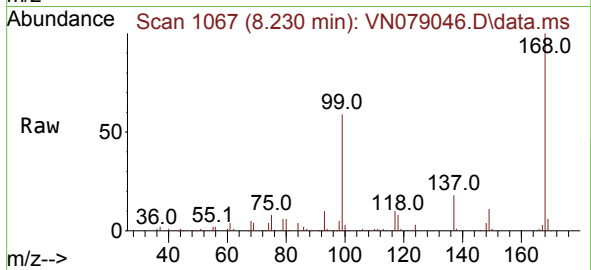
Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :



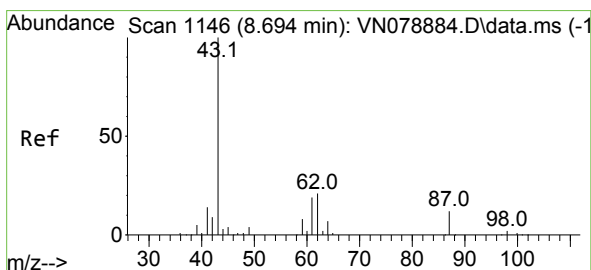
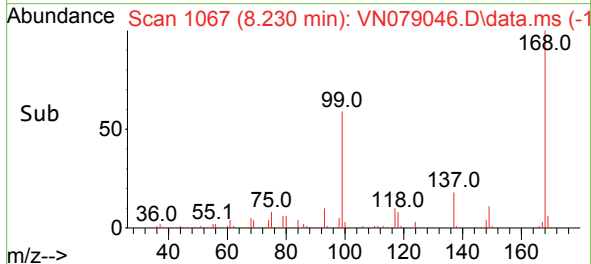
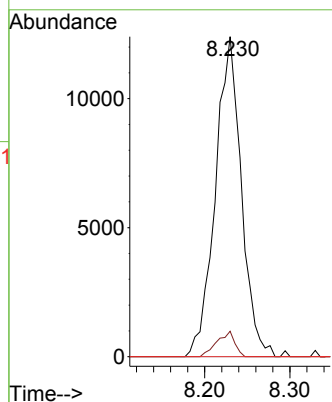
Tgt Ion:117 Resp: 26281

Ion Ratio Lower Upper

117 100

119 8.0 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.249 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.030 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

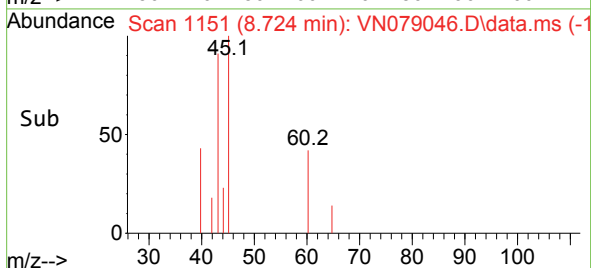
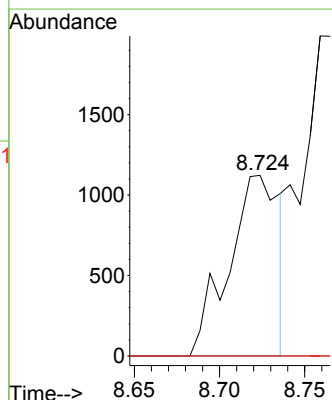
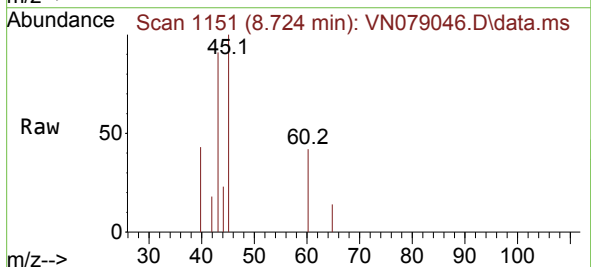
Tgt Ion: 43 Resp: 2317

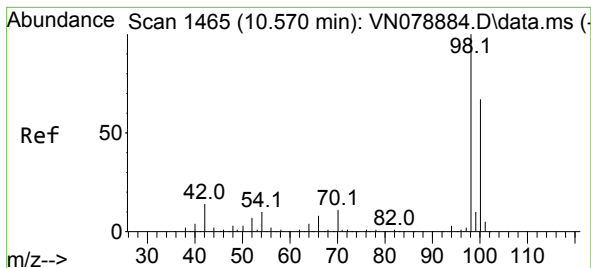
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

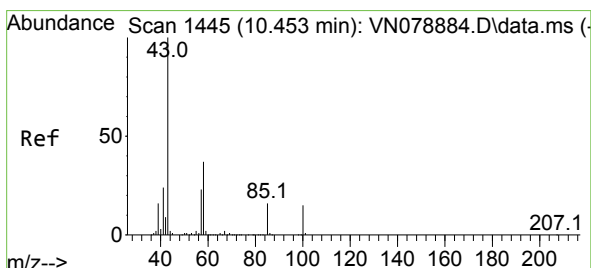
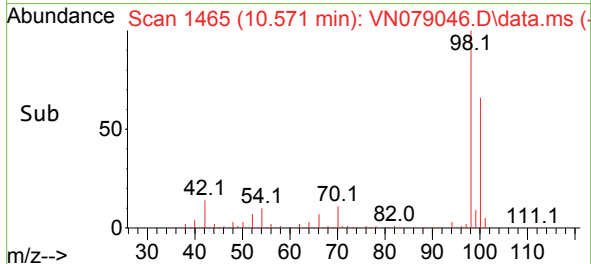
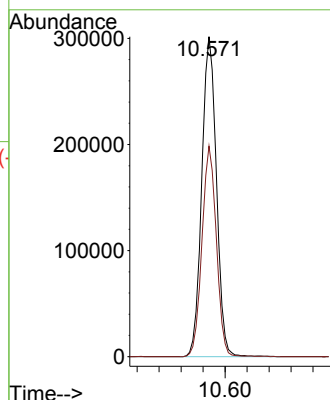
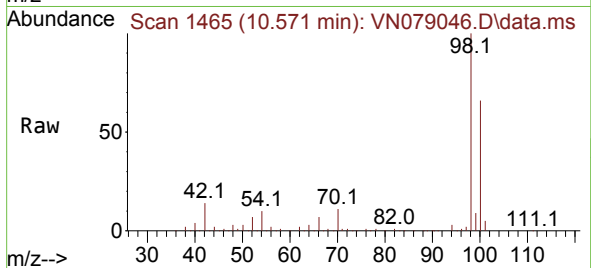




#50
Toluene-d8
Concen: 47.967 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

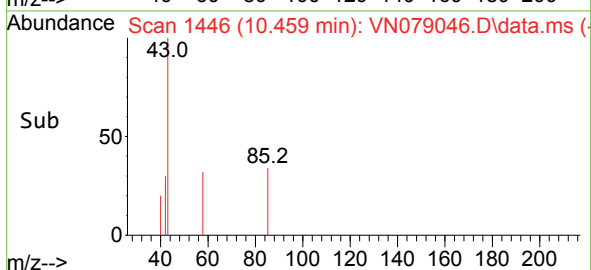
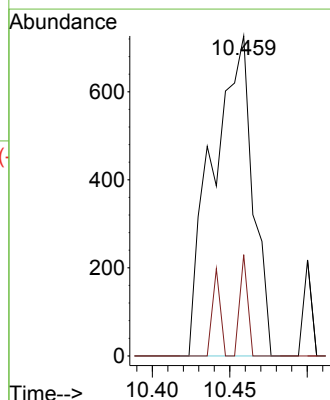
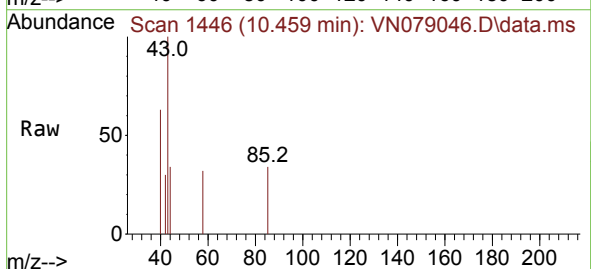
Instrument :
MSVOA_N
ClientSampleId :

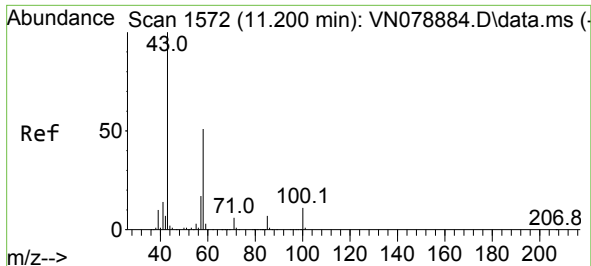
Tgt Ion: 98 Resp: 558154
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.237 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

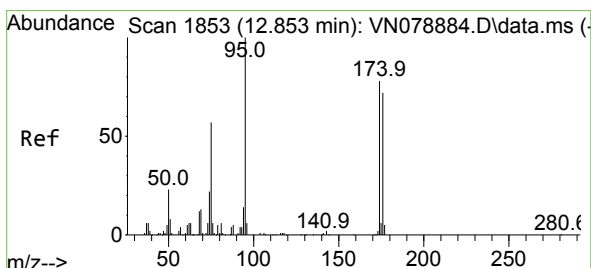
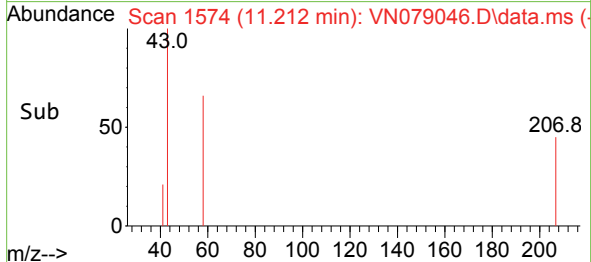
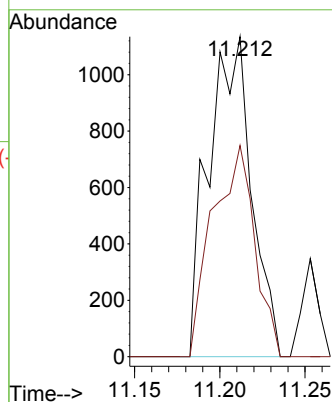
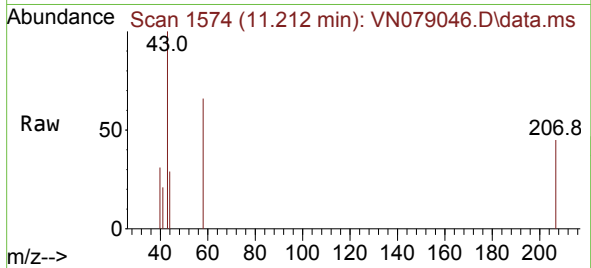




#59
2-Hexanone
Concen: 0.497 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

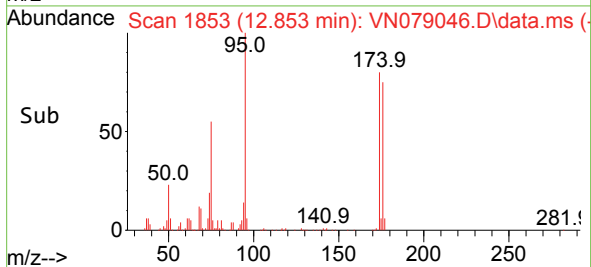
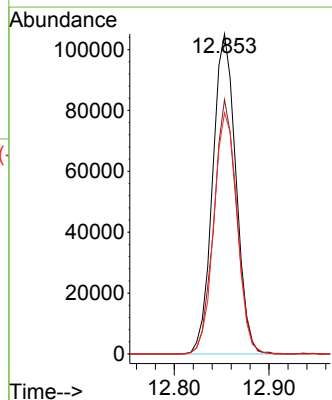
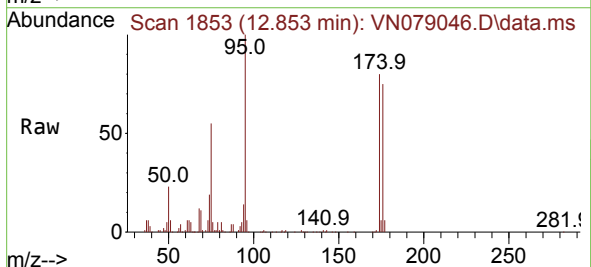
Instrument :
MSVOA_N
ClientSampleId :

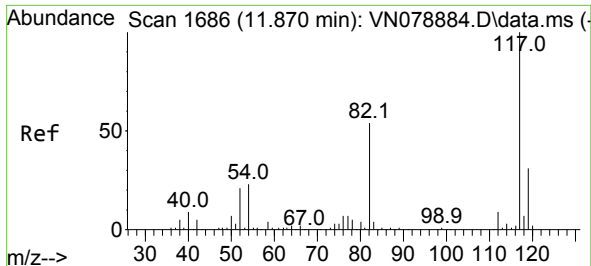
Tgt Ion: 43 Resp: 1989
Ion Ratio Lower Upper
43 100
58 64.5 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 47.054 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion: 95 Resp: 178965
Ion Ratio Lower Upper
95 100
174 78.1 0.0 143.8
176 75.9 0.0 135.8

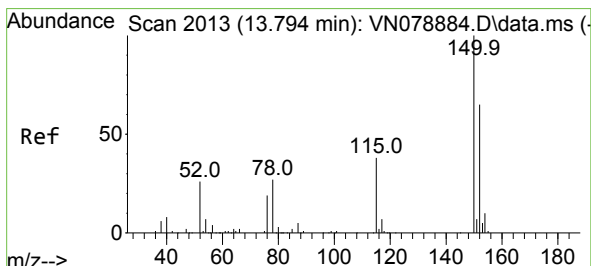
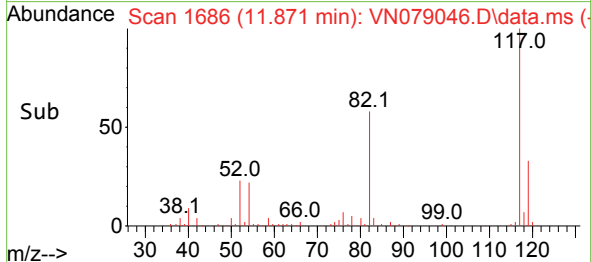
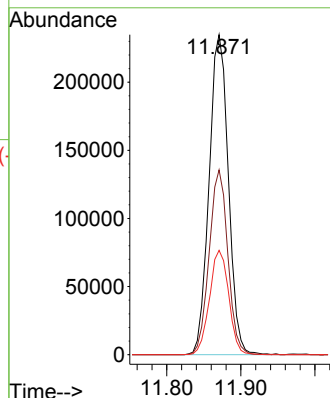
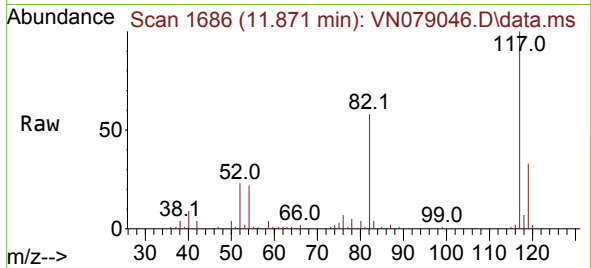




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

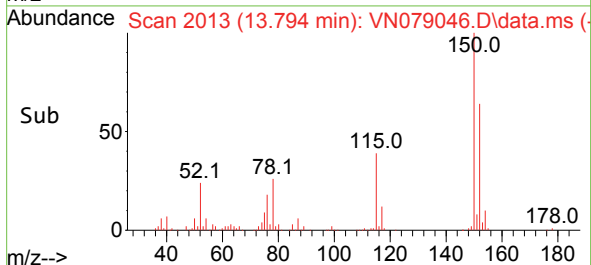
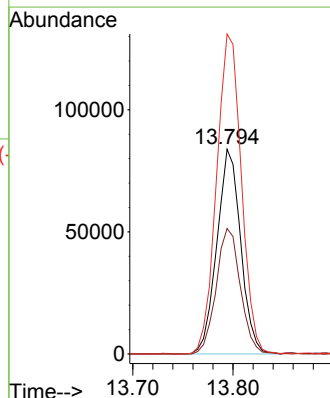
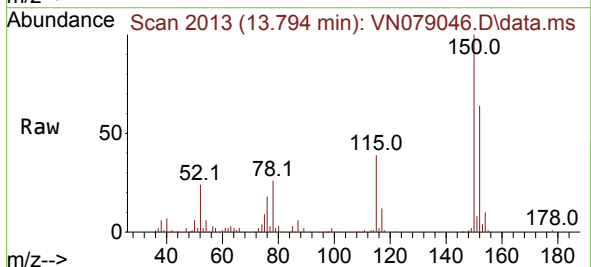
Instrument :
MSVOA_N
ClientSampleId :

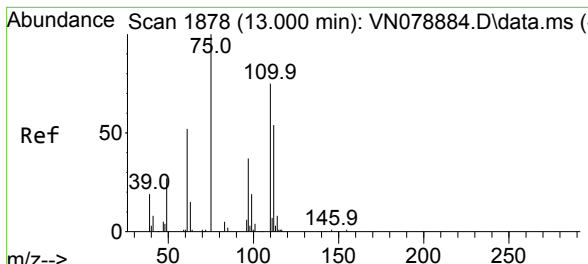
Tgt Ion:117 Resp: 423842
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion:152 Resp: 138275
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 162.8 0.0 355.8

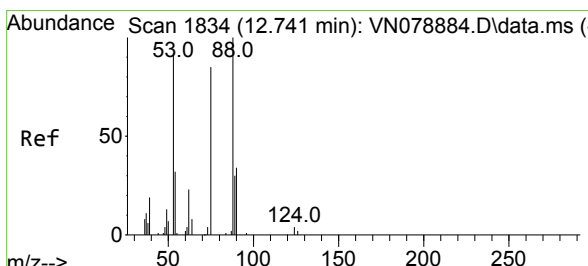
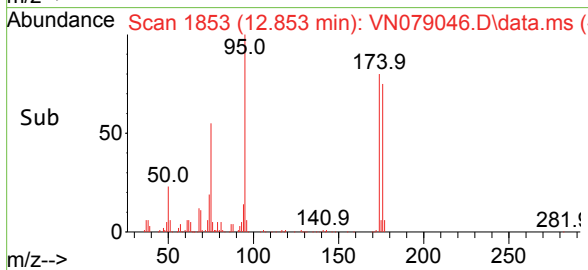
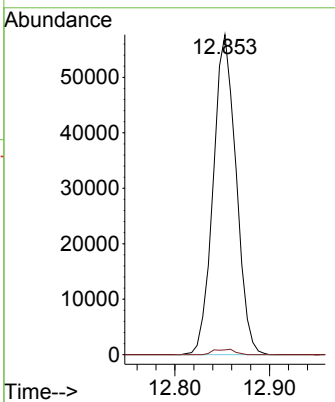
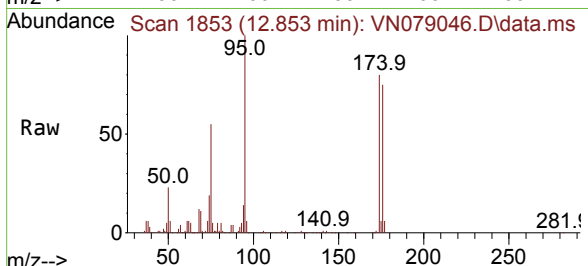




#76
 1,2,3-Trichloropropane
 Concen: 29.100 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079046.D
 Acq: 25 Aug 2023 11:15

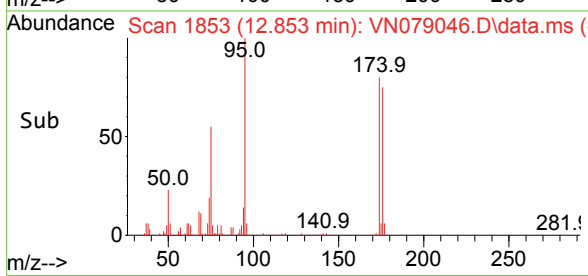
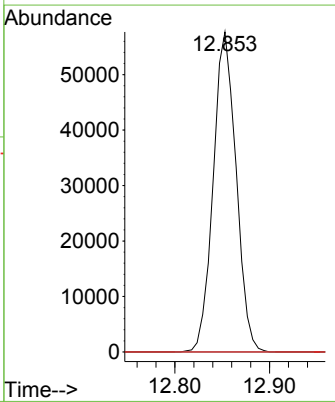
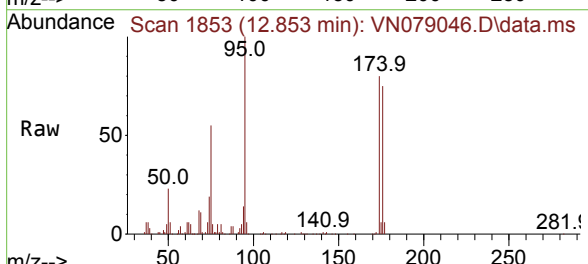
Instrument : MSVOA_N
 ClientSampleId :

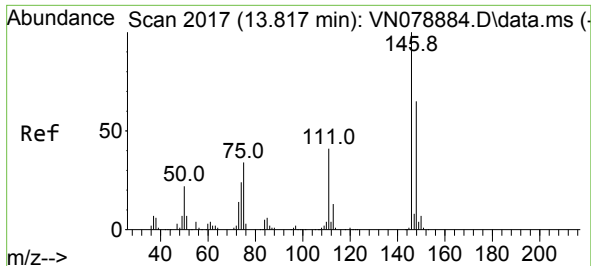
Tgt Ion: 75 Resp: 96955
 Ion Ratio Lower Upper
 75 100
 77 1.6 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.339 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079046.D
 Acq: 25 Aug 2023 11:15

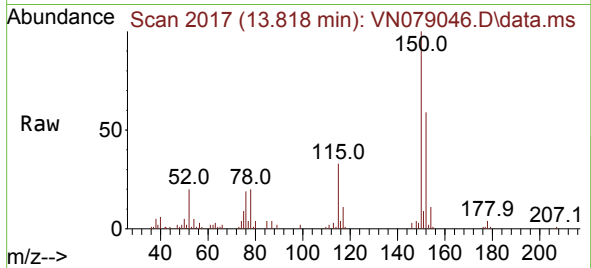
Tgt Ion: 75 Resp: 96955
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



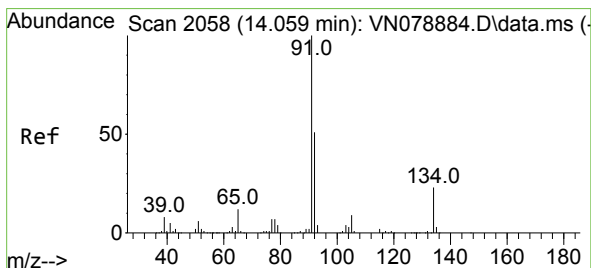
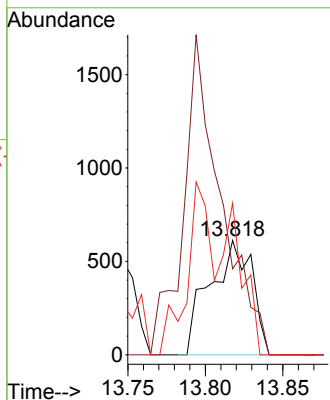
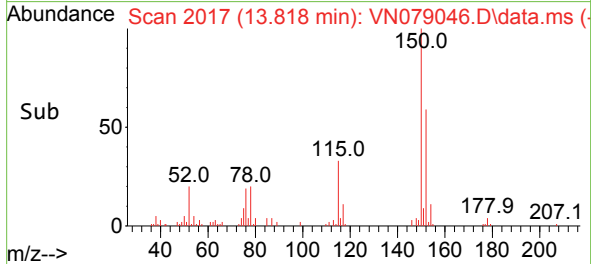


#88
1,4-Dichlorobenzene
Concen: 0.242 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Instrument :
MSVOA_N
ClientSampleId :

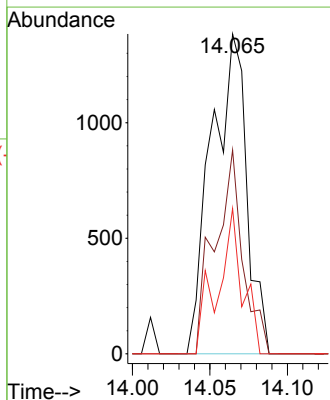
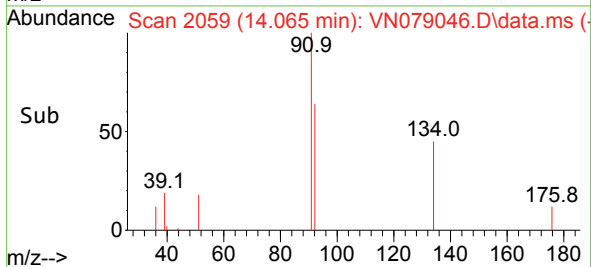
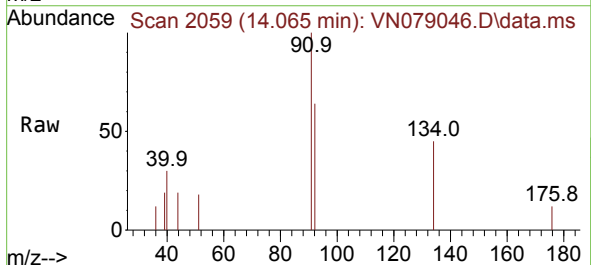


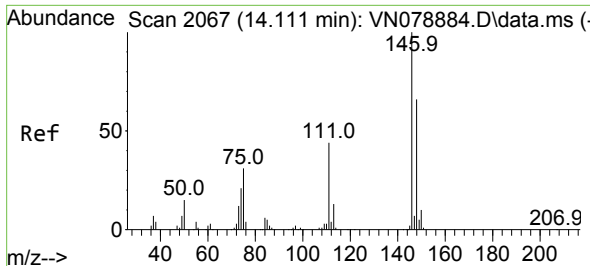
Tgt Ion:146 Resp: 1156
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 0.0 31.6 94.8#



#89
n-Butylbenzene
Concen: 0.316 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion: 91 Resp: 2194
Ion Ratio Lower Upper
91 100
92 51.0 26.4 79.0
134 32.2 12.6 37.6





#91

1,2-Dichlorobenzene

Concen: 0.210 ug/l

RT: 14.118 min Scan# 2067

Delta R.T. 0.006 min

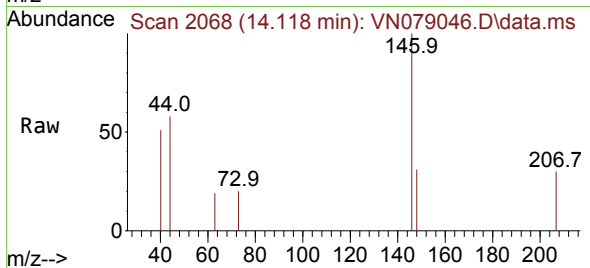
Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :



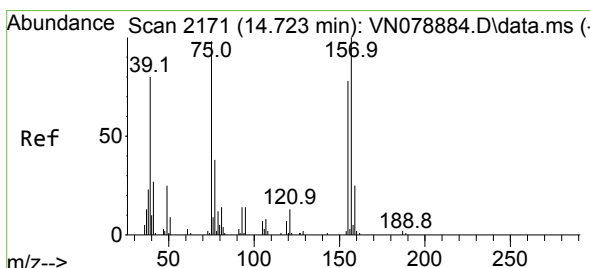
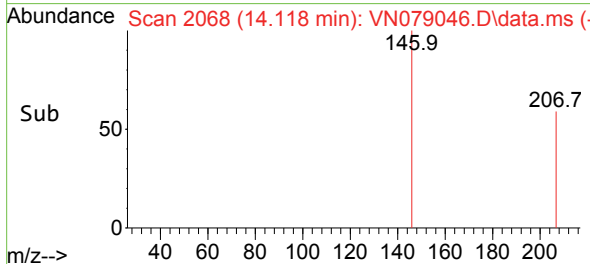
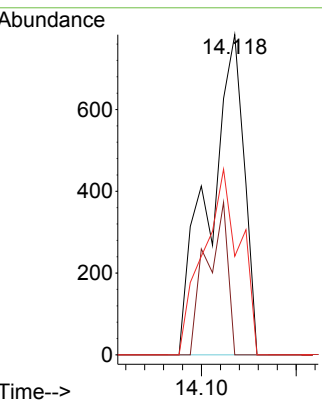
Tgt Ion:146 Resp: 996

Ion Ratio Lower Upper

146 100

111 29.5 22.0 66.0

148 60.9 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.735 min Scan# 2173

Delta R.T. 0.012 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

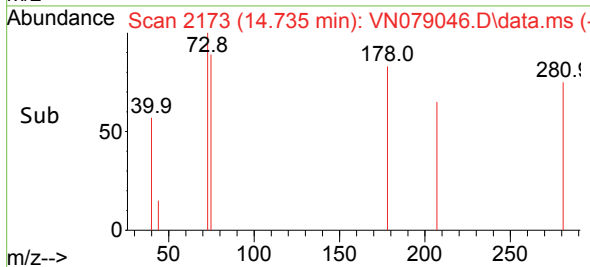
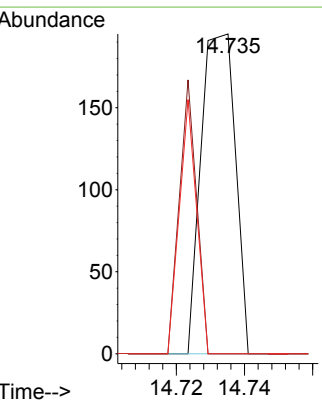
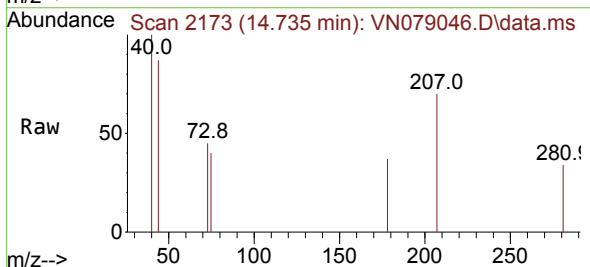
Tgt Ion: 75 Resp: 136

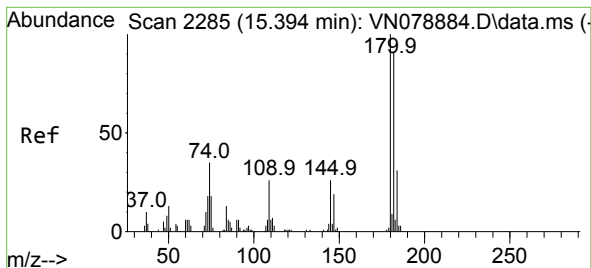
Ion Ratio Lower Upper

75 100

155 43.4 39.1 117.2

157 40.4 50.3 150.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.614 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN079046.D

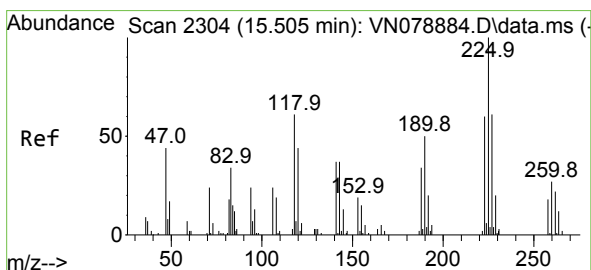
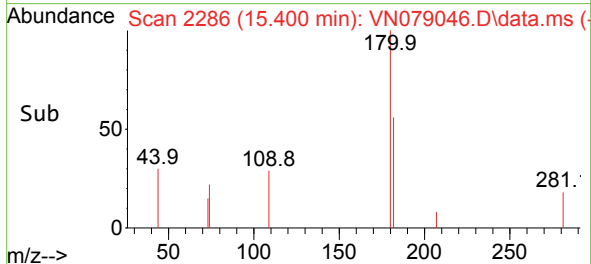
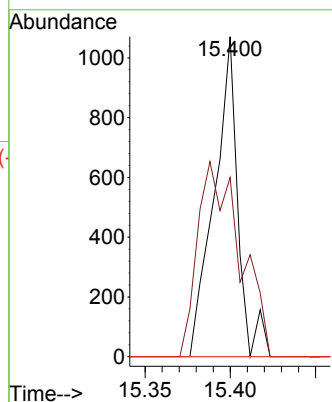
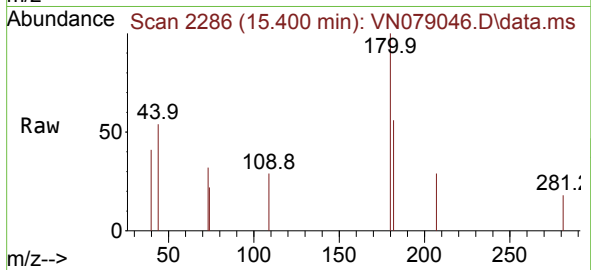
Acq: 25 Aug 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	180	Resp:	1033
Ion Ratio	Lower	Upper	
180	100		
182	109.3	46.1	138.2
145	0.0	16.6	49.8#



#94

Hexachlorobutadiene

Concen: 0.897 ug/l

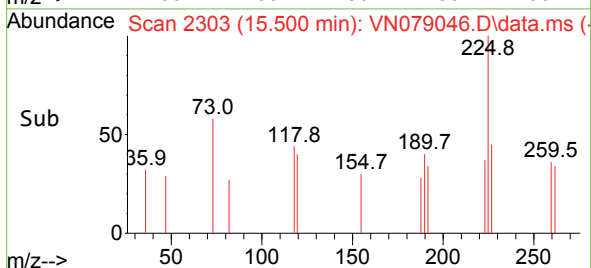
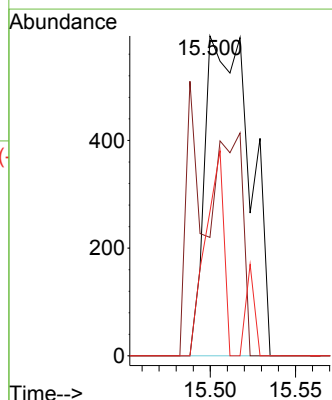
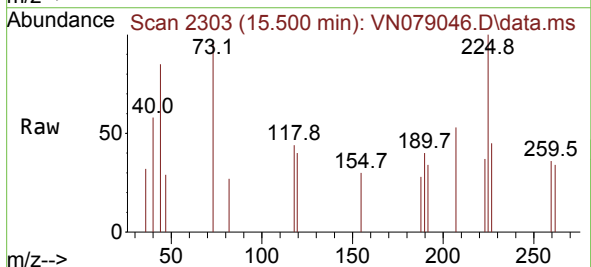
RT: 15.500 min Scan# 2303

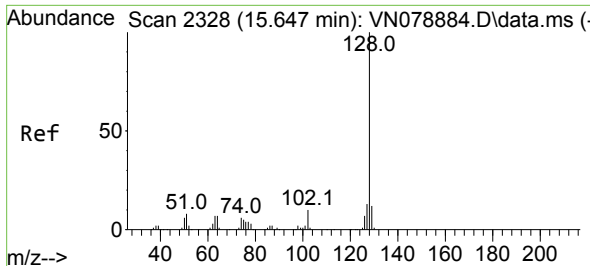
Delta R.T. -0.006 min

Lab File: VN079046.D

Acq: 25 Aug 2023 11:15

Tgt Ion:	225	Resp:	1090
Ion Ratio	Lower	Upper	
225	100		
223	31.0	31.3	93.8#
227	26.2	31.9	95.9#

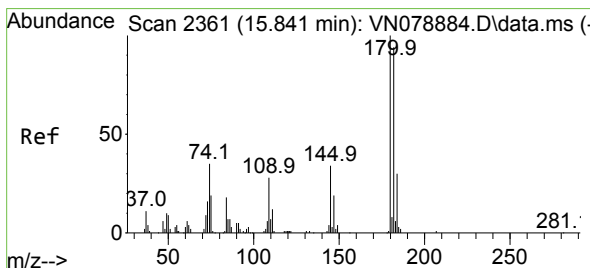
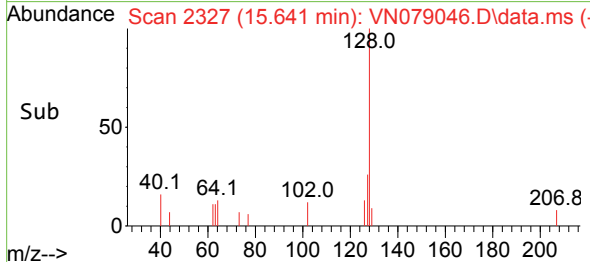
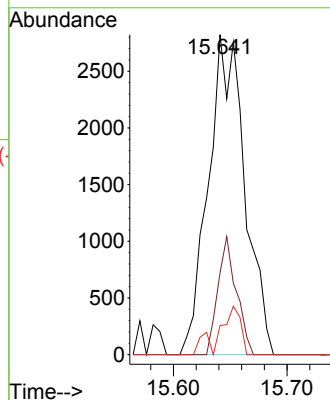
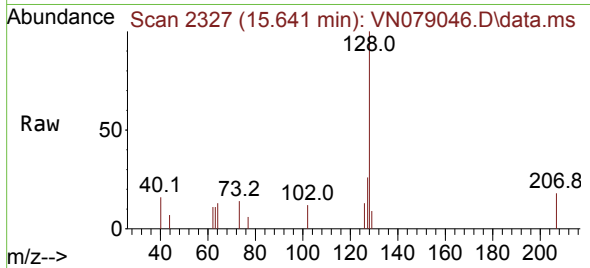




#95
Naphthalene
Concen: 3.508 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6271
Ion Ratio Lower Upper
128 100
127 18.8 10.0 15.0#
129 7.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.724 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079046.D
Acq: 25 Aug 2023 11:15

Tgt Ion:180 Resp: 1333
Ion Ratio Lower Upper
180 100
182 100.5 46.2 138.6
145 36.4 17.5 52.6

