

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080152.D
 Acq On : 17 Nov 2023 10:54
 Operator : JC\MD
 Sample : VN1117MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 02:23:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

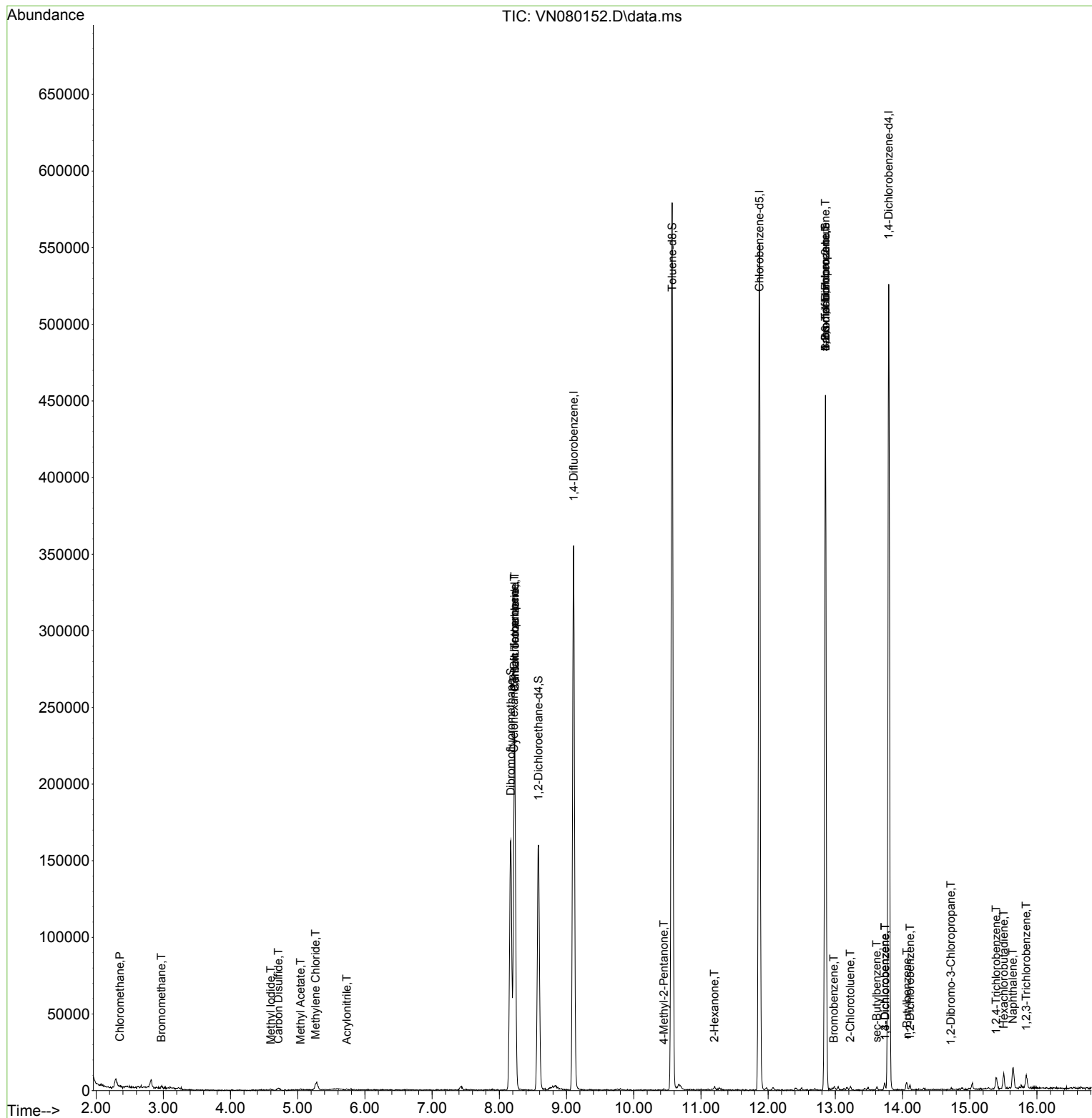
Internal Standards						
1) Pentafluorobenzene	8.230	168	158702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	298486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	314808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	147025	56.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.220%			
35) Dibromofluoromethane	8.171	113	115003	52.216	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	10.571	98	398311	50.169	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.853	95	152086	50.715	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.440%			
Target Compounds					Qvalue	
3) Chloromethane	2.354	50	566	0.318	ug/l #	42
5) Bromomethane	2.971	94	796	0.623	ug/l #	67
6) Chloroethane	3.118	64	979	Below Cal	#	43
10) Methyl Iodide	4.601	142	1397	0.721	ug/l #	70
15) Acrylonitrile	5.730	53	574	0.742	ug/l #	23
17) Carbon Disulfide	4.712	76	3337	0.666	ug/l #	75
18) Methyl Acetate	5.042	43	1035	0.366	ug/l #	42
20) Methylene Chloride	5.265	84	4043	2.194	ug/l #	73
31) Cyclohexane	8.218	56	3834	1.345	ug/l #	36
36) 1,1-Dichloropropene	8.224	75	13310	4.174	ug/l #	50
38) Carbon Tetrachloride	8.230	117	18674	4.615	ug/l #	16
51) 4-Methyl-2-Pentanone	10.447	43	907	0.407	ug/l #	51
59) 2-Hexanone	11.200	43	1596	0.891	ug/l	71
71) Bromoform	12.853	173	1144	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	86517	25.335	ug/l #	1
77) Bromobenzene	12.976	156	603	0.221	ug/l #	75
79) 2-Chlorotoluene	13.223	91	1591	0.202	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.853	75	86517	85.597	ug/l #	15
85) sec-Butylbenzene	13.618	105	1941	0.203	ug/l	90
87) 1,3-Dichlorobenzene	13.741	146	1747	0.355	ug/l	82
88) 1,4-Dichlorobenzene	13.741	146	1747	0.353	ug/l	85
89) n-Butylbenzene	14.065	91	3594	0.503	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	1557	0.331	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.717	75	168	0.223	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.394	180	2659	0.971	ug/l	76
94) Hexachlorobutadiene	15.506	225	2156	1.368	ug/l	90
95) Naphthalene	15.641	128	14478	1.823	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	3618	1.410	ug/l	96

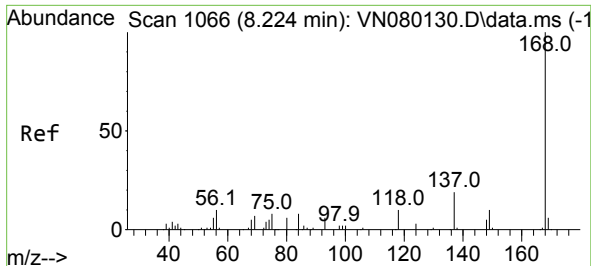
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
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Sample : VN1117MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 18 02:23:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

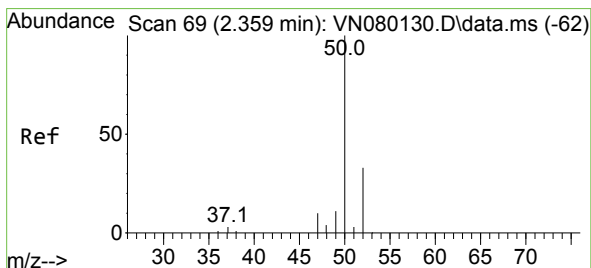
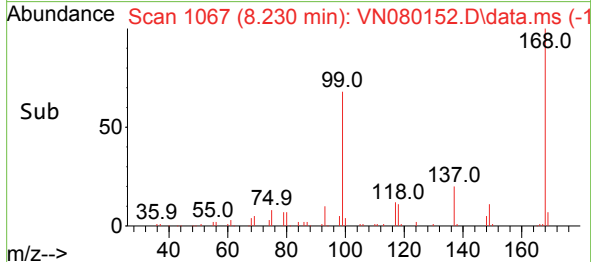
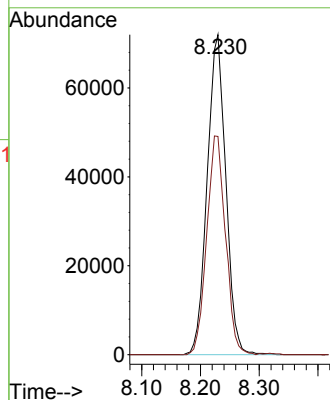
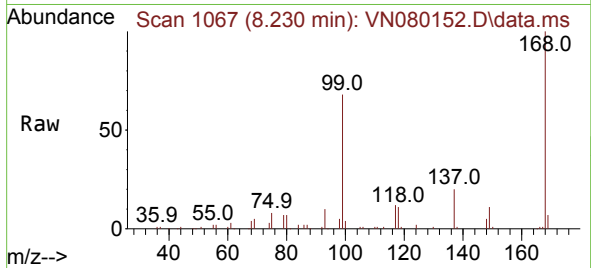




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

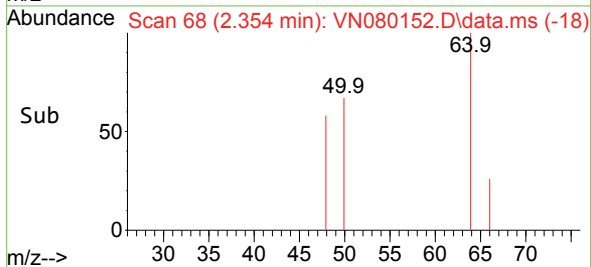
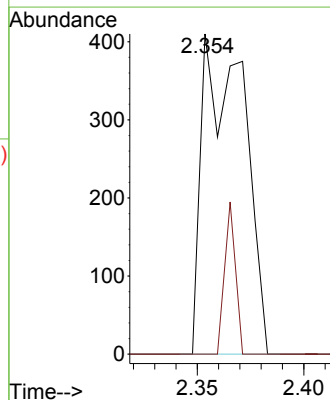
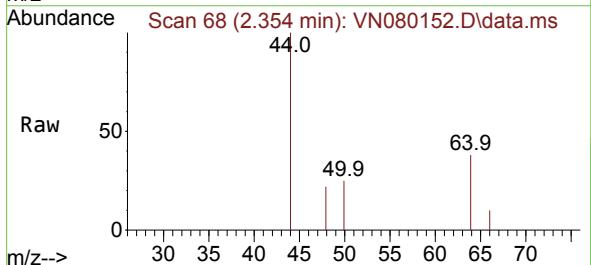
Instrument :
MSVOA_N
ClientSampleId :

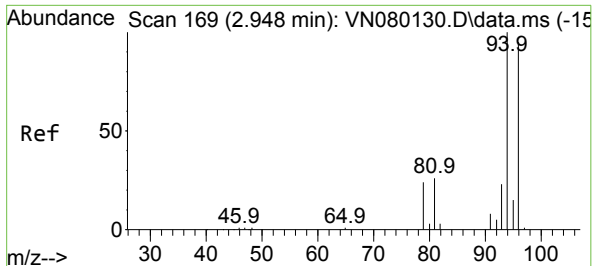
Tgt Ion:168 Resp: 158702
Ion Ratio Lower Upper
168 100
99 68.2 53.0 79.6



#3
Chloromethane
Concen: 0.318 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Tgt Ion: 50 Resp: 566
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

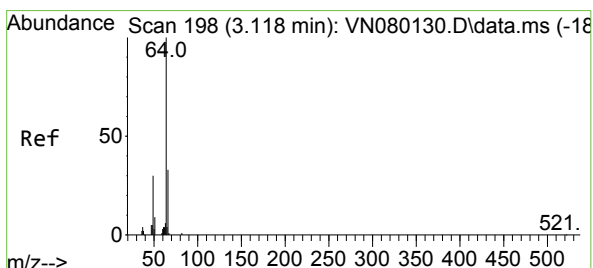
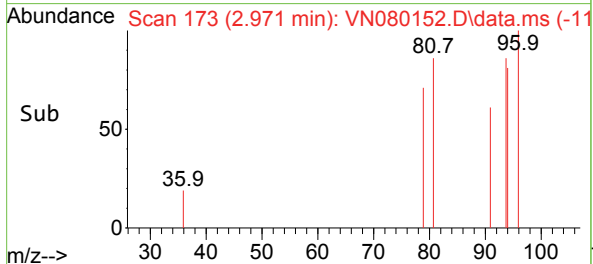
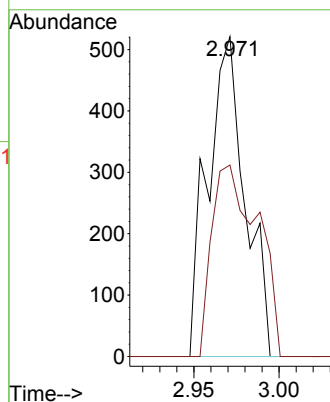
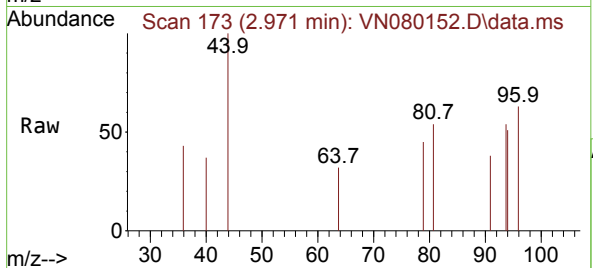




#5
Bromomethane
Concen: 0.623 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

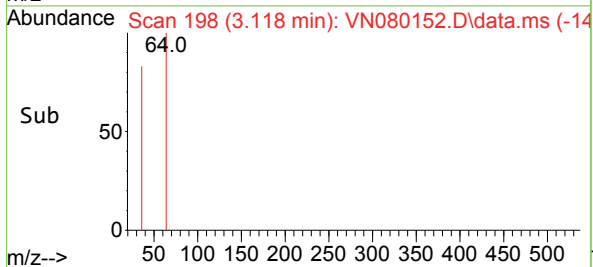
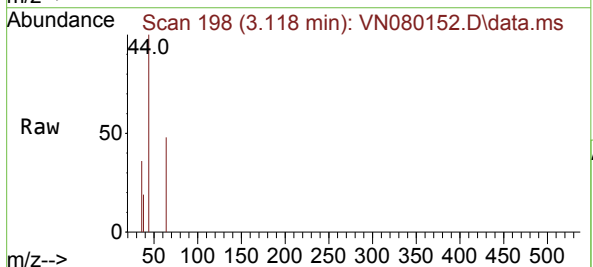
Instrument :
MSVOA_N
ClientSampleId :

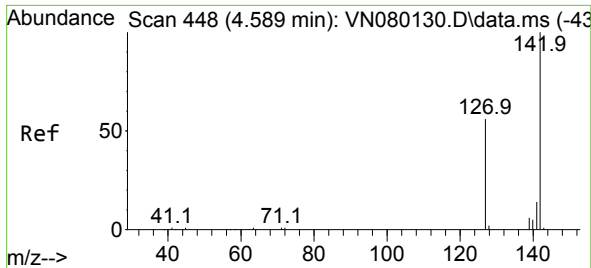
Tgt Ion: 94 Resp: 796
Ion Ratio Lower Upper
94 100
96 59.9 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

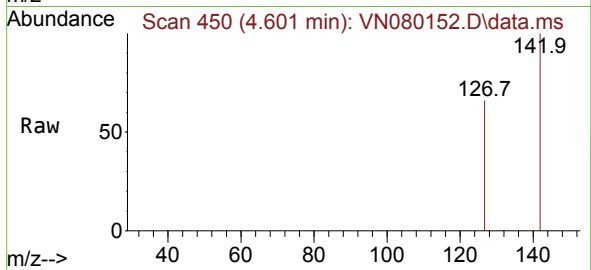
Tgt Ion: 64 Resp: 979
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



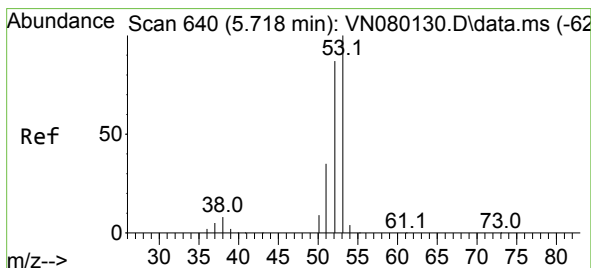
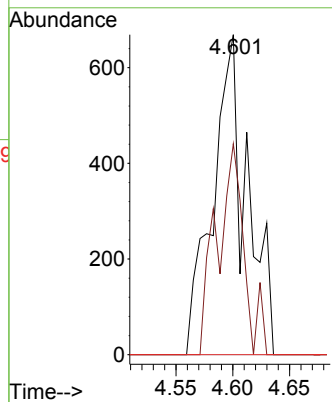
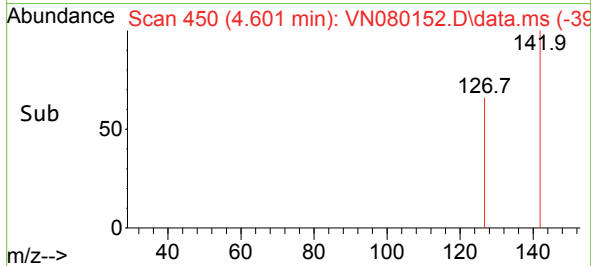


#10
Methyl Iodide
Concen: 0.721 ug/l
RT: 4.601 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

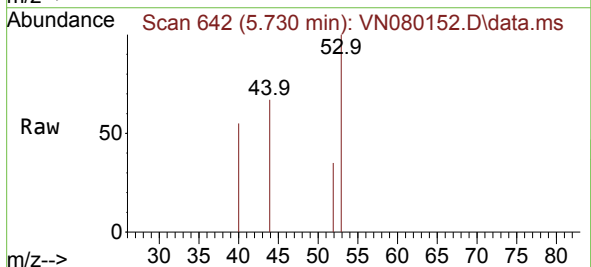
Instrument :
MSVOA_N
ClientSampleId :



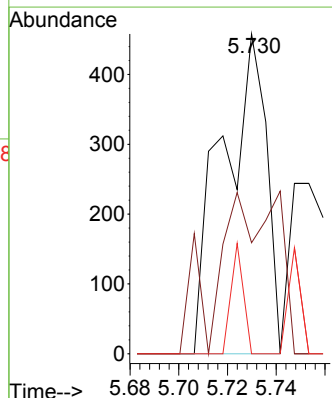
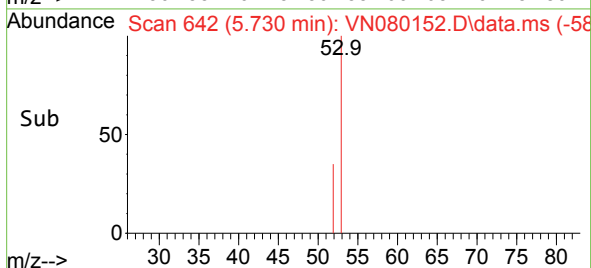
Tgt Ion:142 Resp: 1397
Ion Ratio Lower Upper
142 100
127 65.9 37.6 56.4#
141 0.0 11.4 17.0#

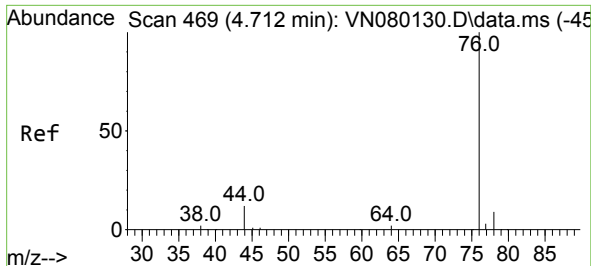


#15
Acrylonitrile
Concen: 0.742 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.012 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54



Tgt Ion: 53 Resp: 574
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 9.8 28.9 43.3#





#17

Carbon Disulfide

Concen: 0.666 ug/l

RT: 4.712 min Scan# 4

Delta R.T. 0.000 min

Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

Instrument :

MSVOA_N

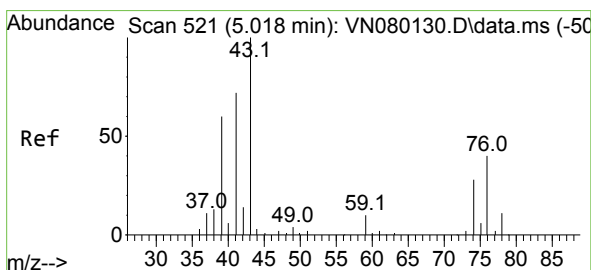
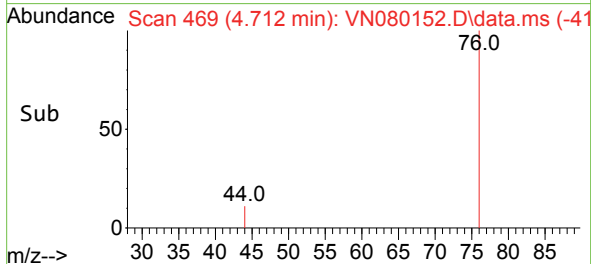
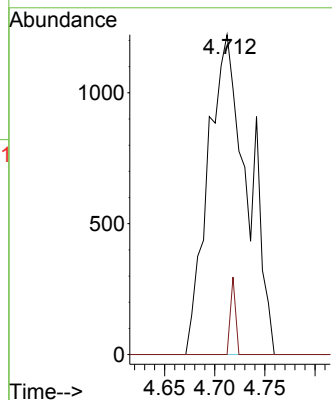
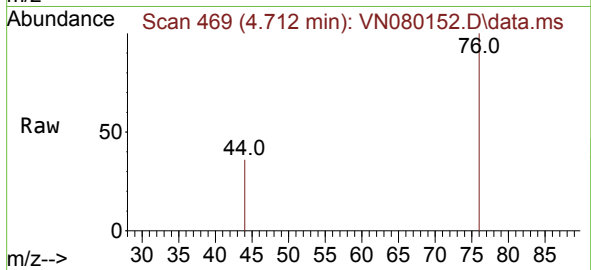
ClientSampleId :

Tgt Ion: 76 Resp: 3337

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#18

Methyl Acetate

Concen: 0.366 ug/l

RT: 5.042 min Scan# 525

Delta R.T. 0.024 min

Lab File: VN080152.D

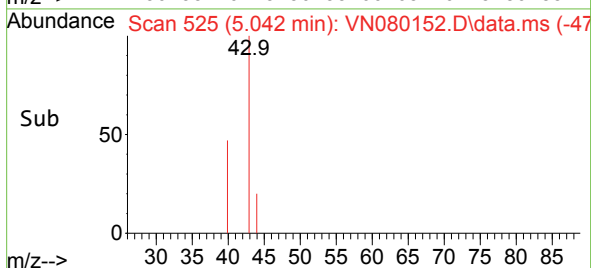
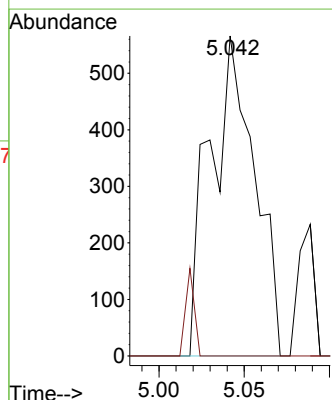
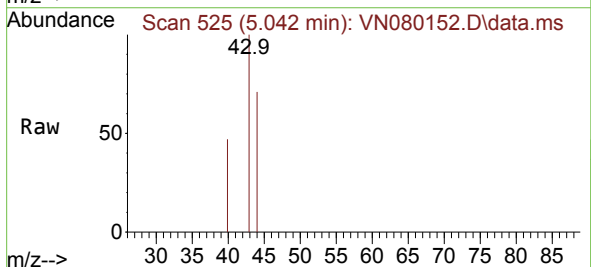
Acq: 17 Nov 2023 10:54

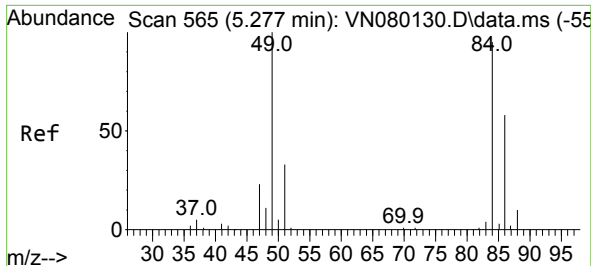
Tgt Ion: 43 Resp: 1035

Ion Ratio Lower Upper

43 100

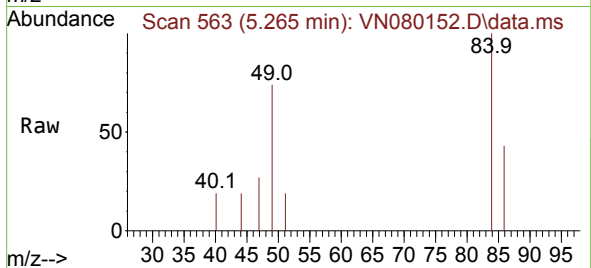
74 0.0 26.2 39.4#



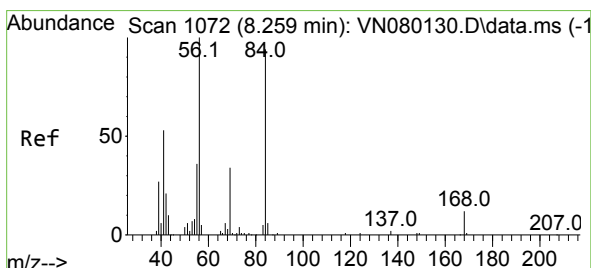
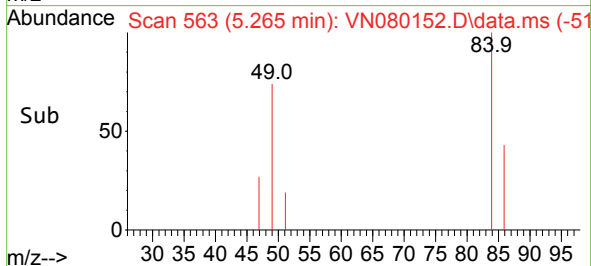
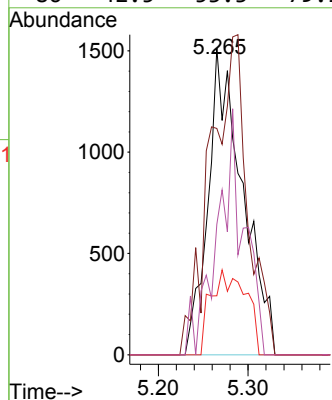


#20
Methylene Chloride
Concen: 2.194 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :

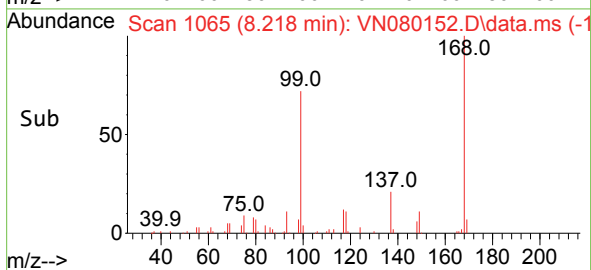
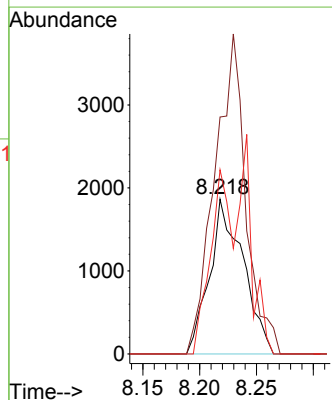
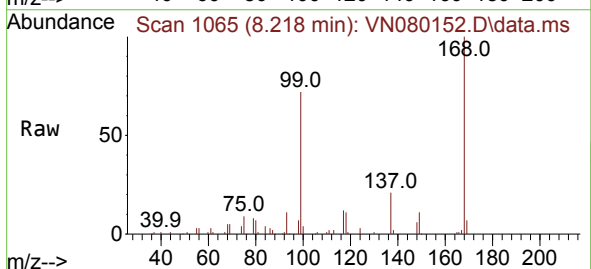


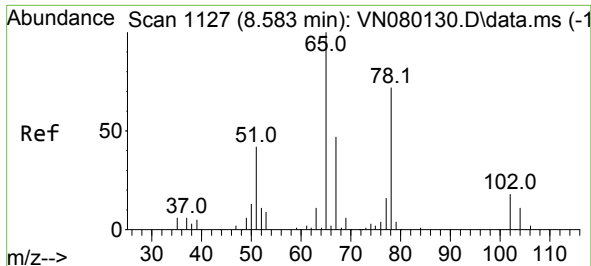
Tgt Ion: 84	Resp: 4043
Ion Ratio	Lower Upper
84 100	
49 73.8	79.7 119.5#
51 19.2	25.2 37.8#
86 42.5	53.3 79.9#



#31
Cyclohexane
Concen: 1.345 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Tgt Ion: 56	Resp: 3834		
Ion Ratio	Lower	Upper	
56	100		
69	153.1	26.8	40.2#
84	119.0	81.8	122.6

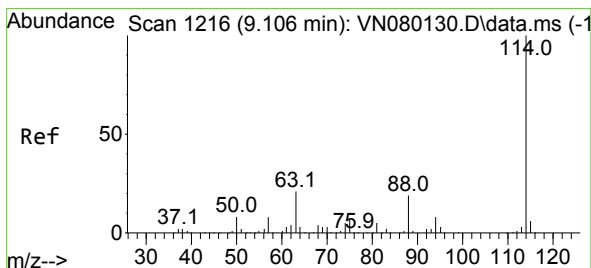
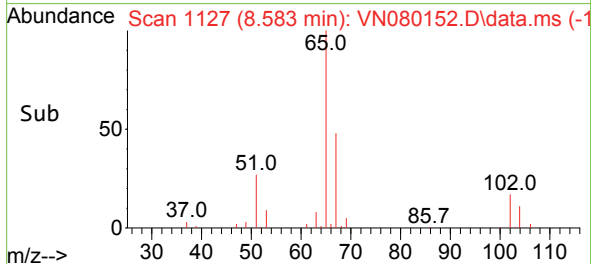
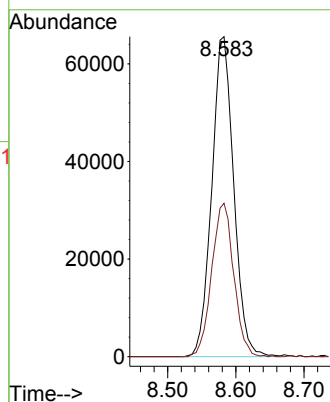
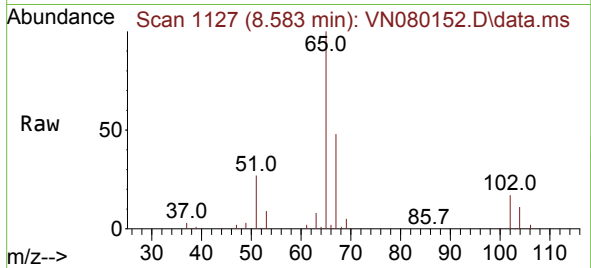




#33
 1,2-Dichloroethane-d4
 Concen: 56.107 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN080152.D
 Acq: 17 Nov 2023 10:54

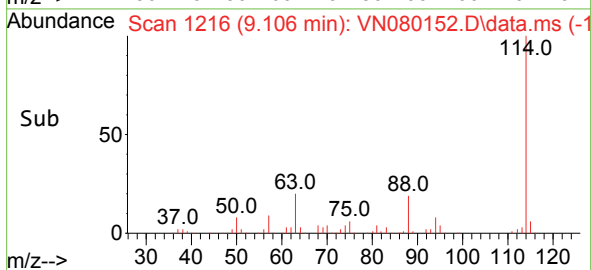
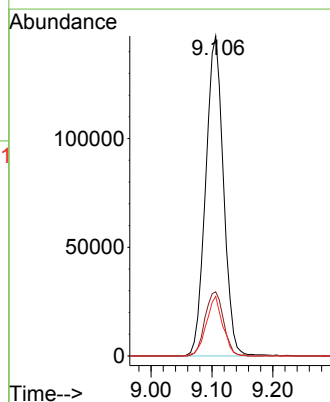
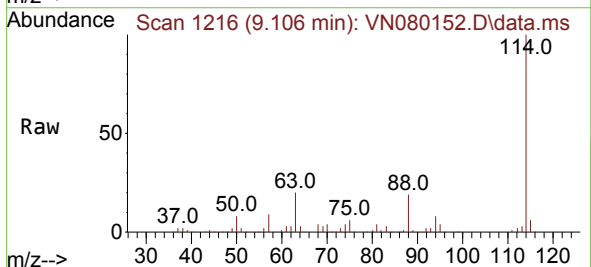
Instrument :
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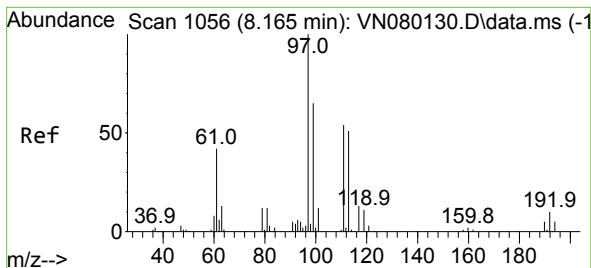
Tgt Ion: 65 Resp: 147025
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN080152.D
 Acq: 17 Nov 2023 10:54

Tgt Ion: 114 Resp: 298486
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 36.4
 88 18.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.216 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

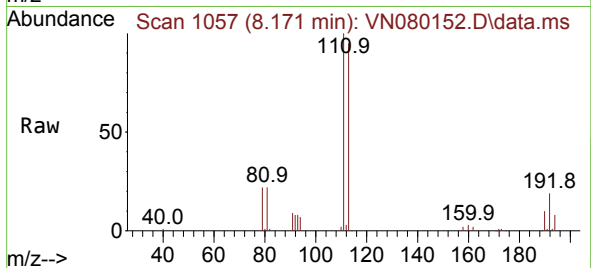
Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :



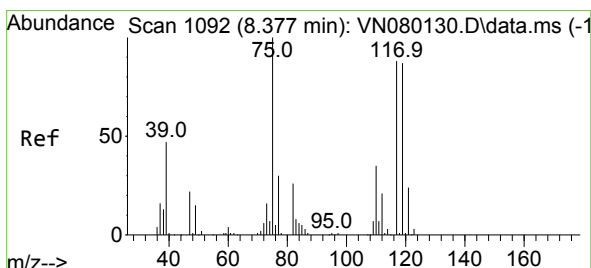
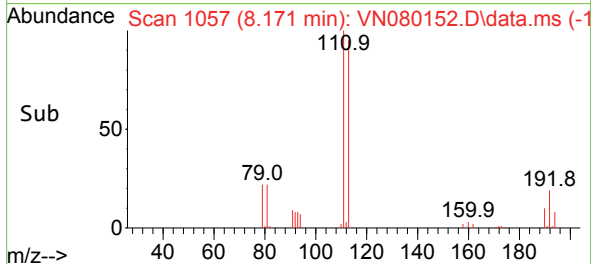
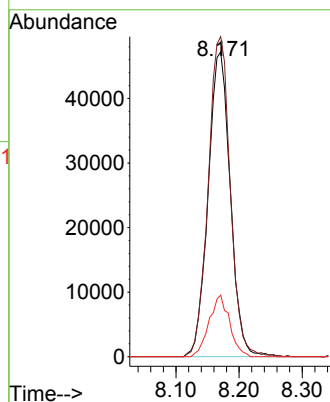
Tgt Ion:113 Resp: 115003

Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 18.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.174 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

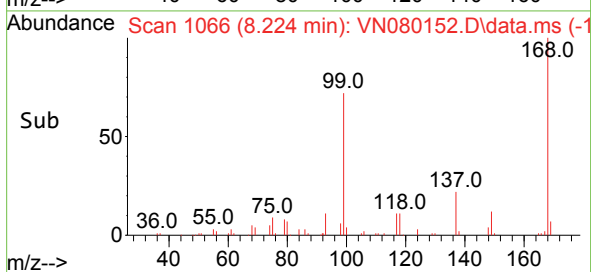
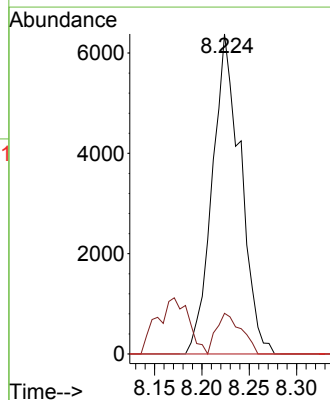
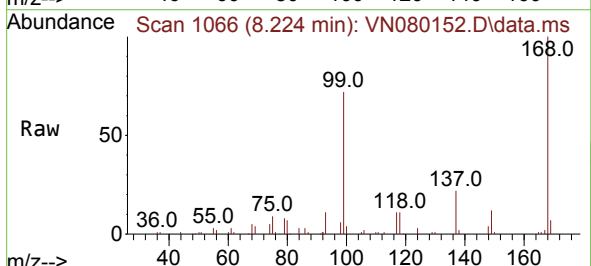
Tgt Ion: 75 Resp: 13310

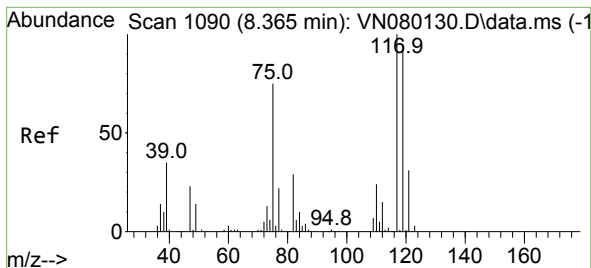
Ion Ratio Lower Upper

75 100

110 11.1 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.615 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

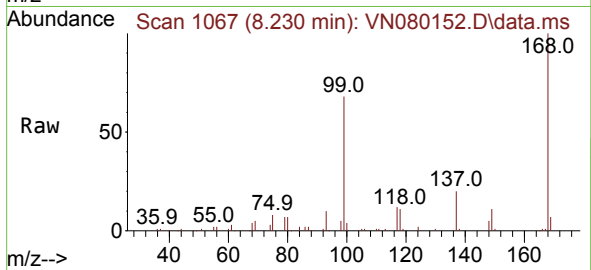
Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :



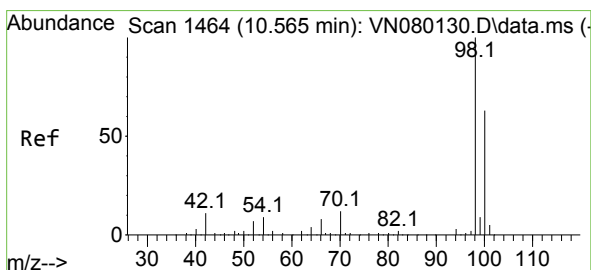
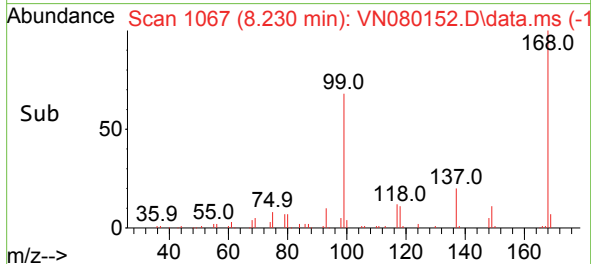
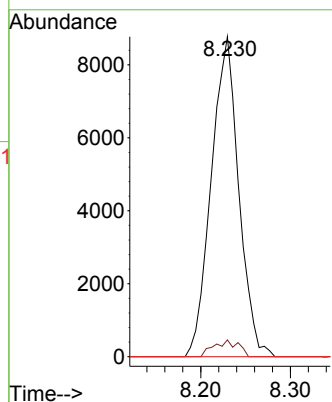
Tgt Ion:117 Resp: 18674

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.169 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080152.D

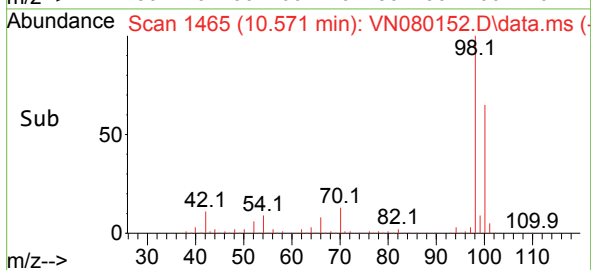
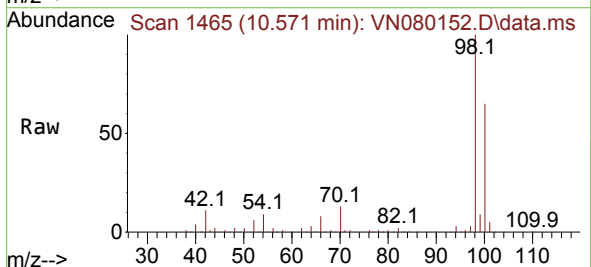
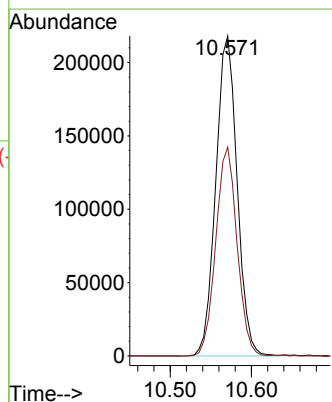
Acq: 17 Nov 2023 10:54

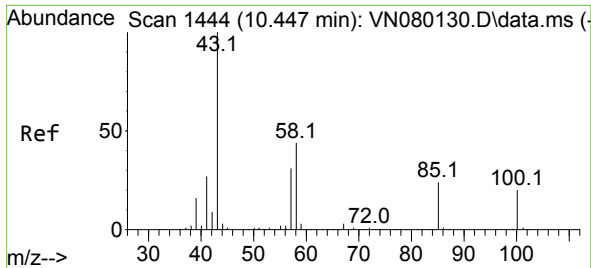
Tgt Ion: 98 Resp: 398311

Ion Ratio Lower Upper

98 100

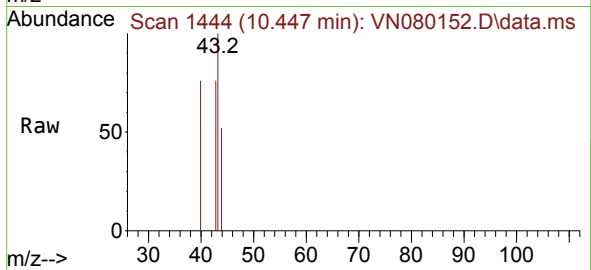
100 65.1 52.0 78.0



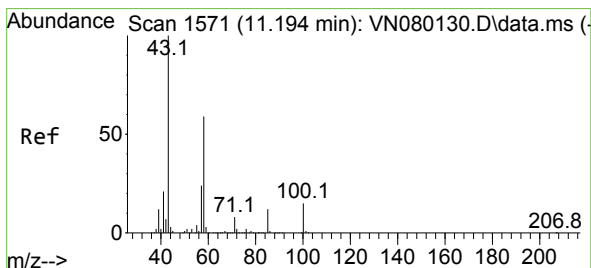
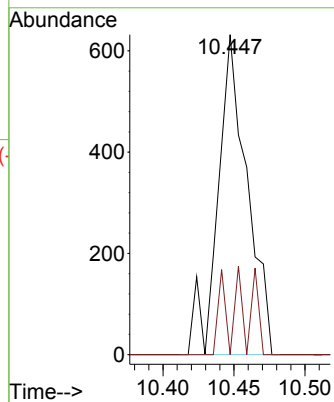
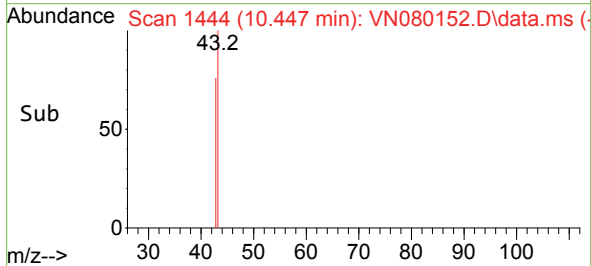


#51
4-Methyl-2-Pentanone
Concen: 0.407 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :

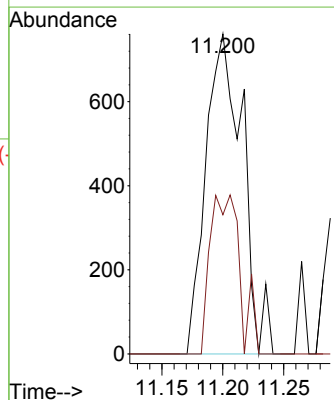
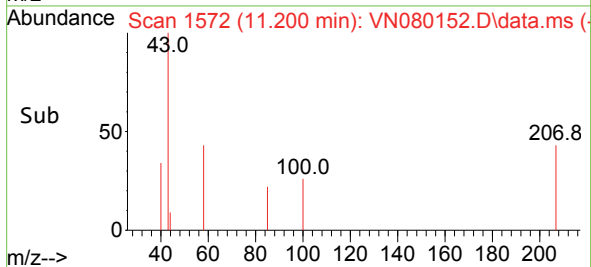
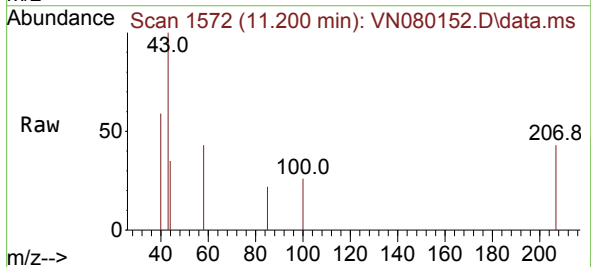


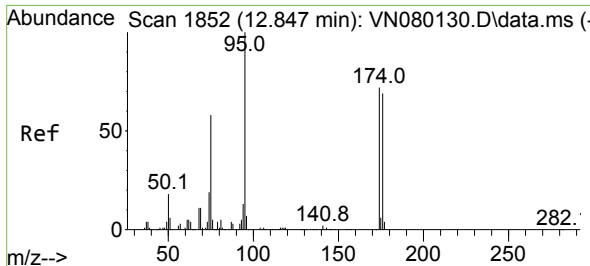
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
58 13.5 36.6 54.8#



#59
2-Hexanone
Concen: 0.891 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
58 40.5 31.7 95.1

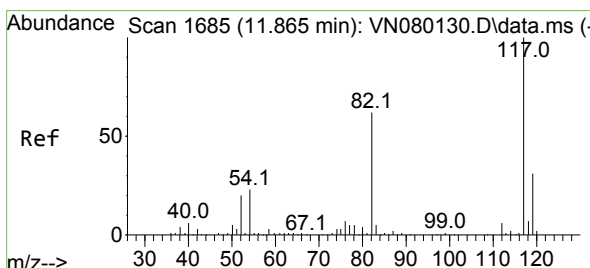
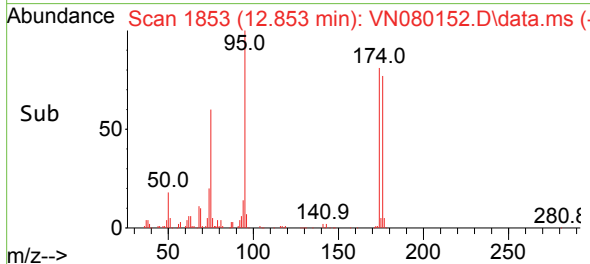
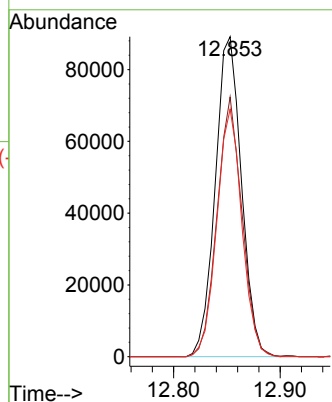
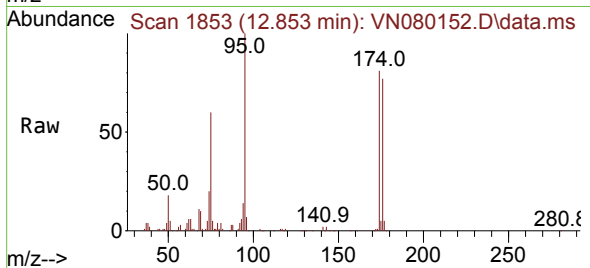




#62
4-Bromofluorobenzene
Concen: 50.715 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

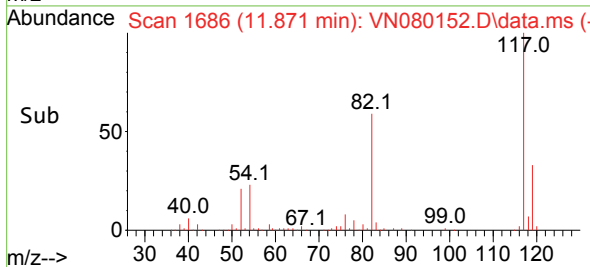
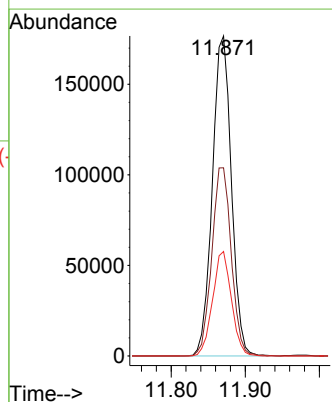
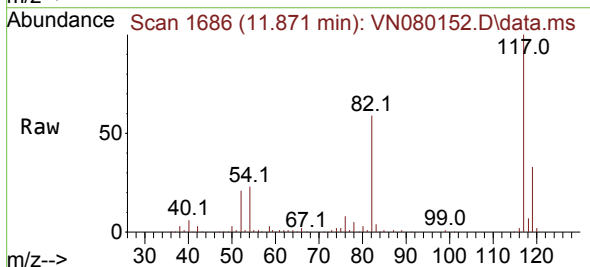
Instrument :
MSVOA_N
ClientSampleId :

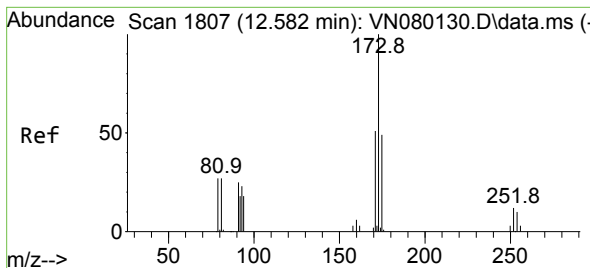
Tgt Ion: 95 Resp: 152086
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 74.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Tgt Ion: 117 Resp: 314808
Ion Ratio Lower Upper
117 100
82 58.8 44.0 66.0
119 32.6 25.6 38.4





#71

Bromoform

Concen: 0.557 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

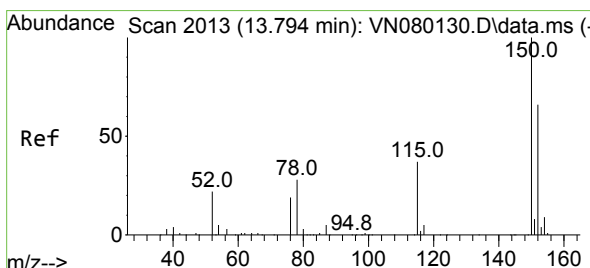
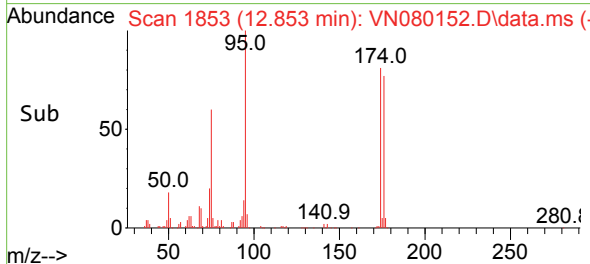
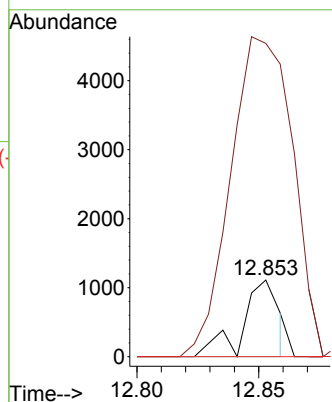
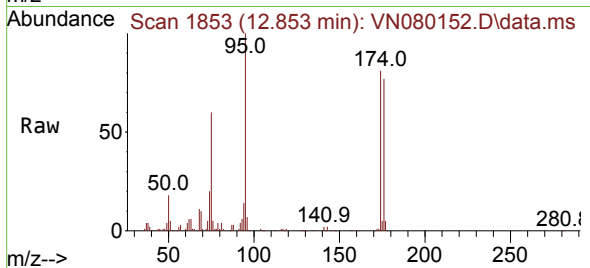
Tgt Ion:173 Resp: 1144

Ion Ratio Lower Upper

173 100

175 598.0 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. 0.000 min

Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

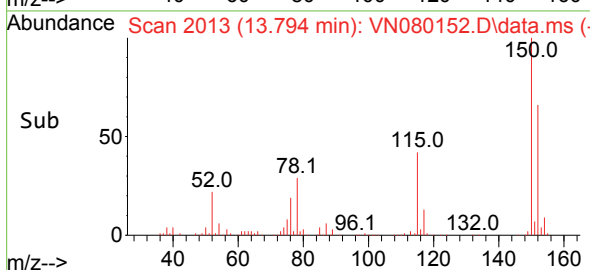
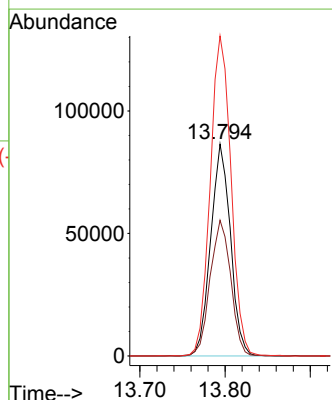
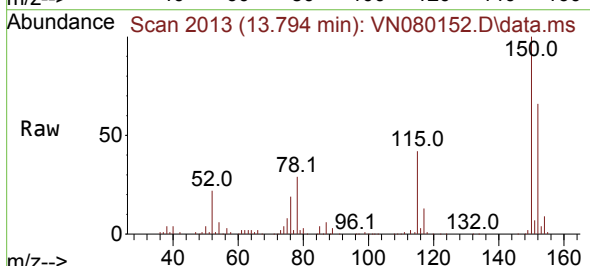
Tgt Ion:152 Resp: 139374

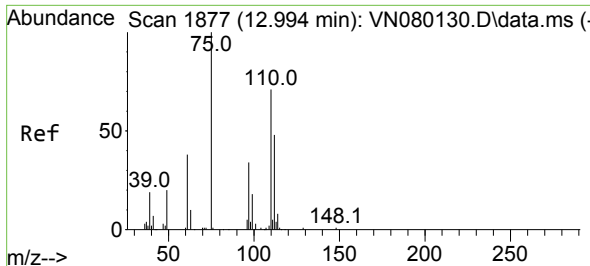
Ion Ratio Lower Upper

152 100

115 66.8 32.3 96.8

150 158.7 0.0 355.8

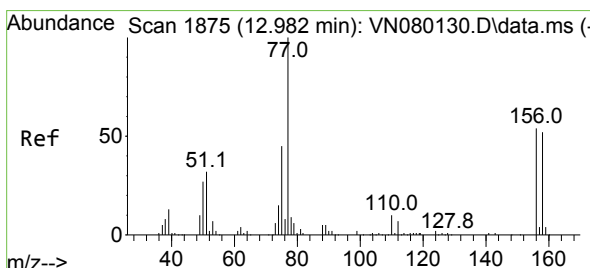
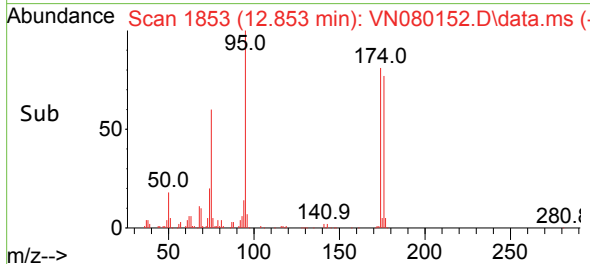
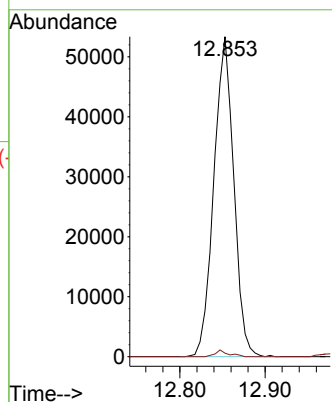
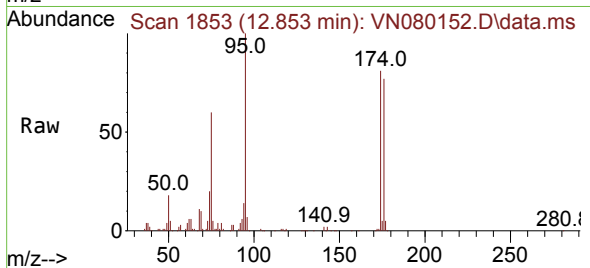




#76
1,2,3-Trichloropropane
Concen: 25.335 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

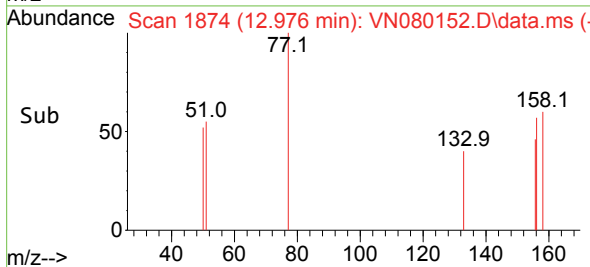
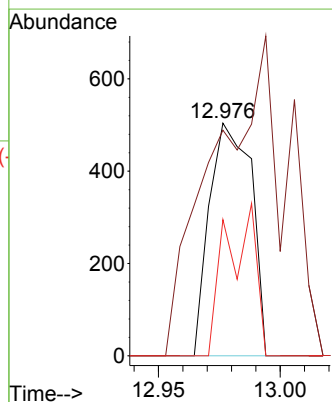
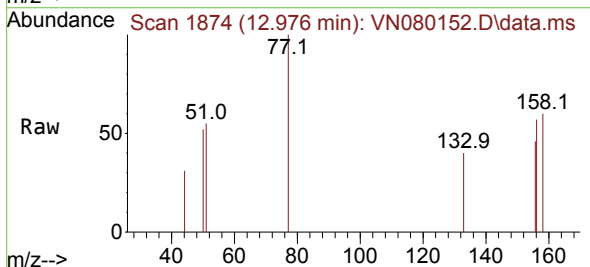
Instrument :
MSVOA_N
ClientSampleId :

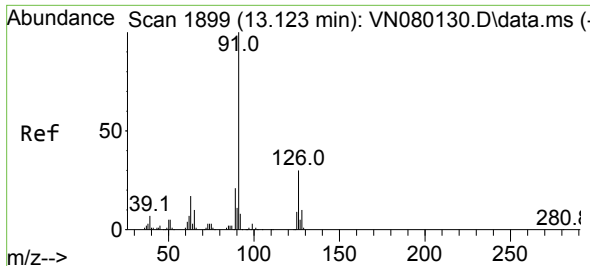
Tgt Ion: 75 Resp: 86517
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#77
Bromobenzene
Concen: 0.221 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Tgt Ion: 156 Resp: 603
Ion Ratio Lower Upper
156 100
77 236.8 107.7 323.3
158 46.3 48.4 145.3#

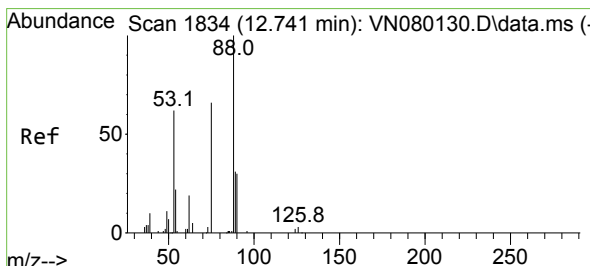
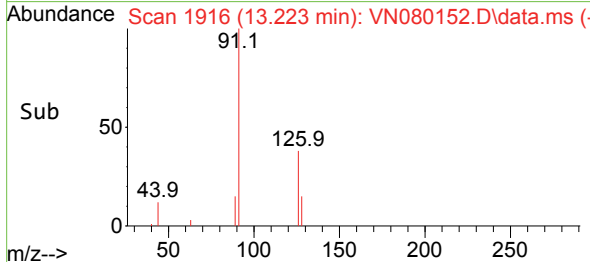
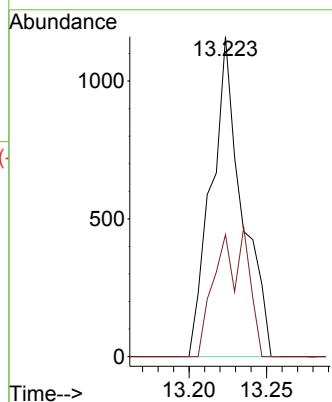
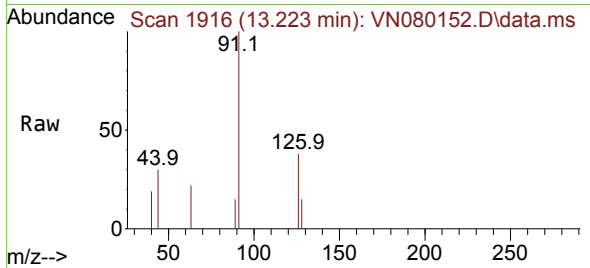




#79
2-Chlorotoluene
Concen: 0.202 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.100 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

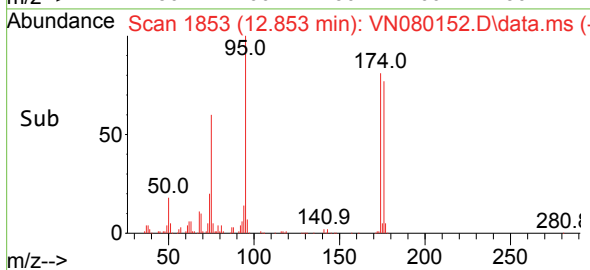
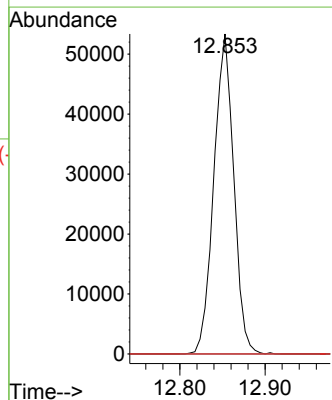
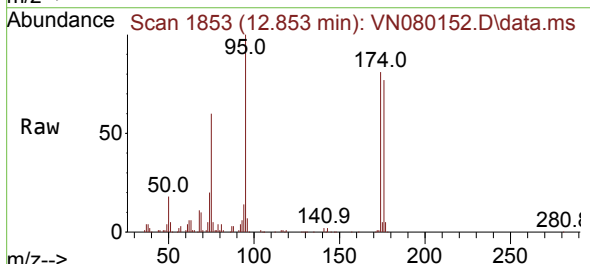
Instrument :
MSVOA_N
ClientSampleId :

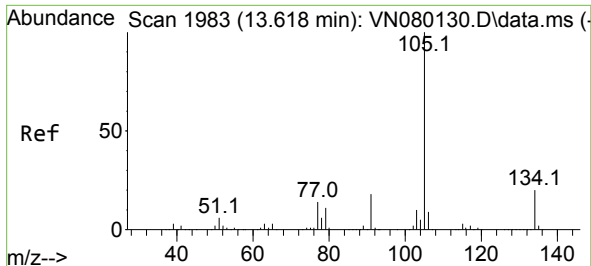
Tgt Ion: 91 Resp: 1591
Ion Ratio Lower Upper
91 100
126 41.6 16.3 48.8



#81
trans-1,4-Dichloro-2-butene
Concen: 85.597 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Tgt Ion: 75 Resp: 86517
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

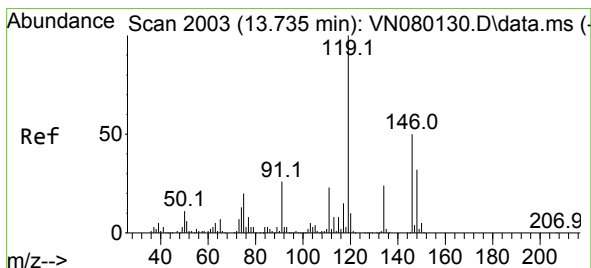
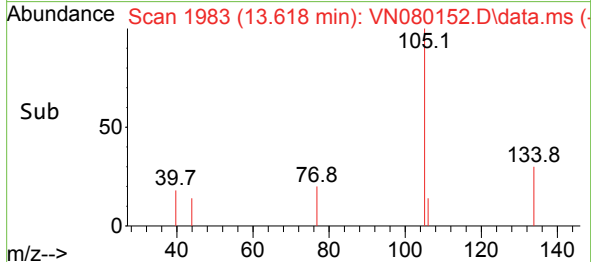
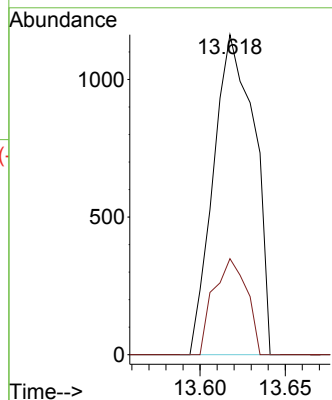
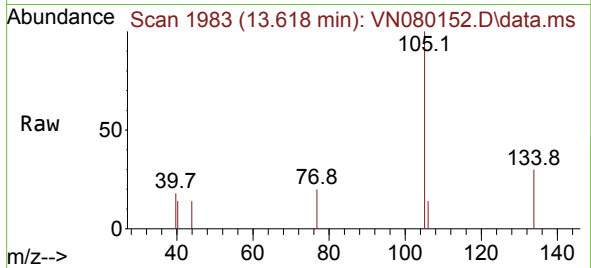




#85
 sec-Butylbenzene
 Concen: 0.203 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080152.D
 Acq: 17 Nov 2023 10:54

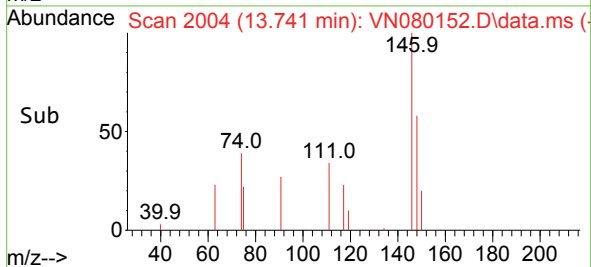
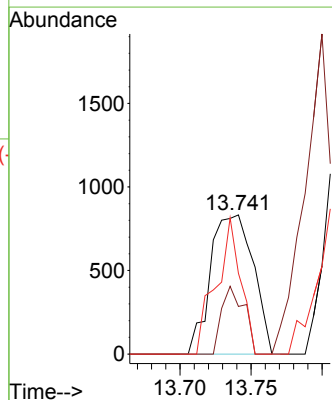
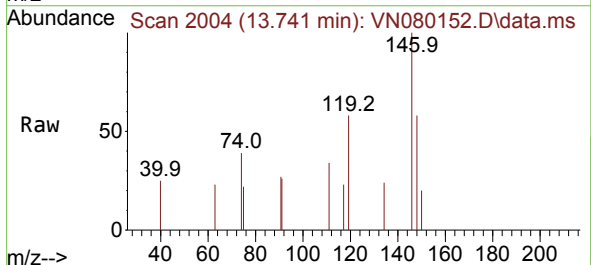
Instrument :
 MSVOA_N
 ClientSampleId :

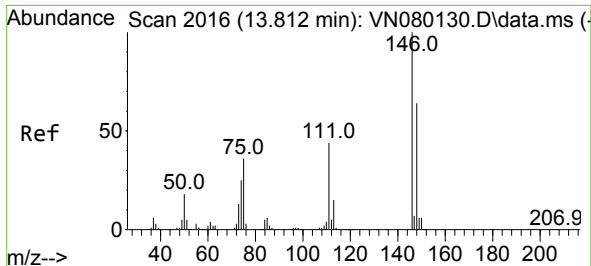
Tgt Ion:105 Resp: 1941
 Ion Ratio Lower Upper
 105 100
 134 24.3 9.8 29.3



#87
 1,3-Dichlorobenzene
 Concen: 0.355 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: VN080152.D
 Acq: 17 Nov 2023 10:54

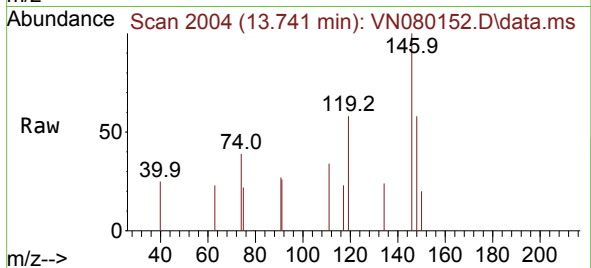
Tgt Ion:146 Resp: 1747
 Ion Ratio Lower Upper
 146 100
 111 25.5 22.1 66.3
 148 56.1 32.0 96.0



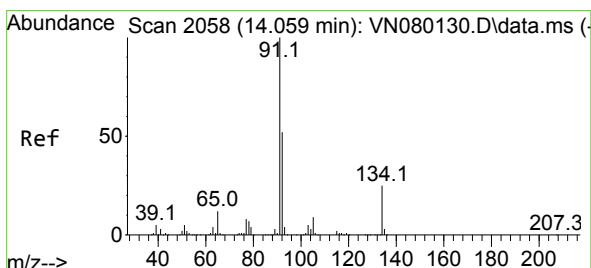
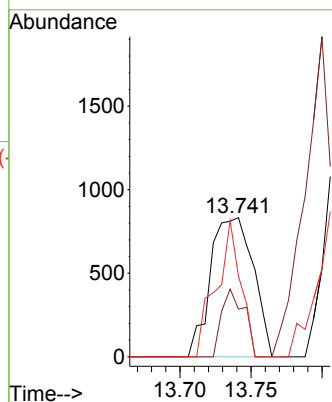
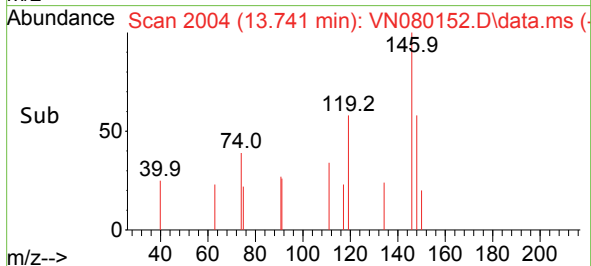


#88
1,4-Dichlorobenzene
Concen: 0.353 ug/l
RT: 13.741 min Scan# 2016
Delta R.T. -0.071 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

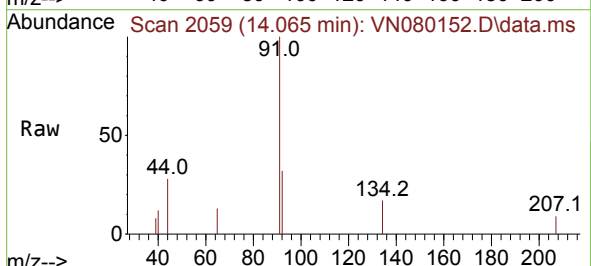
Instrument :
MSVOA_N
ClientSampleId :



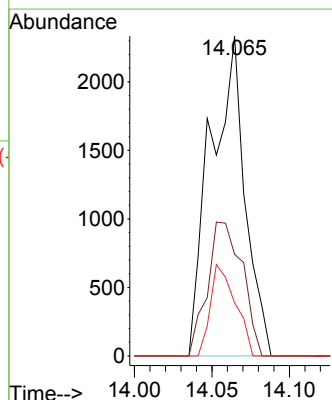
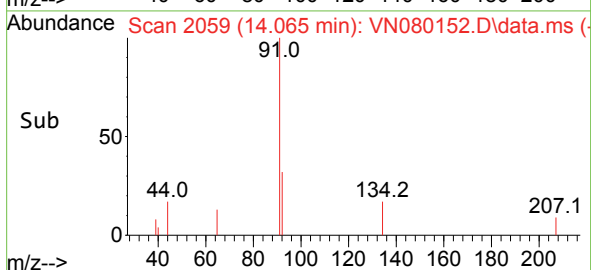
Tgt Ion:146 Resp: 1747
Ion Ratio Lower Upper
146 100
111 25.5 20.6 61.8
148 56.1 31.6 94.8

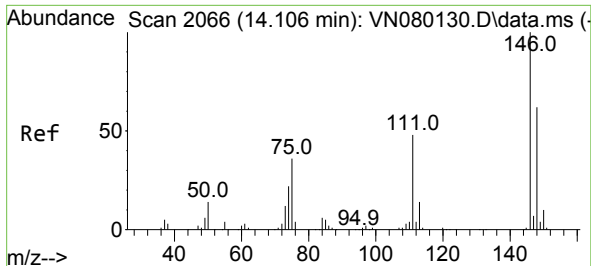


#89
n-Butylbenzene
Concen: 0.503 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54



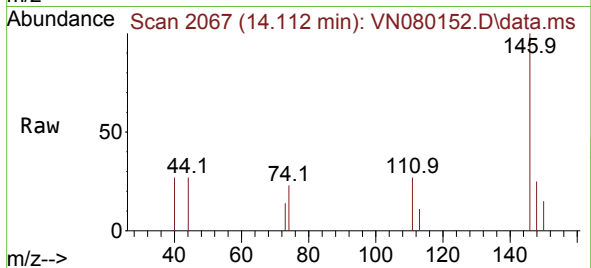
Tgt Ion: 91 Resp: 3594
Ion Ratio Lower Upper
91 100
92 42.5 26.4 79.0
134 20.8 12.6 37.6



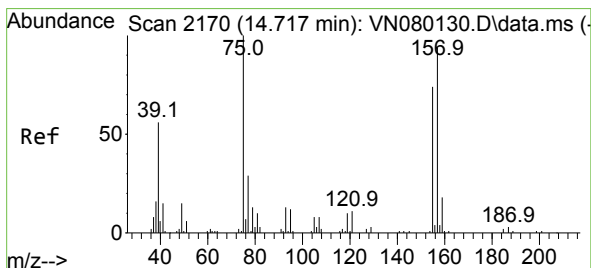
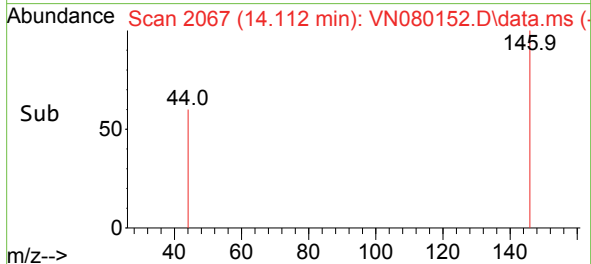
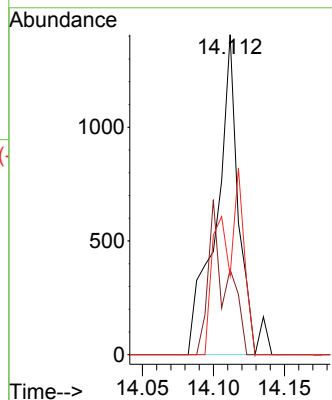


#91
1,2-Dichlorobenzene
Concen: 0.331 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :

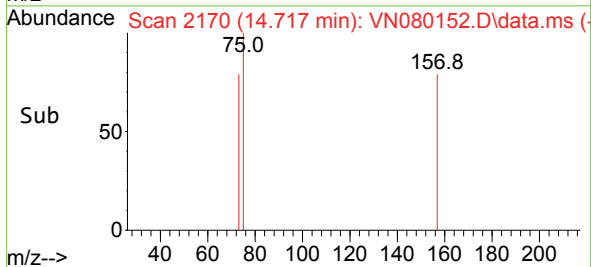
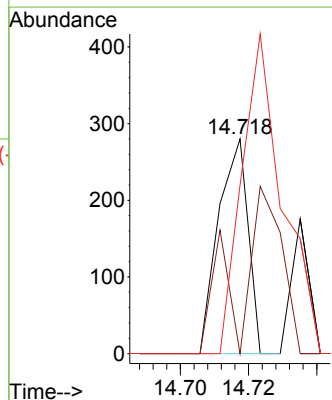
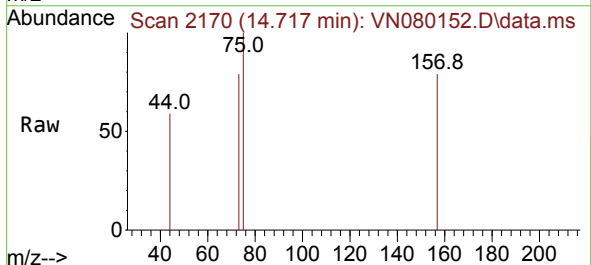


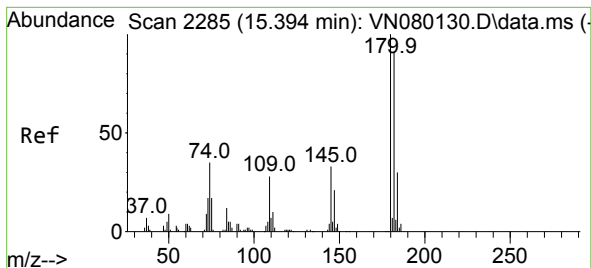
Tgt Ion:146 Resp: 1557
Ion Ratio Lower Upper
146 100
111 38.6 22.0 66.0
148 59.3 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.223 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN080152.D
Acq: 17 Nov 2023 10:54

Tgt Ion: 75 Resp: 168
Ion Ratio Lower Upper
75 100
155 113.1 39.1 117.2
157 205.4 50.3 150.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.971 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

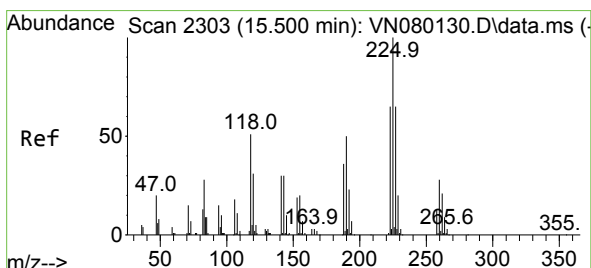
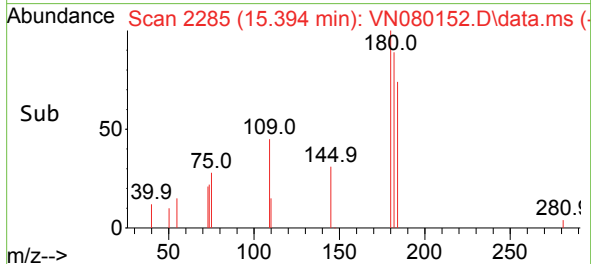
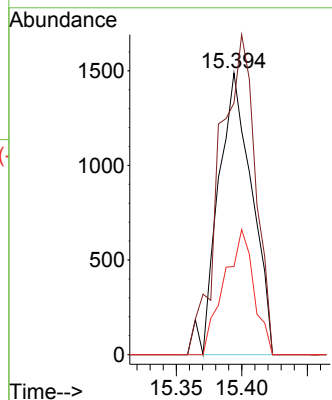
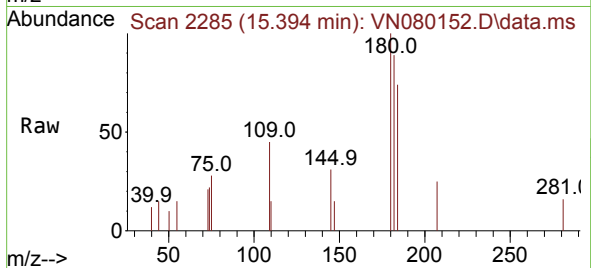
Tgt Ion:180 Resp: 2659

Ion Ratio Lower Upper

180 100

182 120.1 46.1 138.2

145 39.2 16.6 49.8



#94

Hexachlorobutadiene

Concen: 1.368 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

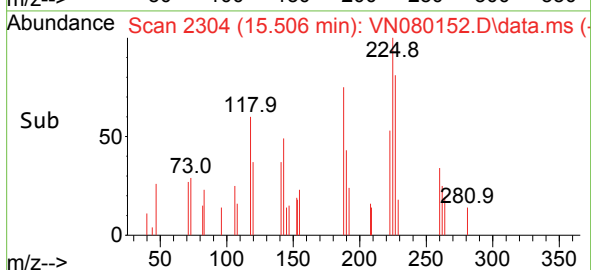
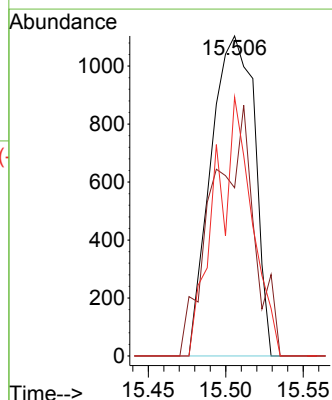
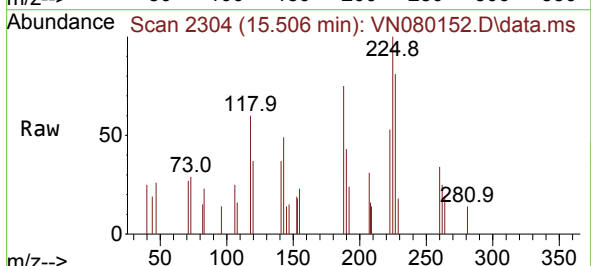
Tgt Ion:225 Resp: 2156

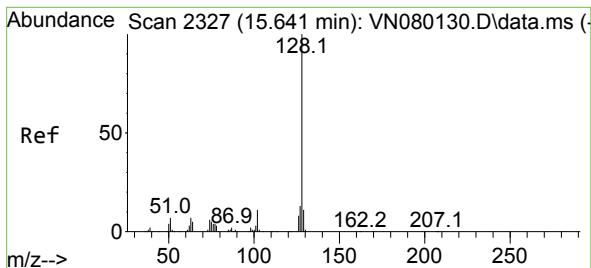
Ion Ratio Lower Upper

225 100

223 74.4 31.3 93.8

227 68.2 31.9 95.9





#95

Naphthalene

Concen: 1.823 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

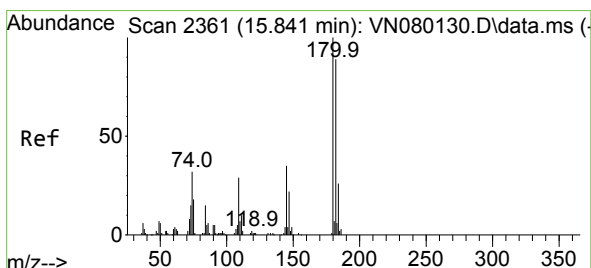
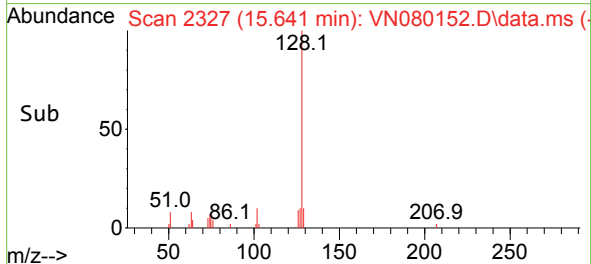
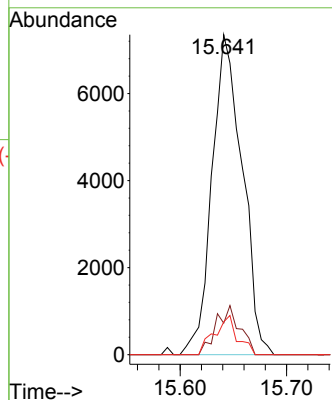
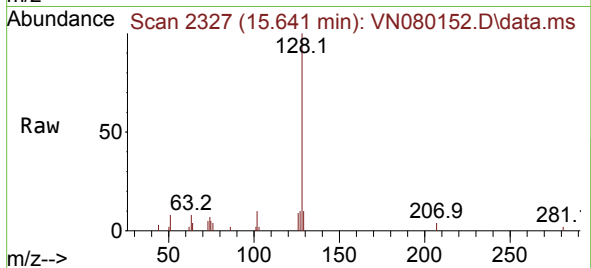
Tgt Ion:128 Resp: 14478

Ion Ratio Lower Upper

128 100

127 11.9 10.0 15.0

129 9.3 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.410 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080152.D

Acq: 17 Nov 2023 10:54

Tgt Ion:180 Resp: 3618

Ion Ratio Lower Upper

180 100

182 89.2 46.2 138.6

145 31.4 17.5 52.6

