

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078620.D
 Acq On : 21 Jul 2023 17:49
 Operator : JC\MD
 Sample : 03719-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 21 23:27:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

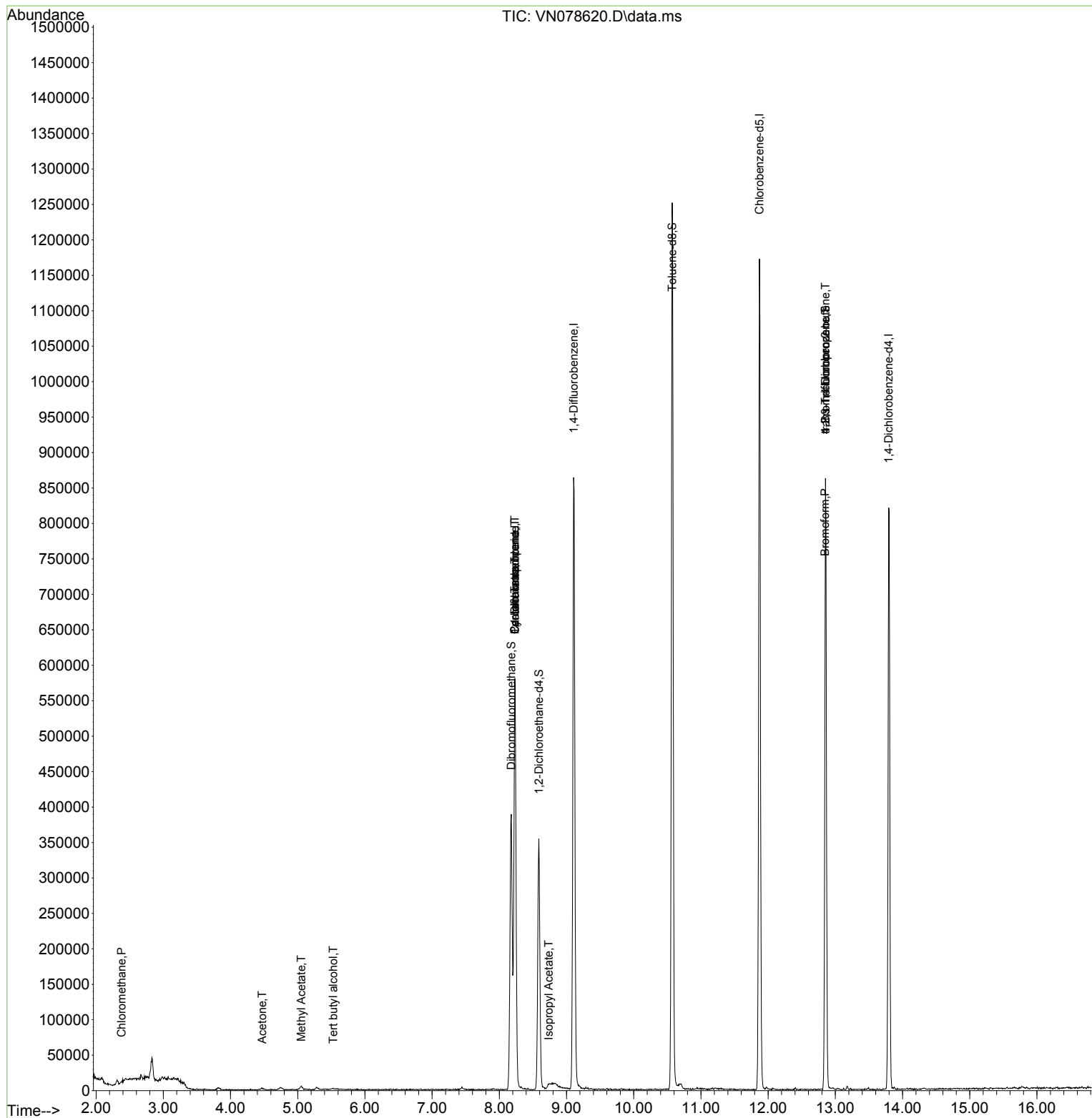
Internal Standards						
1) Pentafluorobenzene	8.230	168	425926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	767342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	710097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	283966	49.731	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.460%
35) Dibromofluoromethane	8.177	113	281327	54.008	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.020%
50) Toluene-d8	10.571	98	900866	45.781	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.560%
62) 4-Bromofluorobenzene	12.853	95	299739	49.452	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	2706	0.477	ug/l #	73
5) Bromomethane	2.971	94	2831	Below Cal		98
6) Chloroethane	3.154	64	1019	Below Cal	#	43
11) Tert butyl alcohol	5.530	59	716	0.813	ug/l #	72
16) Acetone	4.471	43	3663	2.059	ug/l #	61
18) Methyl Acetate	5.053	43	7984	1.060	ug/l	92
20) Methylene Chloride	5.277	84	2329	Below Cal	#	55
31) Cyclohexane	8.230	56	9023	1.169	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	34915	4.642	ug/l #	47
38) Carbon Tetrachloride	8.230	117	44320	5.422	ug/l #	17
43) Isopropyl Acetate	8.736	43	6700	0.649	ug/l #	49
71) Bromoform	12.847	173	1611	0.390	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.947	83	241	Below Cal	#	50
76) 1,2,3-Trichloropropane	12.853	75	155954	27.696	ug/l #	1
77) Bromobenzene	12.988	156	66	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	155954	72.780	ug/l #	15
90) Hexachloroethane	14.341	117	82	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.588	75	94	Below Cal	#	4

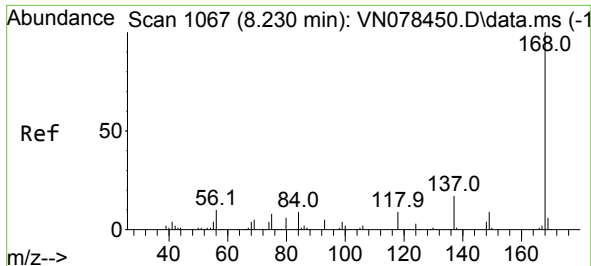
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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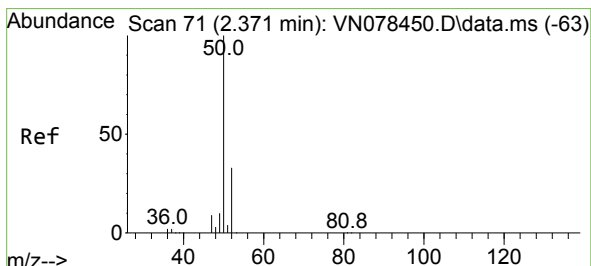
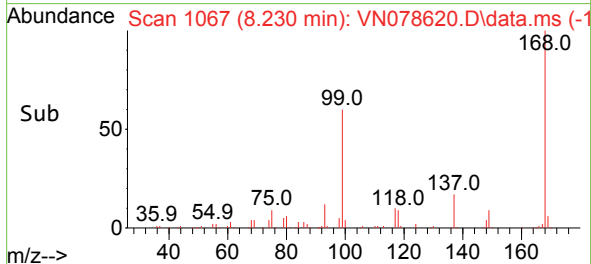
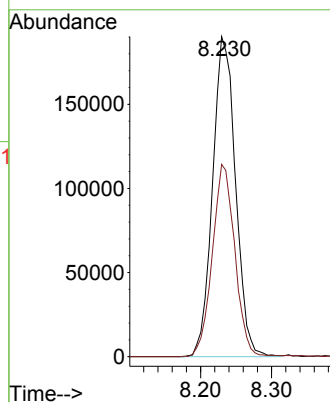
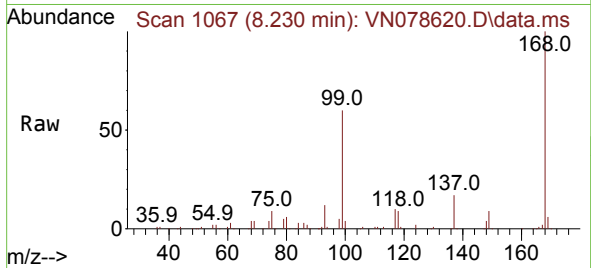




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

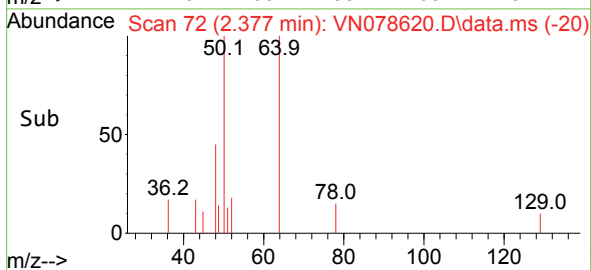
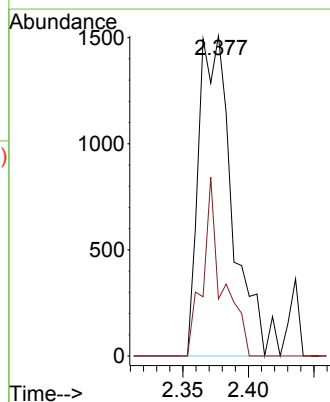
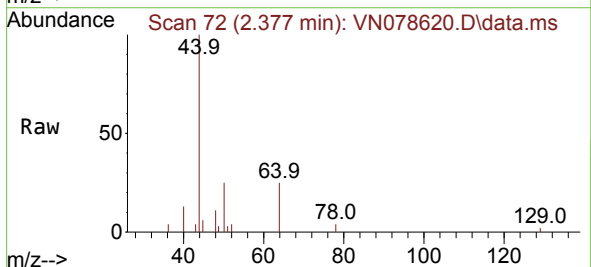
Instrument :
MSVOA_N
ClientSampleId :
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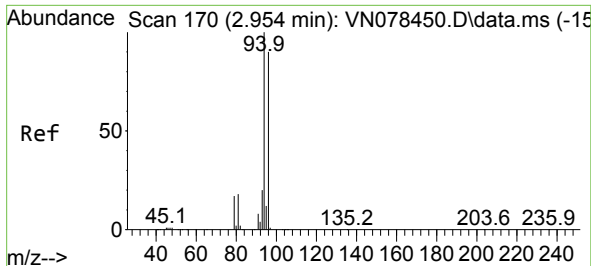
Tgt Ion:168 Resp: 425926
Ion Ratio Lower Upper
168 100
99 60.1 53.0 79.6



#3
Chloromethane
Concen: 0.477 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion: 50 Resp: 2706
Ion Ratio Lower Upper
50 100
52 17.8 26.5 39.7#

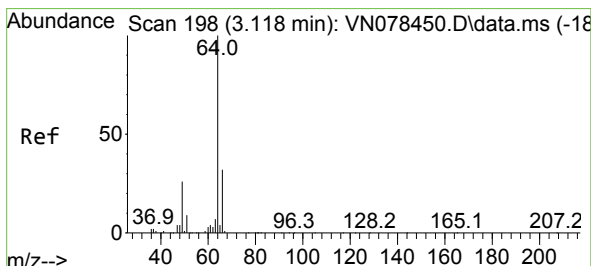
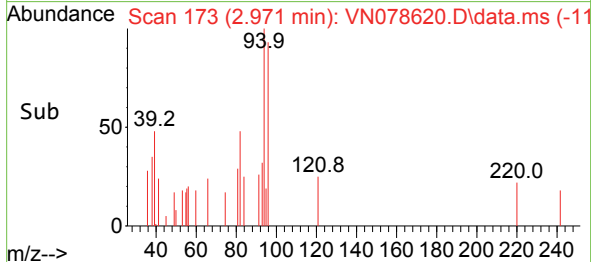
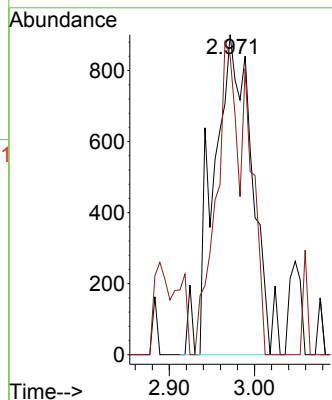
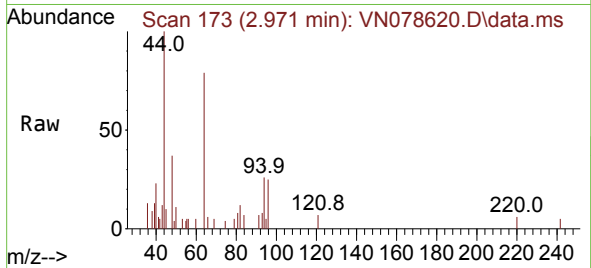




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

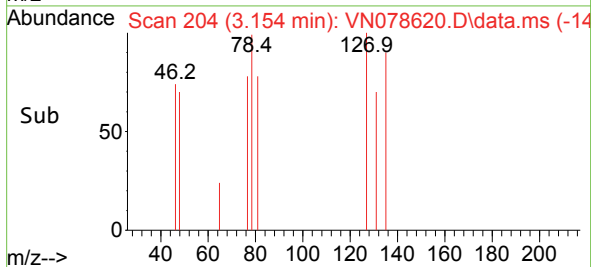
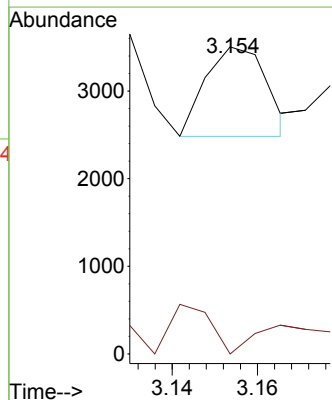
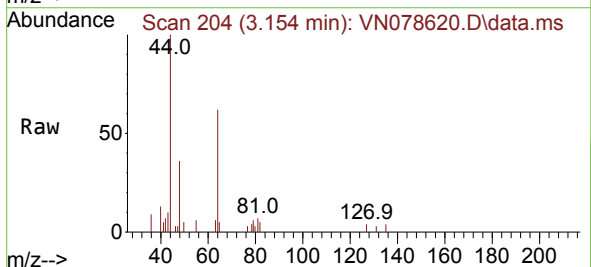
Instrument :
MSVOA_N
ClientSampleId :
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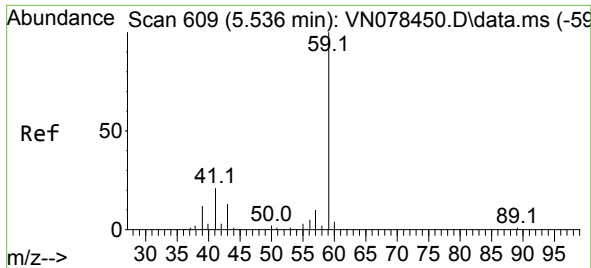
Tgt Ion: 94 Resp: 2831
Ion Ratio Lower Upper
94 100
96 93.3 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.154 min Scan# 204
Delta R.T. 0.036 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion: 64 Resp: 1019
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

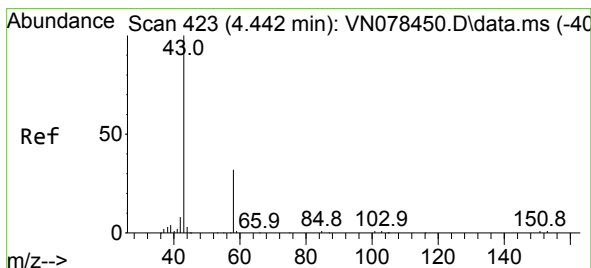
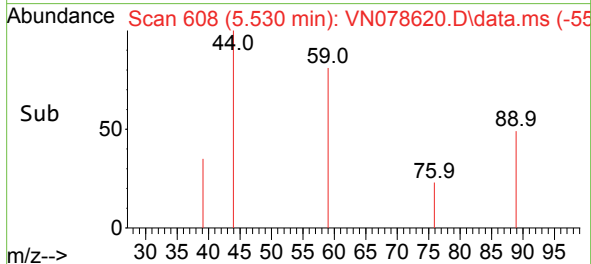
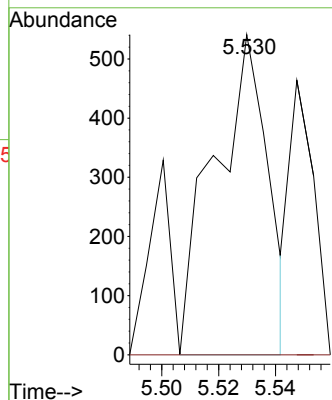
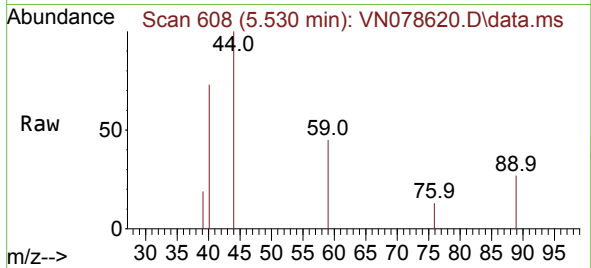




#11
Tert butyl alcohol
Concen: 0.813 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

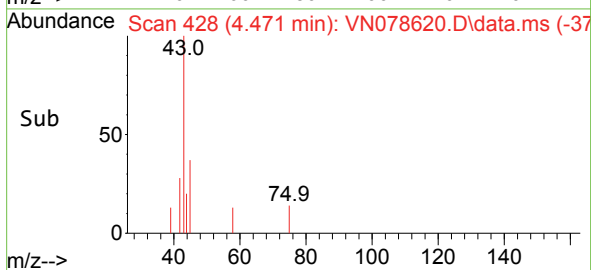
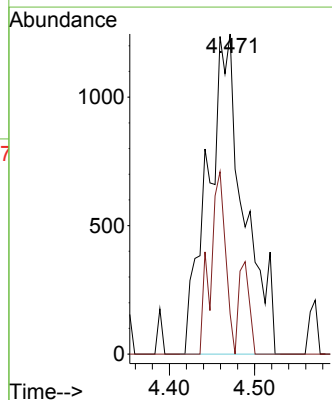
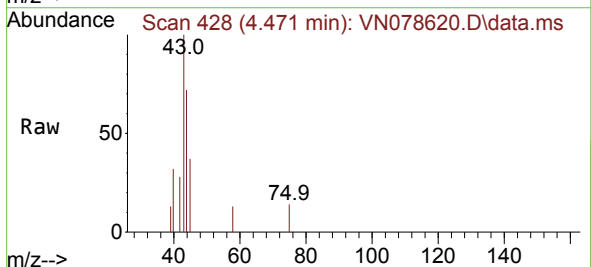
Instrument :
MSVOA_N
ClientSampleId :
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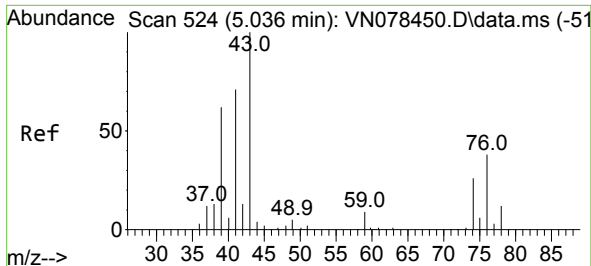
Tgt Ion: 59 Resp: 716
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.059 ug/l
RT: 4.471 min Scan# 428
Delta R.T. 0.029 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
58 12.6 28.0 42.0#

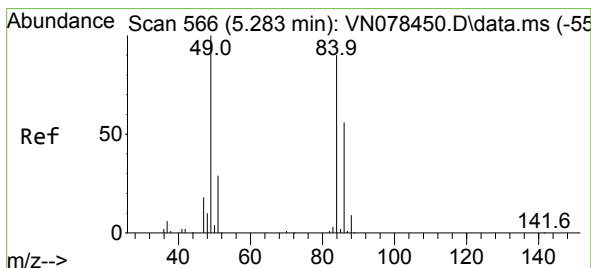
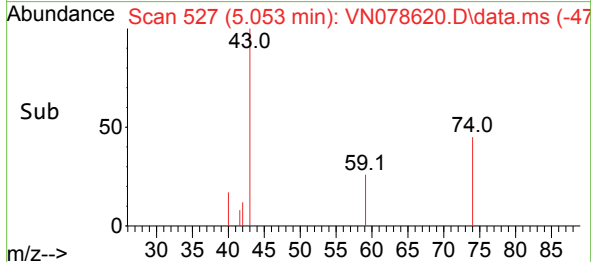
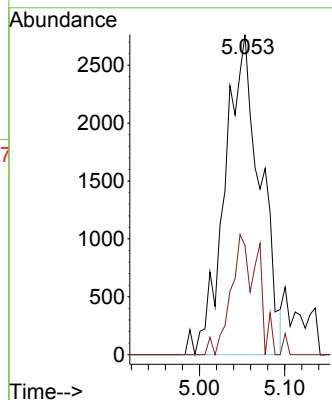
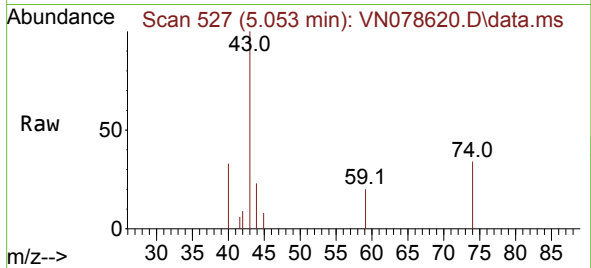




#18
Methyl Acetate
Concen: 1.060 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

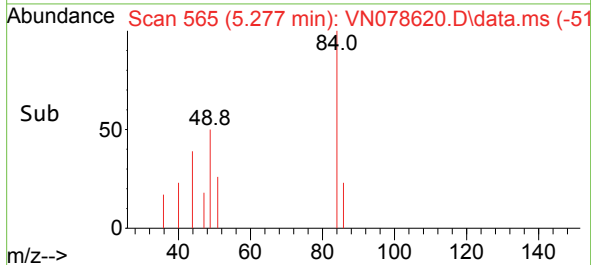
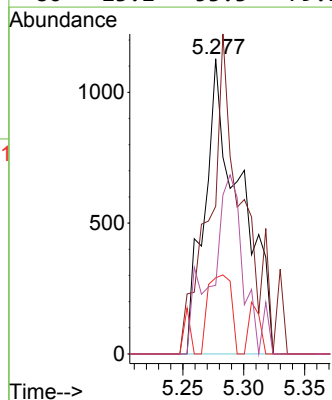
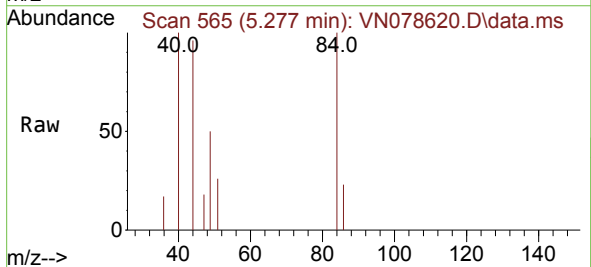
Instrument :
MSVOA_N
ClientSampleId :
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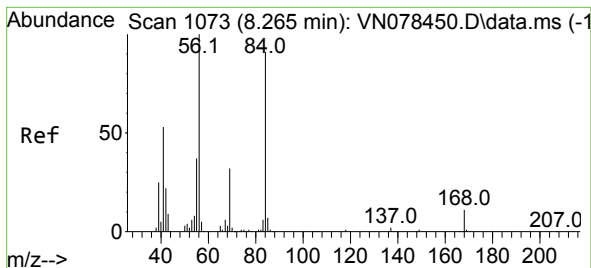
Tgt Ion: 43 Resp: 7984
Ion Ratio Lower Upper
43 100
74 28.2 26.2 39.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion: 84 Resp: 2329
Ion Ratio Lower Upper
84 100
49 50.0 79.7 119.5#
51 25.8 25.2 37.8
86 23.2 53.3 79.9#





#31

Cyclohexane

Concen: 1.169 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.035 min

Lab File: VN078620.D

Acq: 21 Jul 2023 17:49

Instrument :

MSVOA_N

ClientSampleId :

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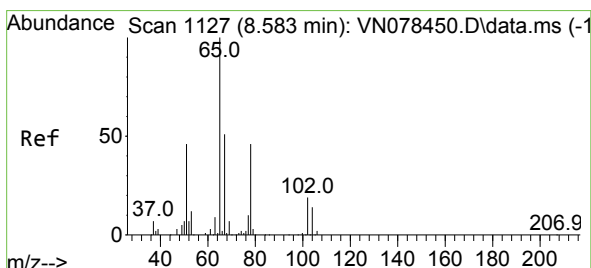
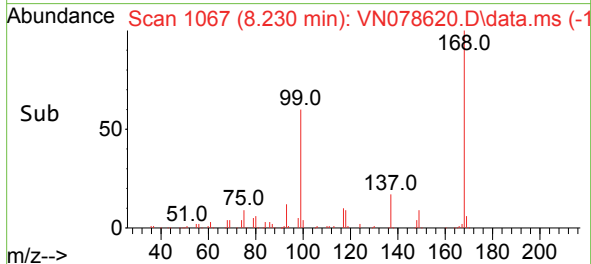
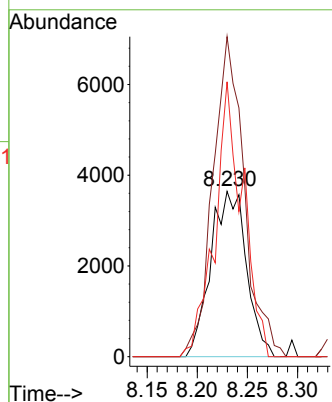
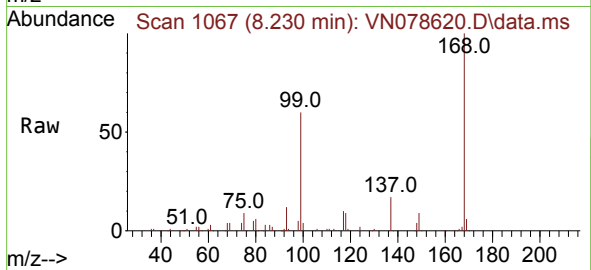
Tgt Ion: 56 Resp: 9023

Ion Ratio Lower Upper

56 100

69 193.5 26.8 40.2#

84 166.3 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 49.731 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078620.D

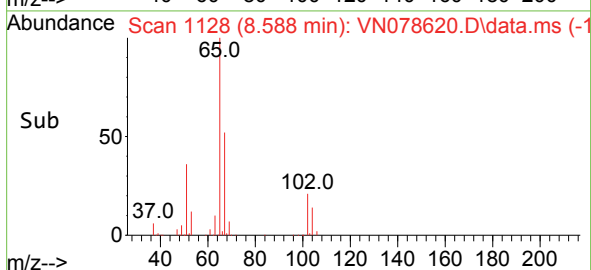
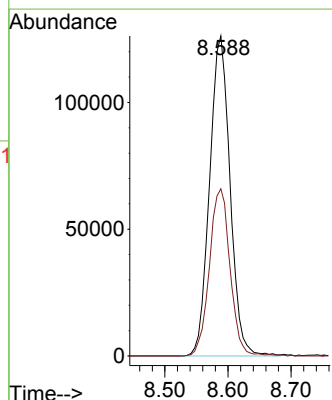
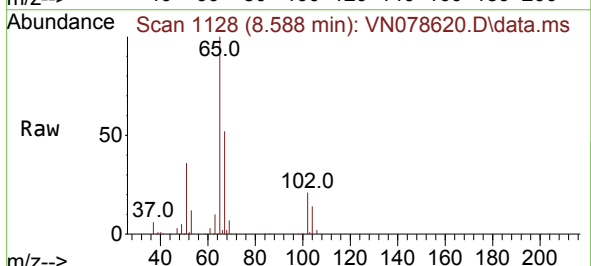
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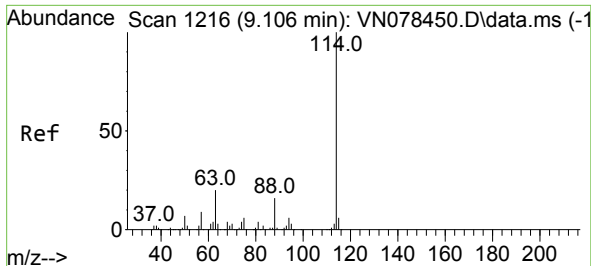
Tgt Ion: 65 Resp: 283966

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6

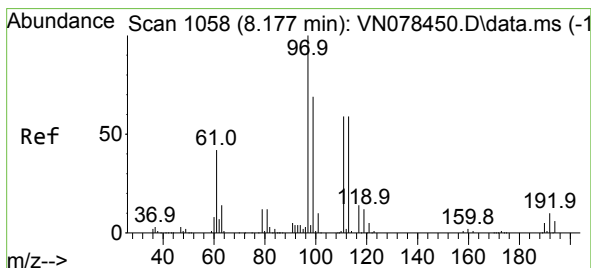
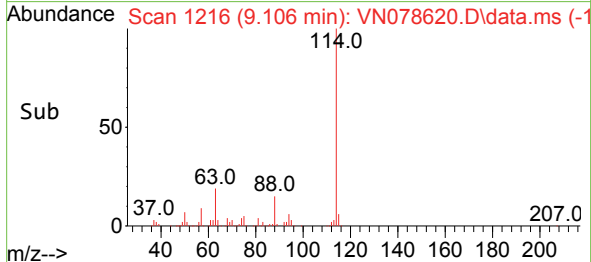
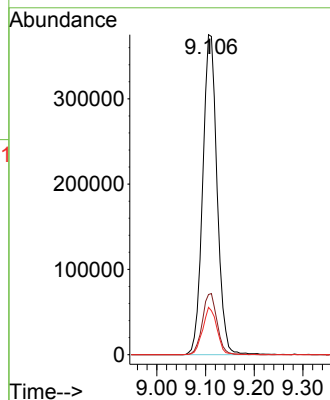
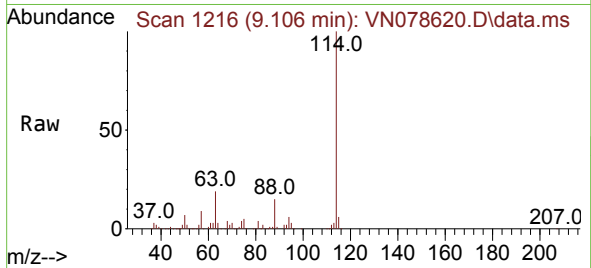




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

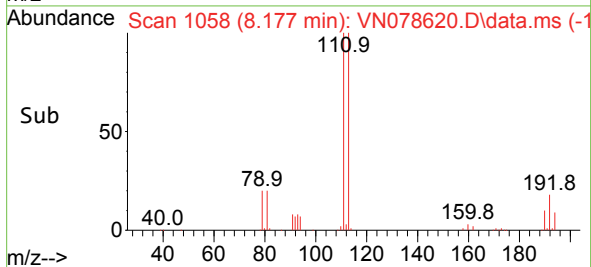
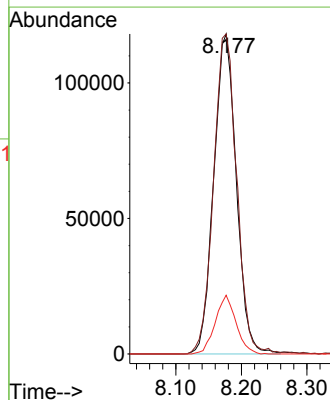
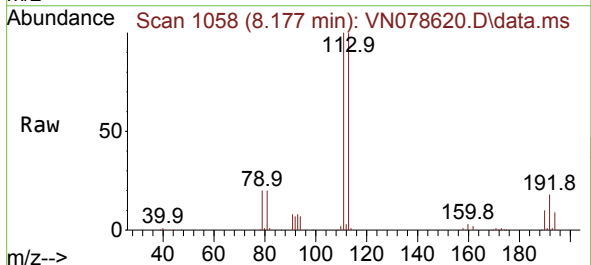
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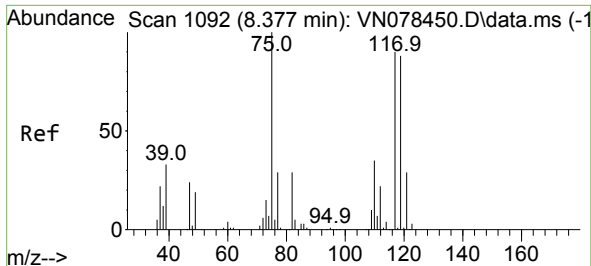
Tgt Ion:114 Resp: 767342
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.008 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion:113 Resp: 281327
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078620.D

Acq: 21 Jul 2023 17:49

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

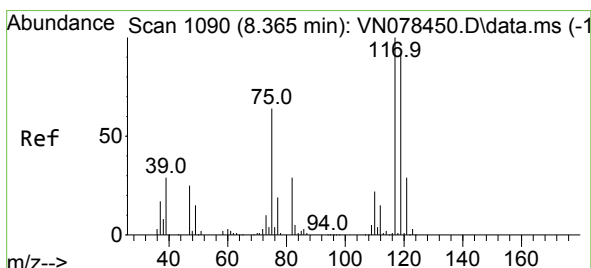
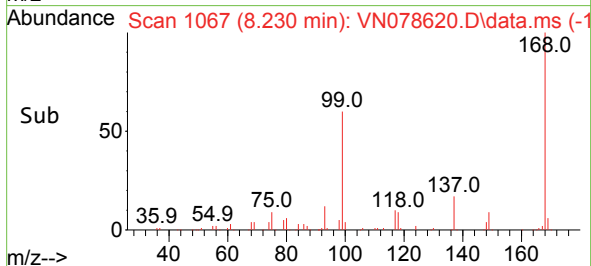
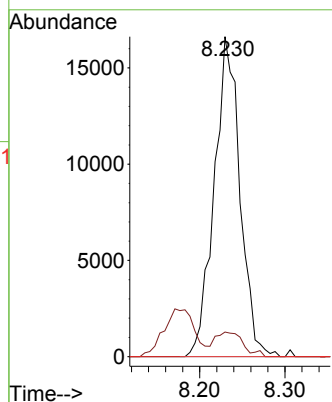
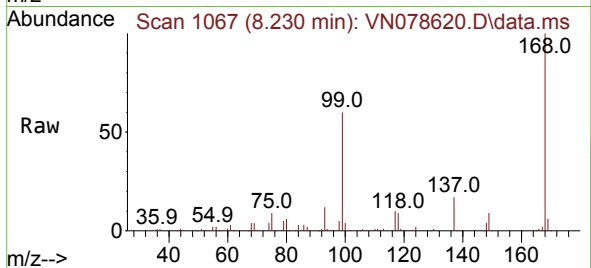
Tgt Ion: 75 Resp: 34915

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.422 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN078620.D

Acq: 21 Jul 2023 17:49

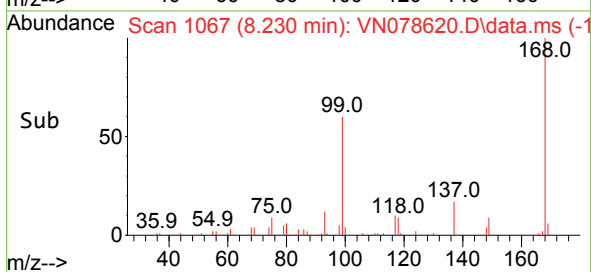
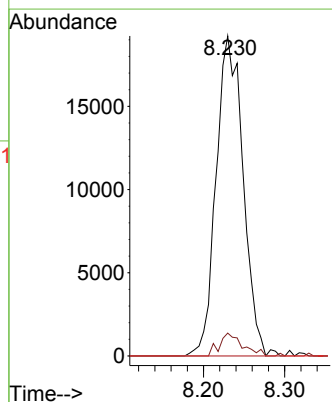
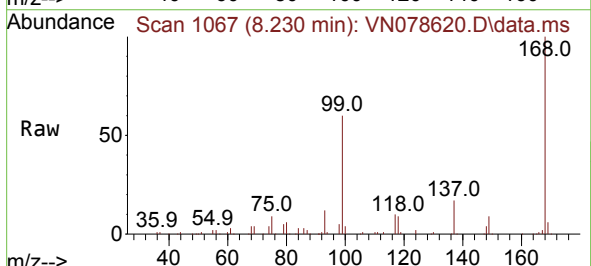
Tgt Ion: 117 Resp: 44320

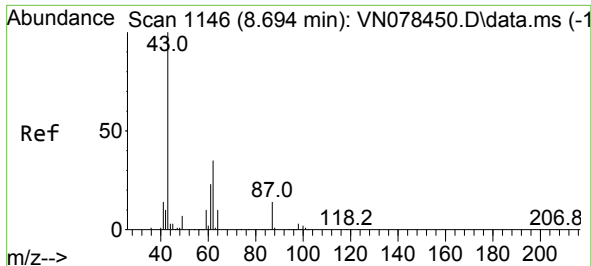
Ion Ratio Lower Upper

117 100

119 7.2 77.3 115.9#

121 0.0 23.3 34.9#

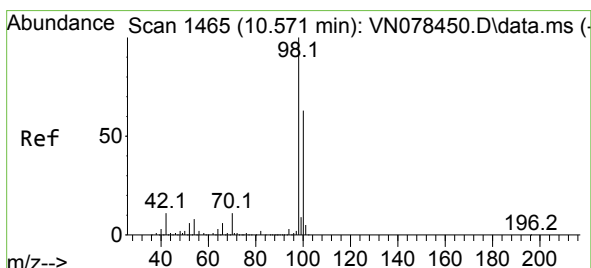
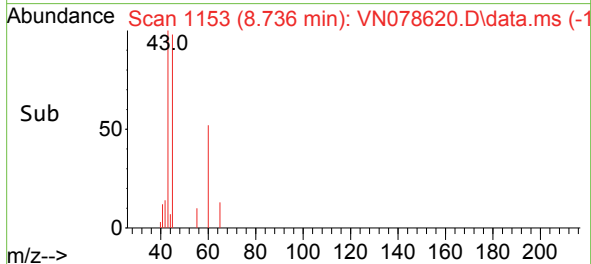
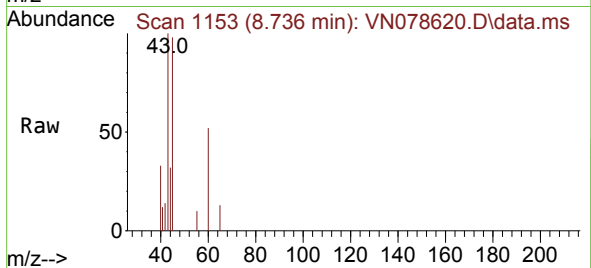




#43
Isopropyl Acetate
Concen: 0.649 ug/l
RT: 8.736 min Scan# 1153
Delta R.T. 0.042 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

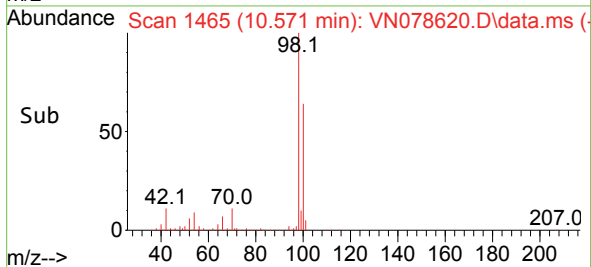
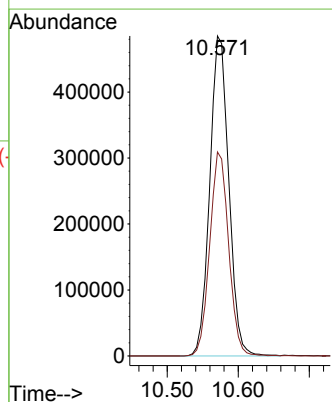
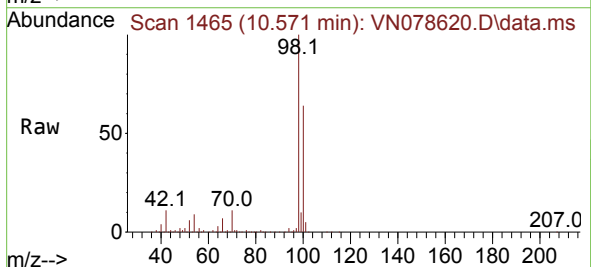
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

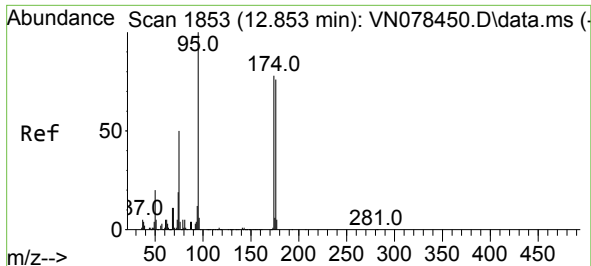
Tgt Ion: 43 Resp: 6700
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.781 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion: 98 Resp: 900866
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

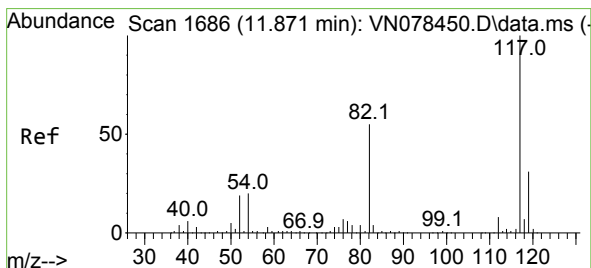
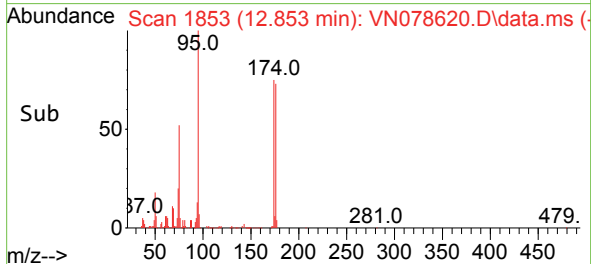
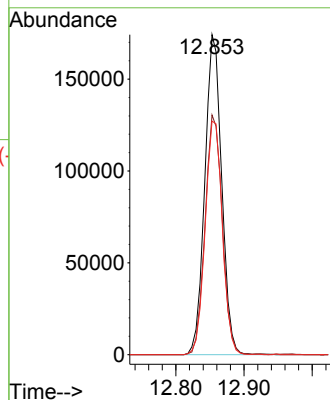
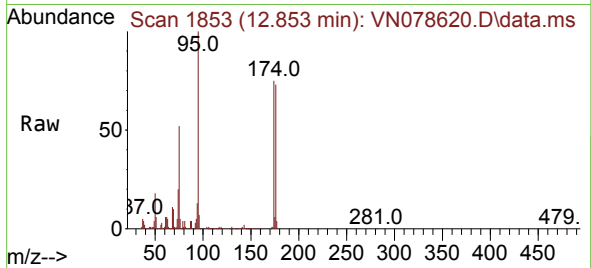




#62
4-Bromofluorobenzene
Concen: 49.452 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

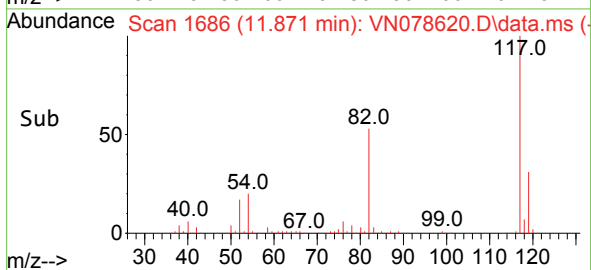
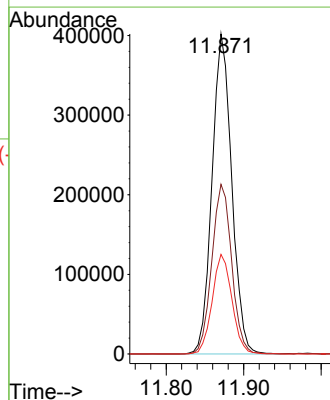
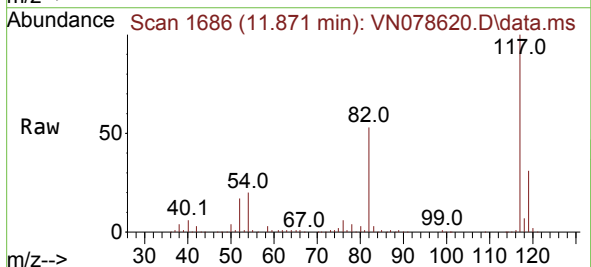
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

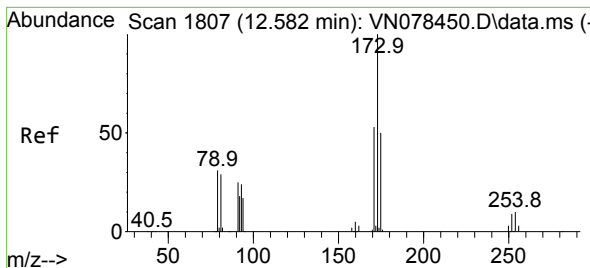
Tgt Ion: 95 Resp: 299739
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 74.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion: 117 Resp: 710097
Ion Ratio Lower Upper
117 100
82 53.0 44.0 66.0
119 31.1 25.6 38.4





#71

Bromoform

Concen: 0.390 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN078620.D

Acq: 21 Jul 2023 17:49

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

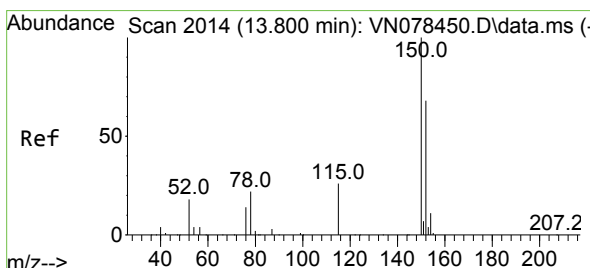
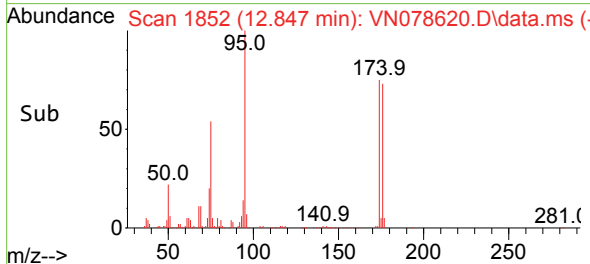
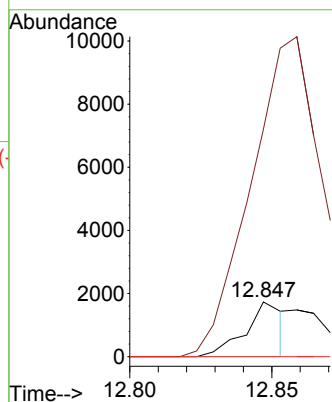
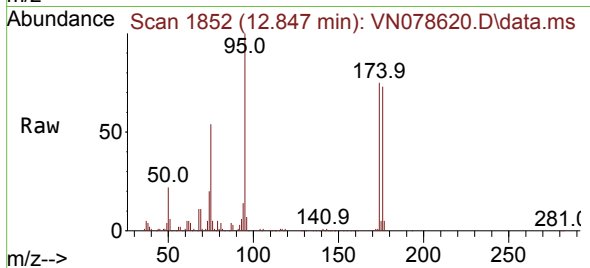
Tgt Ion:173 Resp: 1611

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

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. -0.006 min

Lab File: VN078620.D

Acq: 21 Jul 2023 17:49

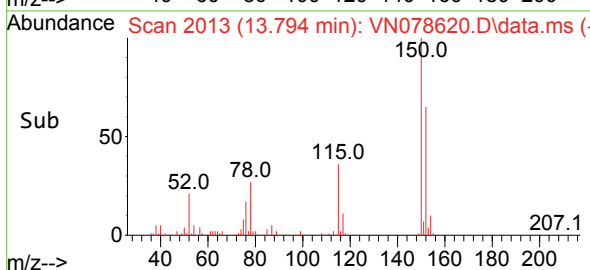
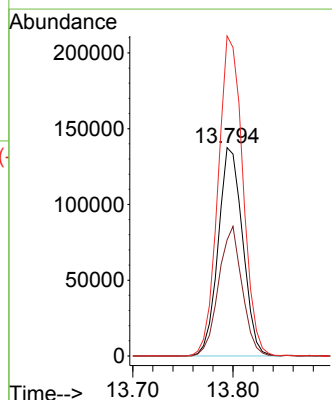
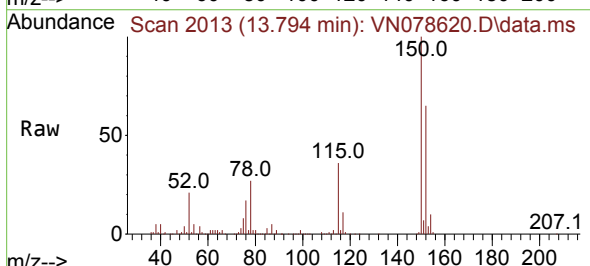
Tgt Ion:152 Resp: 232960

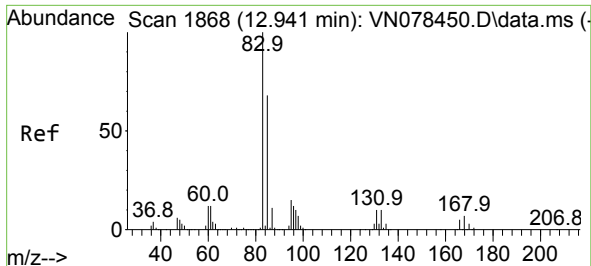
Ion Ratio Lower Upper

152 100

115 59.8 32.3 96.8

150 155.5 0.0 355.8

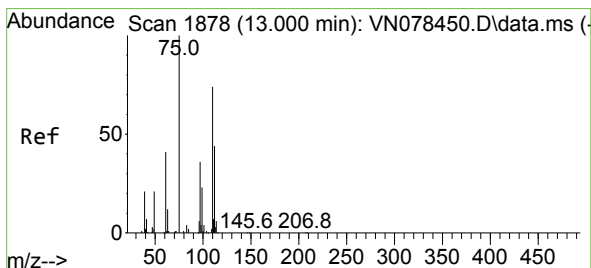
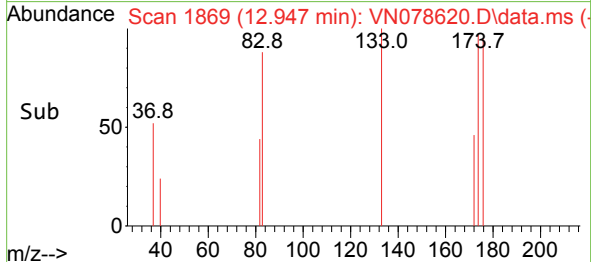
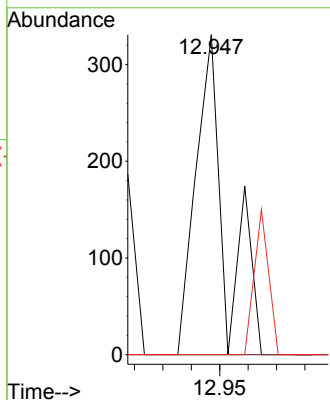
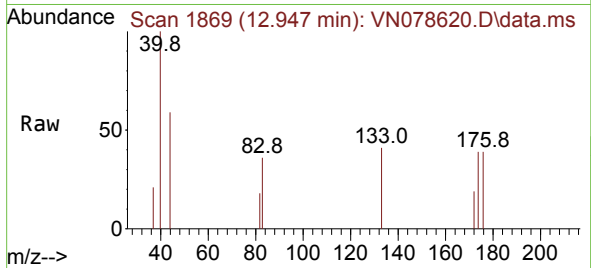




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

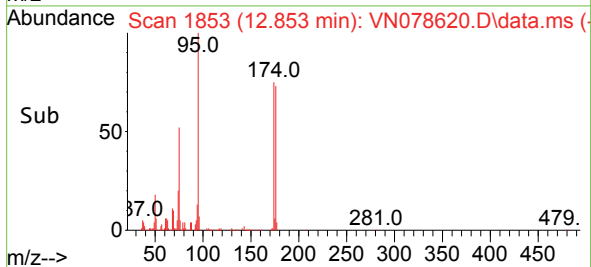
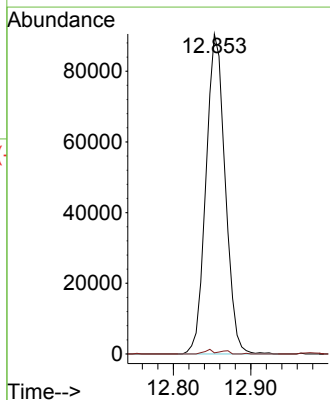
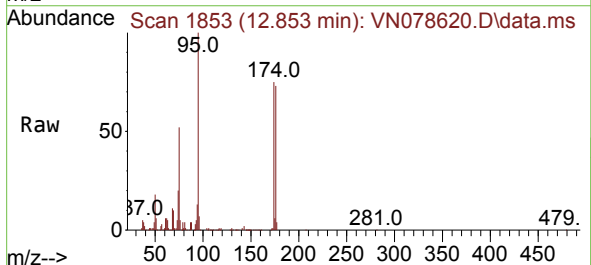
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

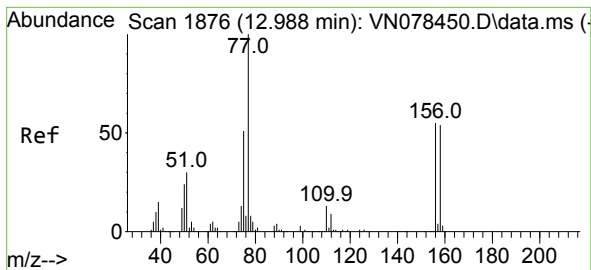
Tgt Ion: 83 Resp: 241
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 22.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 27.696 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion: 75 Resp: 155954
Ion Ratio Lower Upper
75 100
77 0.7 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN078620.D

Acq: 21 Jul 2023 17:49

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

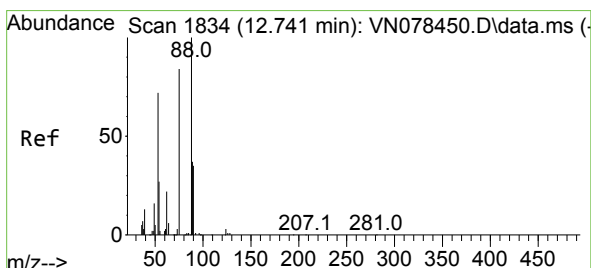
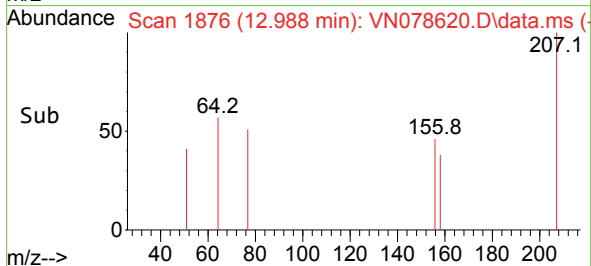
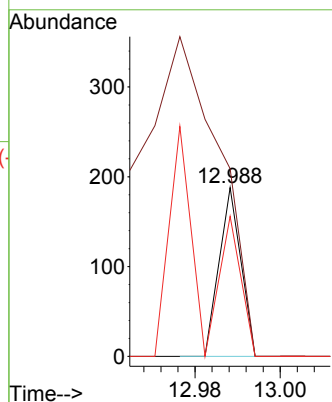
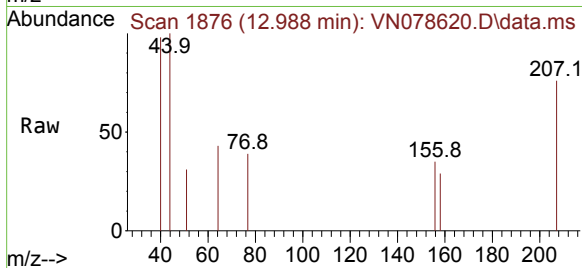
Tgt Ion:156 Resp: 66

Ion Ratio Lower Upper

156 100

77 690.9 107.7 323.3#

158 219.7 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.780 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078620.D

Acq: 21 Jul 2023 17:49

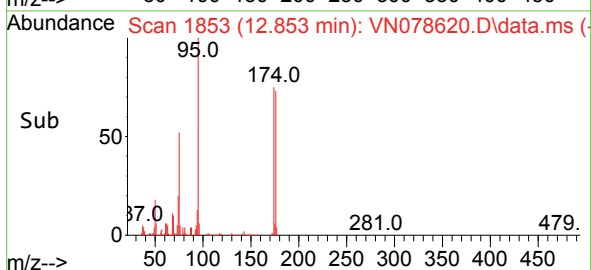
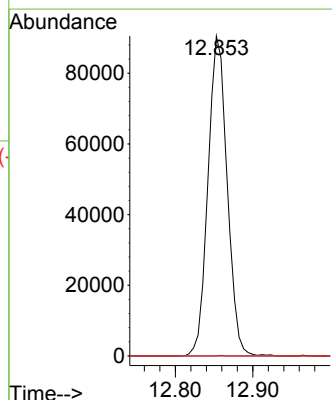
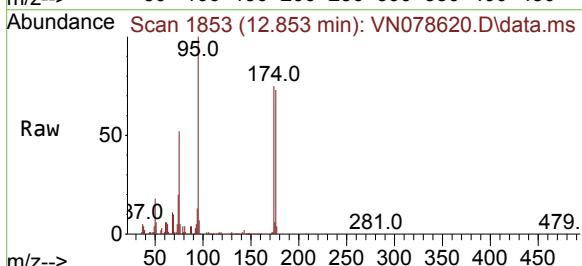
Tgt Ion: 75 Resp: 155954

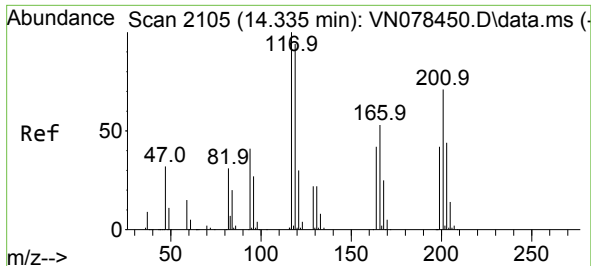
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

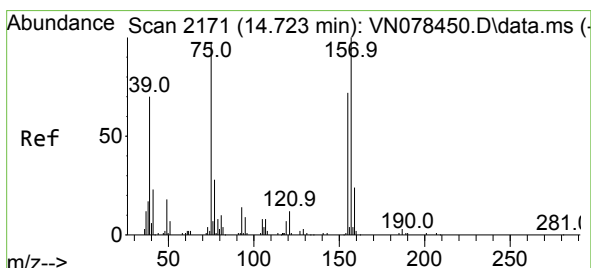
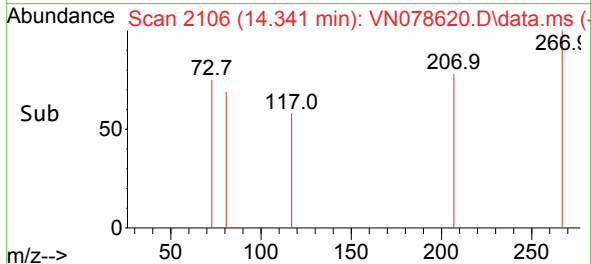
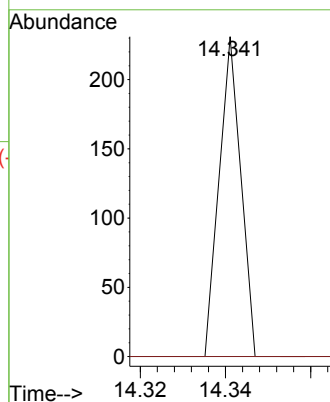
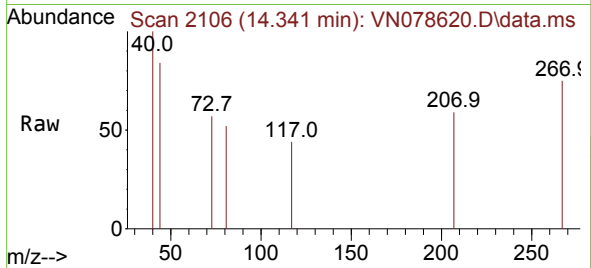




#90
Hexachloroethane
Concen: Below Cal
RT: 14.341 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion:117 Resp: 82
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.588 min Scan# 2148
Delta R.T. -0.135 min
Lab File: VN078620.D
Acq: 21 Jul 2023 17:49

Tgt Ion: 75 Resp: 94
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#

