

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078598.D
 Acq On : 20 Jul 2023 17:10
 Operator : JC\MD
 Sample : 03706-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 21 06:18:11 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)

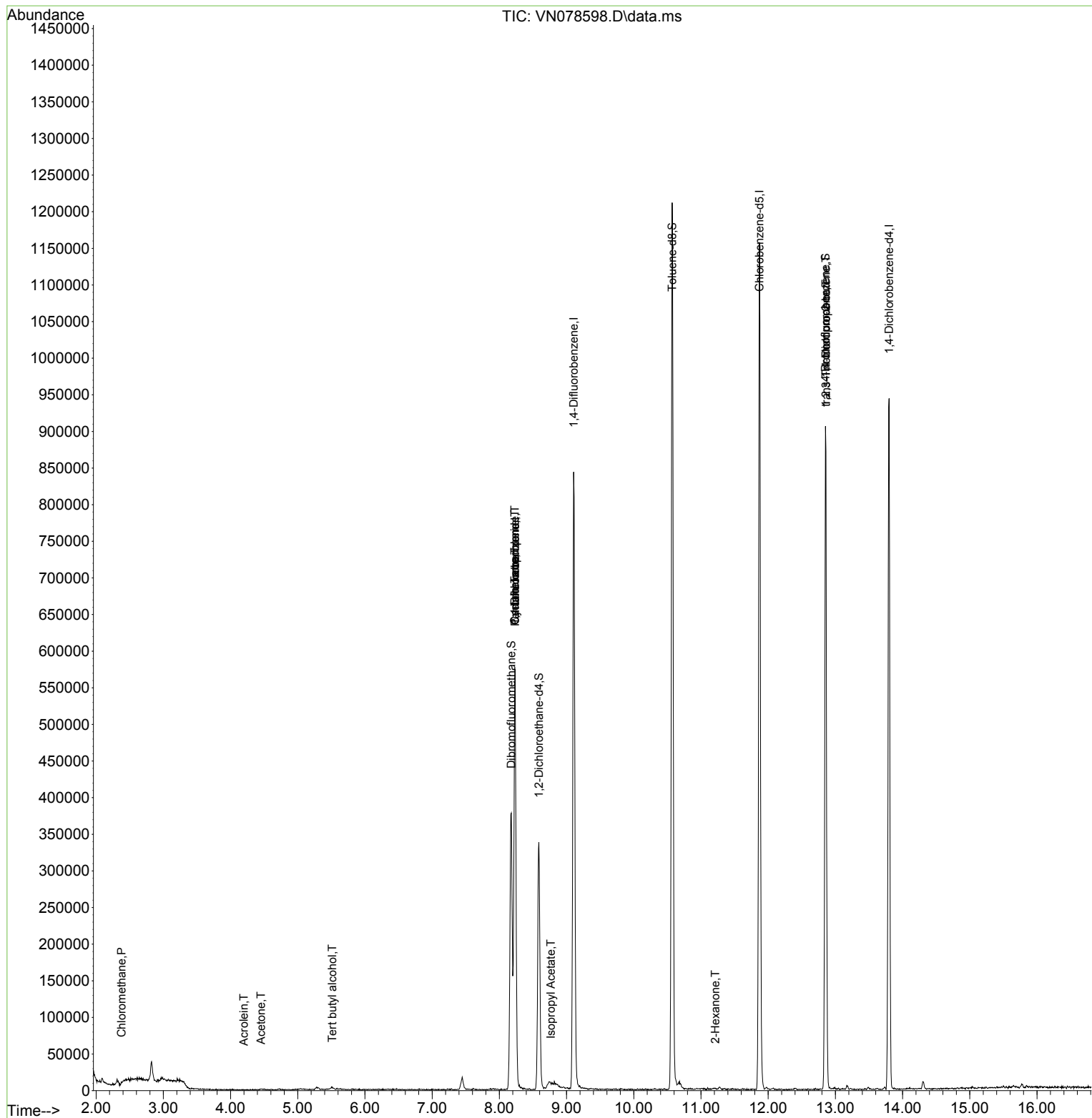
Internal Standards						
1) Pentafluorobenzene	8.236	168	417941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	749259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	701439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	266047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	276647	49.375	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.760%
35) Dibromofluoromethane	8.177	113	281278	55.302	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.600%
50) Toluene-d8	10.571	98	894196	46.538	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.080%
62) 4-Bromofluorobenzene	12.853	95	318942	53.890	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1445	0.259	ug/l #	51
5) Bromomethane	2.971	94	2020	Below Cal		97
6) Chloroethane	3.112	64	399	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	1786	2.067	ug/l #	72
13) Acrolein	4.200	56	242	0.285	ug/l	99
16) Acetone	4.453	43	1395	0.799	ug/l #	84
20) Methylene Chloride	5.283	84	1657	Below Cal	#	73
31) Cyclohexane	8.230	56	9592	1.267	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	34372	4.680	ug/l #	43
38) Carbon Tetrachloride	8.230	117	45176	5.660	ug/l #	16
43) Isopropyl Acetate	8.765	43	10590	1.051	ug/l #	49
59) 2-Hexanone	11.212	43	1611	0.378	ug/l	61
75) 1,1,2,2-Tetrachloroethane	12.929	83	126	Below Cal	#	93
76) 1,2,3-Trichloropropane	12.859	75	165360	25.714	ug/l #	1
77) Bromobenzene	12.988	156	301	Below Cal		90
81) trans-1,4-Dichloro-2-b...	12.859	75	165360	67.572	ug/l #	15
90) Hexachloroethane	14.335	117	74	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.576	75	63	Below Cal	#	4
94) Hexachlorobutadiene	15.500	225	57	Below Cal	#	19

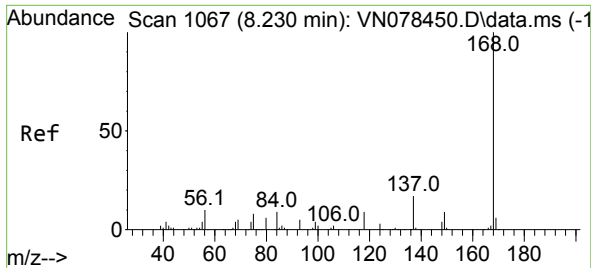
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

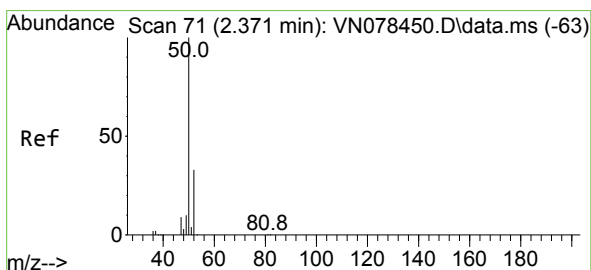
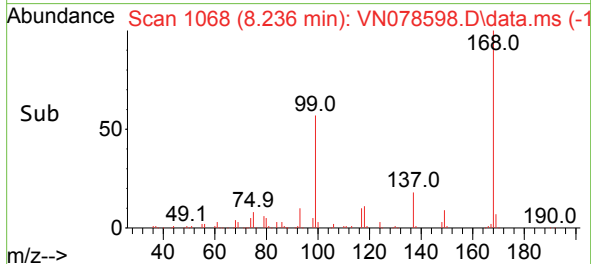
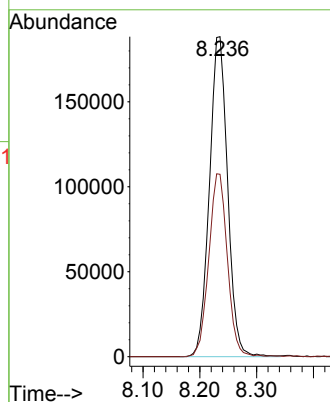
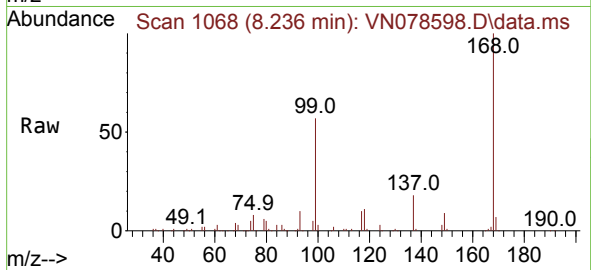




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

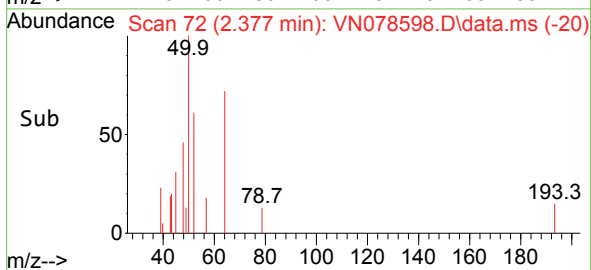
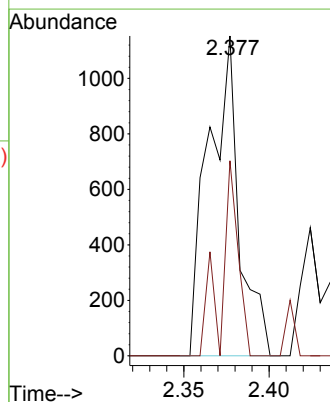
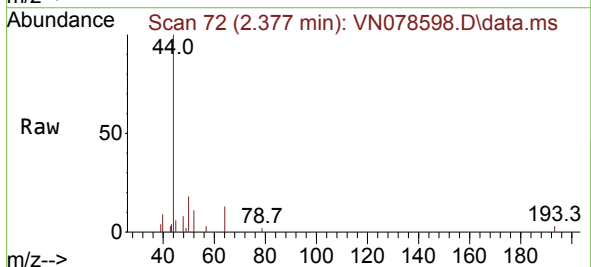
Instrument :
MSVOA_N
ClientSampleId :

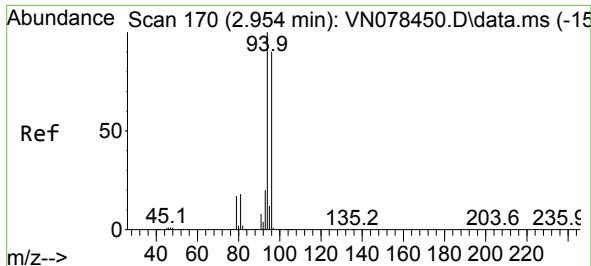
Tgt Ion:168 Resp: 417941
Ion Ratio Lower Upper
168 100
99 57.0 53.0 79.6



#3
Chloromethane
Concen: 0.259 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Tgt Ion: 50 Resp: 1445
Ion Ratio Lower Upper
50 100
52 61.0 26.5 39.7#

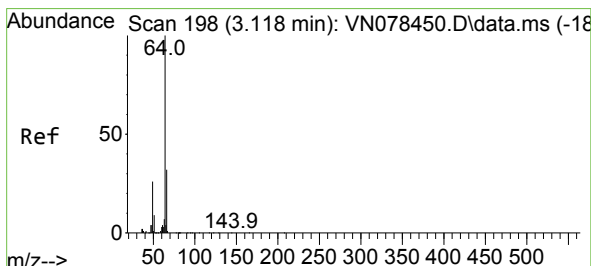
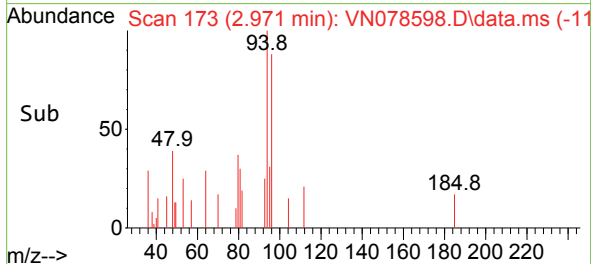
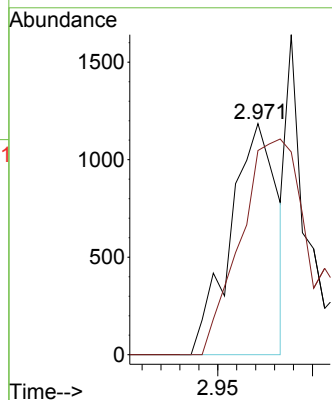
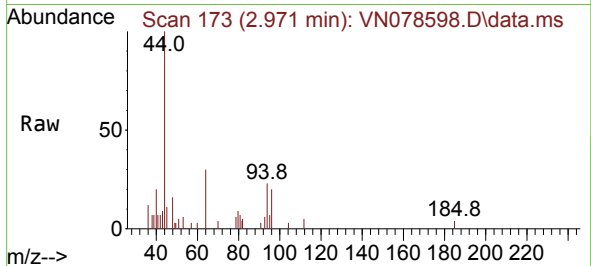




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

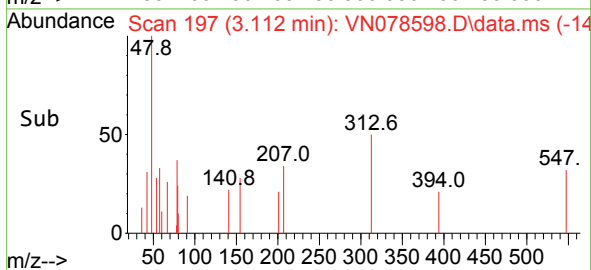
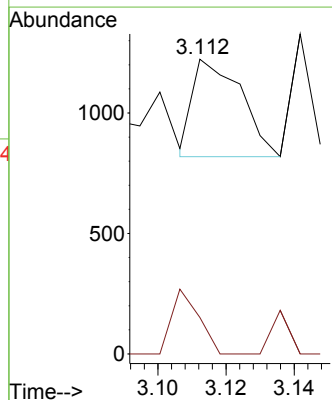
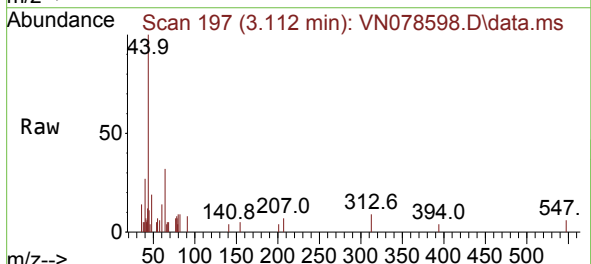
Instrument :
MSVOA_N
ClientSampleId :

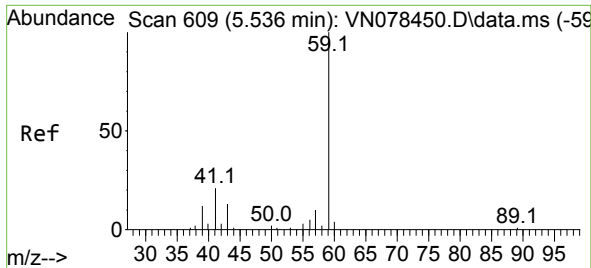
Tgt Ion: 94 Resp: 2020
Ion Ratio Lower Upper
94 100
96 88.4 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

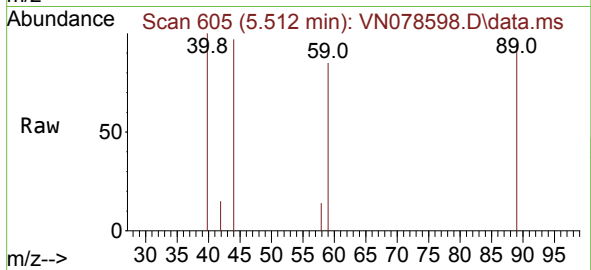
Tgt Ion: 64 Resp: 399
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



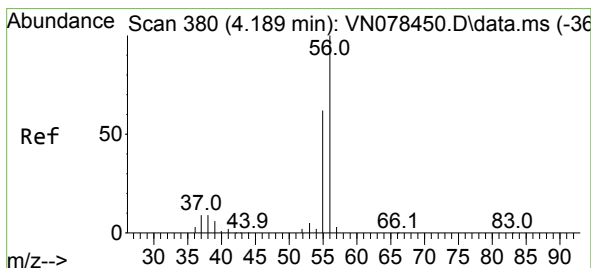
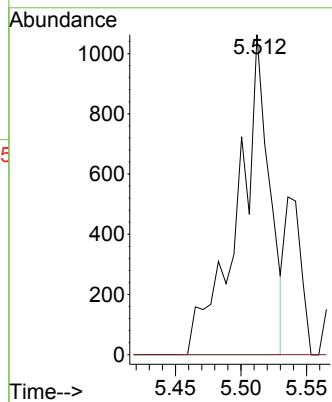
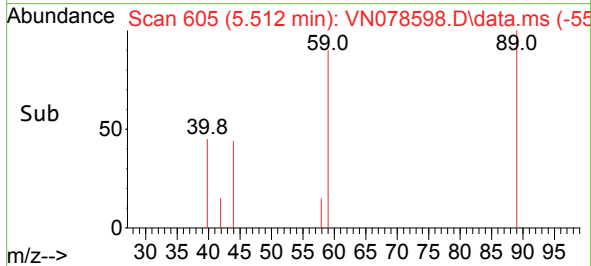


#11
Tert butyl alcohol
Concen: 2.067 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

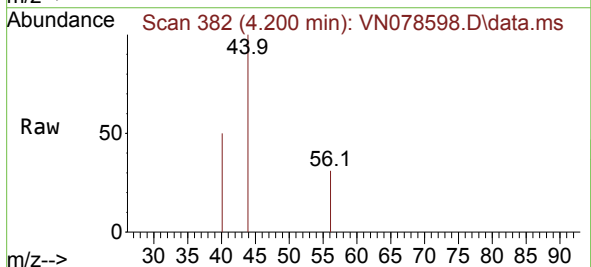
Instrument :
MSVOA_N
ClientSampleId :



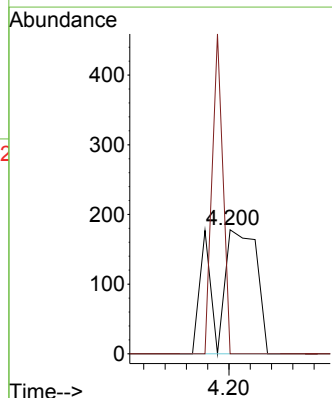
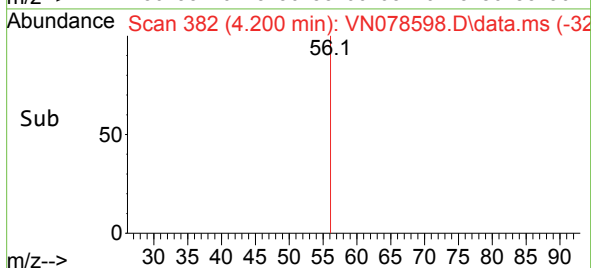
Tgt Ion: 59 Resp: 1786
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

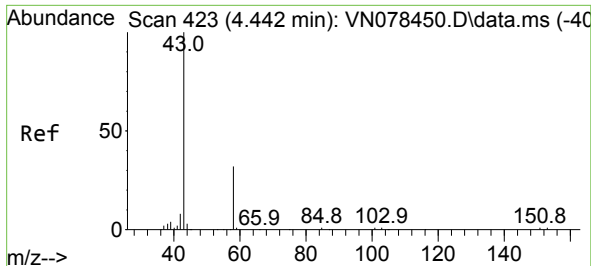


#13
Acrolein
Concen: 0.285 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10



Tgt Ion: 56 Resp: 242
Ion Ratio Lower Upper
56 100
55 66.9 54.5 81.7

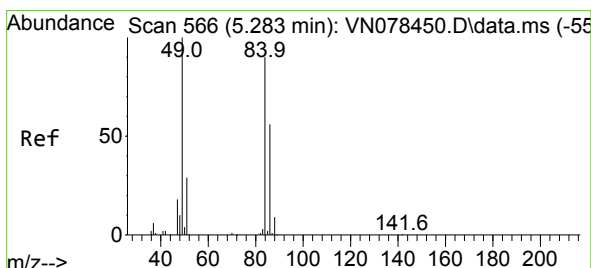
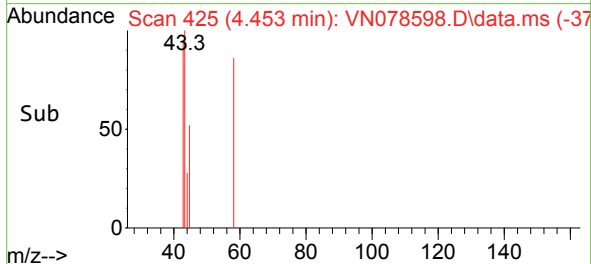
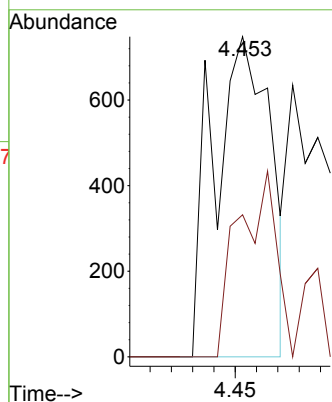
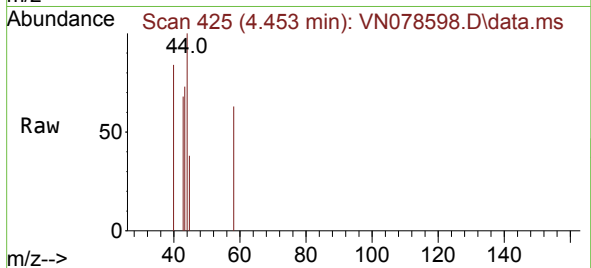




#16
Acetone
Concen: 0.799 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

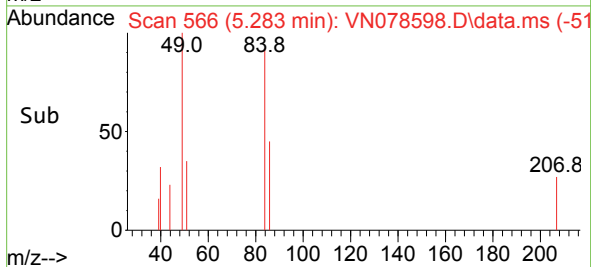
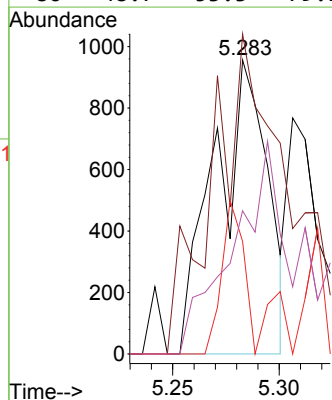
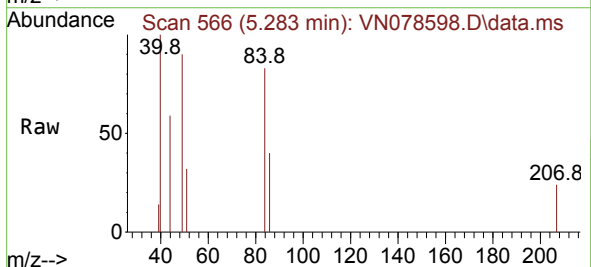
Instrument :
MSVOA_N
ClientSampleId :

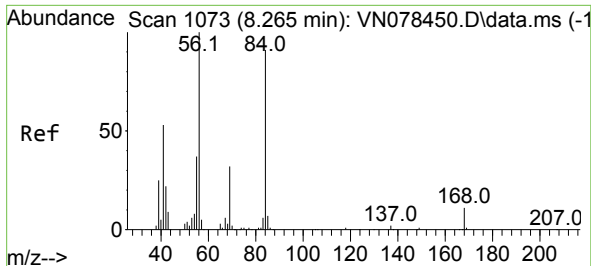
Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 44.4 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Tgt Ion: 84 Resp: 1657
Ion Ratio Lower Upper
84 100
49 65.4 79.7 119.5#
51 38.3 25.2 37.8#
86 48.7 53.3 79.9#

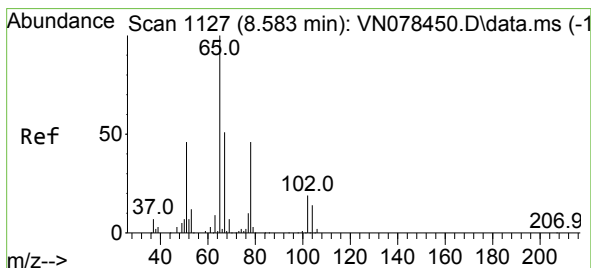
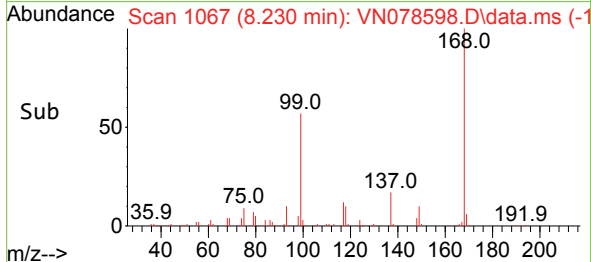
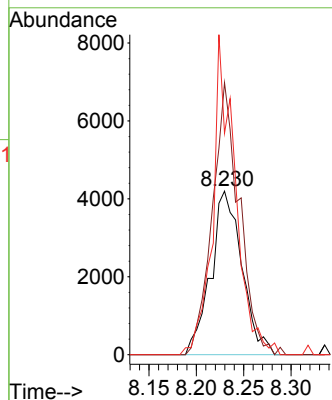
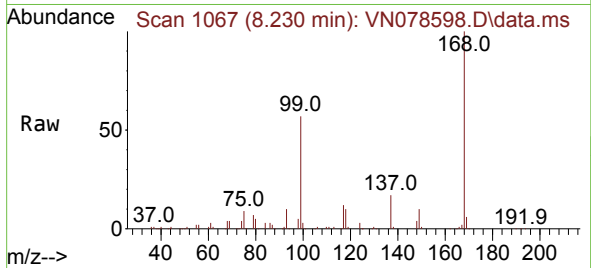




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

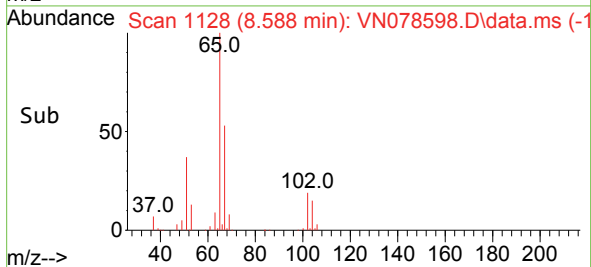
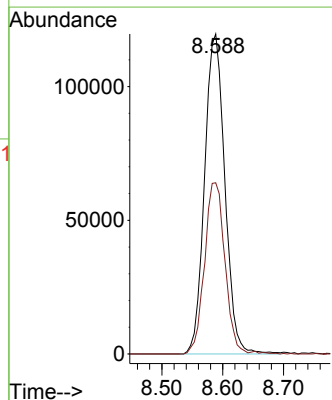
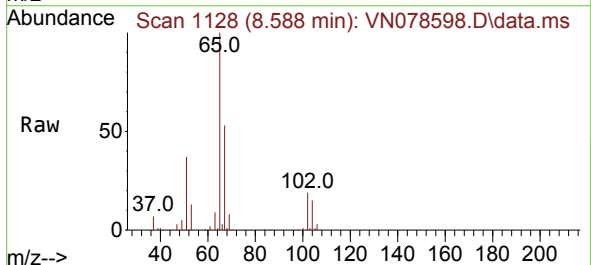
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MSVOA_N
ClientSampleId :

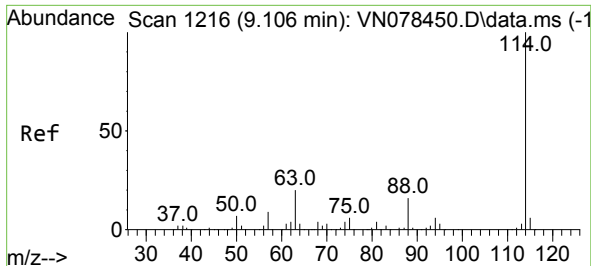
Tgt Ion: 56 Resp: 9592
Ion Ratio Lower Upper
56 100
69 166.3 26.8 40.2#
84 135.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.375 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Tgt Ion: 65 Resp: 276647
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.6

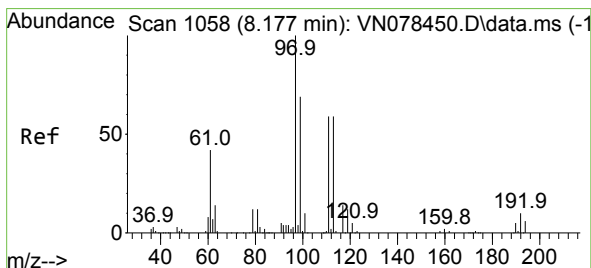
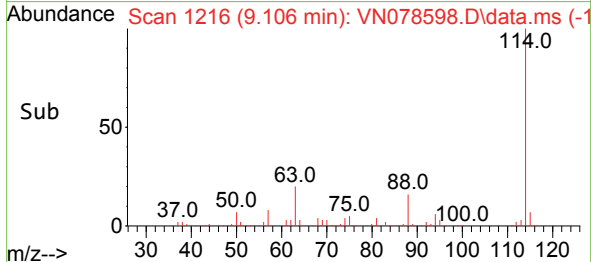
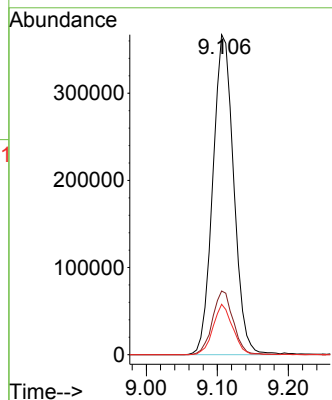
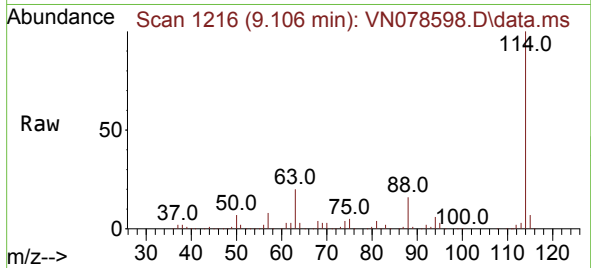




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

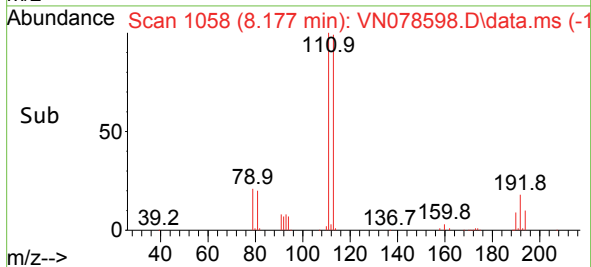
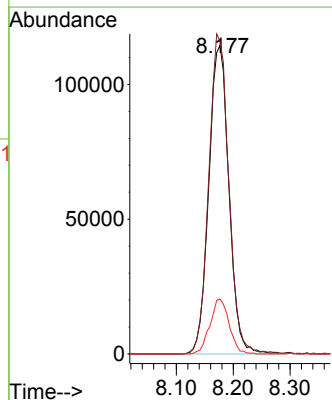
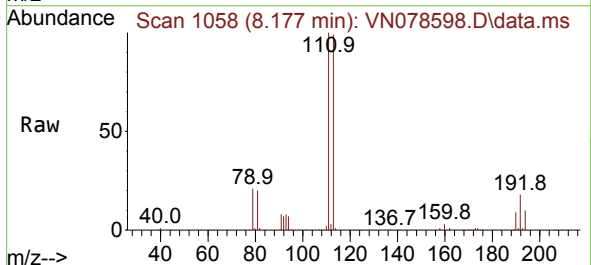
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MSVOA_N
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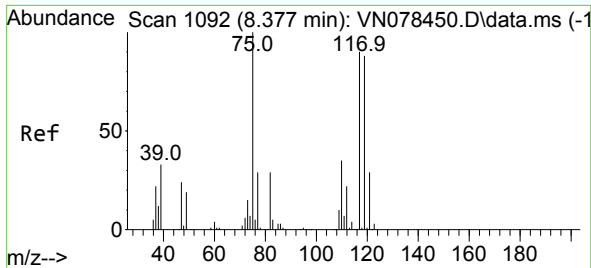
Tgt Ion:114 Resp: 749259
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.302 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Tgt Ion:113 Resp: 281278
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 17.0 12.7 19.1

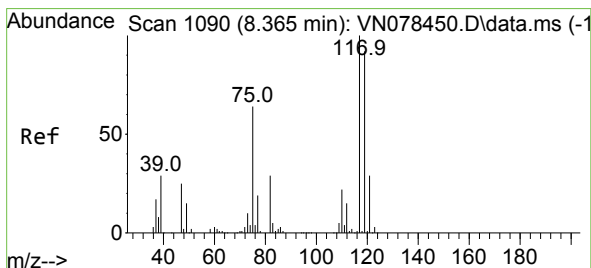
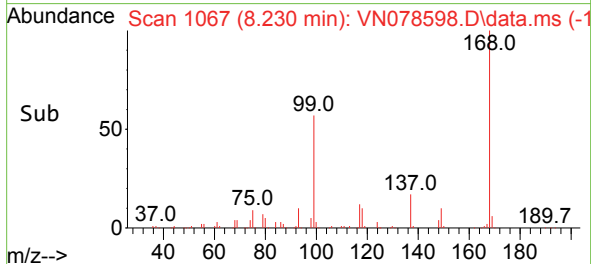
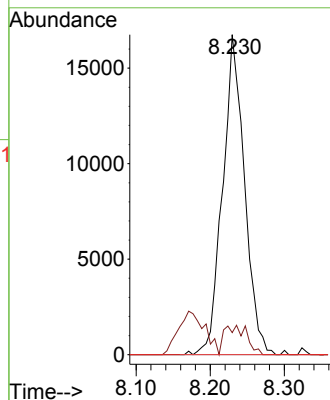
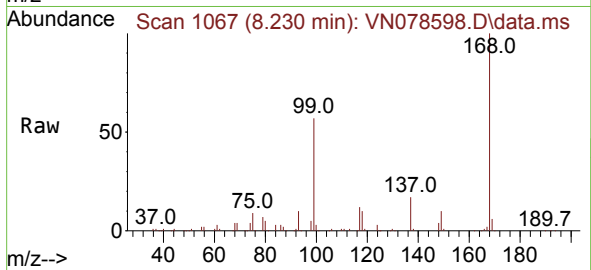




#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

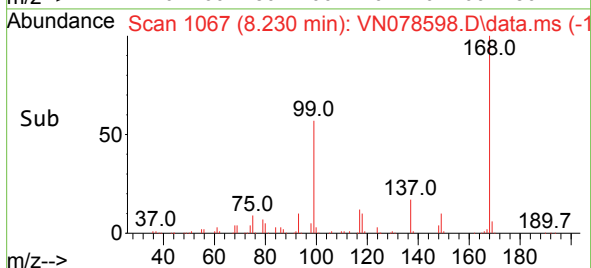
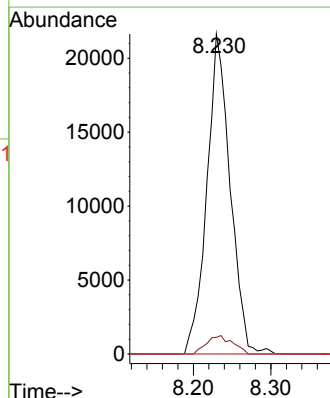
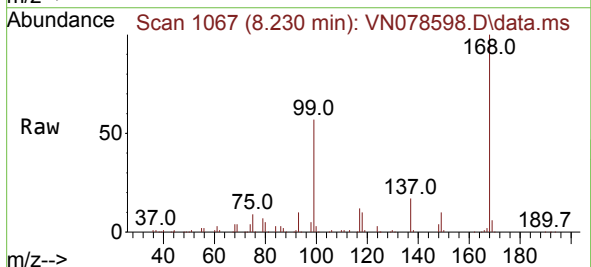
Instrument :
MSVOA_N
ClientSampleId :

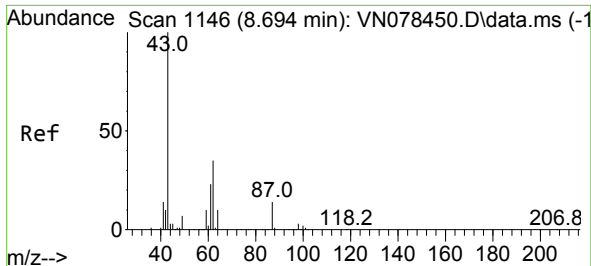
Tgt Ion: 75 Resp: 34372
Ion Ratio Lower Upper
75 100
110 4.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

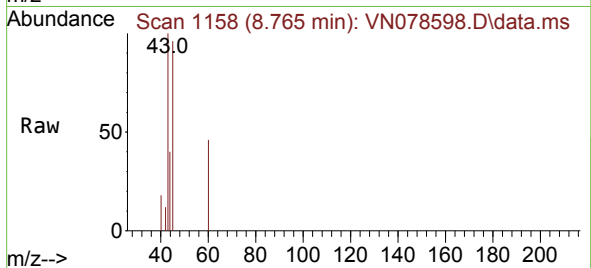
Tgt Ion: 117 Resp: 45176
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 23.3 34.9#



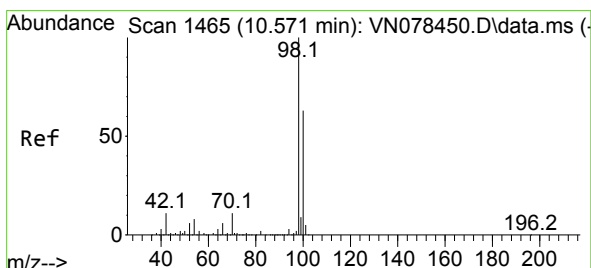
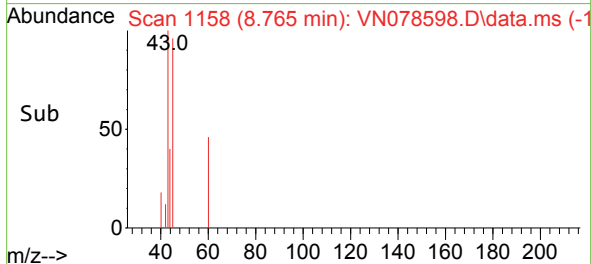
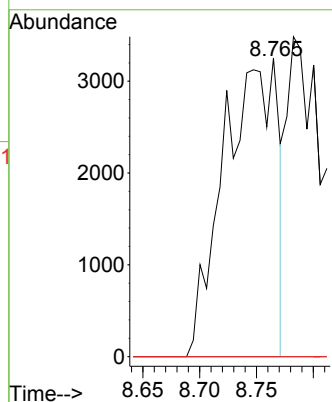


#43
Isopropyl Acetate
Concen: 1.051 ug/l
RT: 8.765 min Scan# 1158
Delta R.T. 0.071 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Instrument :
MSVOA_N
ClientSampleId :

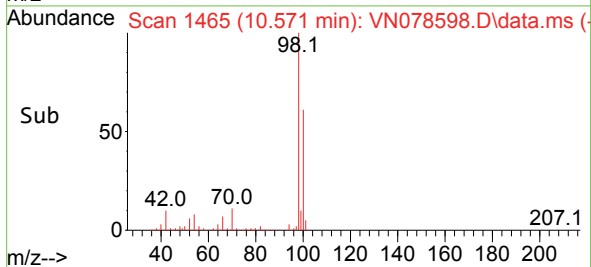
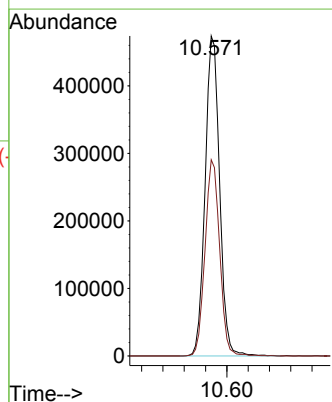
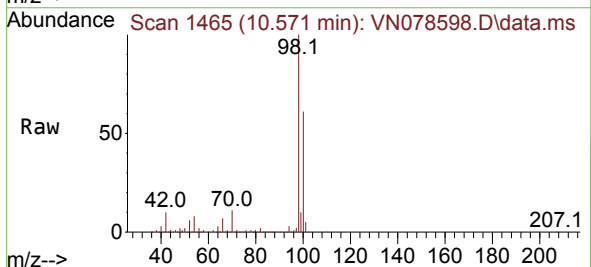


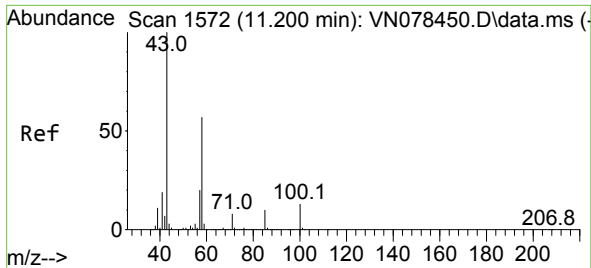
Tgt Ion: 43 Resp: 10590
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.538 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Tgt Ion: 98 Resp: 894196
Ion Ratio Lower Upper
98 100
100 62.0 52.0 78.0

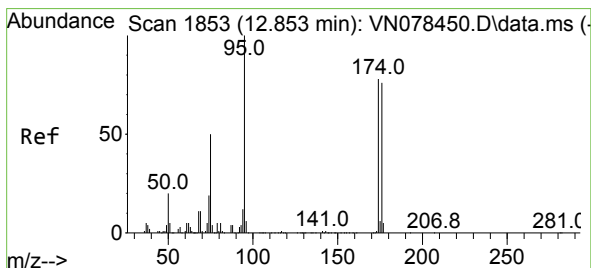
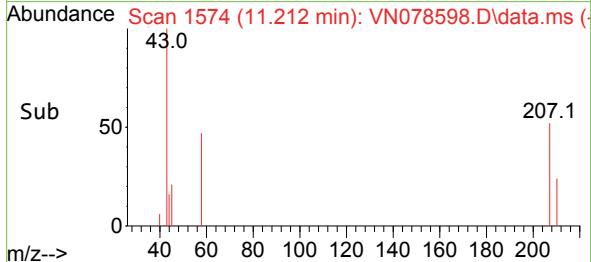
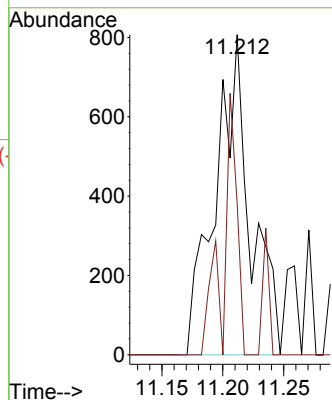
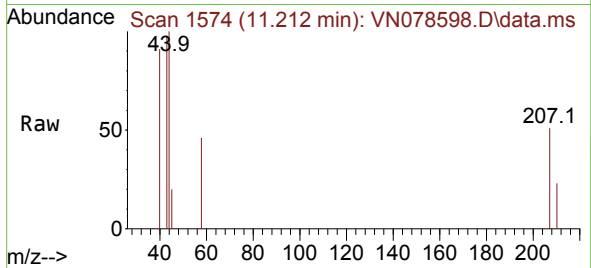




#59
2-Hexanone
Concen: 0.378 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

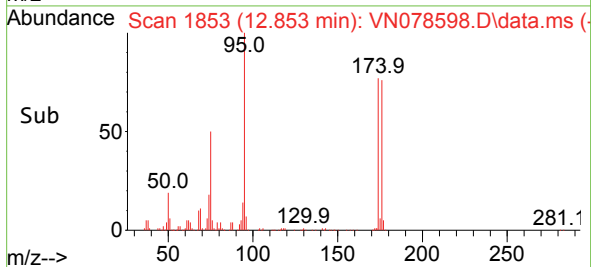
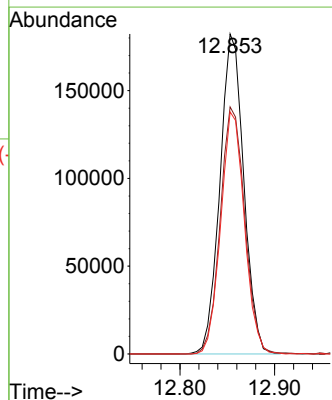
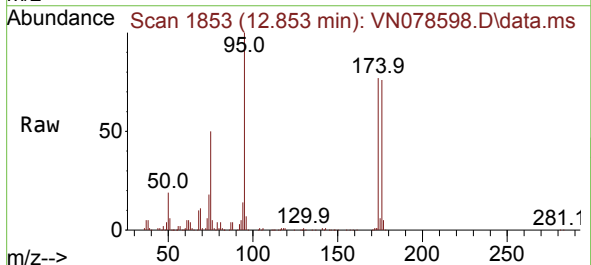
Instrument :
MSVOA_N
ClientSampleId :

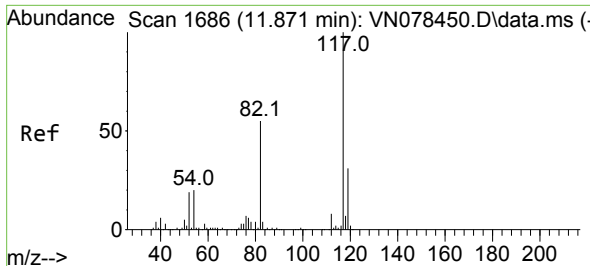
Tgt Ion: 43 Resp: 1611
Ion Ratio Lower Upper
43 100
58 32.8 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 53.890 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

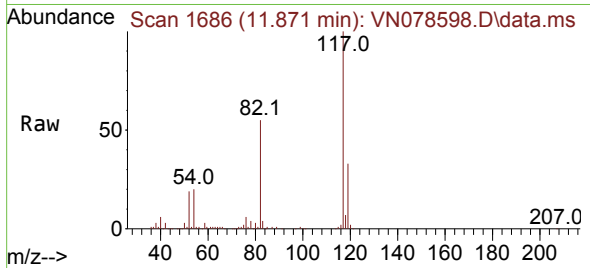
Tgt Ion: 95 Resp: 318942
Ion Ratio Lower Upper
95 100
174 79.5 0.0 143.8
176 75.0 0.0 135.8



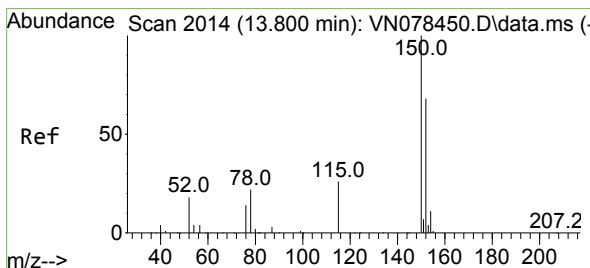
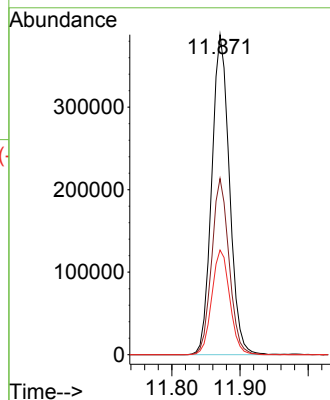
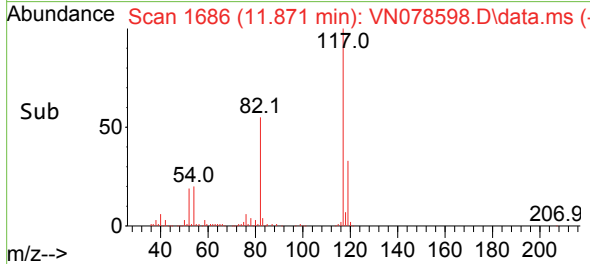


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Instrument :
MSVOA_N
ClientSampleId :

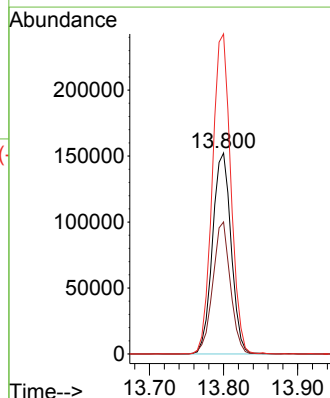
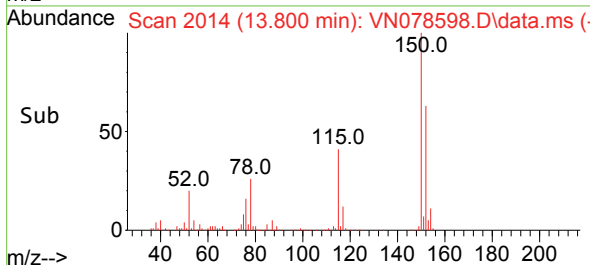
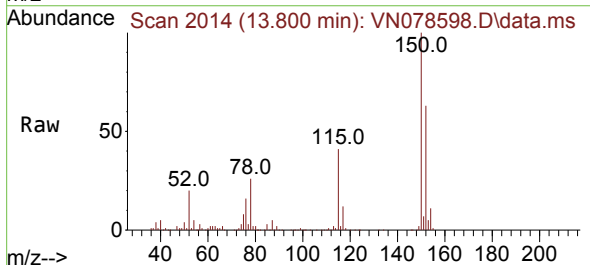


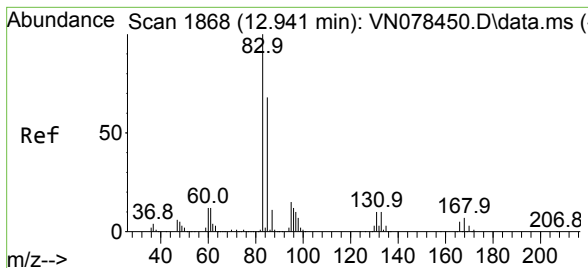
Tgt Ion:117 Resp: 701439
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Tgt Ion:152 Resp: 266047
Ion Ratio Lower Upper
152 100
115 62.2 32.3 96.8
150 157.7 0.0 355.8

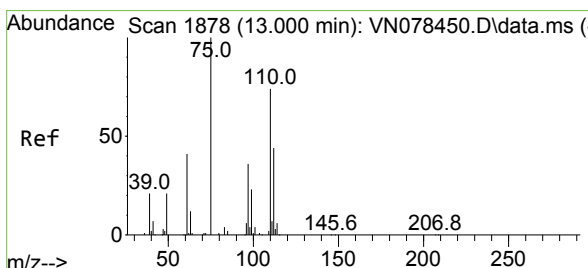
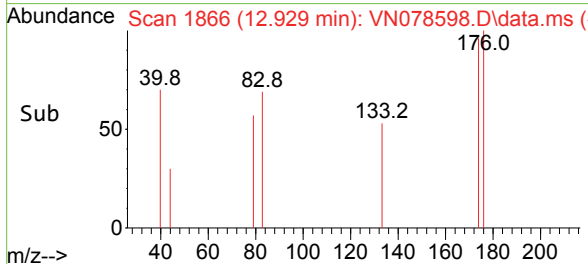
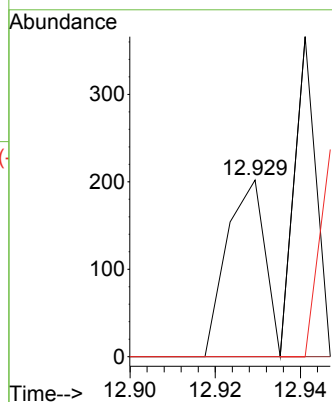
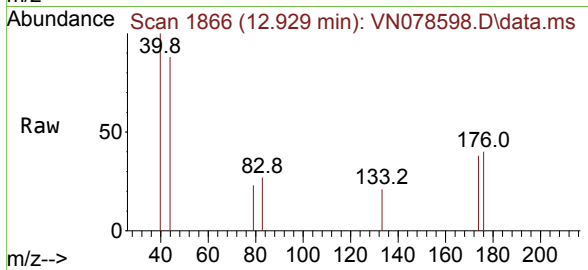




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.929 min Scan# 1866
Delta R.T. -0.012 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

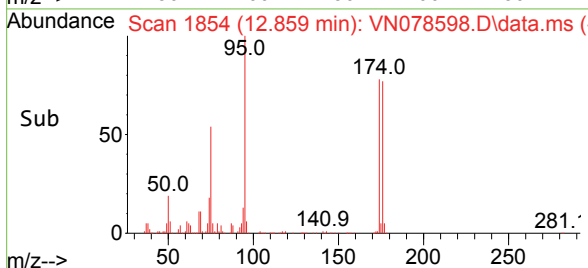
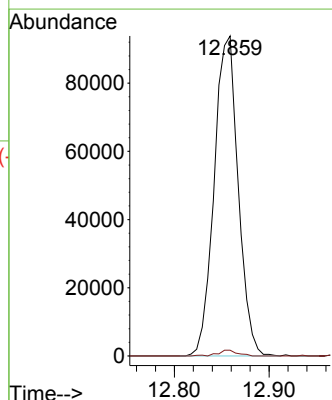
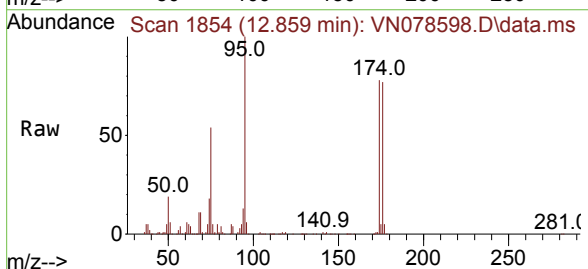
Instrument :
MSVOA_N
ClientSampleId :

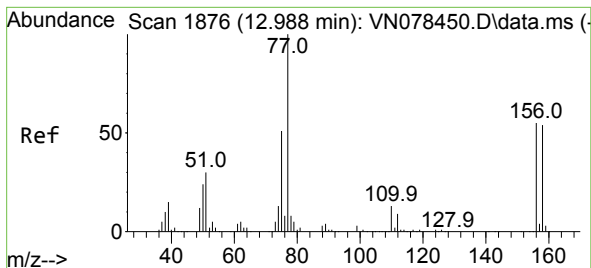
Tgt Ion: 83 Resp: 126
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 66.7 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 25.714 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078598.D
Acq: 20 Jul 2023 17:10

Tgt Ion: 75 Resp: 165360
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 11

Delta R.T. 0.000 min

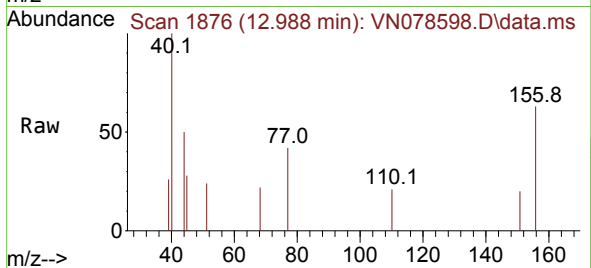
Lab File: VN078598.D

Acq: 20 Jul 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :



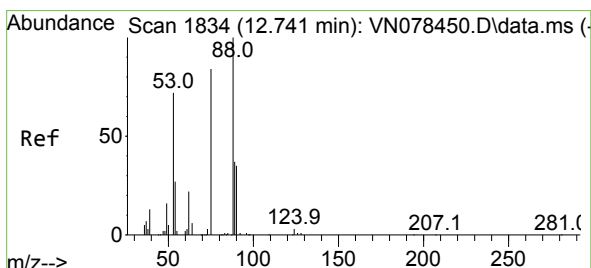
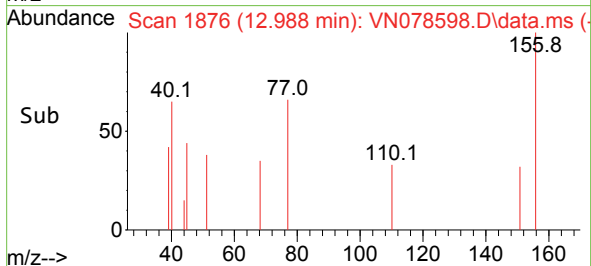
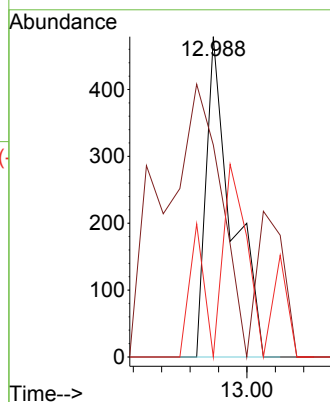
Tgt Ion:156 Resp: 301

Ion Ratio Lower Upper

156 100

77 193.0 107.7 323.3

158 96.0 48.4 145.3



#81

trans-1,4-Dichloro-2-butene

Concen: 67.572 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078598.D

Acq: 20 Jul 2023 17:10

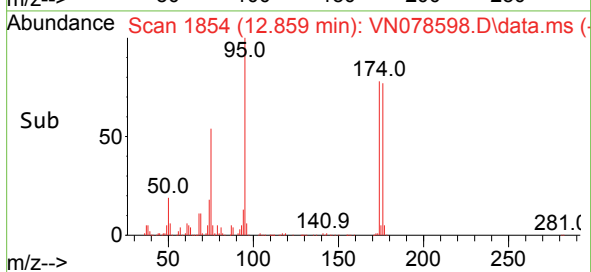
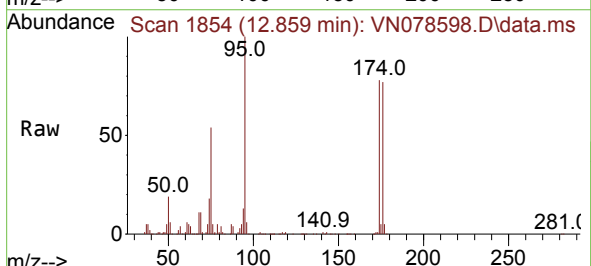
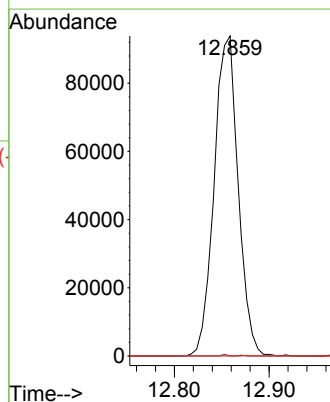
Tgt Ion: 75 Resp: 165360

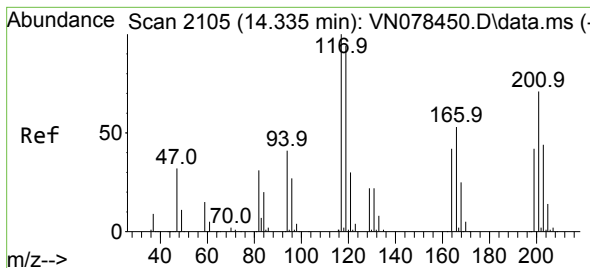
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

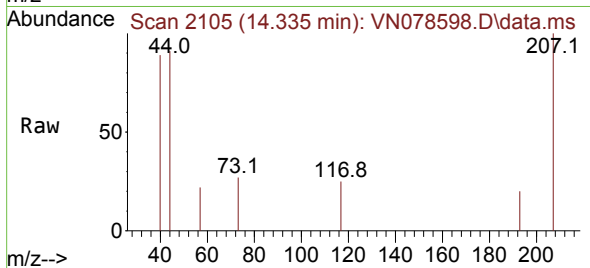
Lab File: VN078598.D

Acq: 20 Jul 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

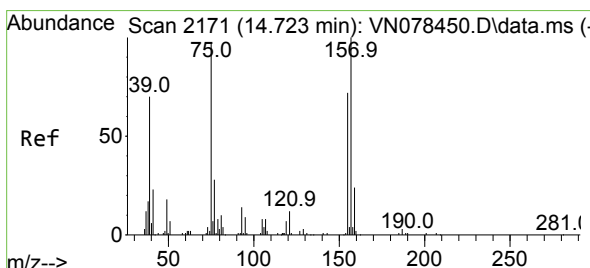
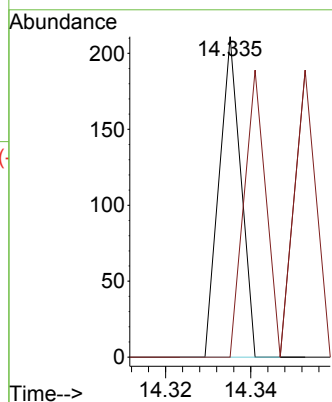


Tgt Ion:117 Resp: 74

Ion Ratio Lower Upper

117 100

201 179.7 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.576 min Scan# 2146

Delta R.T. -0.147 min

Lab File: VN078598.D

Acq: 20 Jul 2023 17:10

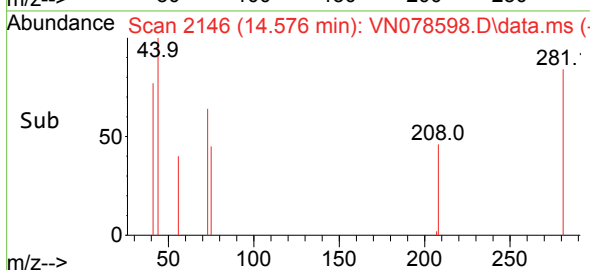
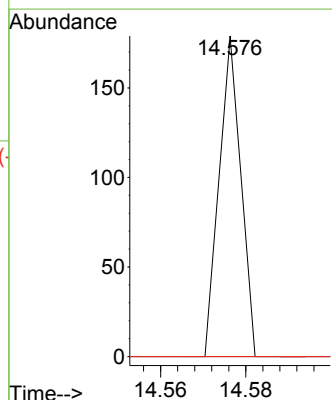
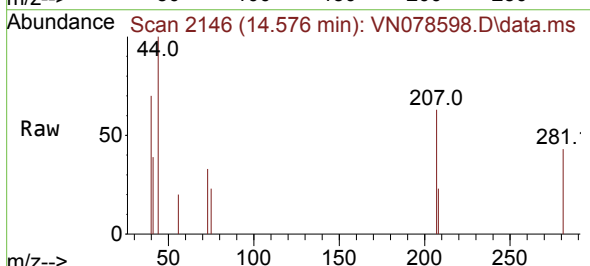
Tgt Ion: 75 Resp: 63

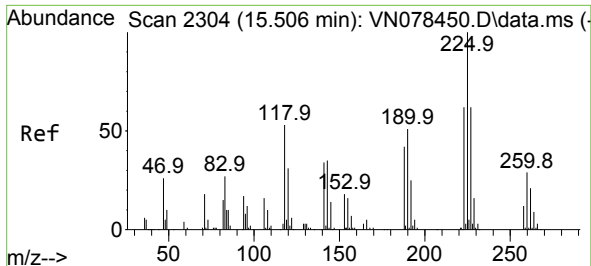
Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

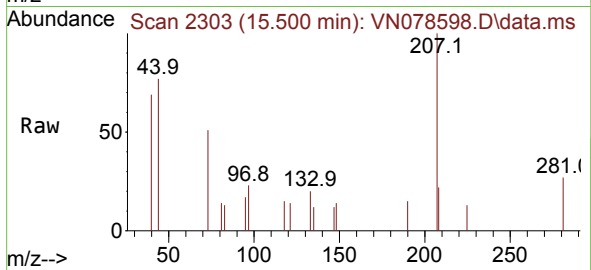
157 0.0 50.3 150.9#





#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.500 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN078598.D
 Acq: 20 Jul 2023 17:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:225 Resp: 57
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.3 93.8#
 227 0.0 31.9 95.9#

