

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080056.D
 Acq On : 13 Nov 2023 11:07
 Operator : JC\MD
 Sample : VN1113WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 19:22:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

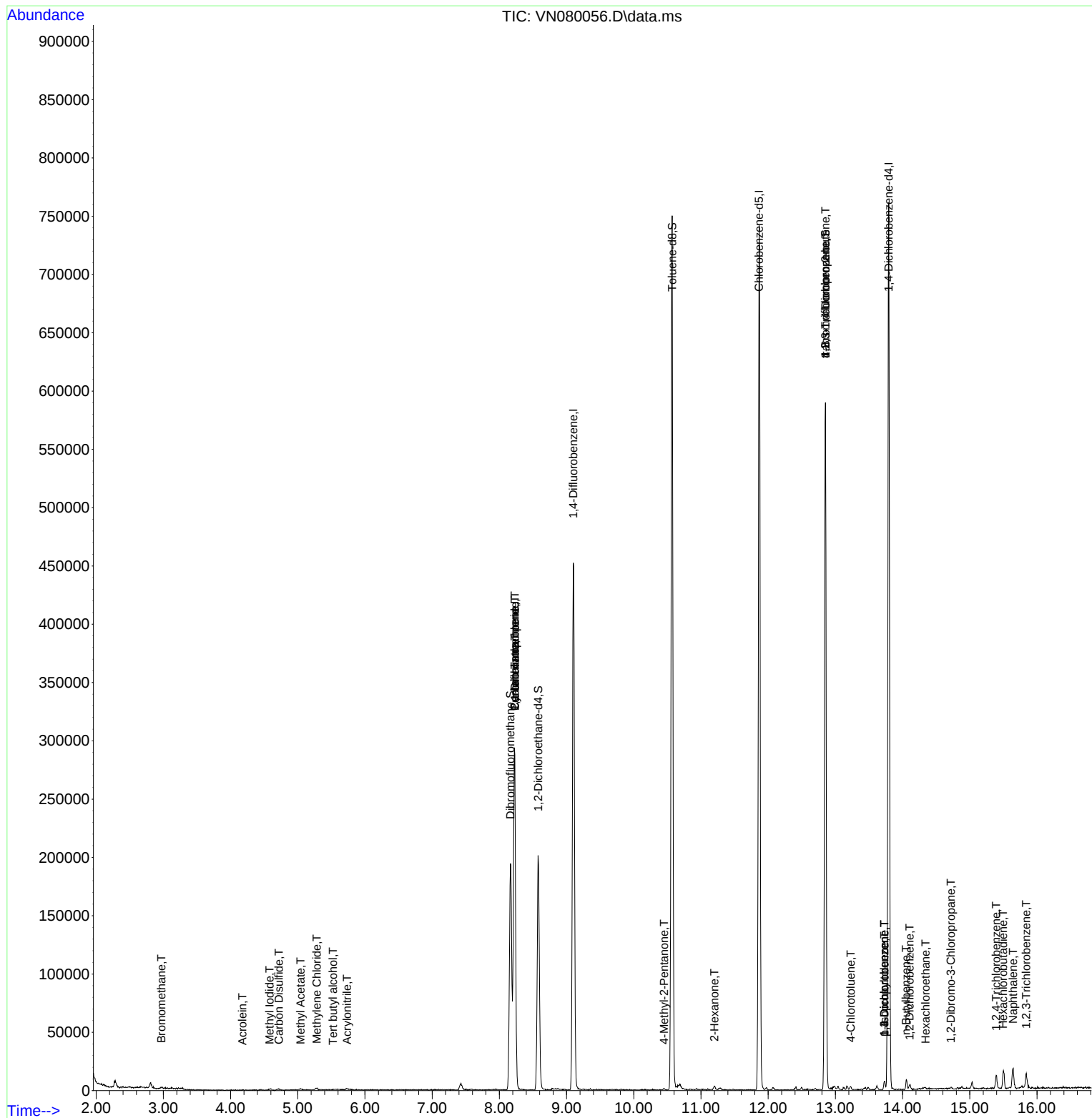
Internal Standards						
1) Pentafluorobenzene	8.230	168	204258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	433258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	206584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	173185	55.652	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.300%
35) Dibromofluoromethane	8.165	113	141203	51.140	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.280%
50) Toluene-d8	10.571	98	518553	51.015	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.040%
62) 4-Bromofluorobenzene	12.853	95	209778	62.228	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	124.460%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	704	Below Cal	#	42
5) Bromomethane	2.971	94	739	0.378	ug/l	90
10) Methyl Iodide	4.583	142	1888	0.712	ug/l #	66
11) Tert butyl alcohol	5.524	59	112	0.282	ug/l #	72
13) Acrolein	4.177	56	302	3.373	ug/l #	39
15) Acrylonitrile	5.736	53	664	0.536	ug/l #	71
17) Carbon Disulfide	4.718	76	2800	0.442	ug/l #	75
18) Methyl Acetate	5.042	43	1560	0.298	ug/l #	52
20) Methylene Chloride	5.283	84	781	0.283	ug/l #	90
31) Cyclohexane	8.230	56	5085	1.237	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	16963	4.303	ug/l #	48
38) Carbon Tetrachloride	8.230	117	23447	5.901	ug/l #	18
51) 4-Methyl-2-Pentanone	10.453	43	1048	0.294	ug/l #	78
59) 2-Hexanone	11.200	43	2130	0.780	ug/l	96
76) 1,2,3-Trichloropropane	12.853	75	109155	22.506	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109155	61.234	ug/l #	15
82) 4-Chlorotoluene	13.229	91	2350	0.206	ug/l	90
86) p-Isopropyltoluene	13.729	119	2432	0.216	ug/l	95
87) 1,3-Dichlorobenzene	13.729	146	2013	0.282	ug/l	92
88) 1,4-Dichlorobenzene	13.729	146	2013	0.278	ug/l	93
89) n-Butylbenzene	14.053	91	5211	0.536	ug/l	97
90) Hexachloroethane	14.341	117	510	0.228	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	1946	0.289	ug/l	78
92) 1,2-Dibromo-3-Chloropr...	14.717	75	489	0.519	ug/l	71
93) 1,2,4-Trichlorobenzene	15.394	180	3890	1.214	ug/l	80
94) Hexachlorobutadiene	15.494	225	3163	2.177	ug/l	98
95) Naphthalene	15.647	128	16554	1.523	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	4861	1.547	ug/l	96

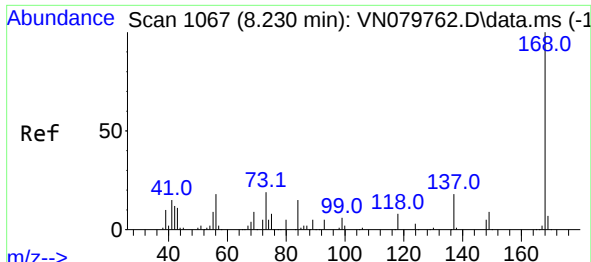
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
Data File : VN080056.D
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Instrument :
MSVOA_N
ClientSampleId :

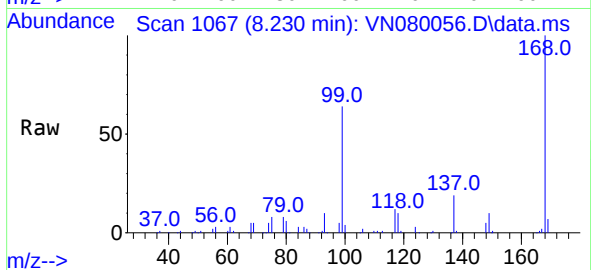
Quant Time: Nov 14 19:22:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



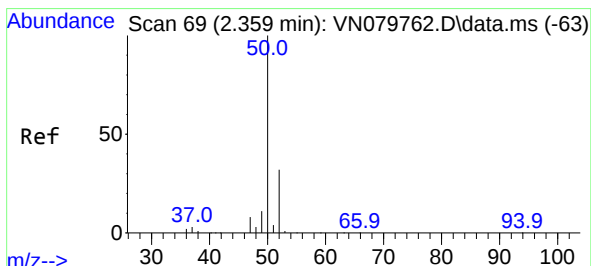
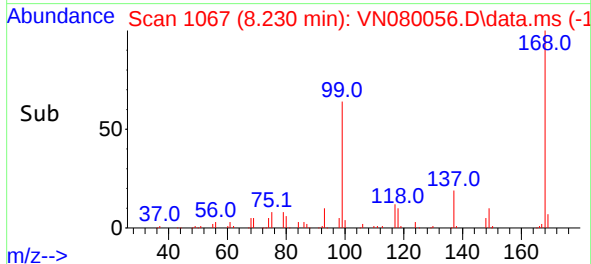
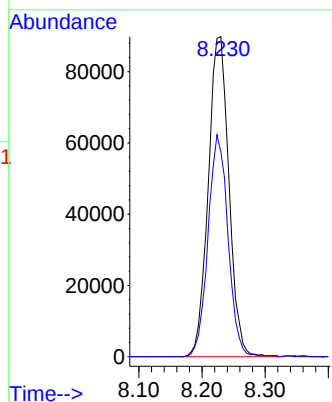


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Instrument :
MSVOA_N
ClientSampleId :

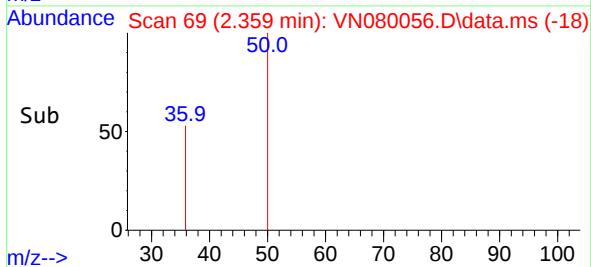
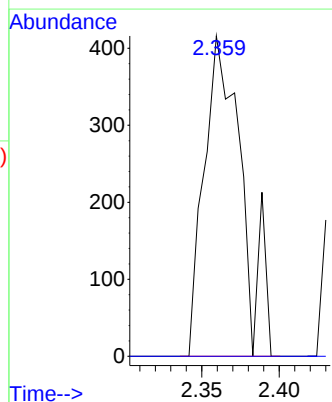
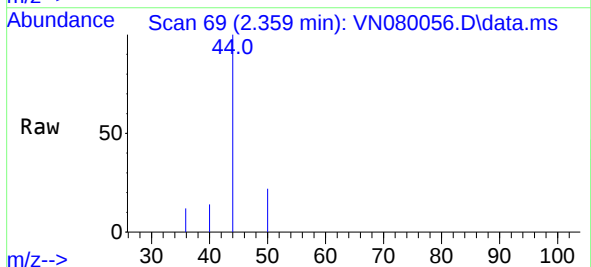


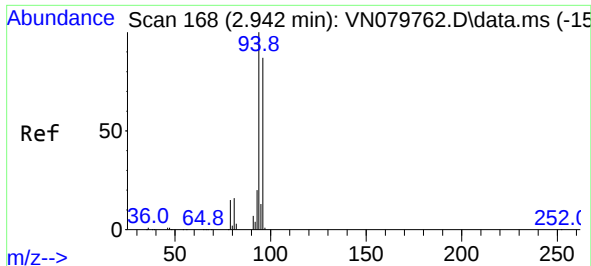
Tgt Ion:168 Resp: 204258
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 50 Resp: 704
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

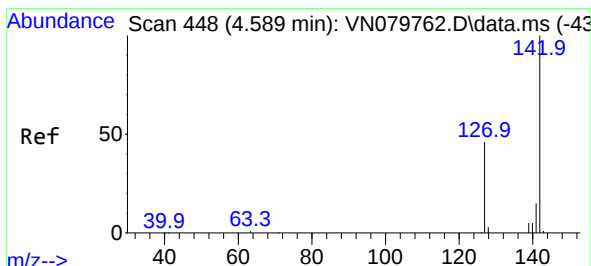
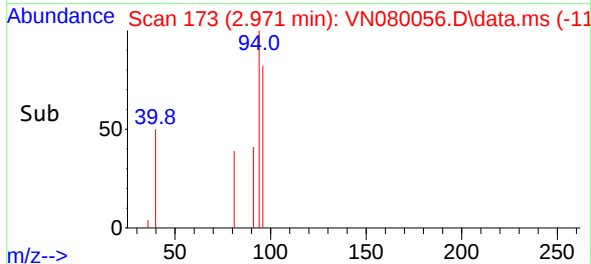
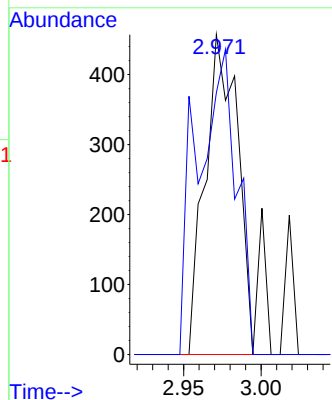
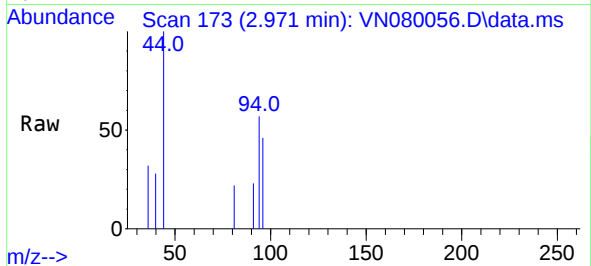




#5
Bromomethane
Concen: 0.378 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

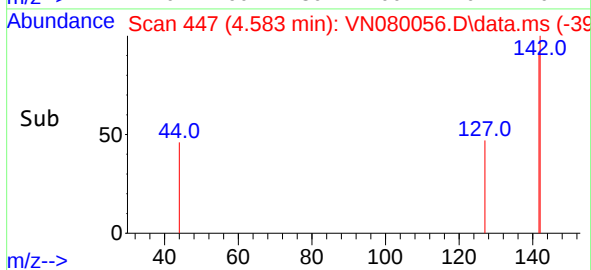
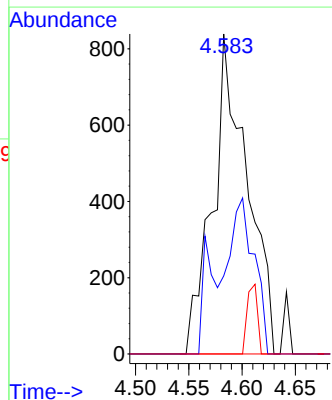
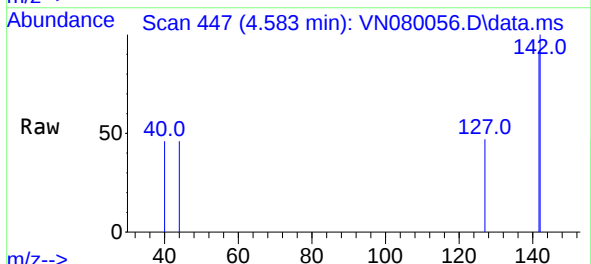
Instrument :
MSVOA_N
ClientSampleId :

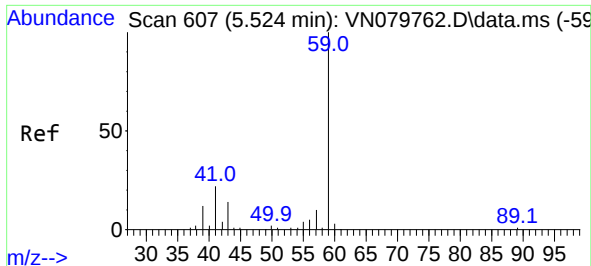
Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 81.8 73.1 109.7



#10
Methyl Iodide
Concen: 0.712 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 142 Resp: 1888
Ion Ratio Lower Upper
142 100
127 24.4 37.6 56.4#
141 0.0 11.4 17.0#

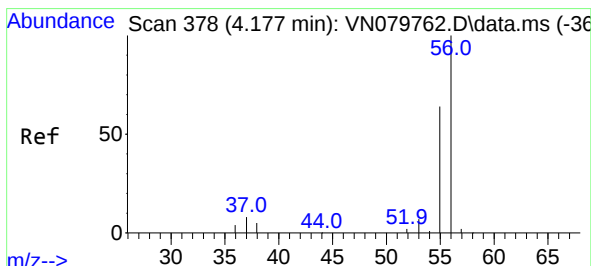
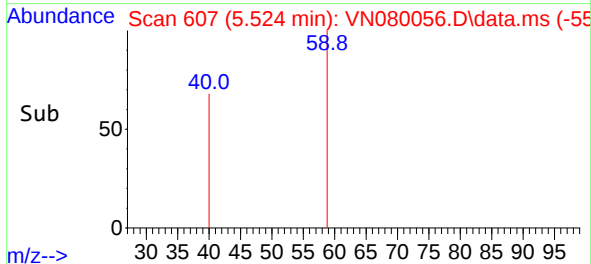
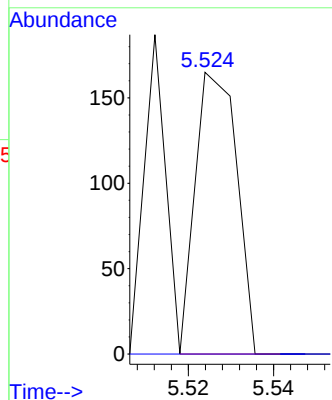
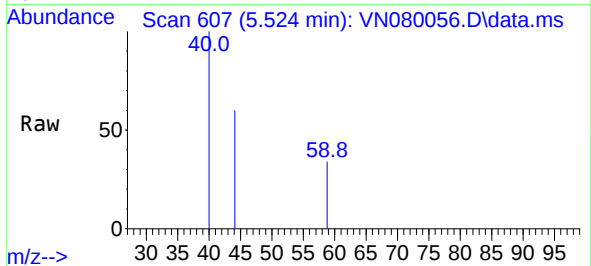




#11
Tert butyl alcohol
Concen: 0.282 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

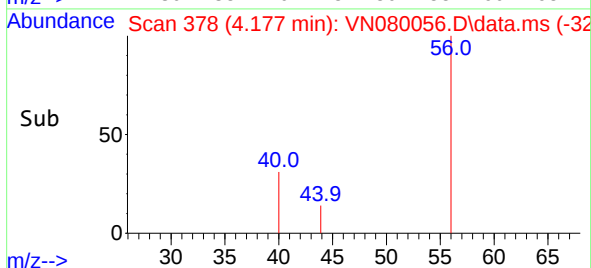
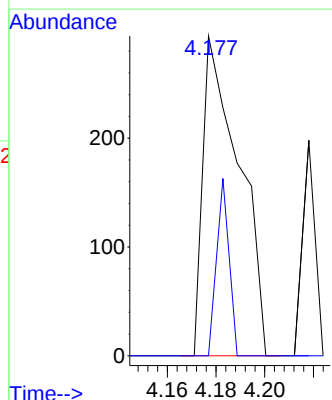
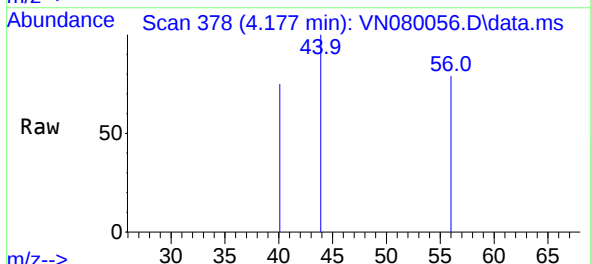
Instrument :
MSVOA_N
ClientSampleId :

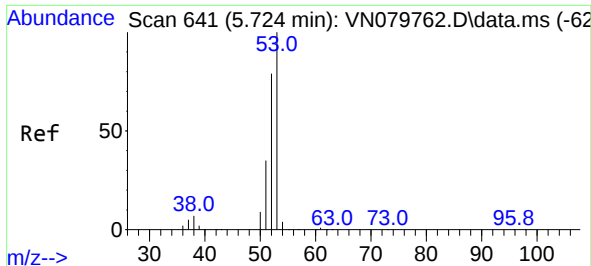
Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 3.373 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 18.9 54.5 81.7#

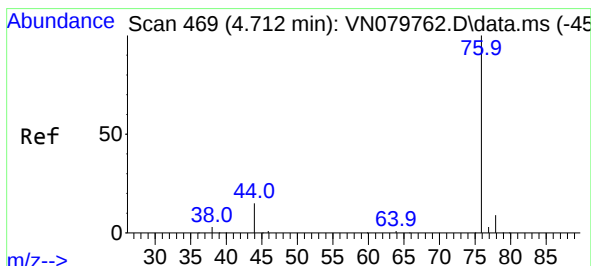
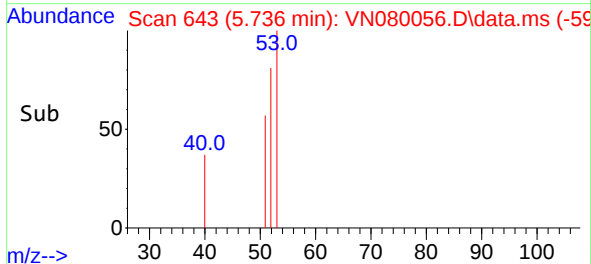
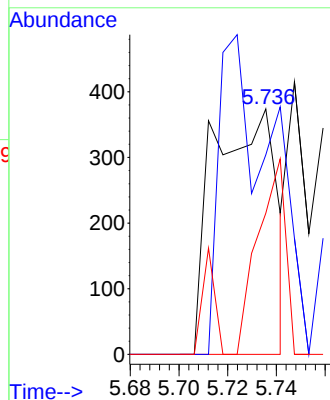
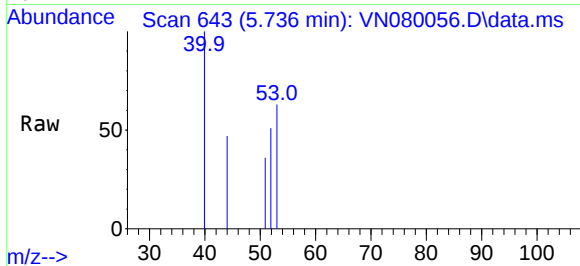




#15
Acrylonitrile
Concen: 0.536 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

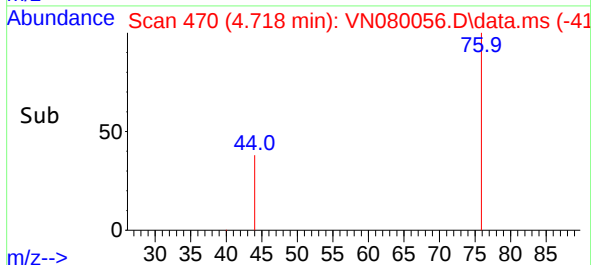
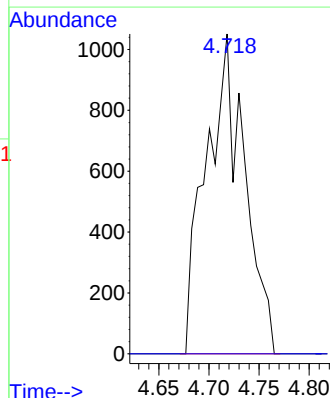
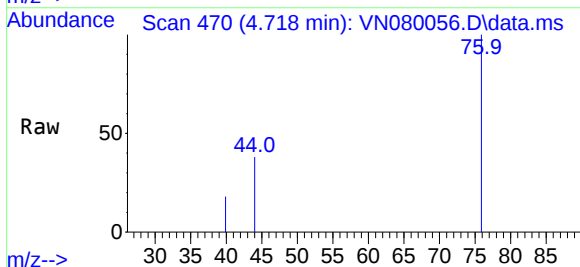
Instrument :
MSVOA_N
ClientSampleId :

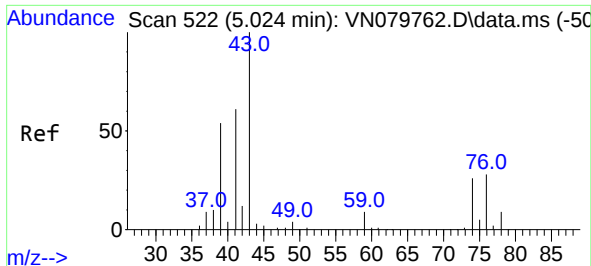
Tgt Ion: 53 Resp: 664
Ion Ratio Lower Upper
53 100
52 118.4 65.3 97.9#
51 35.4 28.9 43.3



#17
Carbon Disulfide
Concen: 0.442 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 76 Resp: 2800
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

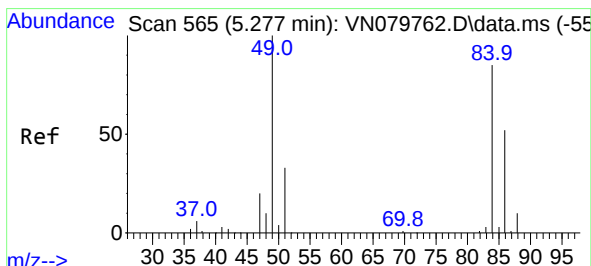
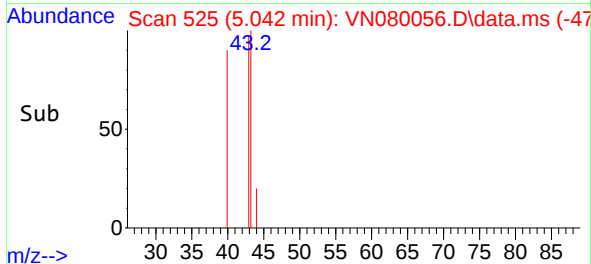
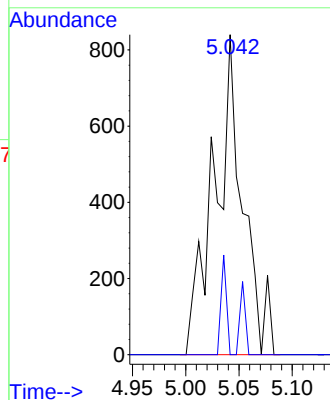
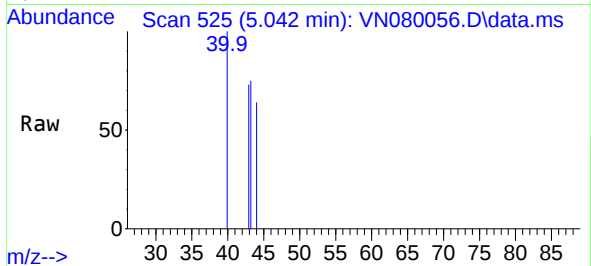




#18
Methyl Acetate
Concen: 0.298 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

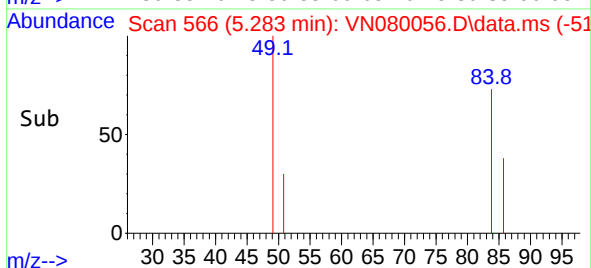
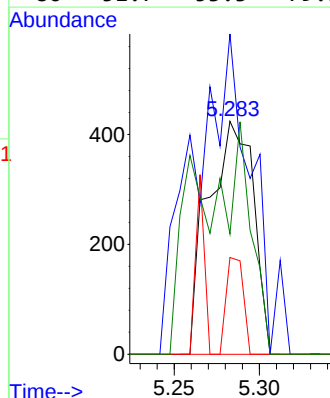
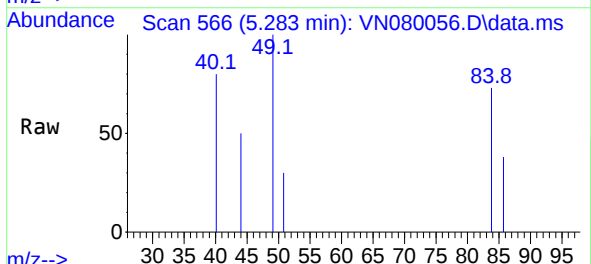
Instrument :
MSVOA_N
ClientSampleId :

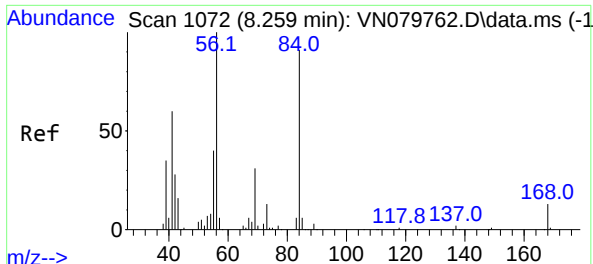
Tgt Ion: 43 Resp: 1560
Ion Ratio Lower Upper
43 100
74 5.9 26.2 39.4#



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

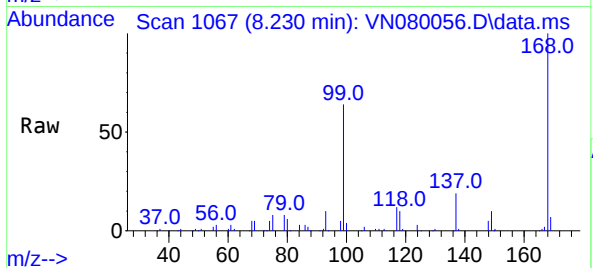
Tgt Ion: 84 Resp: 781
Ion Ratio Lower Upper
84 100
49 97.2 79.7 119.5
51 41.5 25.2 37.8#
86 51.7 53.3 79.9#



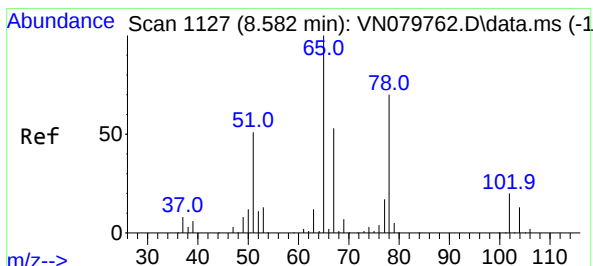
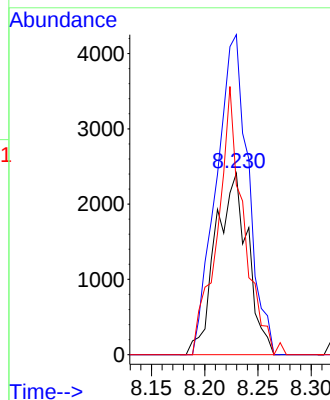
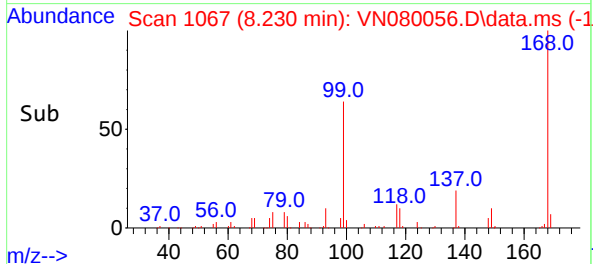


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Instrument :
MSVOA_N
ClientSampleId :

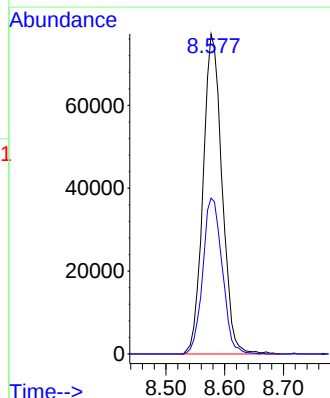
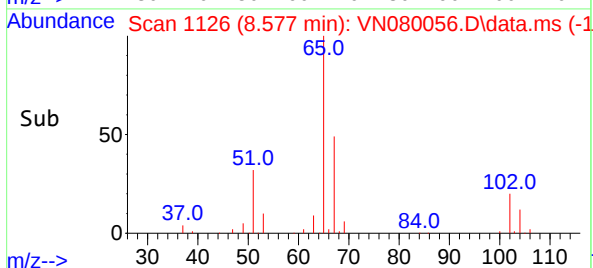
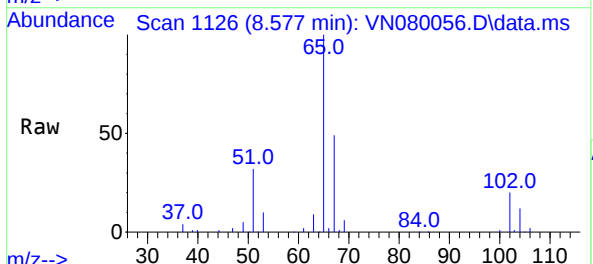


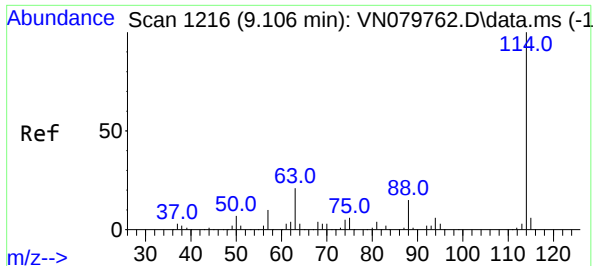
Tgt Ion: 56 Resp: 5085
Ion Ratio Lower Upper
56 100
69 176.4 26.8 40.2#
84 93.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.652 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 65 Resp: 173185
Ion Ratio Lower Upper
65 100
67 49.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080056.D

Acq: 13 Nov 2023 11:07

Instrument :

MSVOA_N

ClientSampleId :

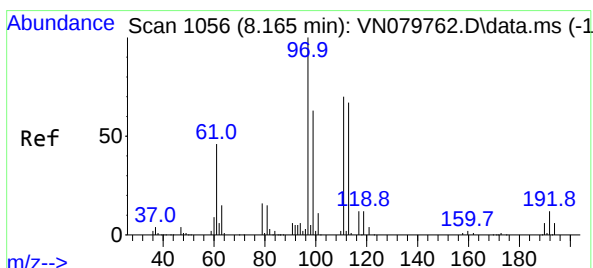
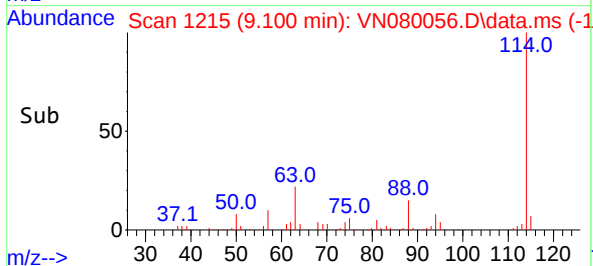
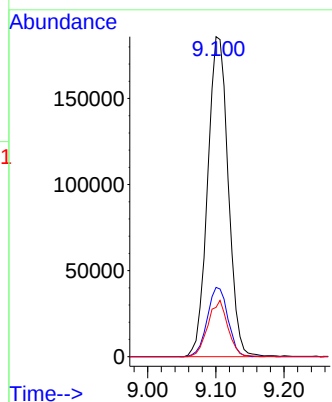
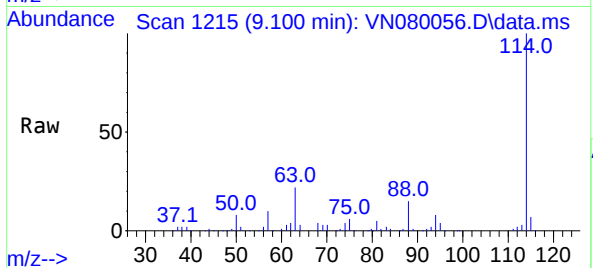
Tgt Ion:114 Resp: 390122

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.140 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080056.D

Acq: 13 Nov 2023 11:07

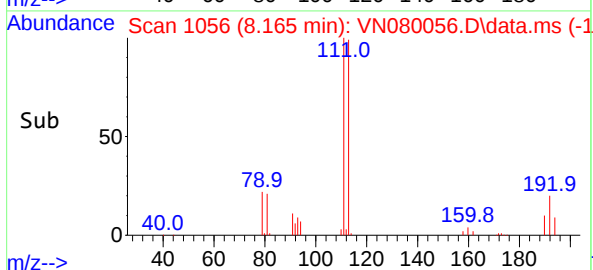
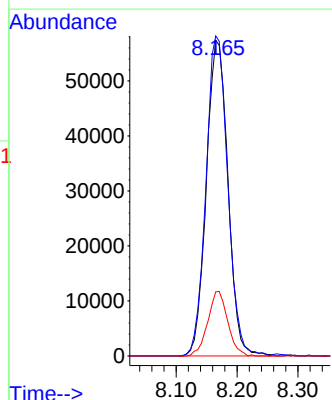
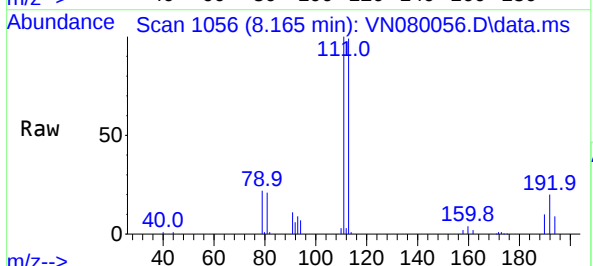
Tgt Ion:113 Resp: 141203

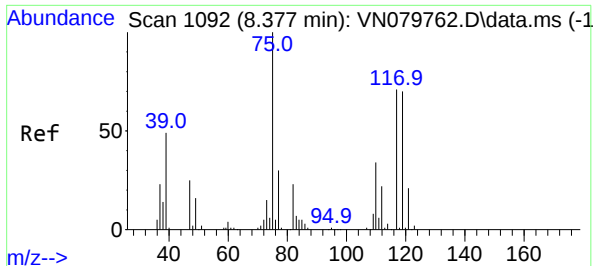
Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

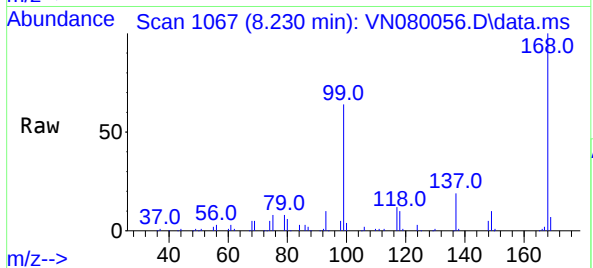
192 18.9 12.7 19.1



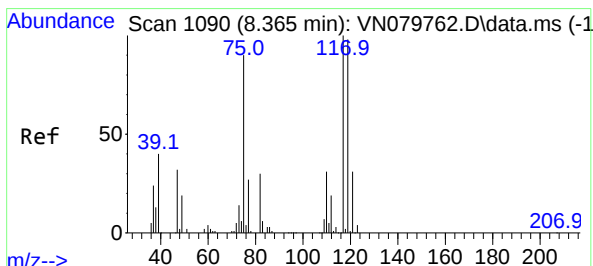
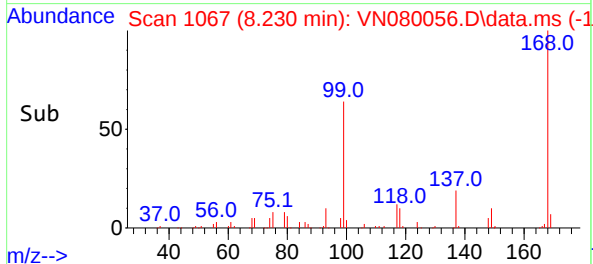
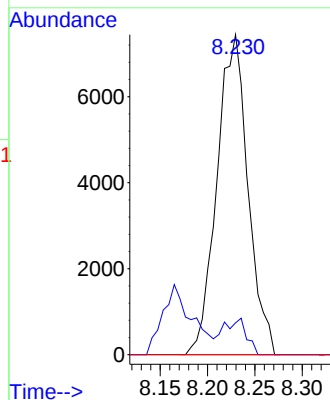


#36
1,1-Dichloropropene
Concen: 4.303 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Instrument :
MSVOA_N
ClientSampleId :

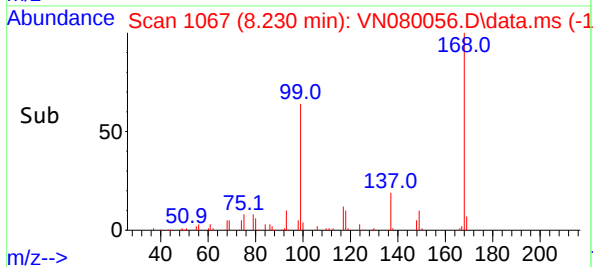
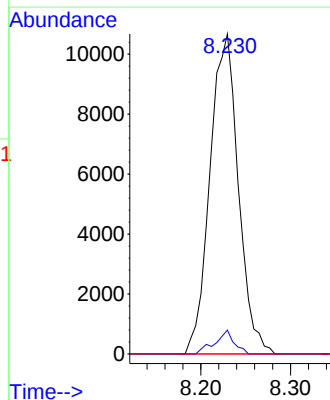
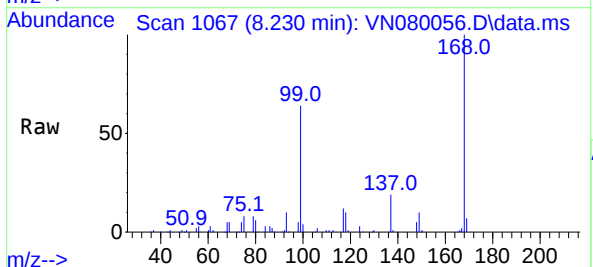


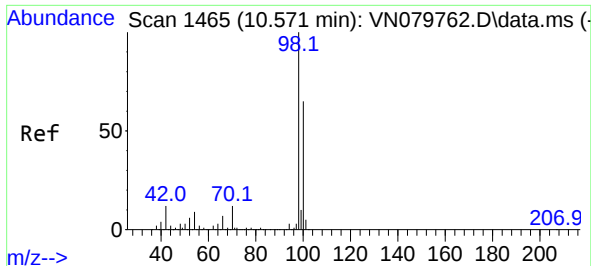
Tgt Ion: 75 Resp: 16963
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

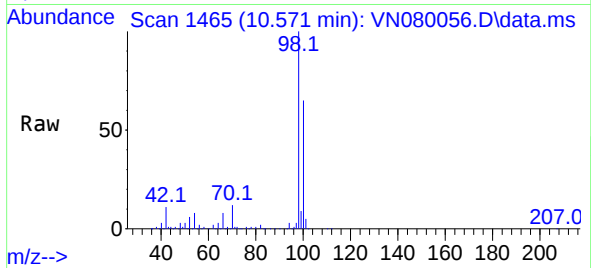
Tgt Ion: 117 Resp: 23447
Ion Ratio Lower Upper
117 100
119 7.4 77.3 115.9#
121 0.0 23.3 34.9#



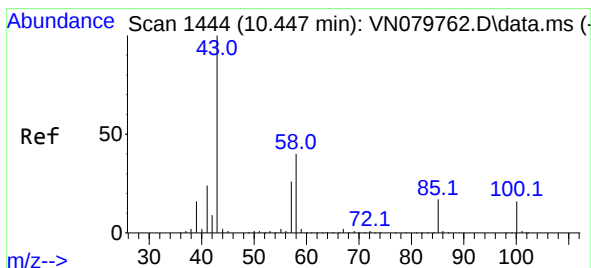
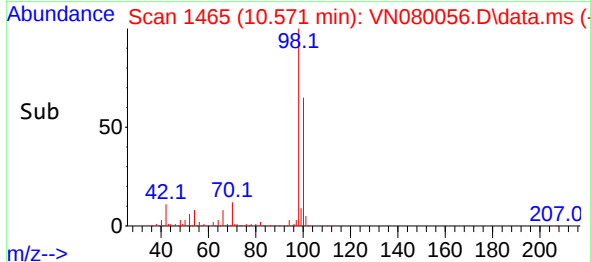
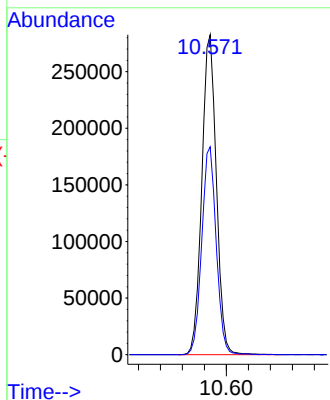


#50
Toluene-d8
Concen: 51.015 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Instrument :
MSVOA_N
ClientSampleId :

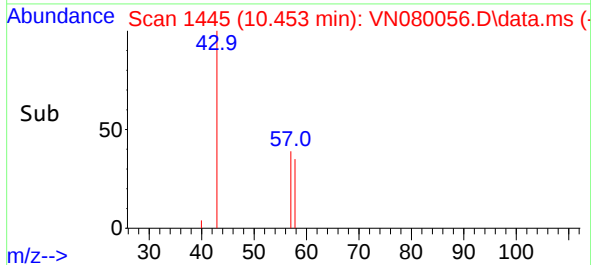
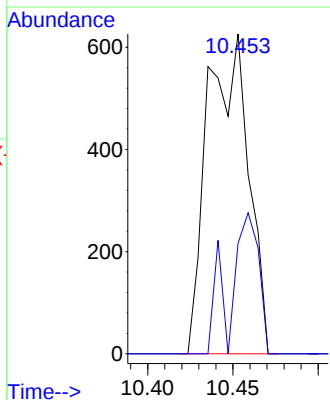
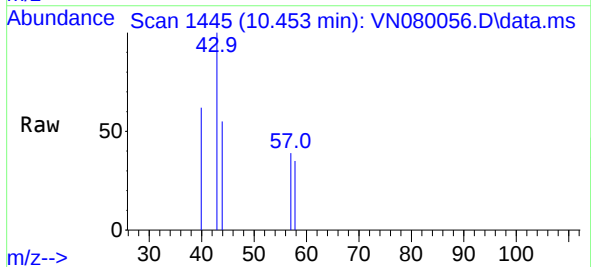


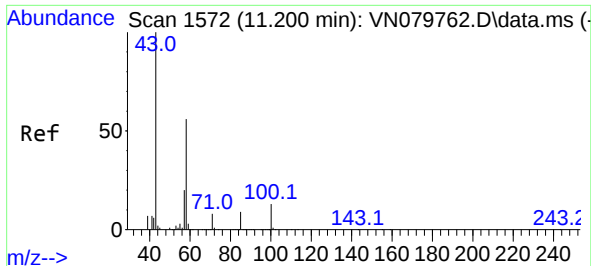
Tgt Ion: 98 Resp: 518553
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
58 31.0 36.6 54.8#

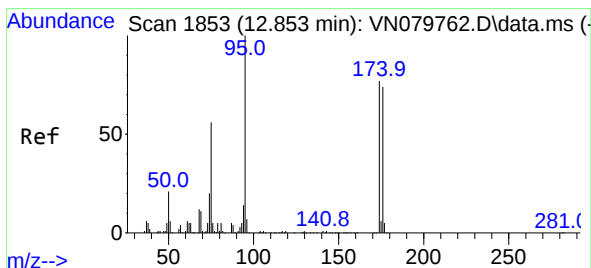
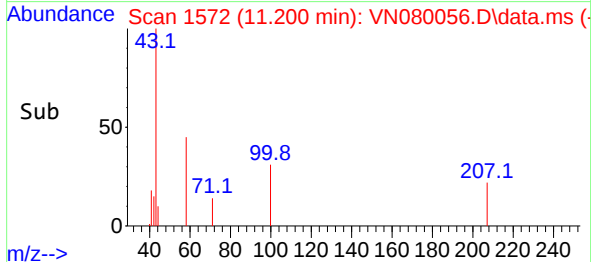
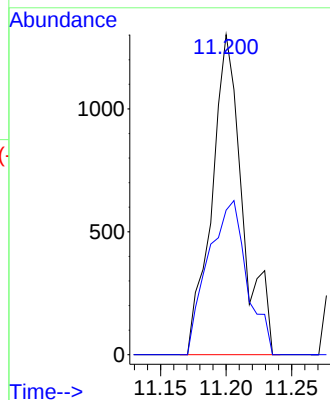
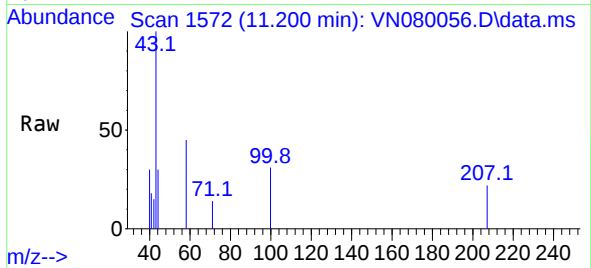




#59
2-Hexanone
Concen: 0.780 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

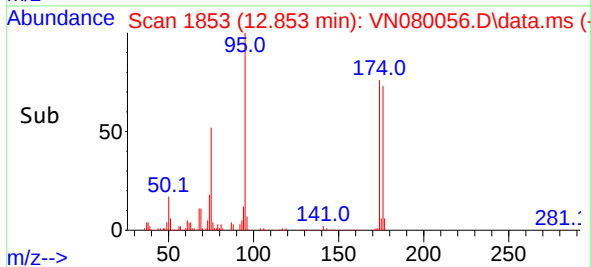
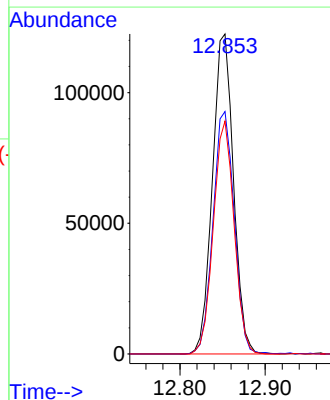
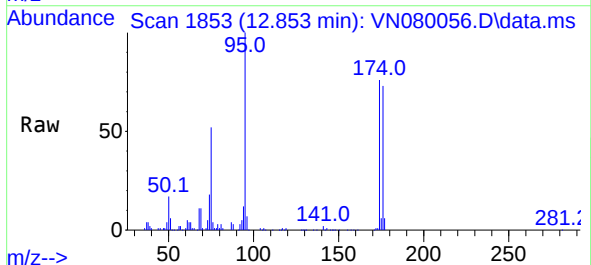
Instrument :
MSVOA_N
ClientSampleId :

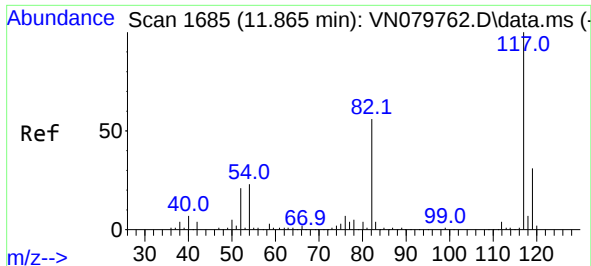
Tgt Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
58 60.5 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 62.228 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 95 Resp: 209778
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 71.7 0.0 135.8

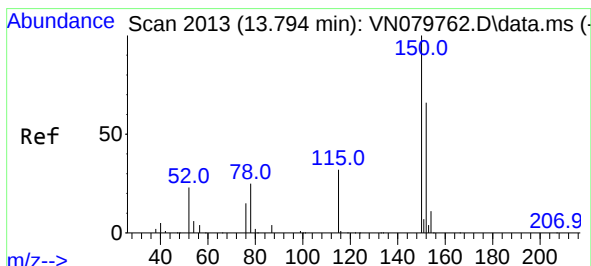
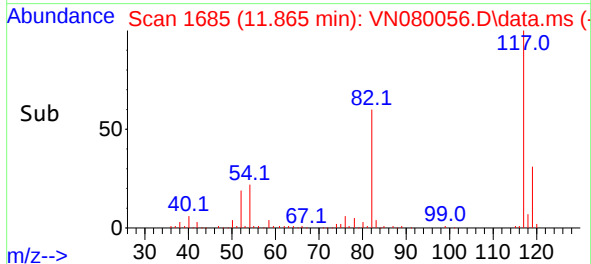
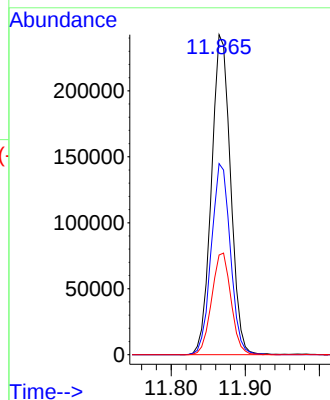
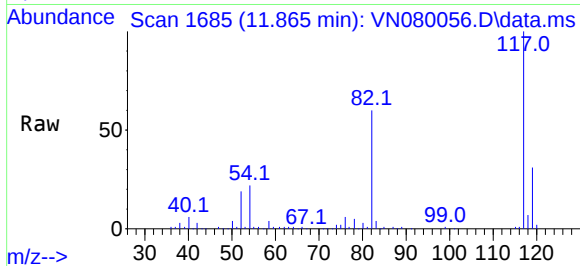




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

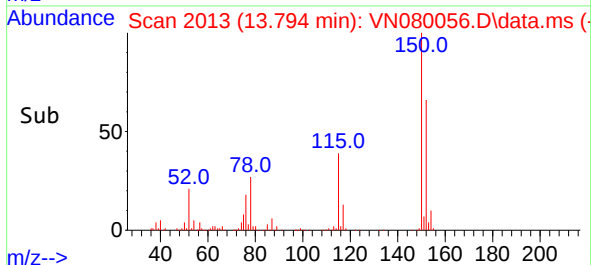
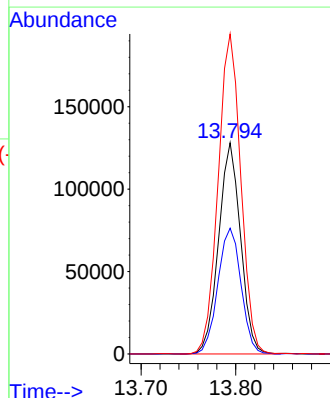
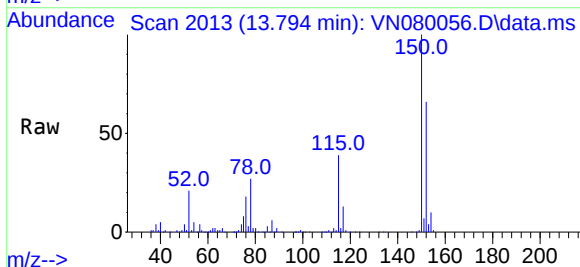
Instrument :
MSVOA_N
ClientSampleId :

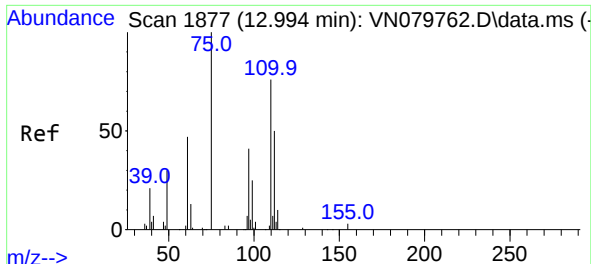
Tgt Ion:117 Resp: 433258
Ion Ratio Lower Upper
117 100
82 59.7 44.0 66.0
119 31.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion:152 Resp: 206584
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 156.5 0.0 355.8

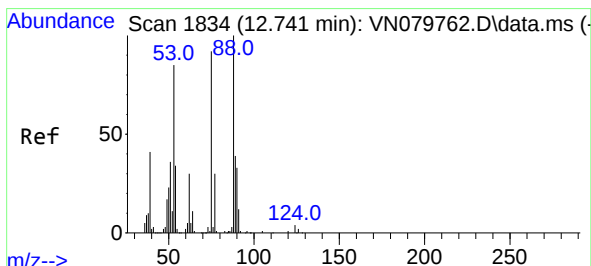
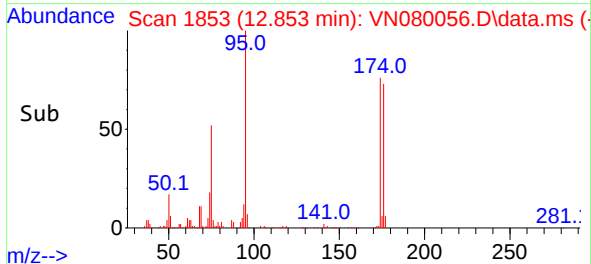
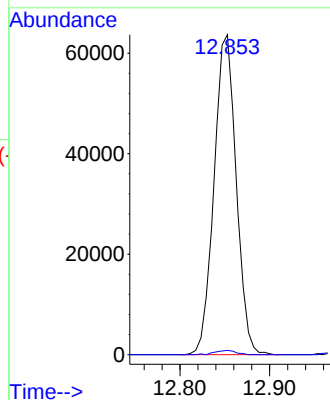
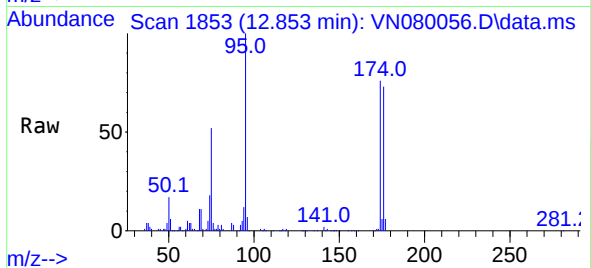




#76
1,2,3-Trichloropropane
Concen: 22.506 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

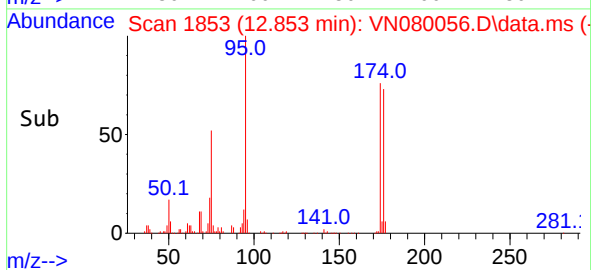
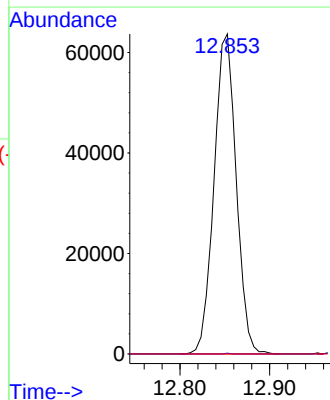
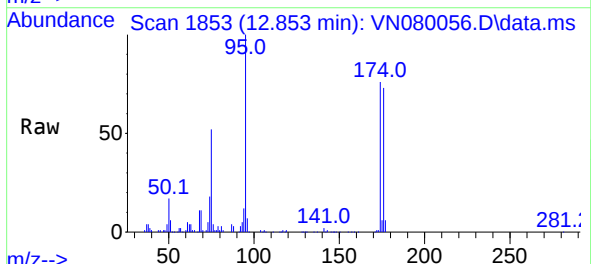
Instrument :
MSVOA_N
ClientSampleId :

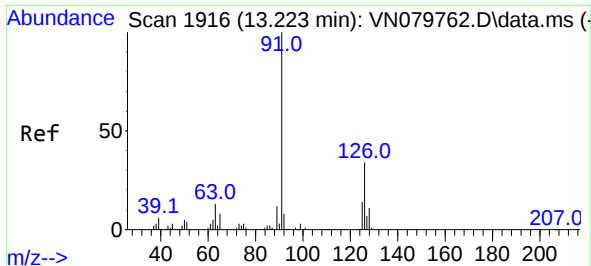
Tgt Ion: 75 Resp: 109155
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.234 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 75 Resp: 109155
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

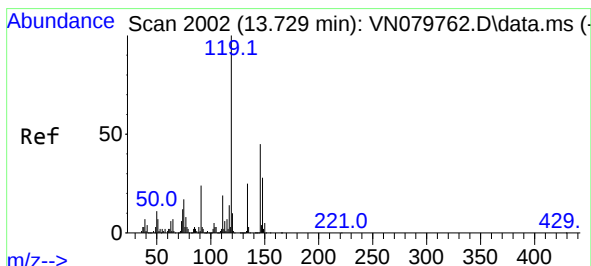
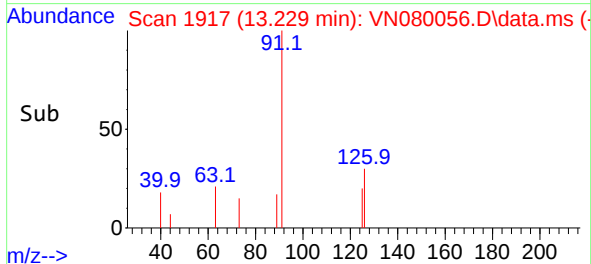
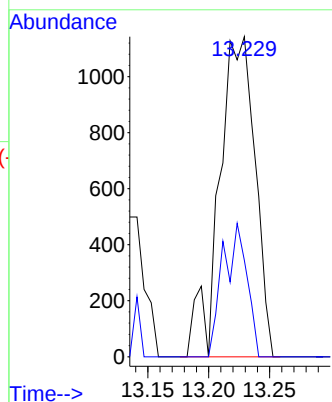
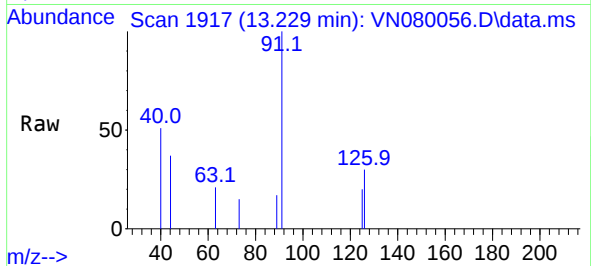




#82
4-Chlorotoluene
Concen: 0.206 ug/l
RT: 13.229 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

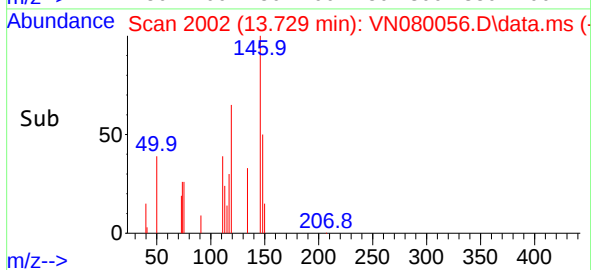
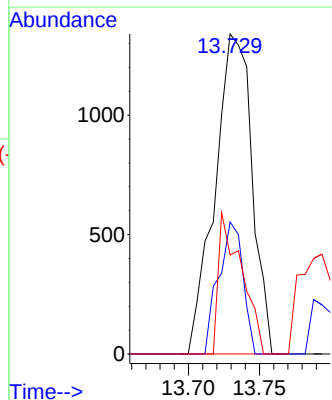
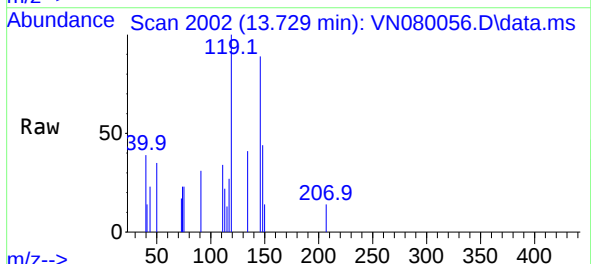
Instrument :
MSVOA_N
ClientSampleId :

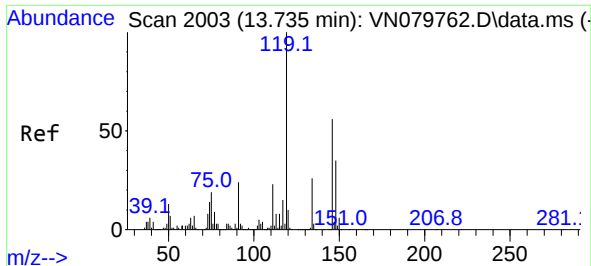
Tgt Ion: 91 Resp: 2350
Ion Ratio Lower Upper
91 100
126 27.7 16.7 50.0



#86
p-Isopropyltoluene
Concen: 0.216 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion: 119 Resp: 2432
Ion Ratio Lower Upper
119 100
134 27.2 12.6 37.8
91 27.5 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.282 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

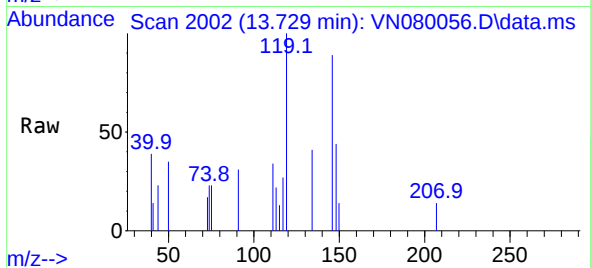
Lab File: VN080056.D

Acq: 13 Nov 2023 11:07

Instrument :

MSVOA_N

ClientSampleId :



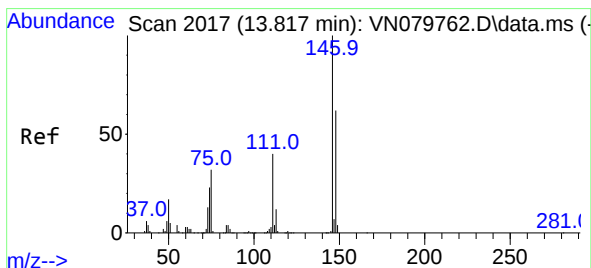
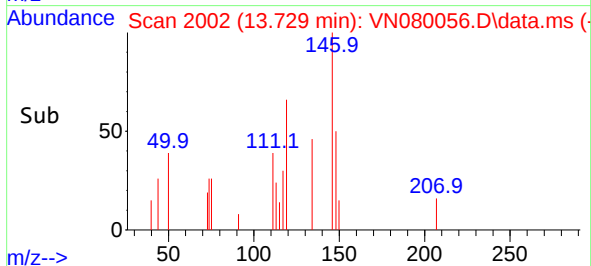
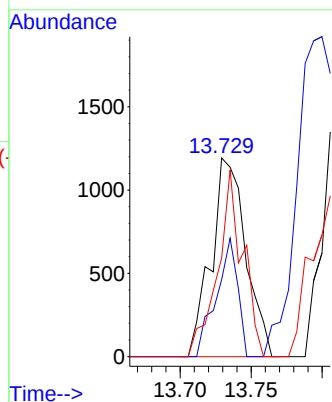
Tgt Ion:146 Resp: 2013

Ion Ratio Lower Upper

146 100

111 36.8 22.1 66.3

148 68.3 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.278 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.088 min

Lab File: VN080056.D

Acq: 13 Nov 2023 11:07

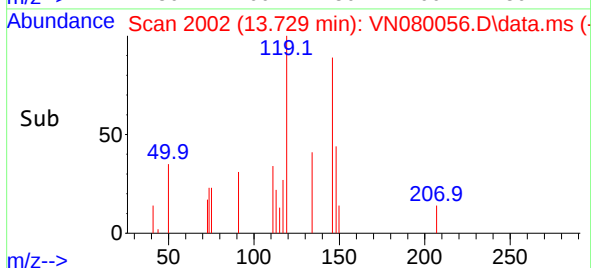
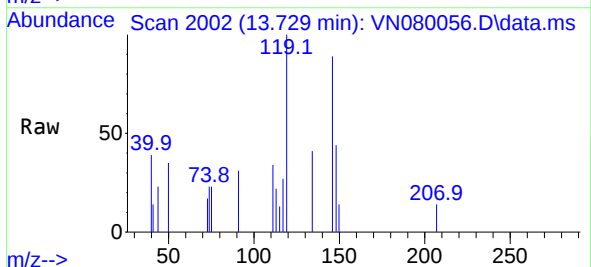
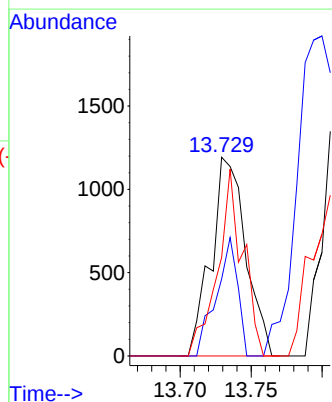
Tgt Ion:146 Resp: 2013

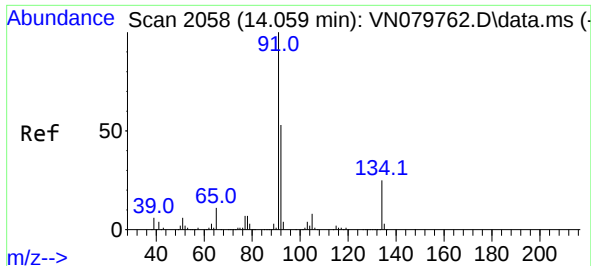
Ion Ratio Lower Upper

146 100

111 36.8 20.6 61.8

148 68.3 31.6 94.8

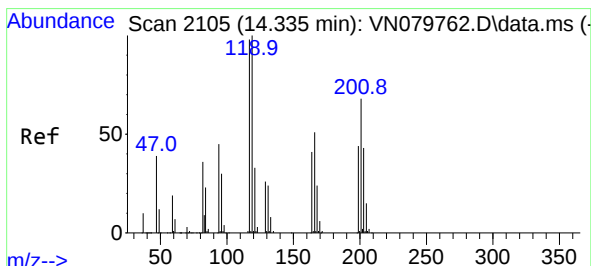
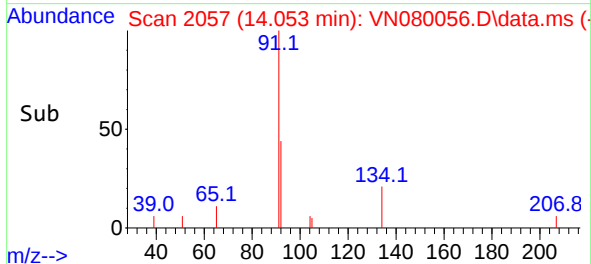
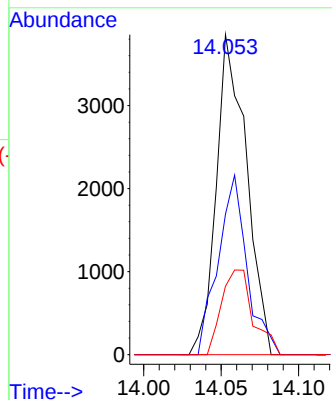
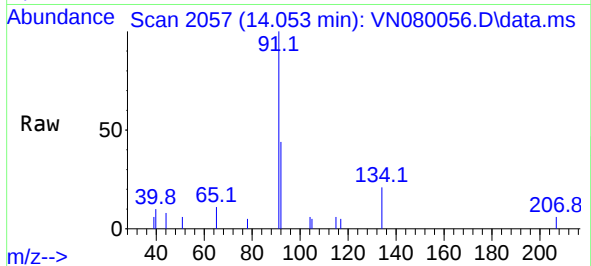




#89
n-Butylbenzene
Concen: 0.536 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

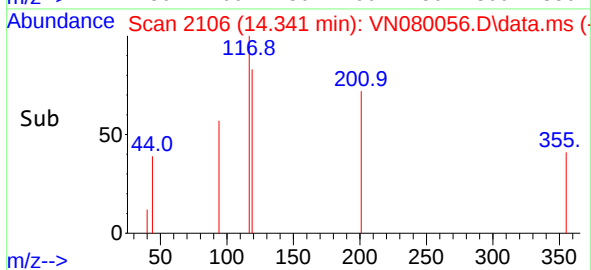
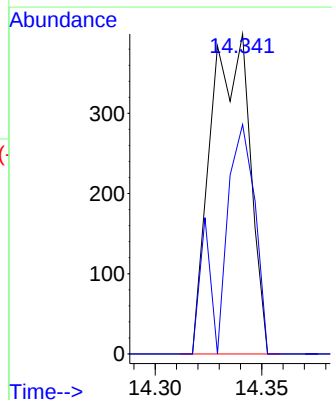
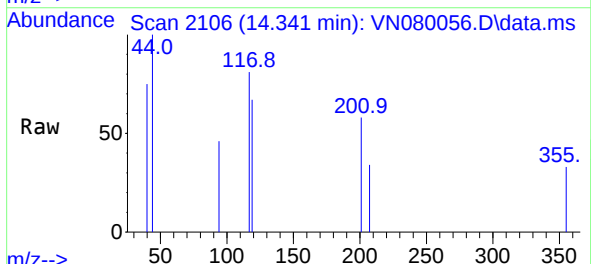
Instrument :
MSVOA_N
ClientSampleId :

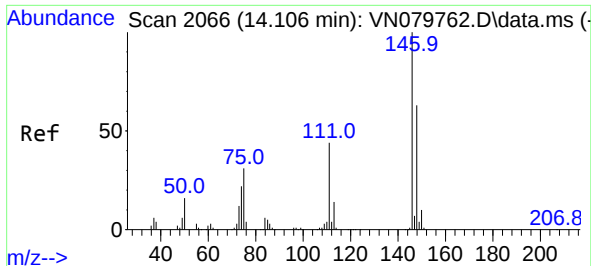
Tgt Ion: 91 Resp: 5211
Ion Ratio Lower Upper
91 100
92 53.8 26.4 79.0
134 27.7 12.6 37.6



#90
Hexachloroethane
Concen: 0.228 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

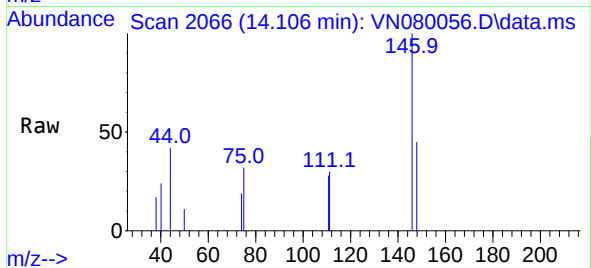
Tgt Ion: 117 Resp: 510
Ion Ratio Lower Upper
117 100
201 60.2 29.3 88.0



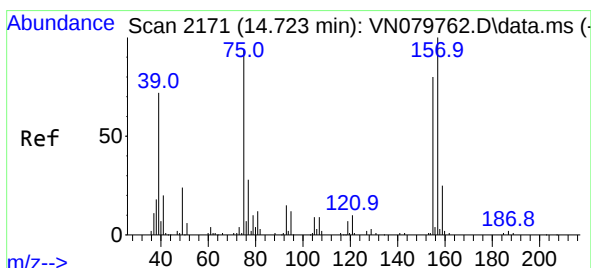
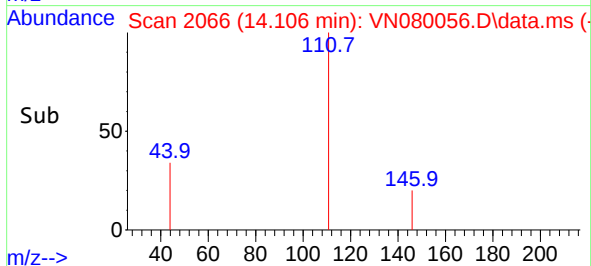
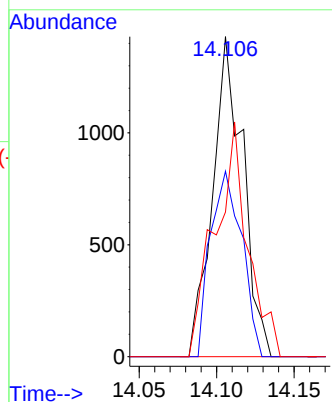


#91
1,2-Dichlorobenzene
Concen: 0.289 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Instrument :
MSVOA_N
ClientSampleId :

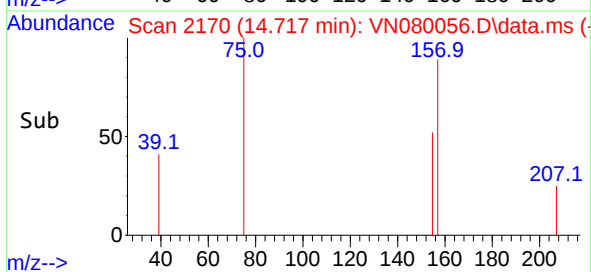
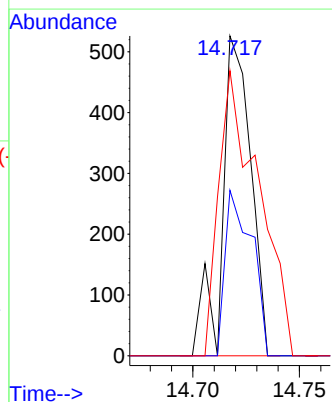
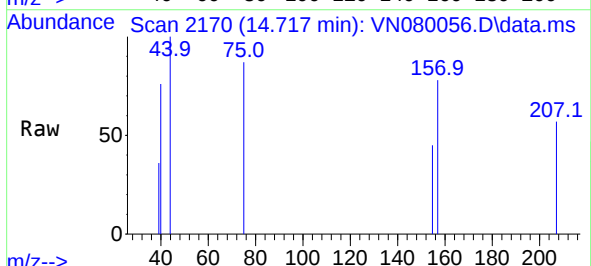


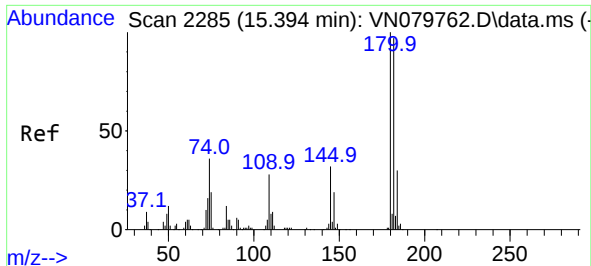
Tgt Ion:146 Resp: 1946
Ion Ratio Lower Upper
146 100
111 59.9 22.0 66.0
148 79.2 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.519 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

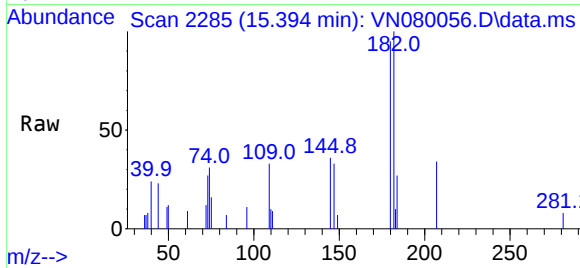
Tgt Ion: 75 Resp: 489
Ion Ratio Lower Upper
75 100
155 48.5 39.1 117.2
157 124.9 50.3 150.9



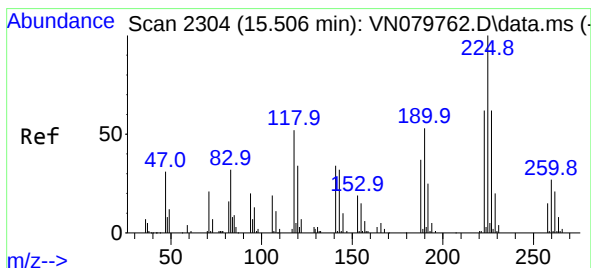
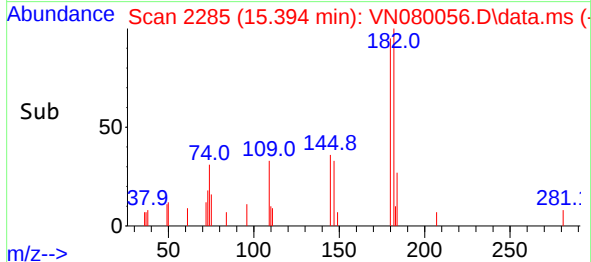
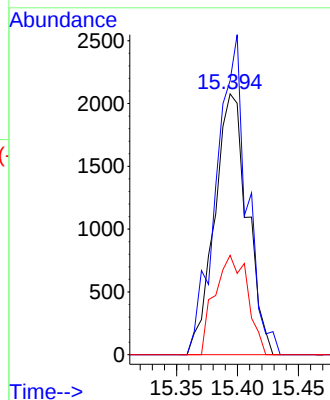


#93
1,2,4-Trichlorobenzene
Concen: 1.214 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Instrument :
MSVOA_N
ClientSampleId :

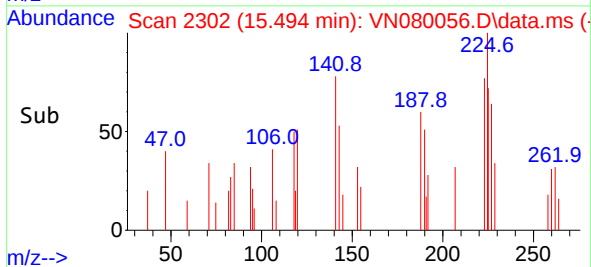
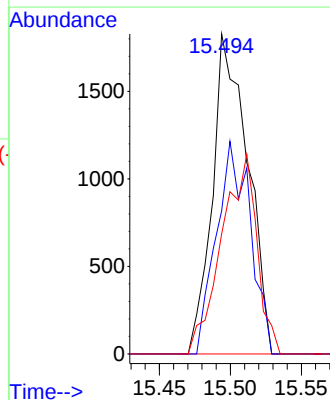
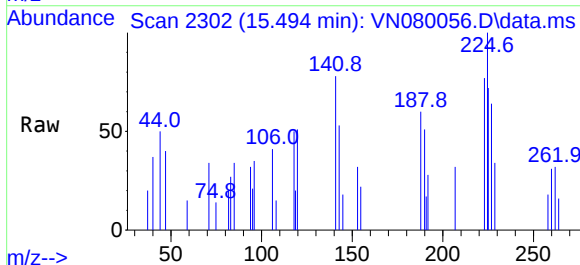


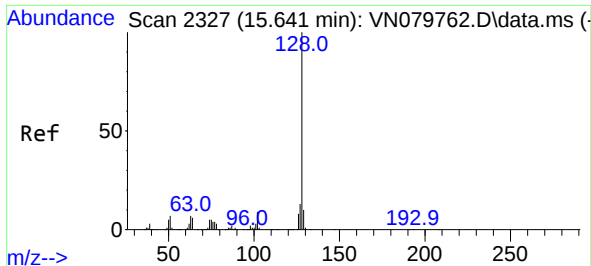
Tgt Ion:	180	Resp:	3890
Ion	Ratio	Lower	Upper
180	100		
182	114.3	46.1	138.2
145	38.3	16.6	49.8



#94
Hexachlorobutadiene
Concen: 2.177 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.012 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion:	225	Resp:	3163
Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	62.0	31.9	95.9

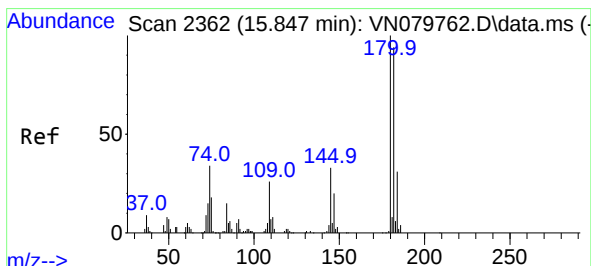
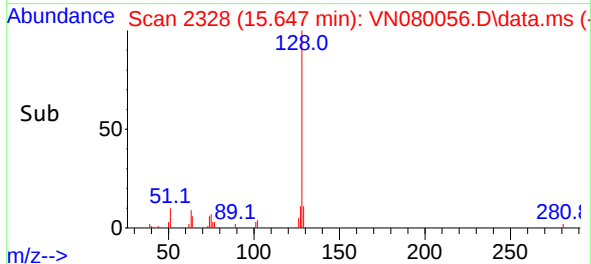
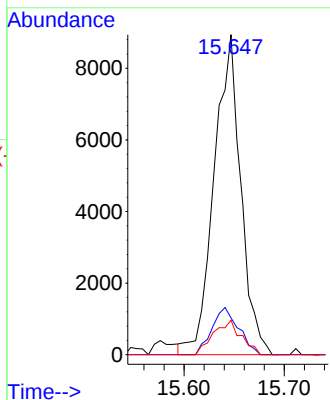
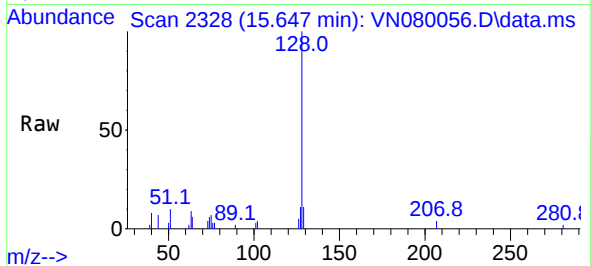




#95
Naphthalene
Concen: 1.523 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	16554
Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.0	15.0
129	11.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.547 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN080056.D
Acq: 13 Nov 2023 11:07

Tgt Ion:	180	Resp:	4861
Ion	Ratio	Lower	Upper
180	100		
182	96.8	46.2	138.6
145	36.5	17.5	52.6

