

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072723\
 Data File : VN078660.D
 Acq On : 27 Jul 2023 14:09
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 28 01:06:29 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

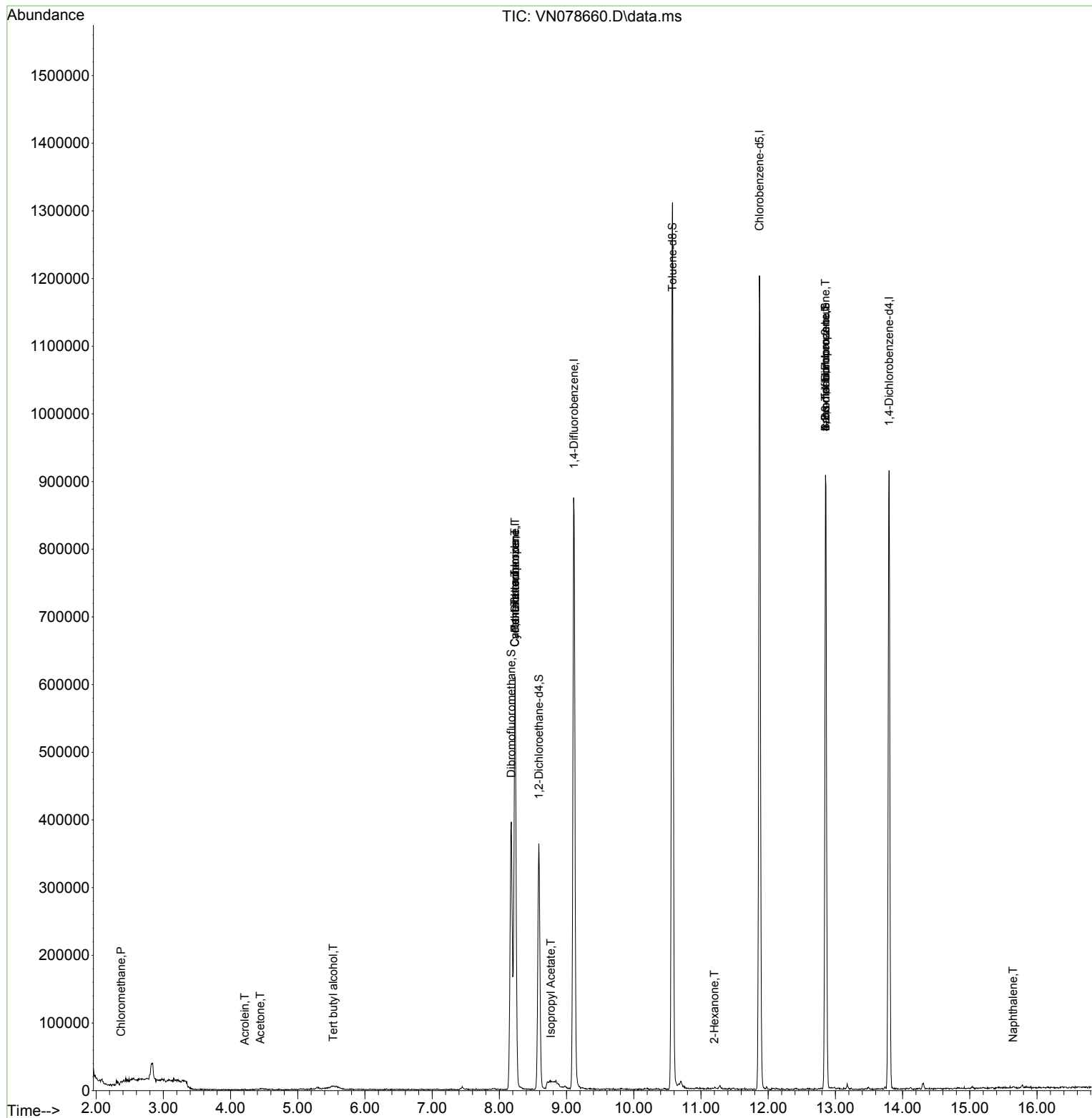
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	445469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	792596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	738816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	258580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	287566	48.152	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.300%
35) Dibromofluoromethane	8.177	113	284127	52.808	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.620%
50) Toluene-d8	10.576	98	948728	46.677	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.360%
62) 4-Bromofluorobenzene	12.853	95	312165	49.861	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1825	0.307	ug/l #	80
5) Bromomethane	2.965	94	1588	Below Cal		90
6) Chloroethane	3.100	64	2686	Below Cal	#	88
11) Tert butyl alcohol	5.530	59	516	0.560	ug/l #	72
13) Acrolein	4.212	56	274	0.302	ug/l #	59
16) Acetone	4.442	43	432	0.232	ug/l #	88
20) Methylene Chloride	5.283	84	1517	Below Cal	#	76
31) Cyclohexane	8.230	56	9176	1.137	ug/l #	18
36) 1,1-Dichloropropene	8.235	75	34023	4.379	ug/l #	50
38) Carbon Tetrachloride	8.230	117	46264	5.479	ug/l #	17
43) Isopropyl Acetate	8.765	43	14628	1.372	ug/l #	49
59) 2-Hexanone	11.200	43	1408	0.312	ug/l #	58
71) Bromoform	12.853	173	2406	0.559	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	218	Below Cal	#	86
76) 1,2,3-Trichloropropane	12.853	75	166041	26.566	ug/l #	1
77) Bromobenzene	12.988	156	61	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	166041	69.810	ug/l #	15
90) Hexachloroethane	14.441	117	71	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.729	75	70	Below Cal	#	4
95) Naphthalene	15.647	128	2167	0.214	ug/l #	88

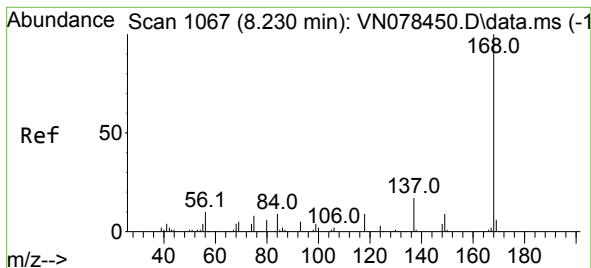
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 10 16:13:53 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078660.D

Acq: 27 Jul 2023 14:09

Instrument :

MSVOA_N

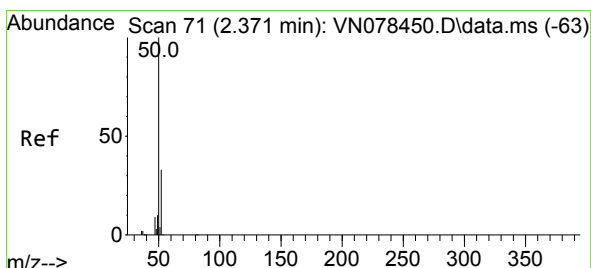
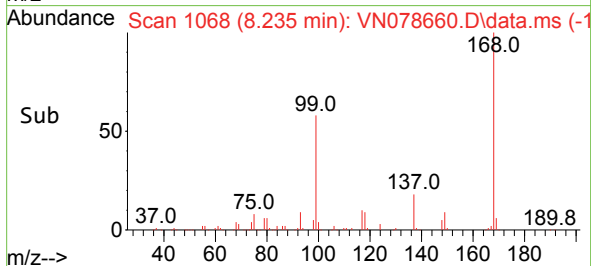
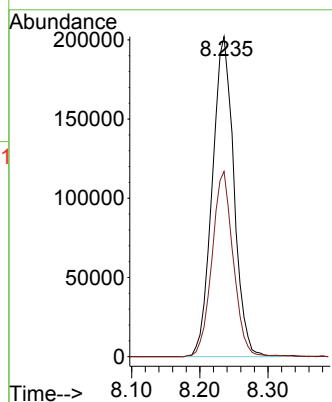
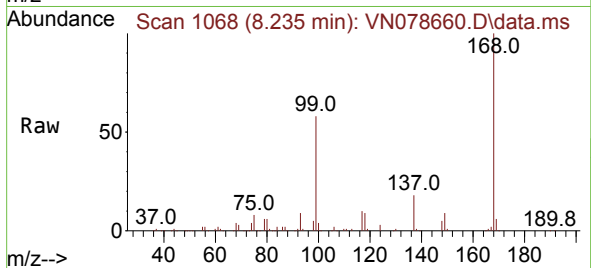
ClientSampleId :

Tgt Ion:168 Resp: 445469

Ion Ratio Lower Upper

168 100

99 57.9 53.0 79.6



#3

Chloromethane

Concen: 0.307 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078660.D

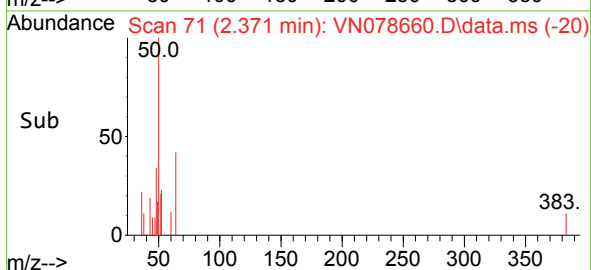
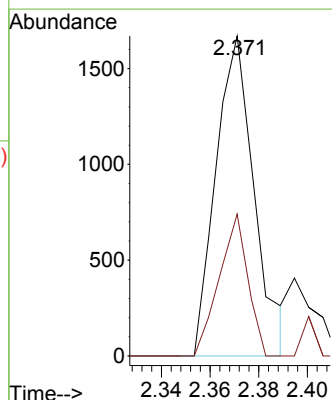
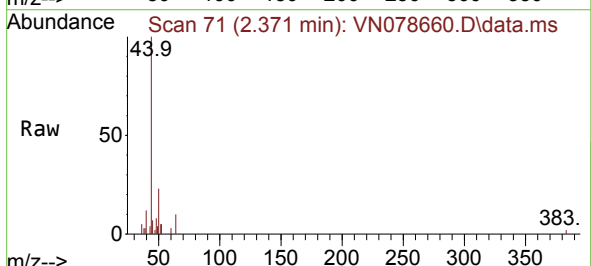
Acq: 27 Jul 2023 14:09

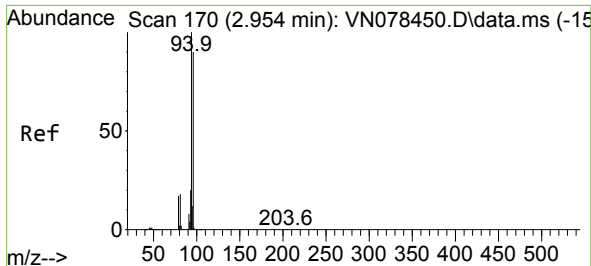
Tgt Ion: 50 Resp: 1825

Ion Ratio Lower Upper

50 100

52 44.4 26.5 39.7#

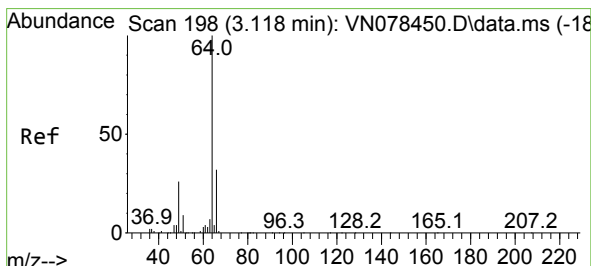
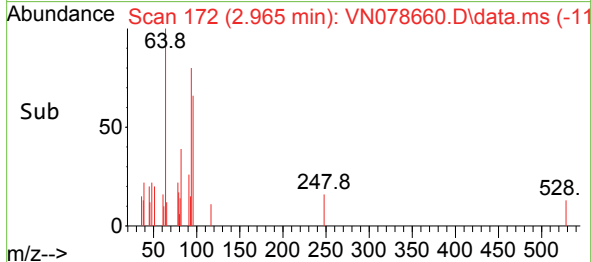
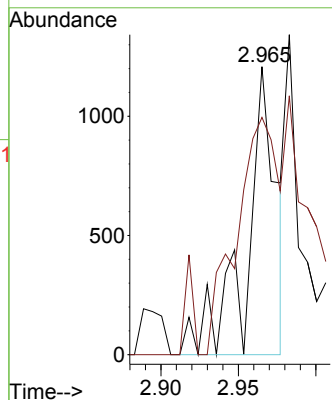
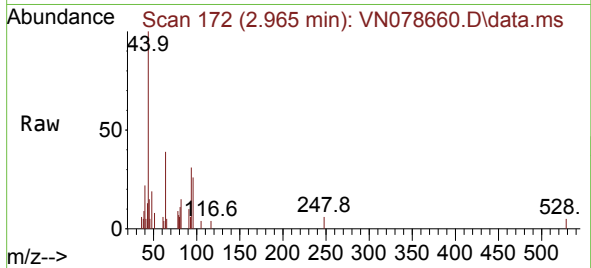




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

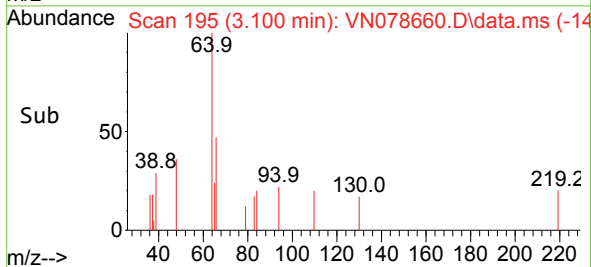
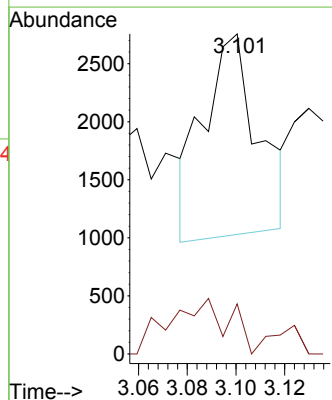
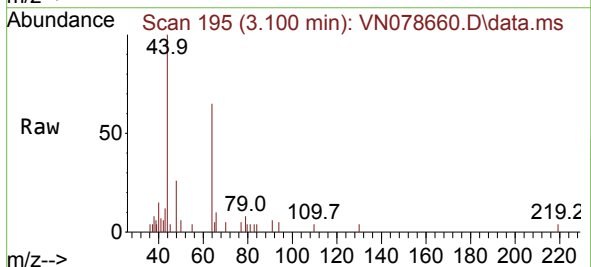
Instrument :
MSVOA_N
ClientSampleId :

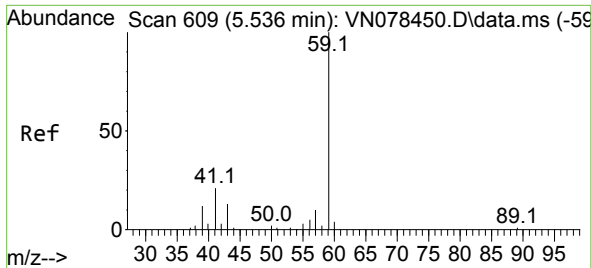
Tgt Ion: 94 Resp: 1588
Ion Ratio Lower Upper
94 100
96 82.4 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

Tgt Ion: 64 Resp: 2686
Ion Ratio Lower Upper
64 100
66 25.0 25.4 38.2#

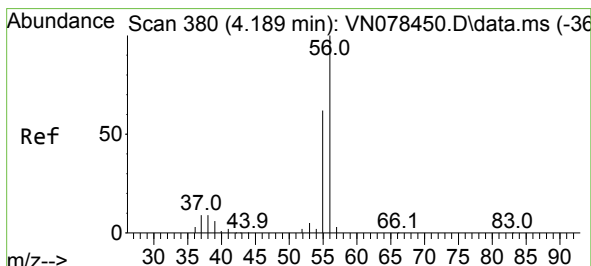
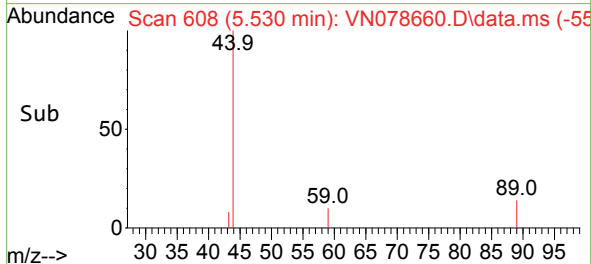
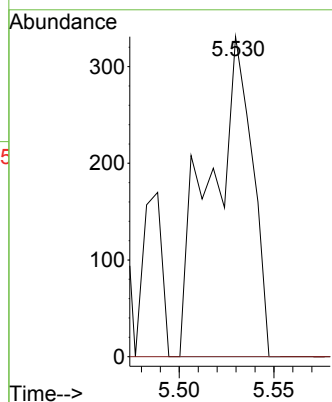
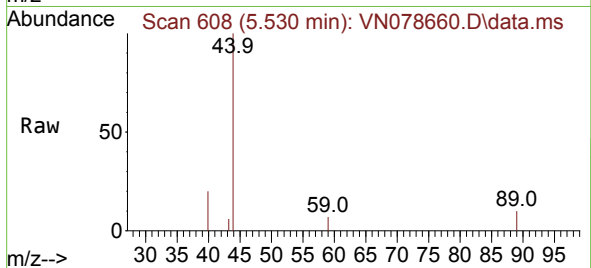




#11
Tert butyl alcohol
Concen: 0.560 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

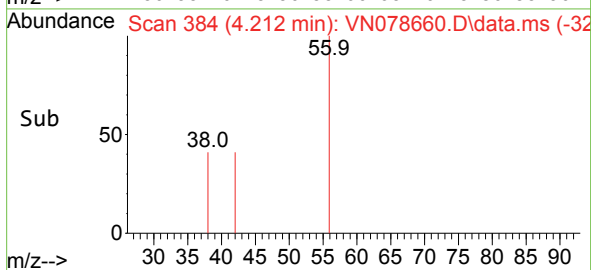
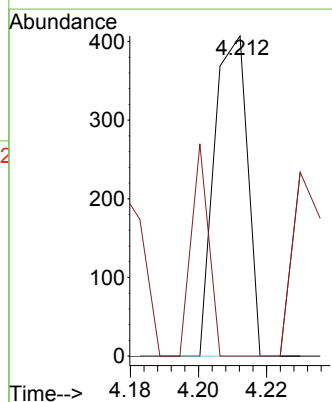
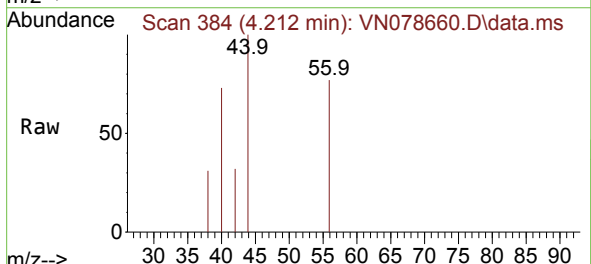
Instrument :
MSVOA_N
ClientSampleId :

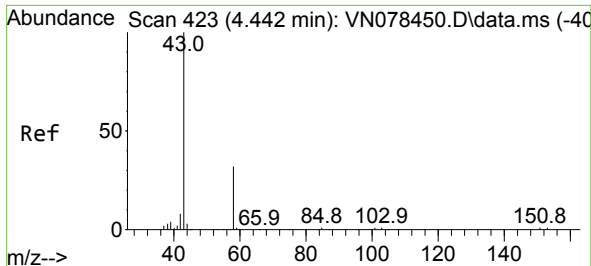
Tgt Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.302 ug/l
RT: 4.212 min Scan# 384
Delta R.T. 0.023 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 34.7 54.5 81.7#

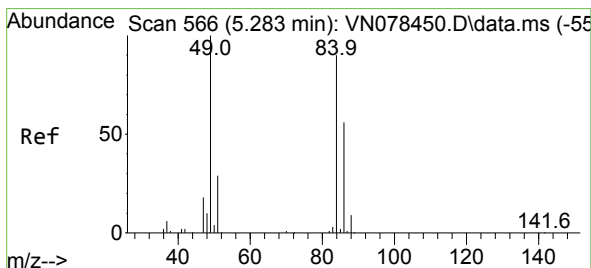
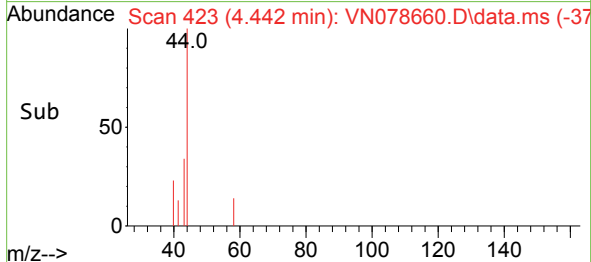
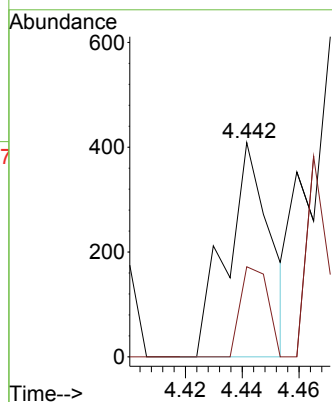
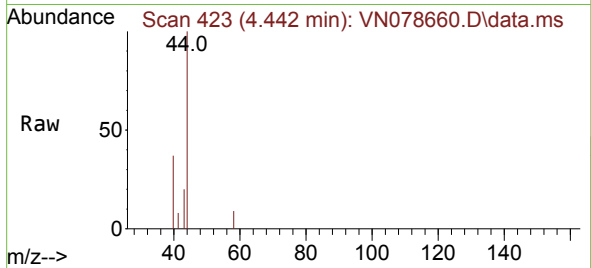




#16
Acetone
Concen: 0.232 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

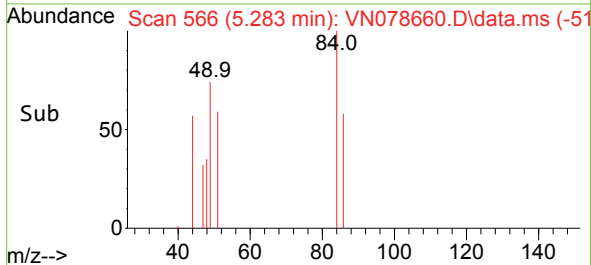
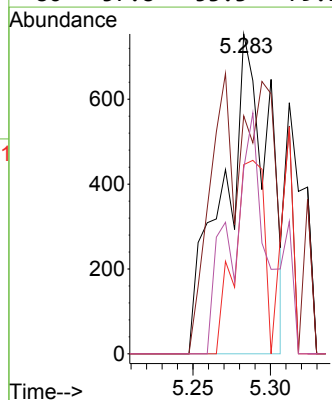
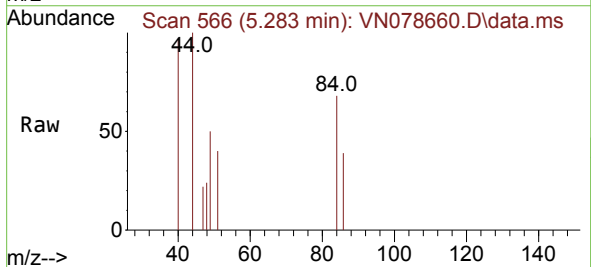
Instrument :
MSVOA_N
ClientSampleId :

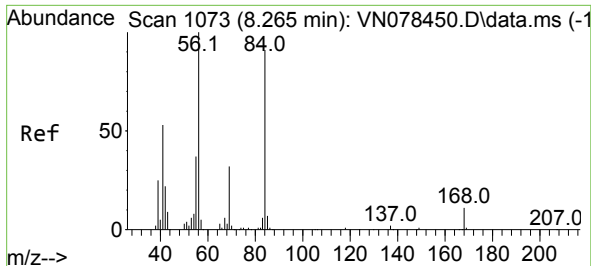
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 42.1 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

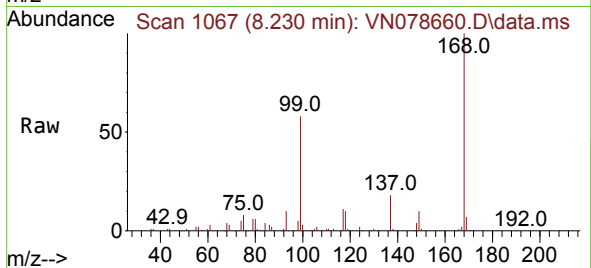
Tgt Ion: 84 Resp: 1517
Ion Ratio Lower Upper
84 100
49 74.4 79.7 119.5#
51 59.2 25.2 37.8#
86 57.8 53.3 79.9



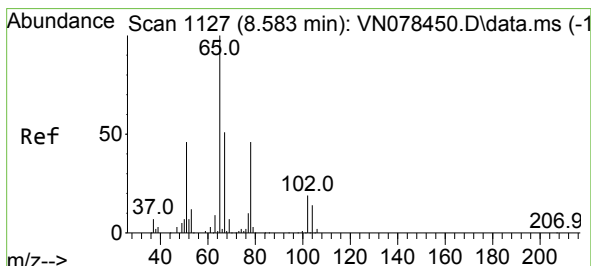
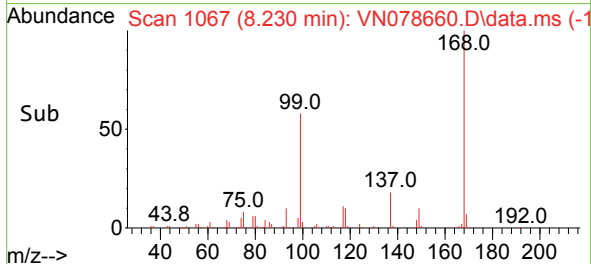
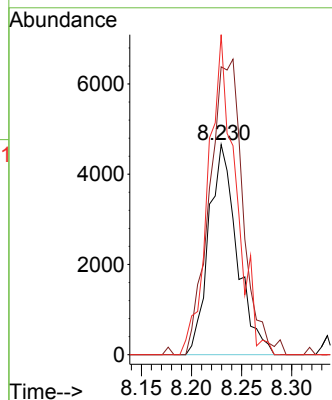


#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

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ClientSampleId :

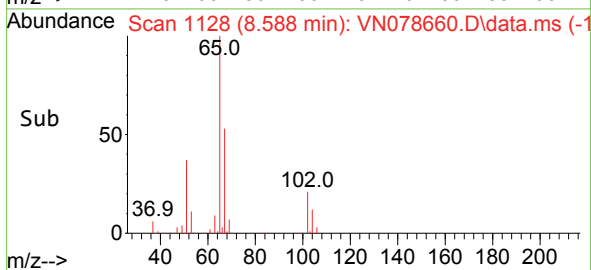
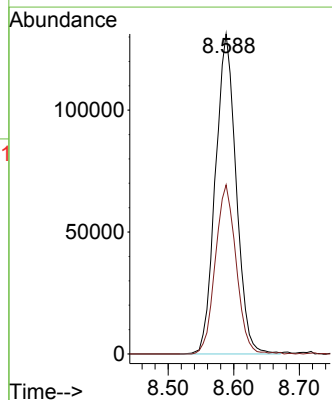
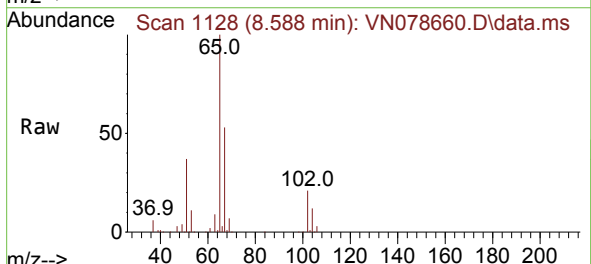


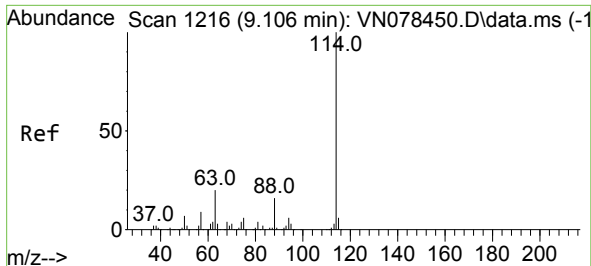
Tgt Ion: 56 Resp: 9176
Ion Ratio Lower Upper
56 100
69 137.0 26.8 40.2#
84 152.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 48.152 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

Tgt Ion: 65 Resp: 287566
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078660.D

Acq: 27 Jul 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

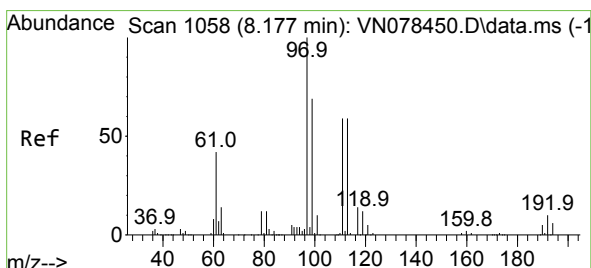
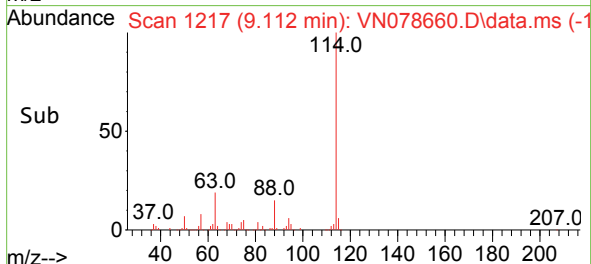
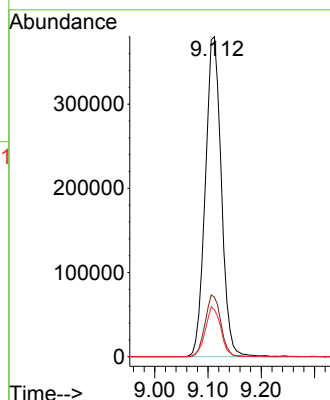
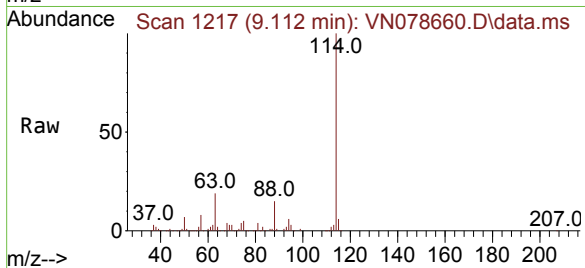
Tgt Ion:114 Resp: 792596

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.808 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078660.D

Acq: 27 Jul 2023 14:09

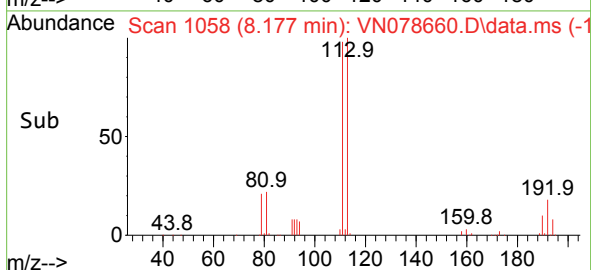
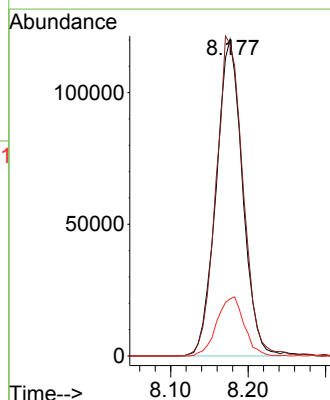
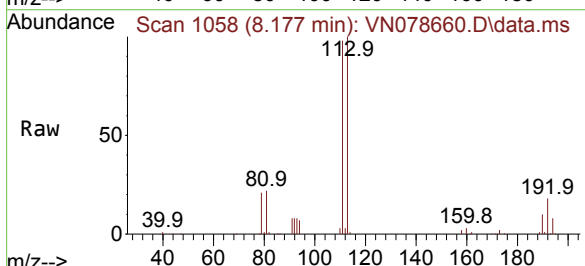
Tgt Ion:113 Resp: 284127

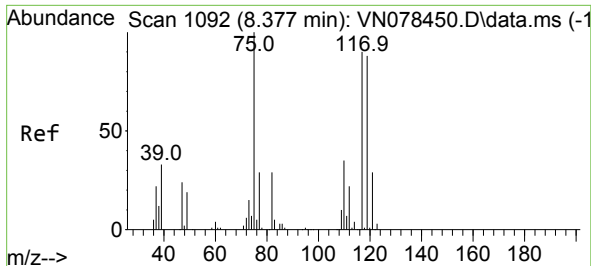
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 19.3 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.379 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

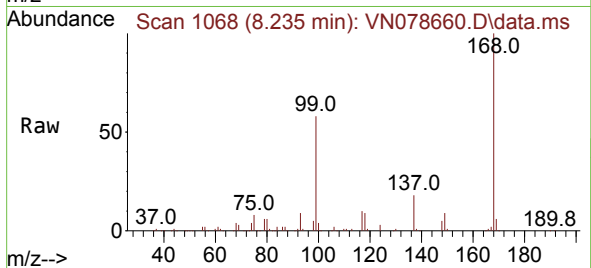
Lab File: VN078660.D

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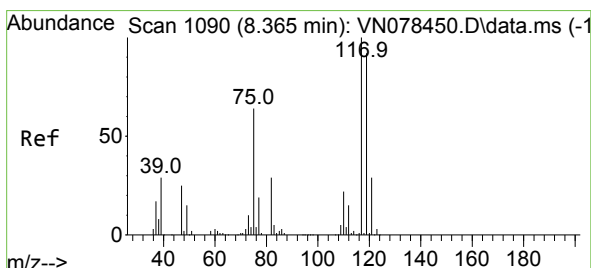
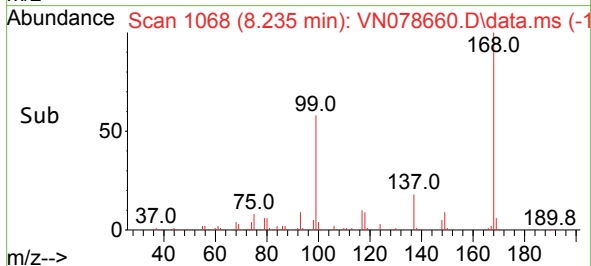
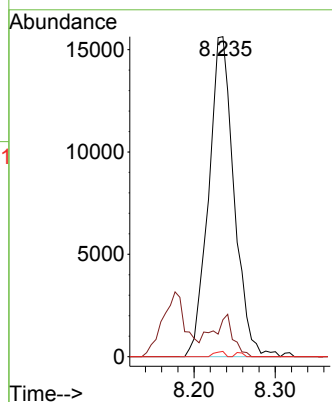
Tgt Ion: 75 Resp: 34023

Ion Ratio Lower Upper

75 100

110 11.0 19.1 57.3#

77 0.7 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.479 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN078660.D

Acq: 27 Jul 2023 14:09

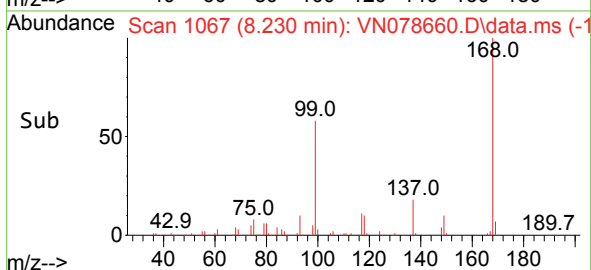
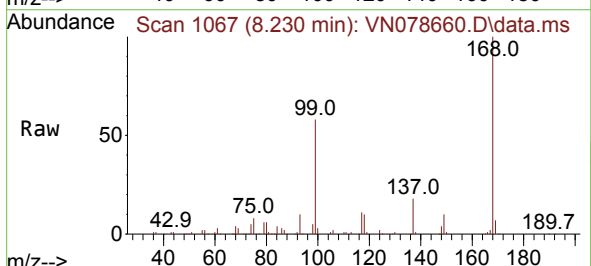
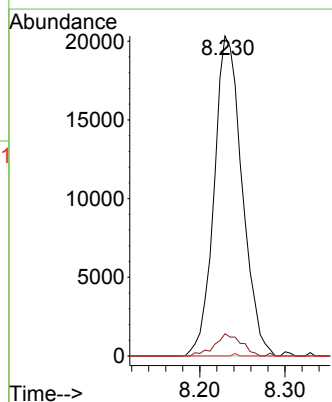
Tgt Ion: 117 Resp: 46264

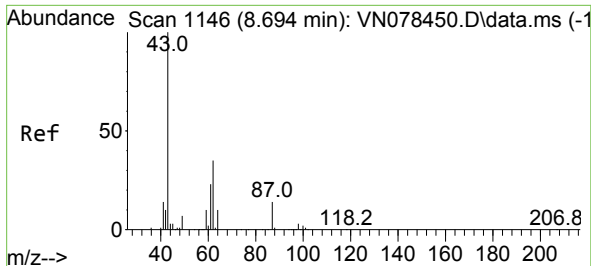
Ion Ratio Lower Upper

117 100

119 6.9 77.3 115.9#

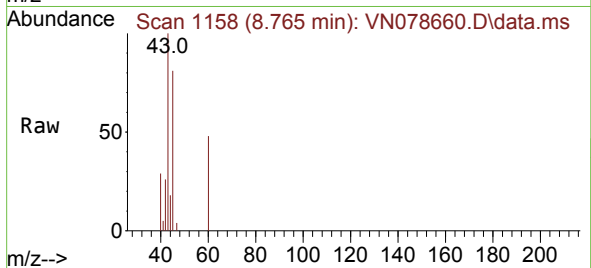
121 0.0 23.3 34.9#



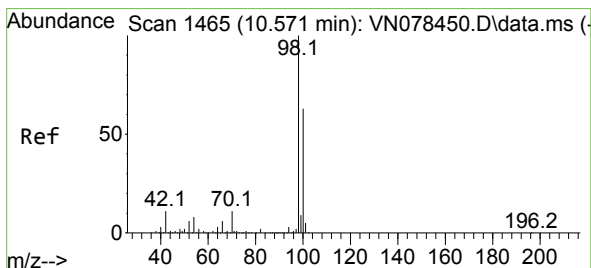
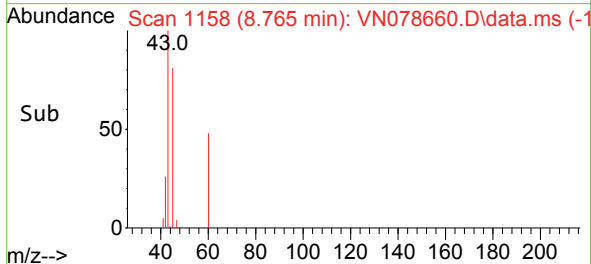
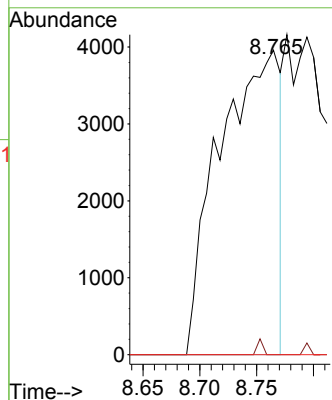


#43
Isopropyl Acetate
Concen: 1.372 ug/l
RT: 8.765 min Scan# 1158
Delta R.T. 0.071 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

Instrument :
MSVOA_N
ClientSampleId :

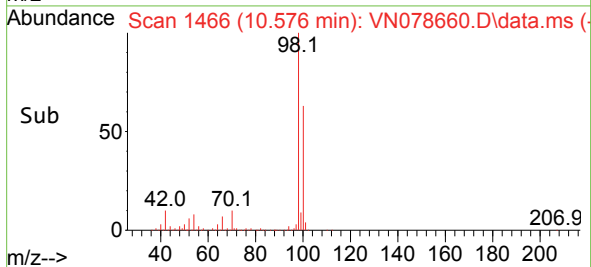
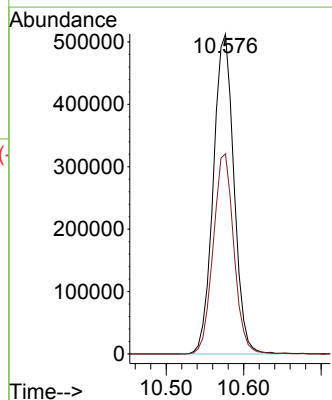
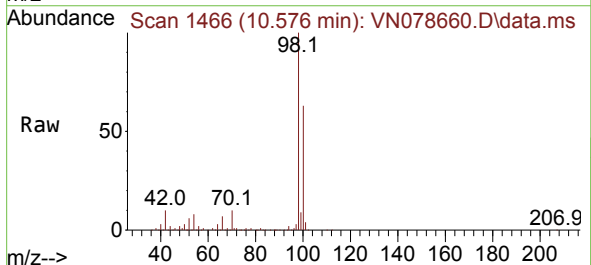


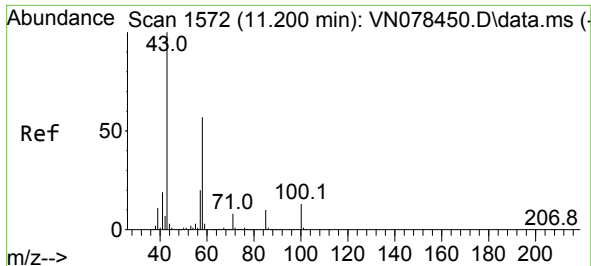
Tgt Ion: 43 Resp: 14628
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.677 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

Tgt Ion: 98 Resp: 948728
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

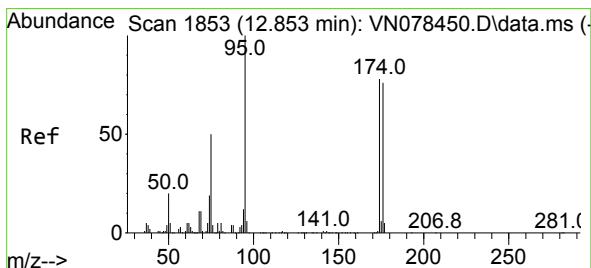
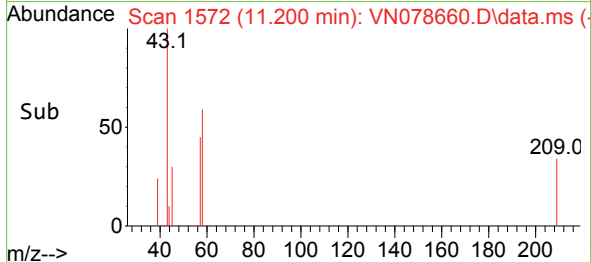
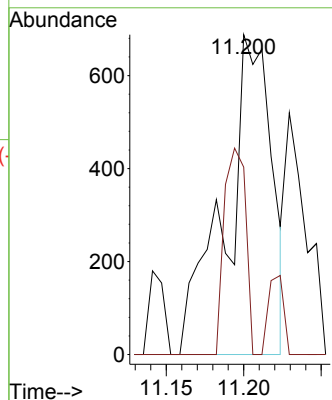
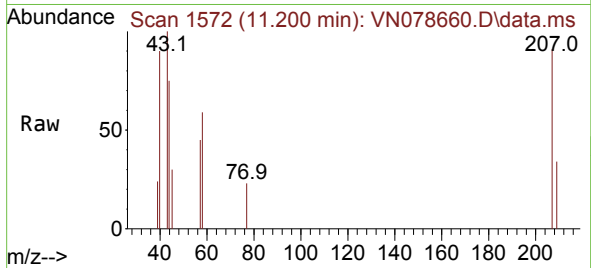




#59
2-Hexanone
Concen: 0.312 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

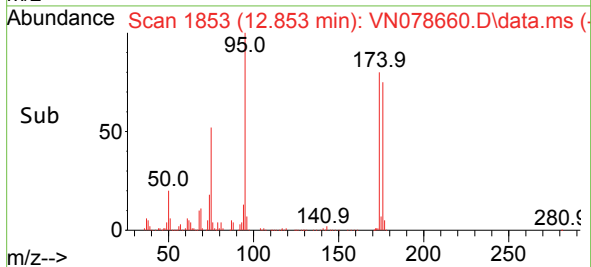
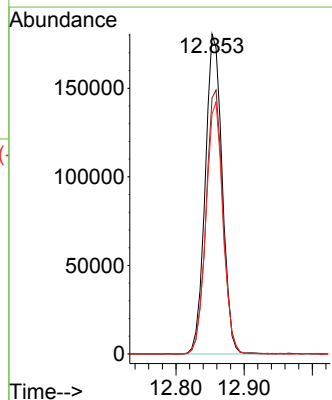
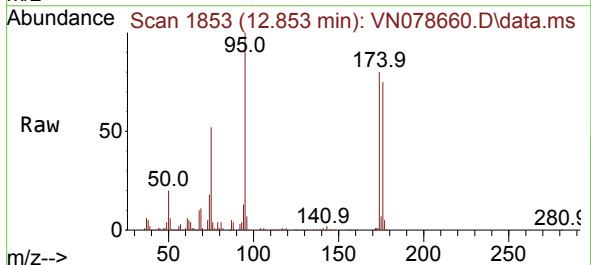
Instrument :
MSVOA_N
ClientSampleId :

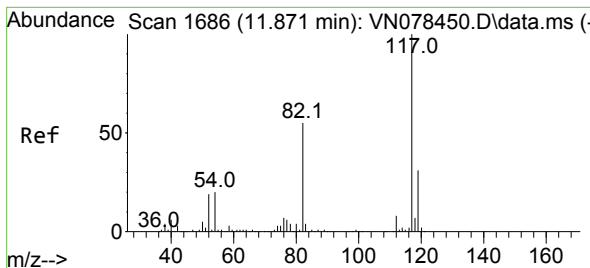
Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
58 30.4 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.861 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

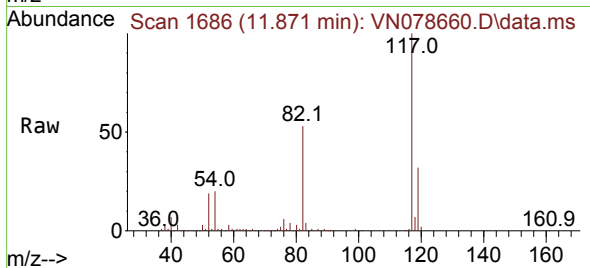
Tgt Ion: 95 Resp: 312165
Ion Ratio Lower Upper
95 100
174 82.4 0.0 143.8
176 78.8 0.0 135.8



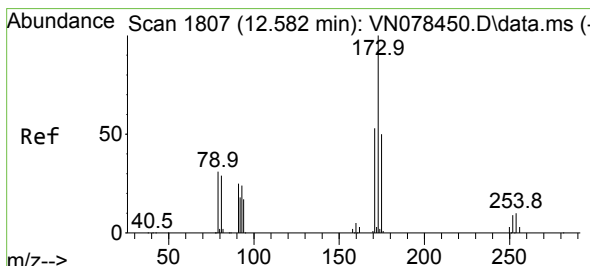
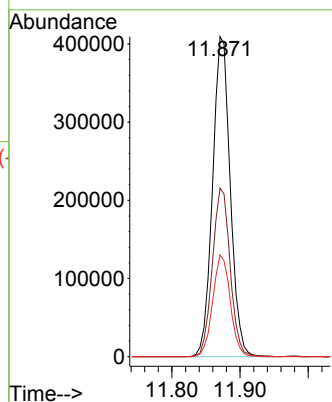
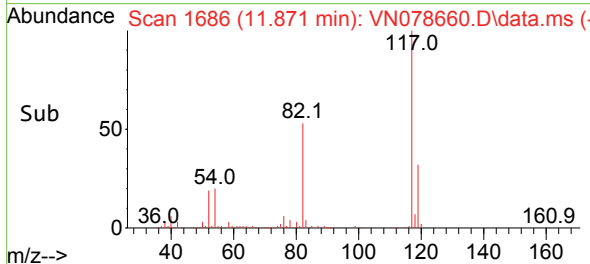


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

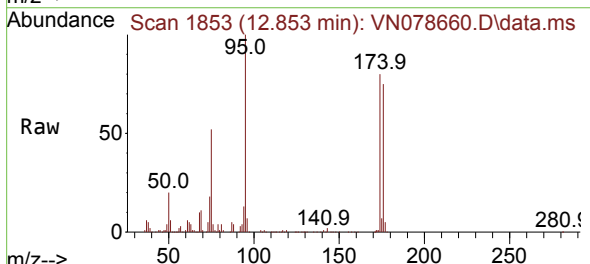
Instrument :
MSVOA_N
ClientSampleId :



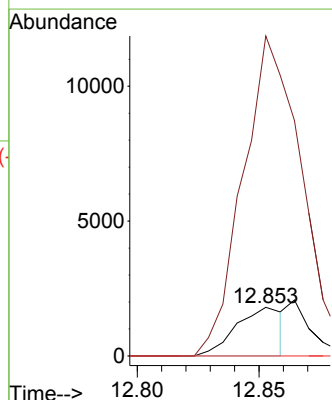
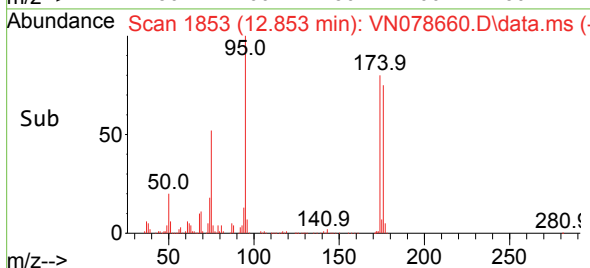
Tgt Ion:117 Resp: 738816
Ion Ratio Lower Upper
117 100
82 52.6 44.0 66.0
119 31.9 25.6 38.4

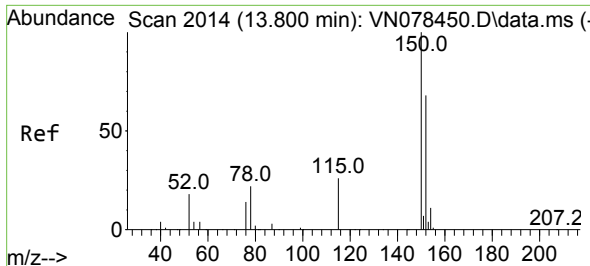


#71
Bromoform
Concen: 0.559 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09



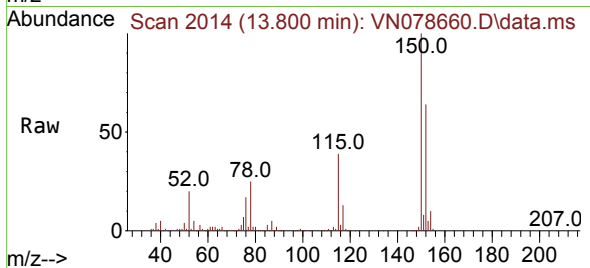
Tgt Ion:173 Resp: 2406
Ion Ratio Lower Upper
173 100
175 568.8 24.3 73.0#
254 0.0 0.0 0.0



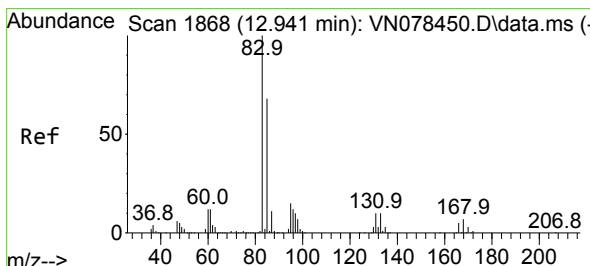
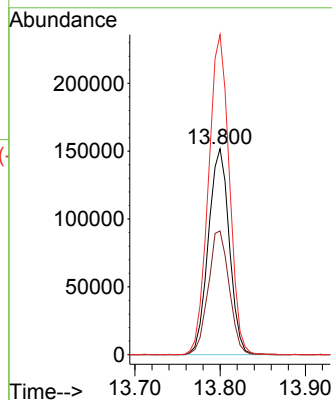
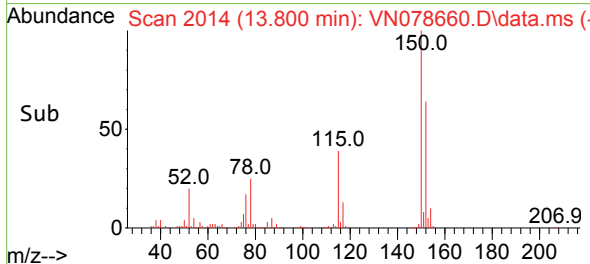


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078660.D
 Acq: 27 Jul 2023 14:09

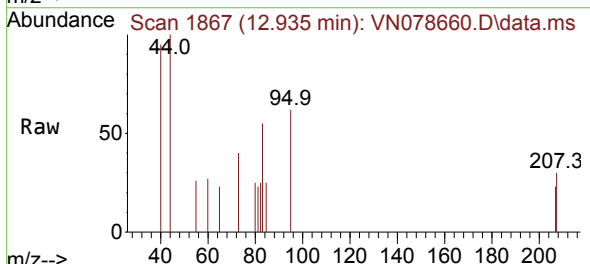
Instrument :
 MSVOA_N
 ClientSampleId :



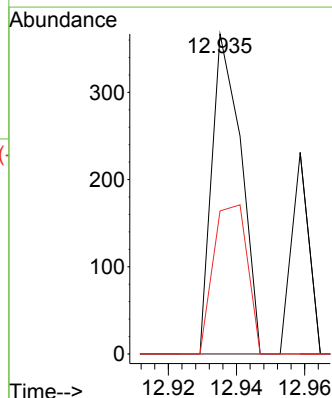
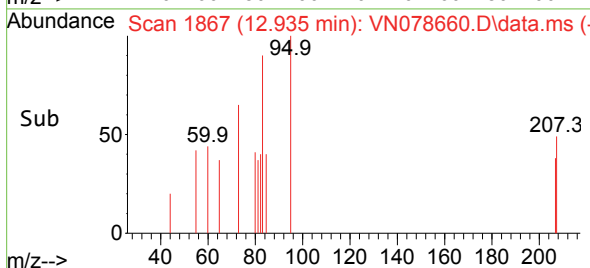
Tgt Ion:152 Resp: 258580
 Ion Ratio Lower Upper
 152 100
 115 60.5 32.3 96.8
 150 154.9 0.0 355.8

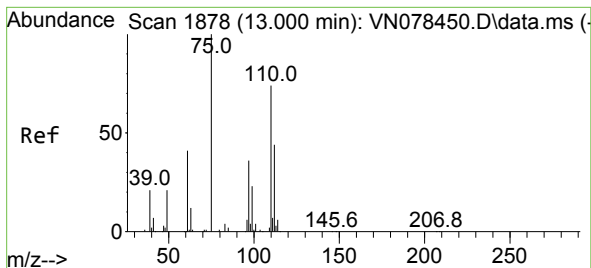


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: VN078660.D
 Acq: 27 Jul 2023 14:09



Tgt Ion: 83 Resp: 218
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 54.1 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 26.566 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078660.D

Acq: 27 Jul 2023 14:09

Instrument :

MSVOA_N

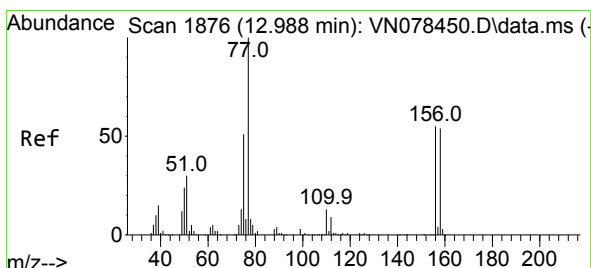
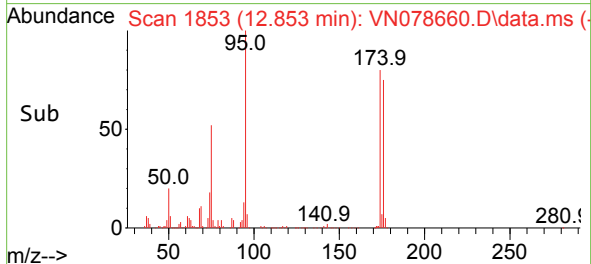
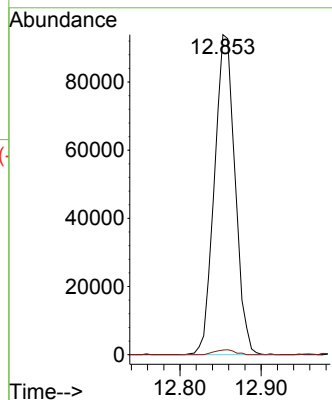
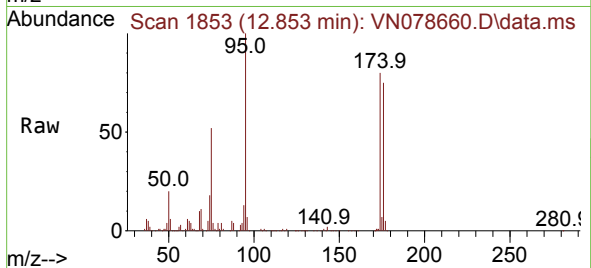
ClientSampleId :

Tgt Ion: 75 Resp: 166041

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN078660.D

Acq: 27 Jul 2023 14:09

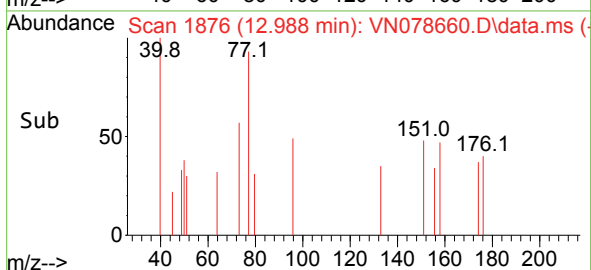
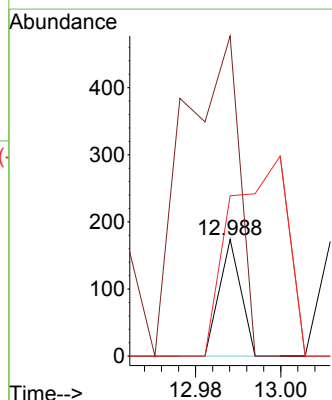
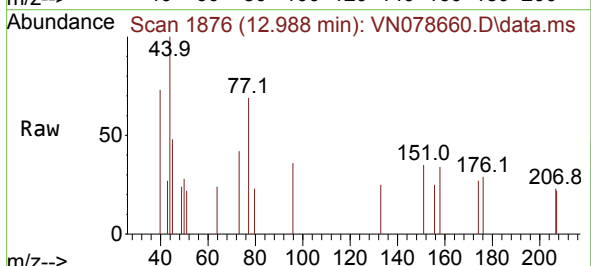
Tgt Ion:156 Resp: 61

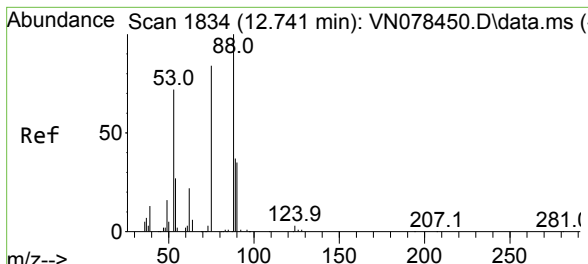
Ion Ratio Lower Upper

156 100

77 700.0 107.7 323.3#

158 0.0 48.4 145.3#

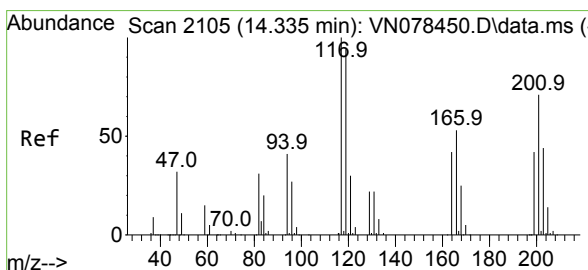
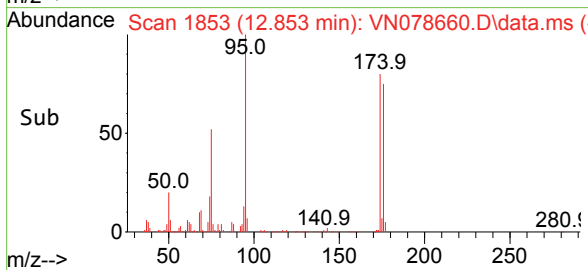
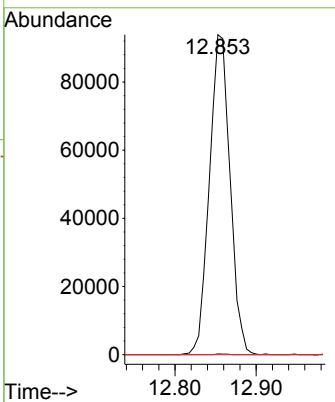
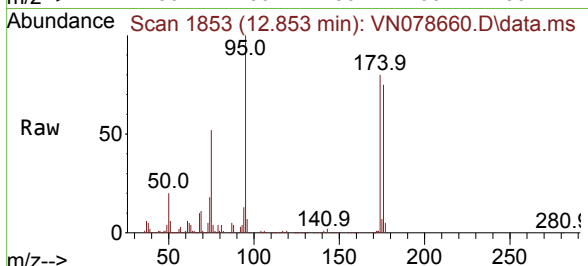




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.810 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078660.D
 Acq: 27 Jul 2023 14:09

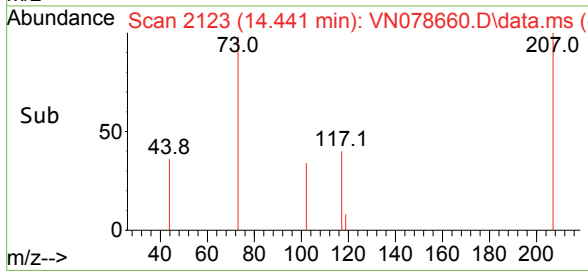
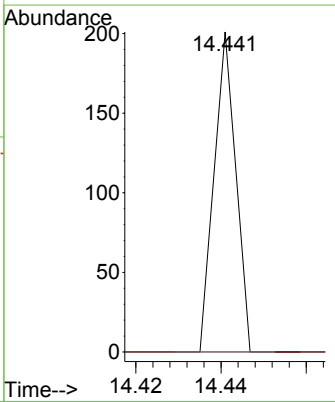
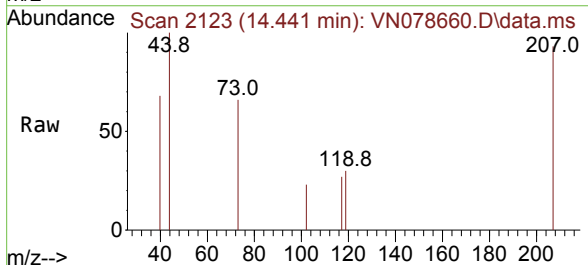
Instrument :
 MSVOA_N
 ClientSampleId :

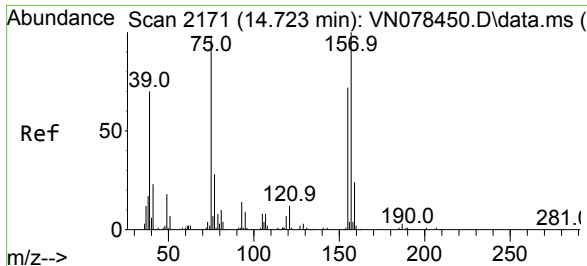
Tgt Ion:	75	Resp:	166041
Ion Ratio	Lower	Upper	
75	100		
53	0.1	67.4	101.2#
89	0.0	38.8	58.2#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 14.441 min Scan# 2123
 Delta R.T. 0.106 min
 Lab File: VN078660.D
 Acq: 27 Jul 2023 14:09

Tgt Ion:	117	Resp:	71
Ion Ratio	Lower	Upper	
117	100		
201	0.0	29.3	88.0#

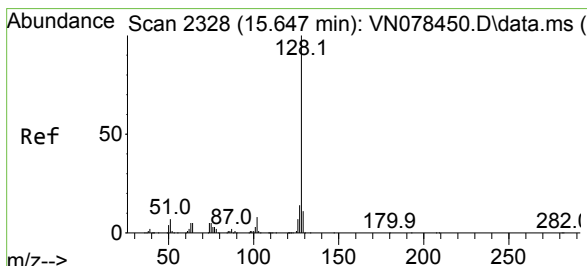
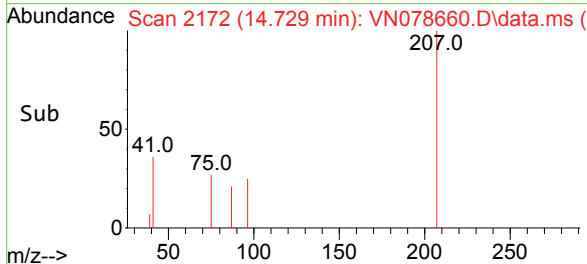
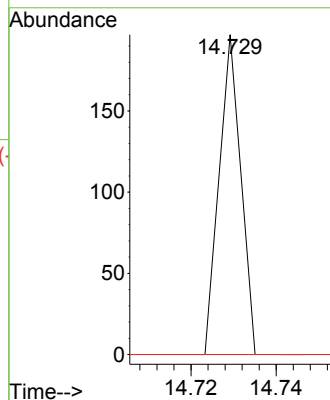
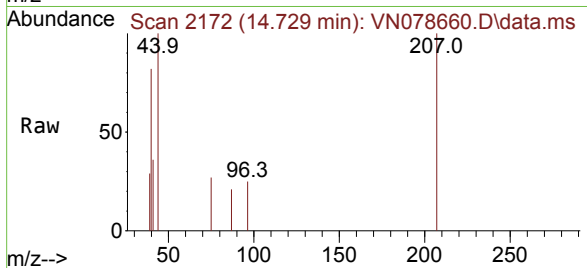




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.729 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#



#95
Naphthalene
Concen: 0.214 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078660.D
Acq: 27 Jul 2023 14:09

Tgt Ion: 128 Resp: 2167
Ion Ratio Lower Upper
128 100
127 10.2 10.0 15.0
129 3.3 8.7 13.1#

