

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022323\
 Data File : VN076789.D
 Acq On : 23 Feb 2023 13:22
 Operator : JC\MD
 Sample : 01664-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Feb 24 01:34:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

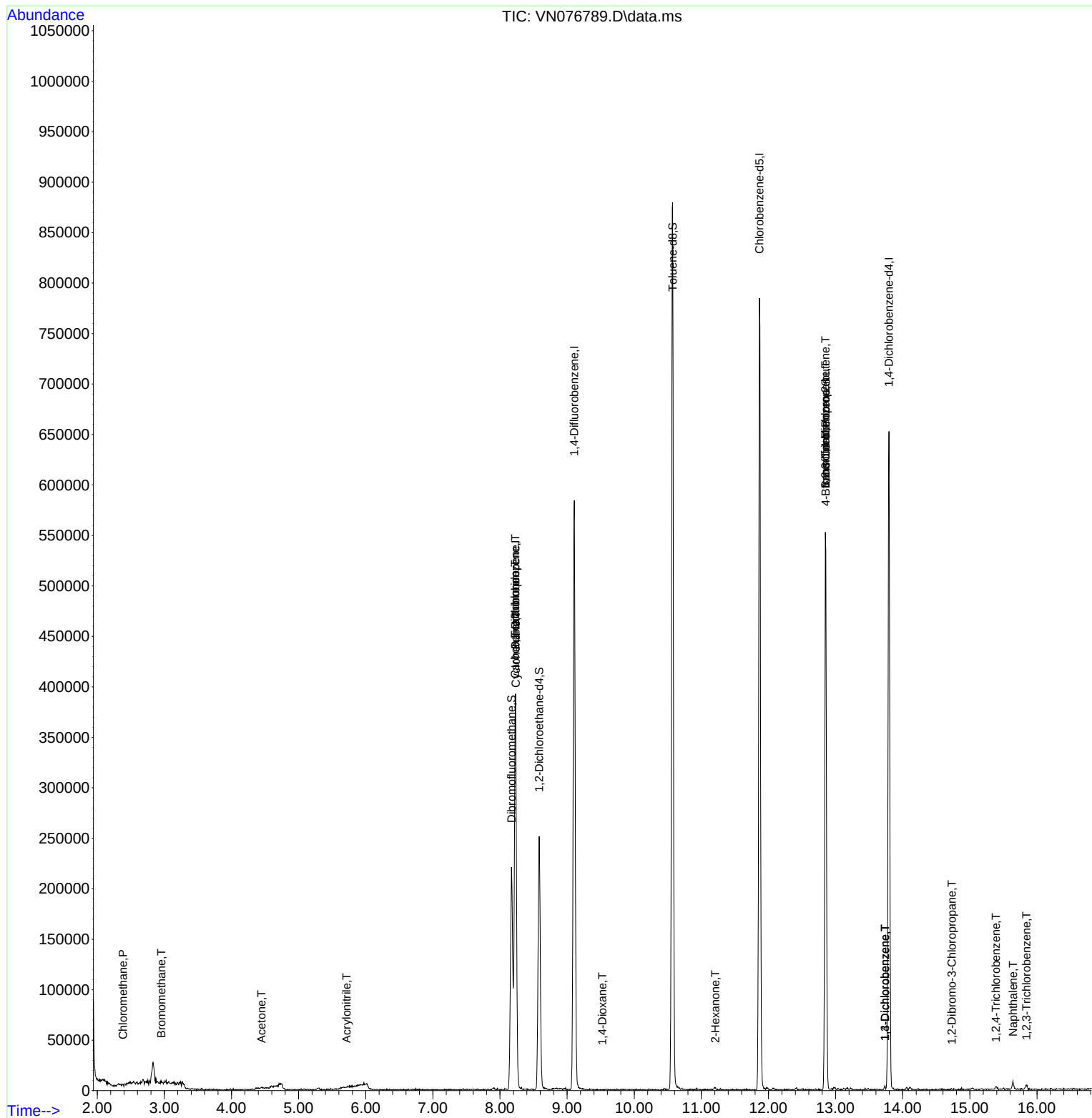
Internal Standards							
1) Pentafluorobenzene	8.230	168		274063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114		489998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117		436149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152		163394	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65		196358	51.886	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.780%	
35) Dibromofluoromethane	8.172	113		152938	47.660	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.320%	
50) Toluene-d8	10.571	98		591699	49.375	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.740%	
62) 4-Bromofluorobenzene	12.854	95		173449	43.700	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.400%	
Target Compounds							
							Qvalue
3) Chloromethane	2.384	50		1098	0.289	ug/l #	44
5) Bromomethane	2.954	94		632	0.279	ug/l #	45
15) Acrylonitrile	5.713	53		472	0.266	ug/l #	40
16) Acetone	4.448	43		1240	0.734	ug/l #	75
31) Cyclohexane	8.236	56		7368	1.241	ug/l #	33
36) 1,1-Dichloropropene	8.230	75		27136	5.853	ug/l #	48
38) Carbon Tetrachloride	8.225	117		26344	5.633	ug/l #	18
49) 1,4-Dioxane	9.524	88		62	0.952	ug/l #	23
59) 2-Hexanone	11.207	43		2042	0.561	ug/l	79
71) Bromoform	12.848	173		2739	1.112	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75		100249	30.348	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75		100249	88.389	ug/l #	4
87) 1,3-Dichlorobenzene	13.736	146		1207	0.214	ug/l	84
88) 1,4-Dichlorobenzene	13.736	146		1207	0.215	ug/l	84
92) 1,2-Dibromo-3-Chloropr...	14.730	75		266	0.317	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.389	180		1423	0.493	ug/l	83
95) Naphthalene	15.642	128		6818	0.778	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.842	180		1571	0.561	ug/l	96

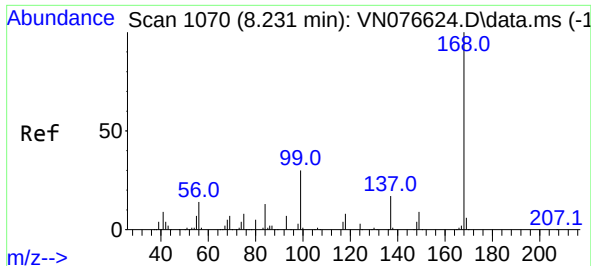
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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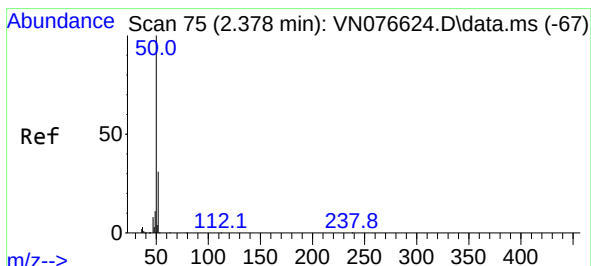
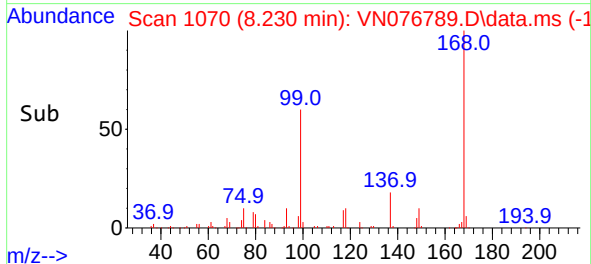
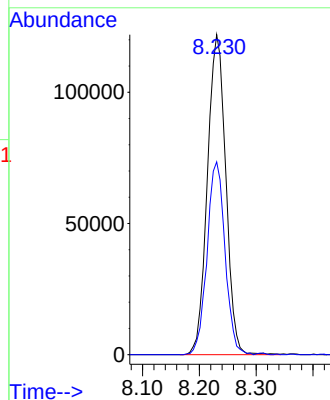
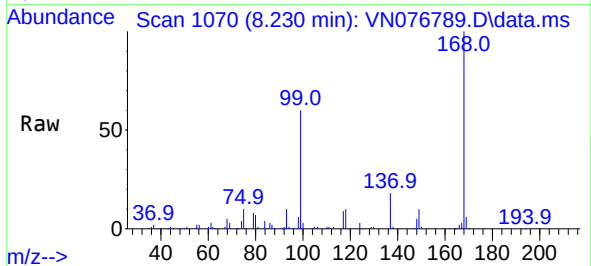




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

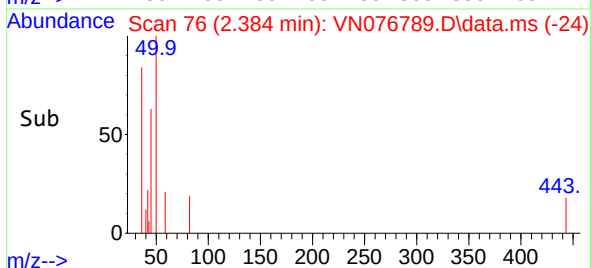
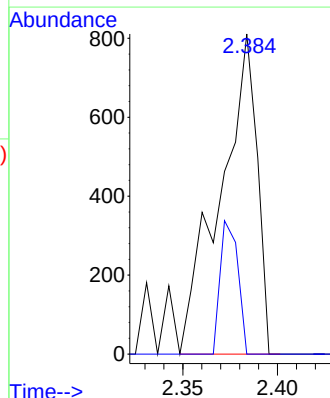
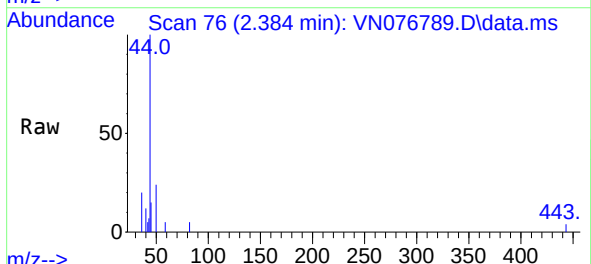
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MSVOA_N
ClientSampleId :
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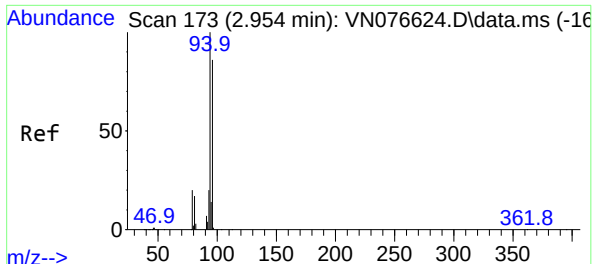
Tgt Ion:168 Resp: 274063
Ion Ratio Lower Upper
168 100
99 60.3 44.8 67.2



#3
Chloromethane
Concen: 0.289 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion: 50 Resp: 1098
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

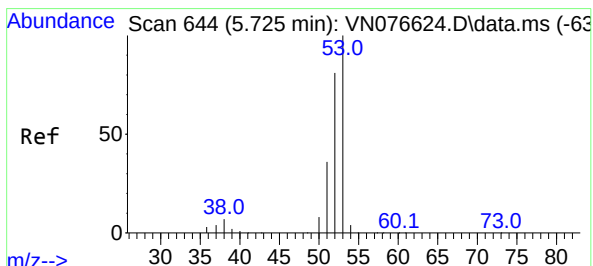
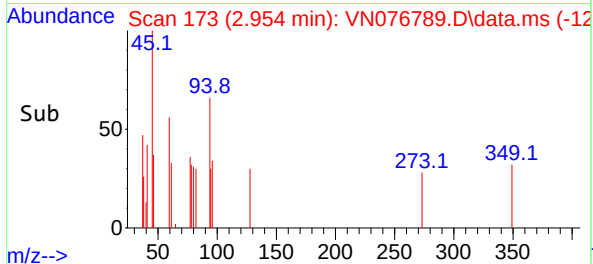
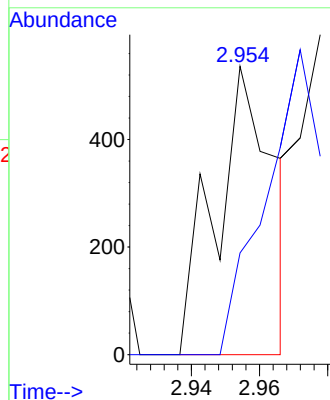
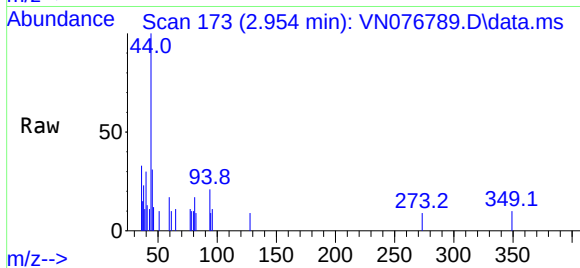




#5
Bromomethane
Concen: 0.279 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

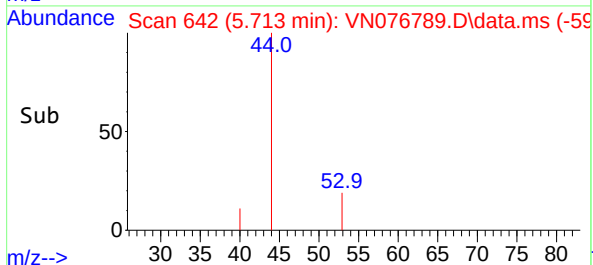
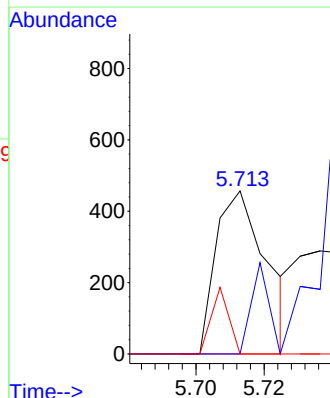
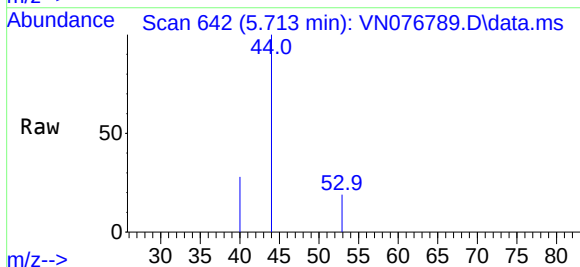
Instrument :
MSVOA_N
ClientSampleId :
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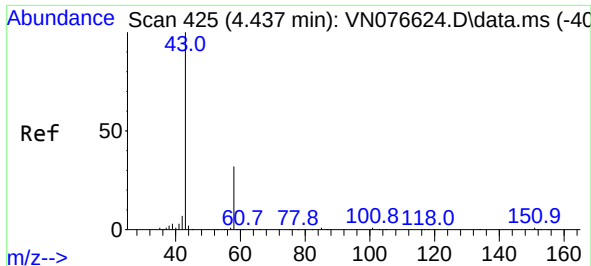
Tgt Ion: 94 Resp: 632
Ion Ratio Lower Upper
94 100
96 35.3 69.0 103.4#



#15
Acrylonitrile
Concen: 0.266 ug/l
RT: 5.713 min Scan# 642
Delta R.T. -0.012 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion: 53 Resp: 472
Ion Ratio Lower Upper
53 100
52 19.1 65.3 97.9#
51 14.0 29.2 43.8#

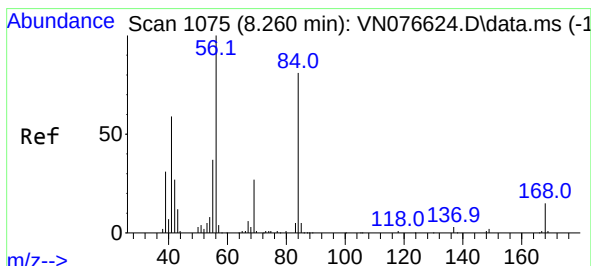
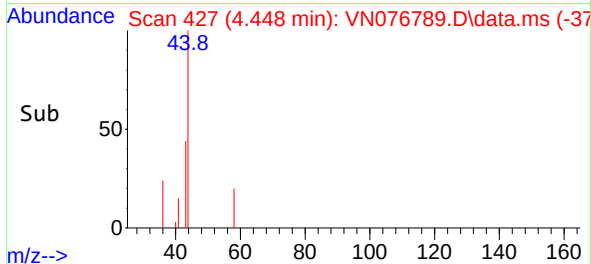
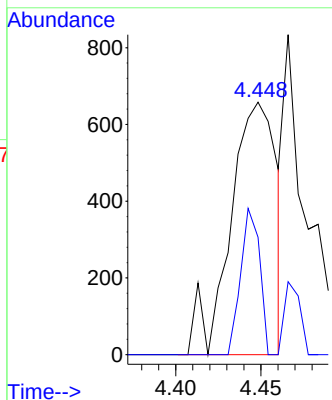
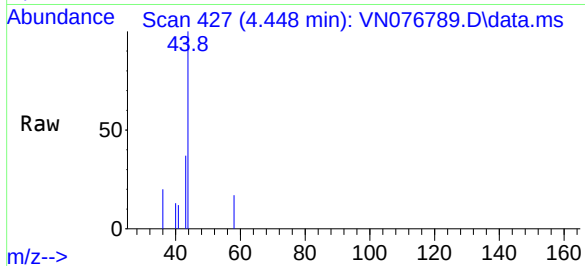




#16
Acetone
Concen: 0.734 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

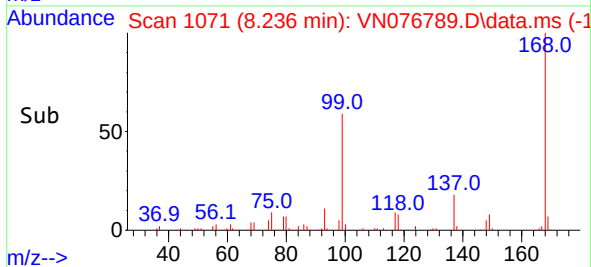
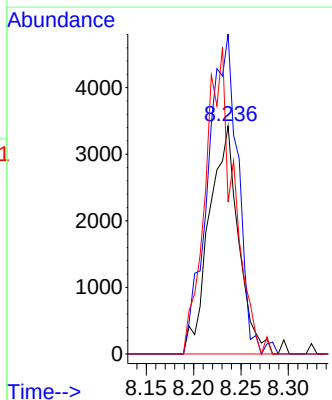
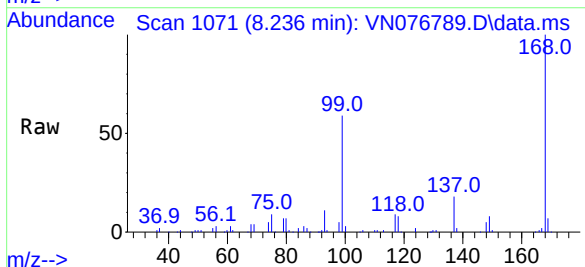
Instrument :
MSVOA_N
ClientSampleId :
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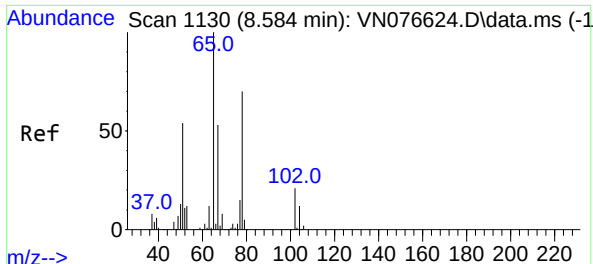
Tgt Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
58 46.5 25.9 38.9#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion: 56 Resp: 7368
Ion Ratio Lower Upper
56 100
69 140.4 21.6 32.4#
84 66.7 65.1 97.7

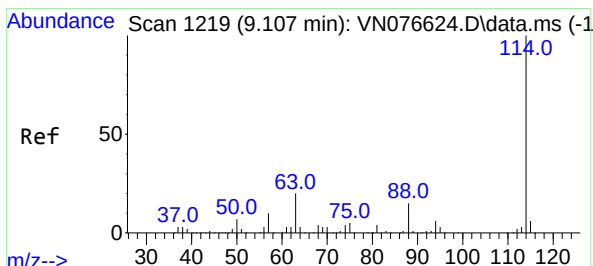
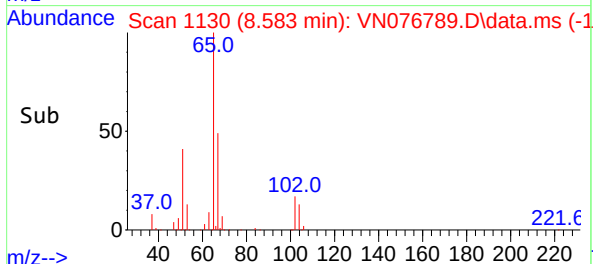
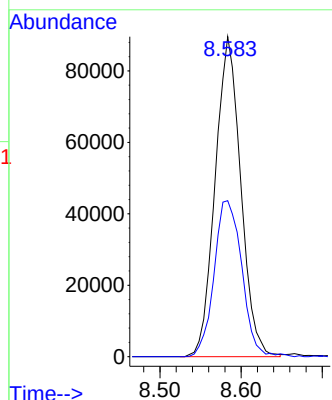
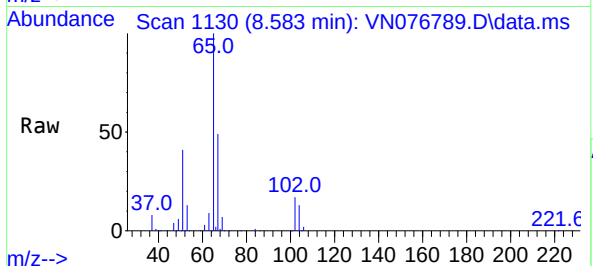




#33
1,2-Dichloroethane-d4
Concen: 51.886 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

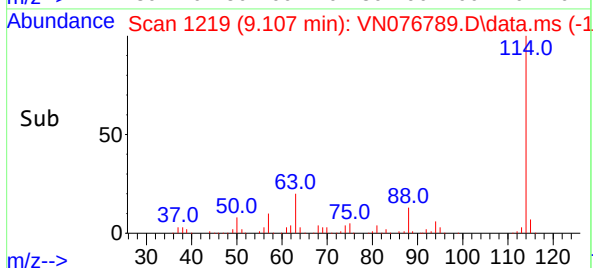
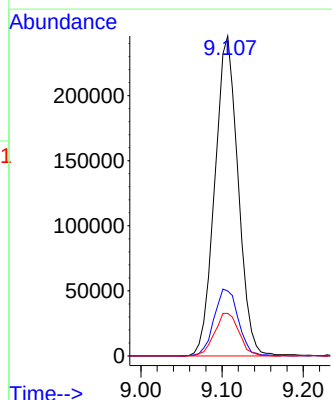
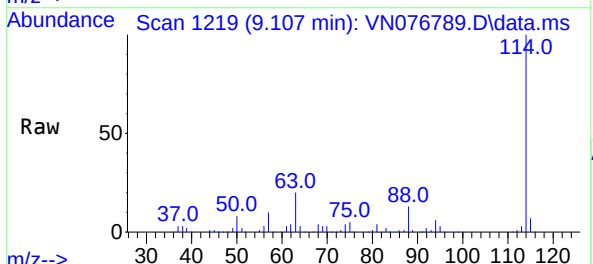
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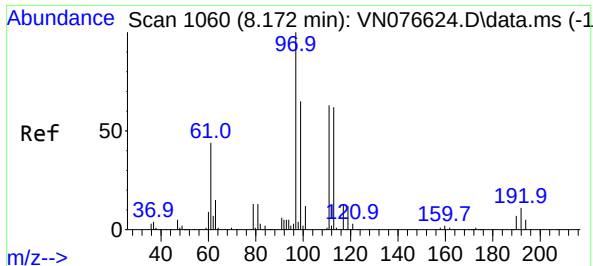
Tgt Ion: 65 Resp: 196358
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion: 114 Resp: 489998
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.0
88 13.3 0.0 29.6

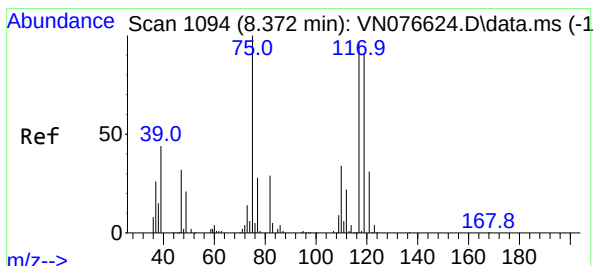
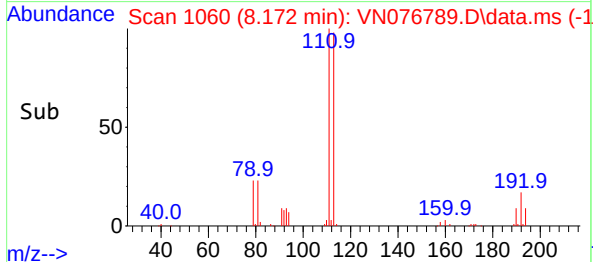
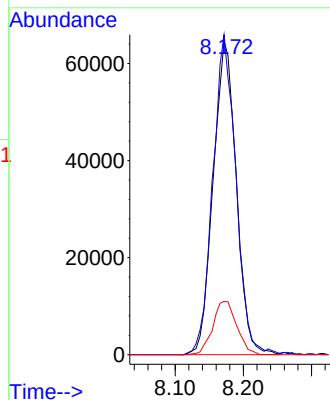
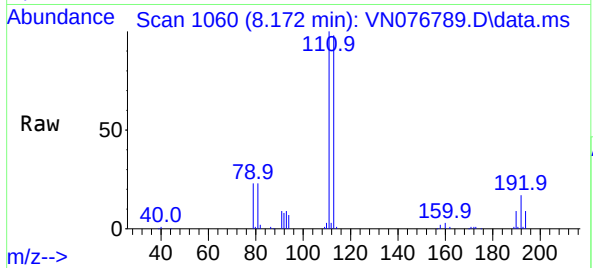




#35
Dibromofluoromethane
Concen: 47.660 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

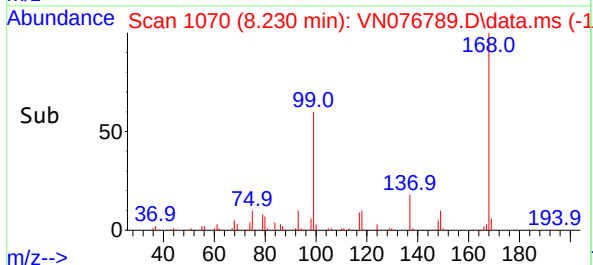
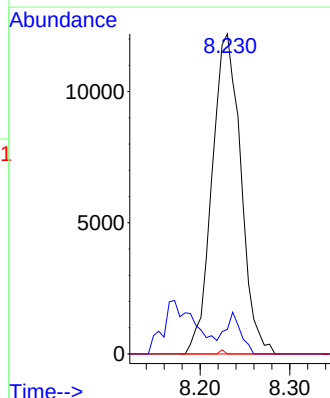
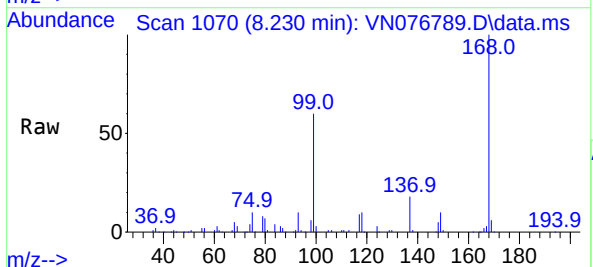
Instrument :
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ClientSampleId :
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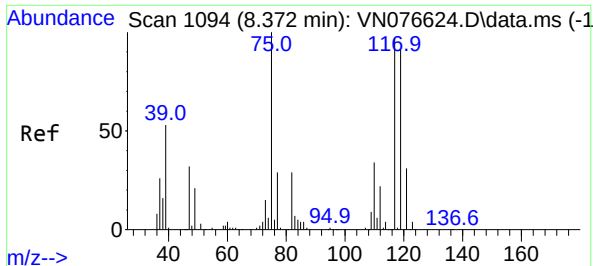
Tgt Ion:113 Resp: 152938
Ion Ratio Lower Upper
113 100
111 101.4 83.1 124.7
192 17.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.853 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

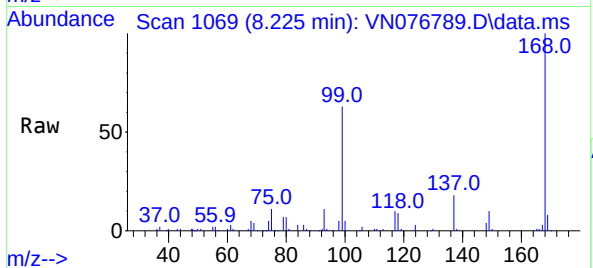
Tgt Ion: 75 Resp: 27136
Ion Ratio Lower Upper
75 100
110 7.0 17.5 52.5#
77 0.2 24.5 36.7#



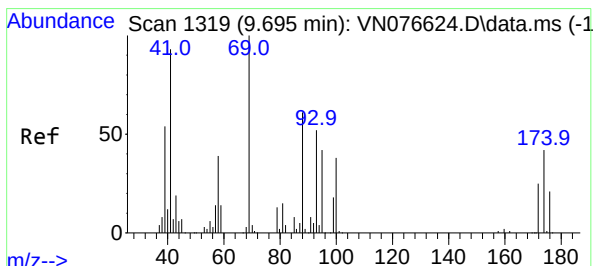
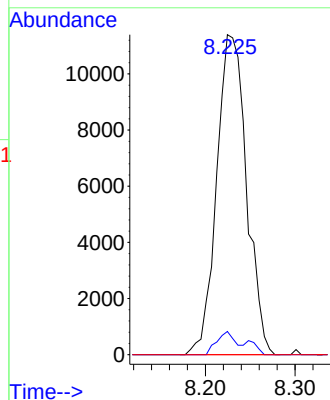
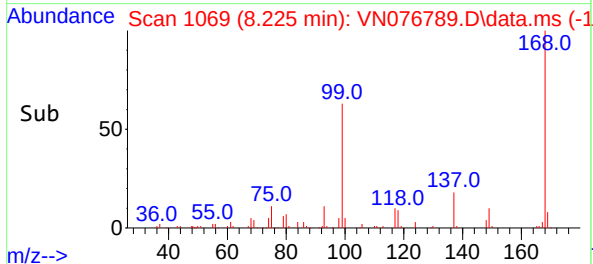


#38
Carbon Tetrachloride
Concen: 5.633 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

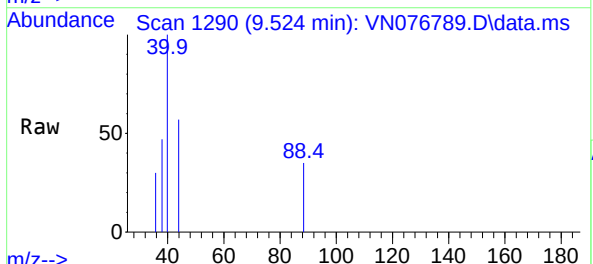
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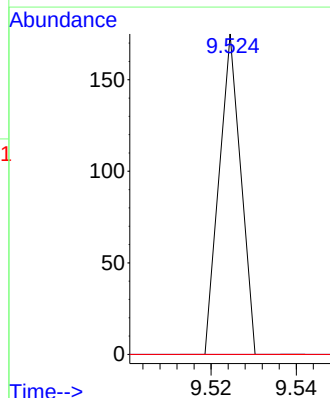
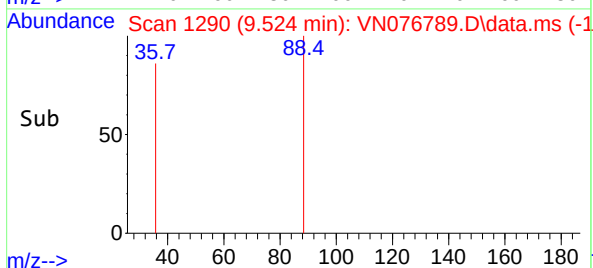
Tgt Ion:117 Resp: 26344
Ion Ratio Lower Upper
117 100
119 7.3 75.4 113.0#
121 0.0 26.0 39.0#

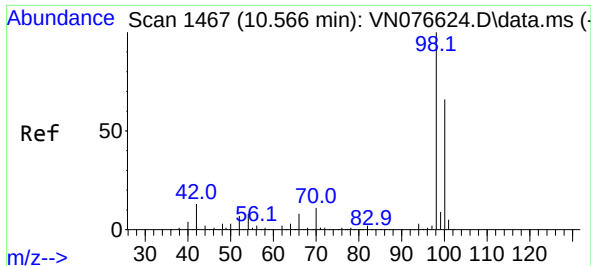


#49
1,4-Dioxane
Concen: 0.952 ug/l
RT: 9.524 min Scan# 1290
Delta R.T. -0.171 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22



Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 22.6 33.8#
58 0.0 57.6 86.4#

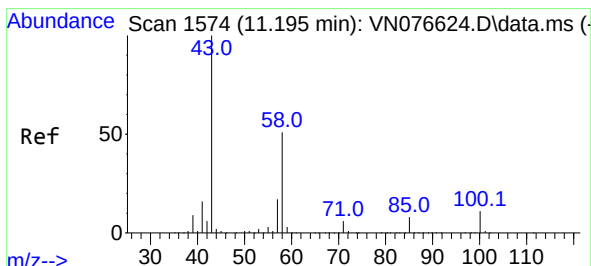
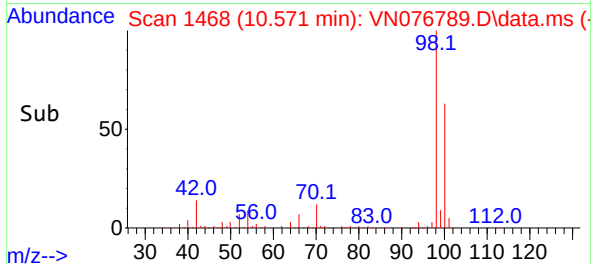
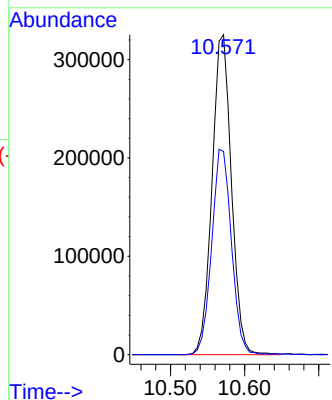
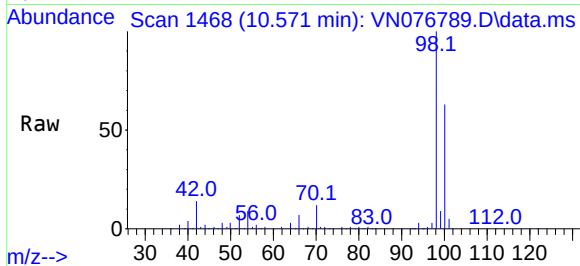




#50
Toluene-d8
Concen: 49.375 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

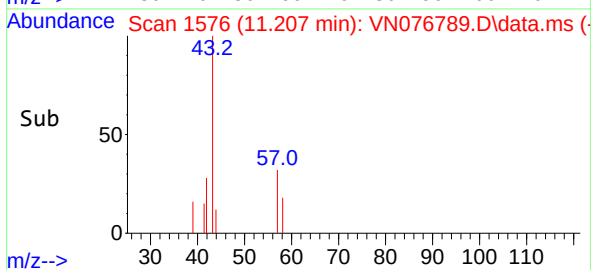
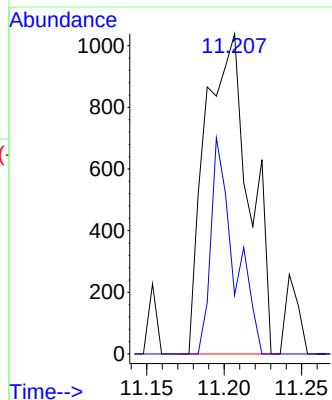
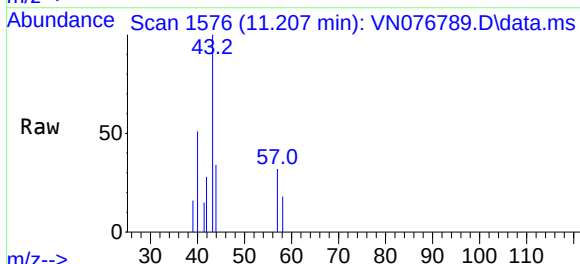
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MSVOA_N
ClientSampleId :
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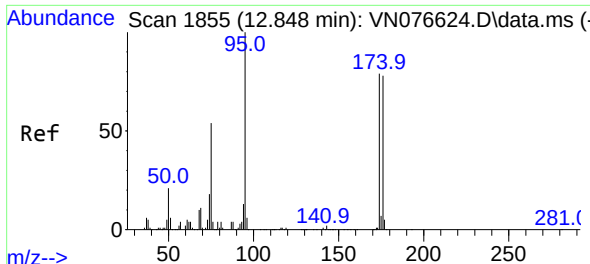
Tgt Ion: 98 Resp: 591699
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



#59
2-Hexanone
Concen: 0.561 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
58 35.8 25.4 76.0

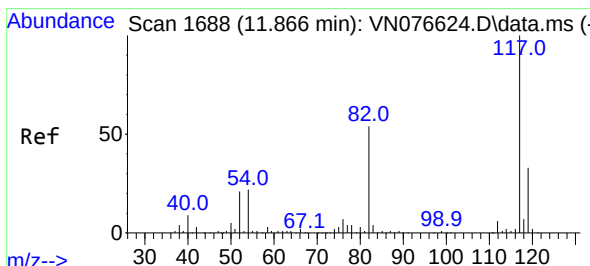
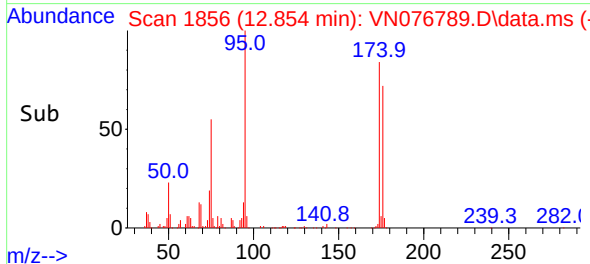
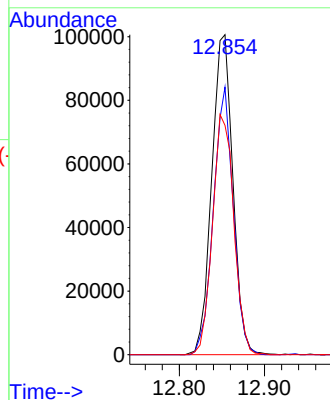
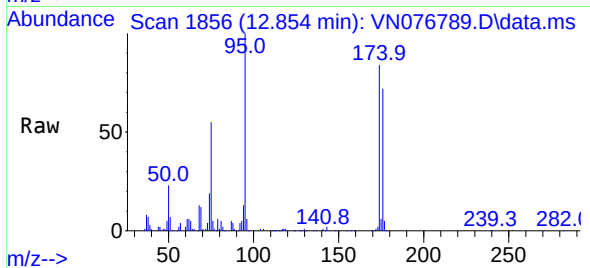




#62
4-Bromofluorobenzene
Concen: 43.700 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

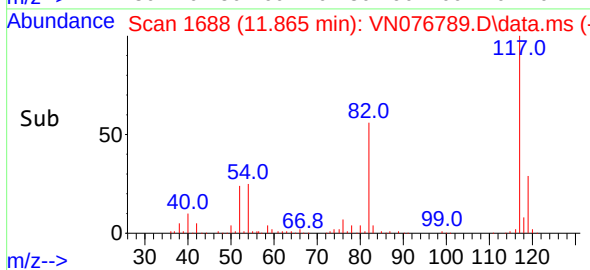
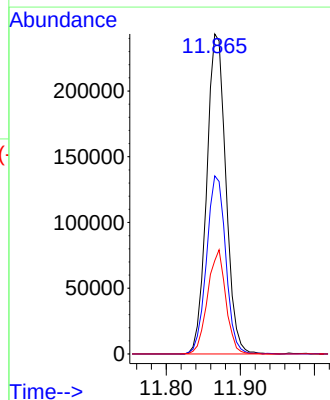
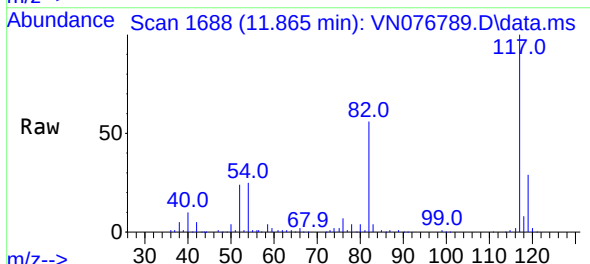
Instrument :
MSVOA_N
ClientSampleId :
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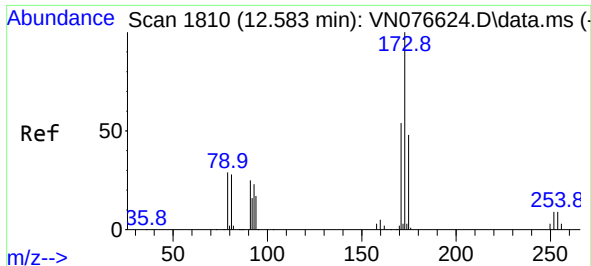
Tgt Ion: 95 Resp: 173449
Ion Ratio Lower Upper
95 100
174 78.8 0.0 169.2
176 75.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion: 117 Resp: 436149
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.2
119 29.2 26.1 39.1

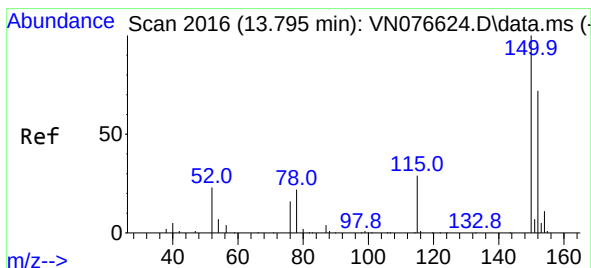
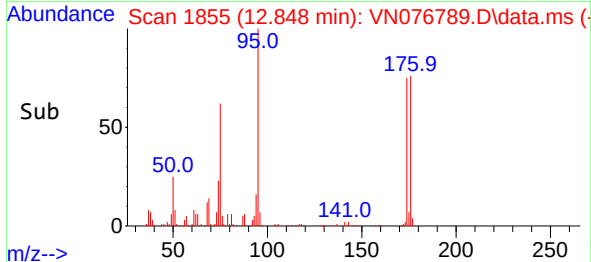
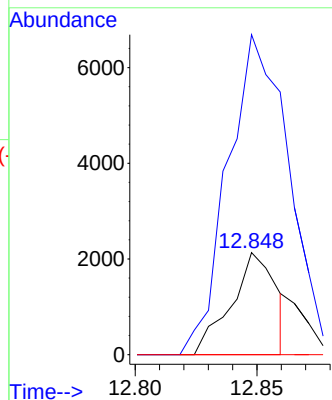
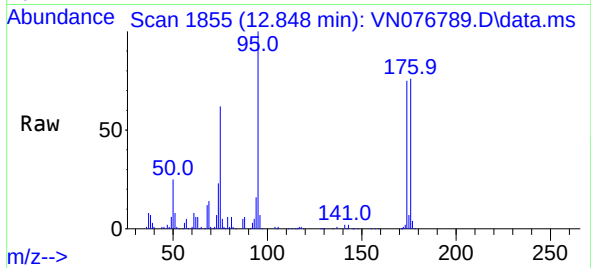




#71
Bromoform
Concen: 1.112 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

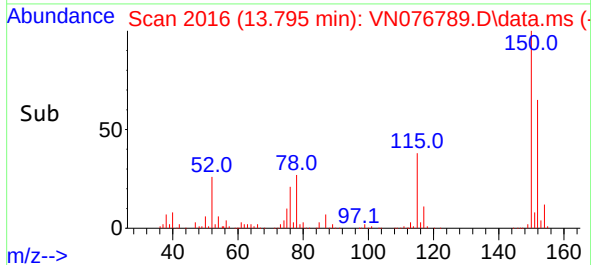
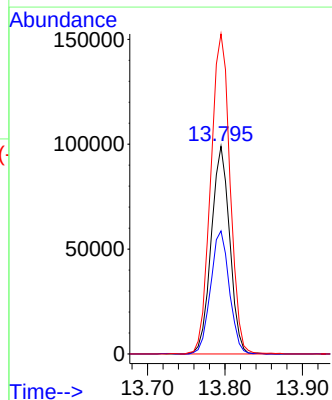
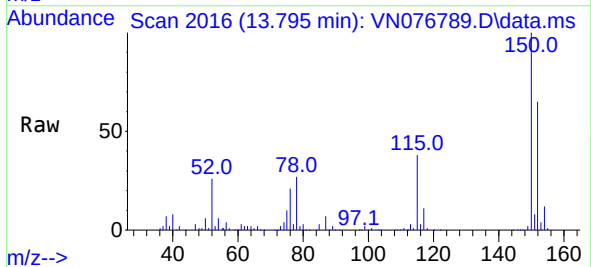
Instrument :
MSVOA_N
ClientSampleId :
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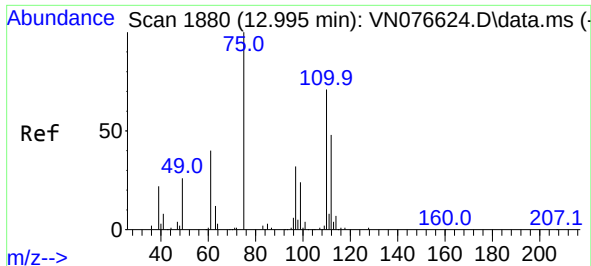
Tgt Ion:173 Resp: 2739
Ion Ratio Lower Upper
173 100
175 358.5 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion:152 Resp: 163394
Ion Ratio Lower Upper
152 100
115 60.2 29.3 87.9
150 161.7 0.0 349.8

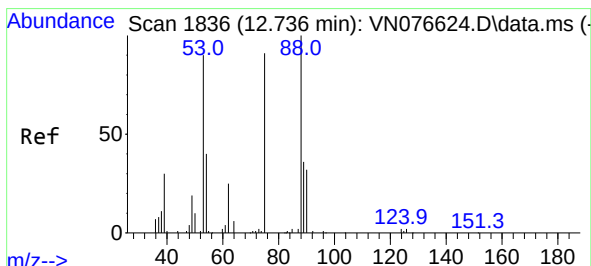
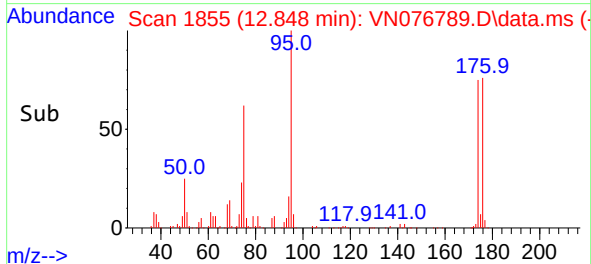
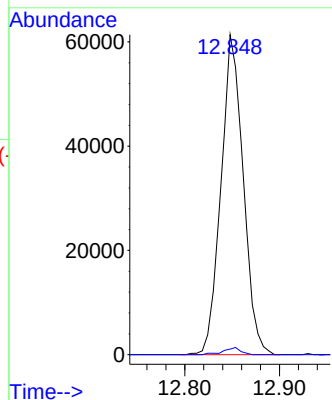
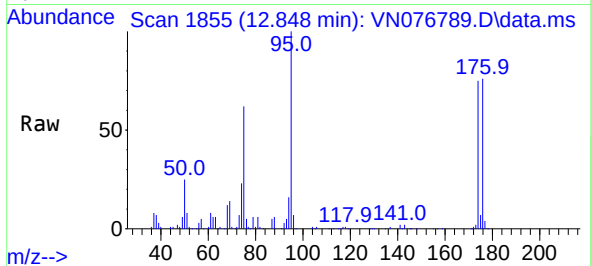




#76
1,2,3-Trichloropropane
Concen: 30.348 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

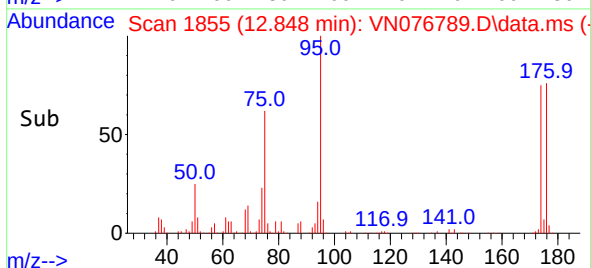
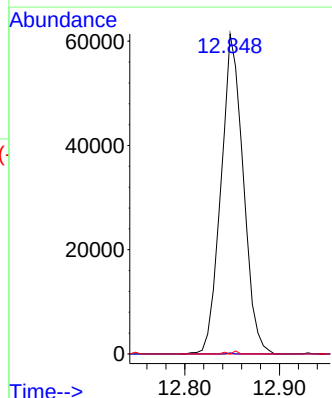
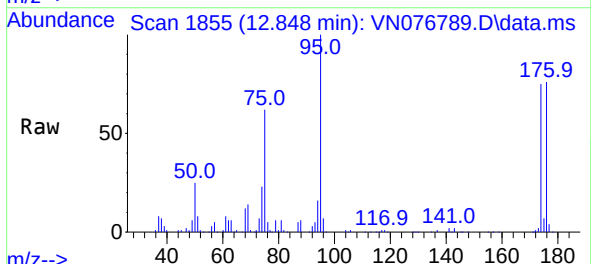
Instrument :
MSVOA_N
ClientSampleId :
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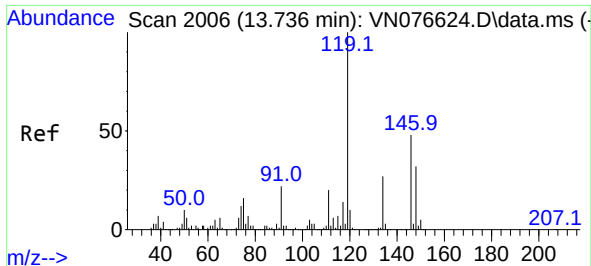
Tgt Ion: 75 Resp: 100249
Ion Ratio Lower Upper
75 100
77 1.8 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.389 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion: 75 Resp: 100249
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.3 37.5 56.3#





#87

1,3-Dichlorobenzene

Concen: 0.214 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VN076789.D

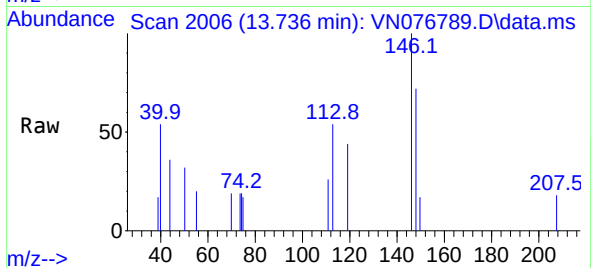
Acq: 23 Feb 2023 13:22

Instrument :

MSVOA_N

ClientSampleId :

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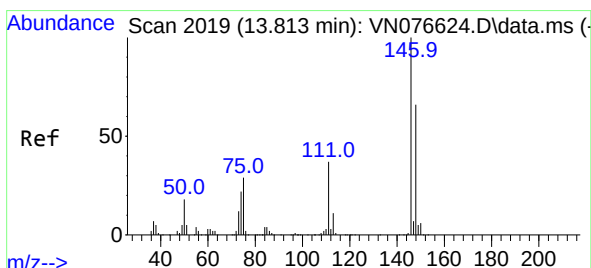
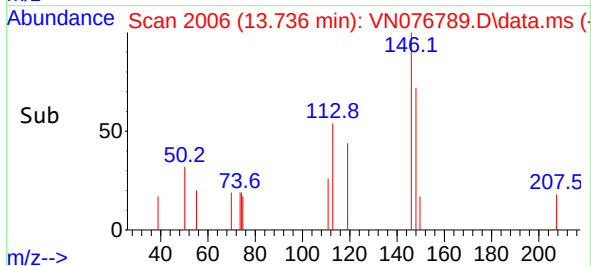
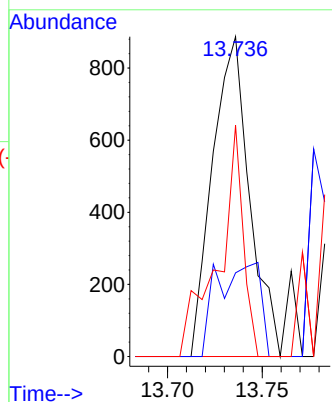
Tgt Ion:146 Resp: 1207

Ion Ratio Lower Upper

146 100

111 33.9 19.8 59.4

148 48.5 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.215 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.077 min

Lab File: VN076789.D

Acq: 23 Feb 2023 13:22

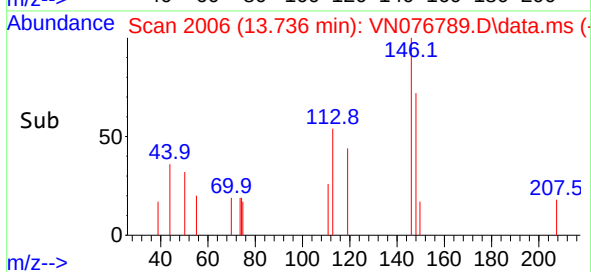
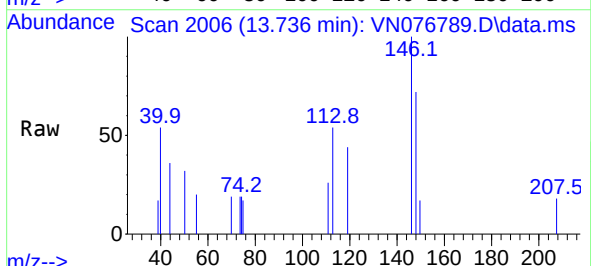
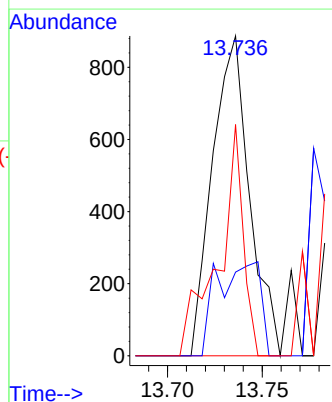
Tgt Ion:146 Resp: 1207

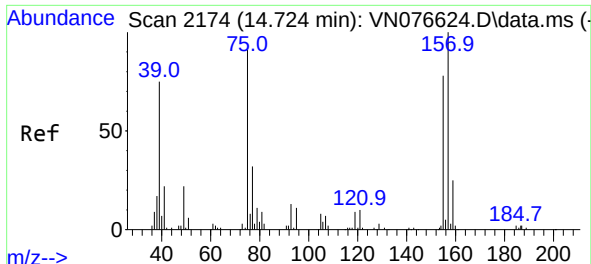
Ion Ratio Lower Upper

146 100

111 33.9 19.4 58.1

148 48.5 32.7 98.1

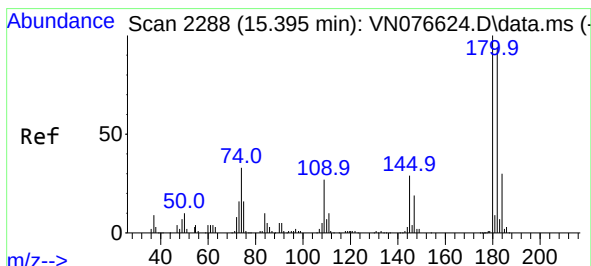
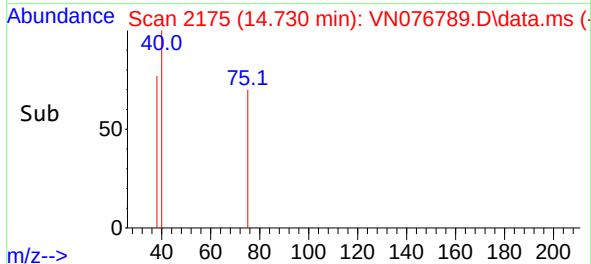
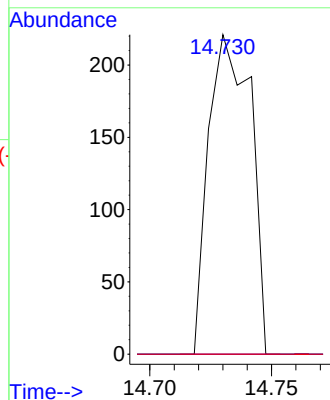
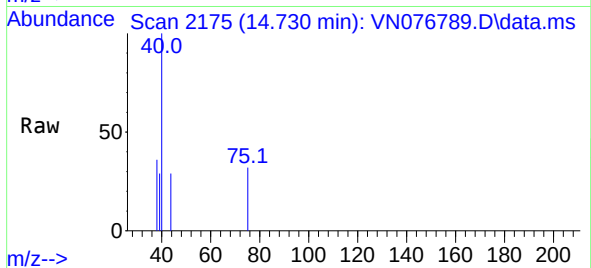




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.317 ug/l
RT: 14.730 min Scan# 2175
Delta R.T. 0.006 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

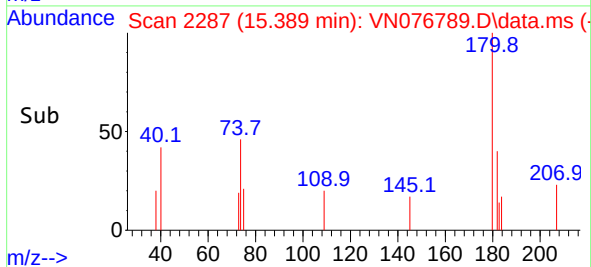
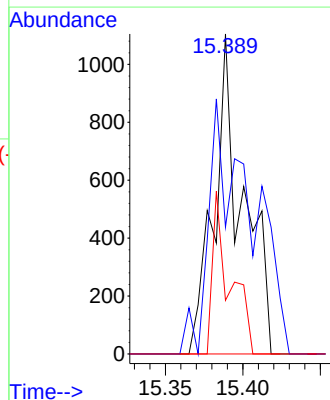
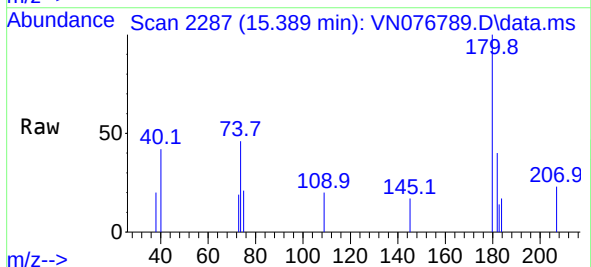
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ClientSampleId :
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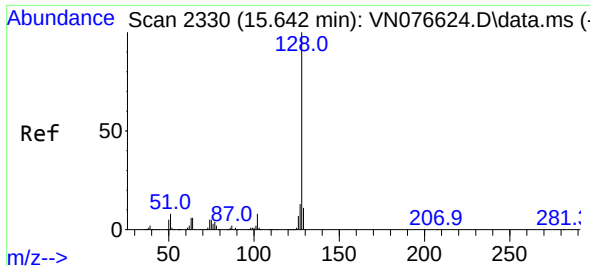
Tgt Ion: 75 Resp: 266
Ion Ratio Lower Upper
75 100
155 0.0 43.4 130.2#
157 0.0 55.2 165.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.493 ug/l
RT: 15.389 min Scan# 2287
Delta R.T. -0.006 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion:180 Resp: 1423
Ion Ratio Lower Upper
180 100
182 117.8 48.0 144.0
145 30.6 15.2 45.6

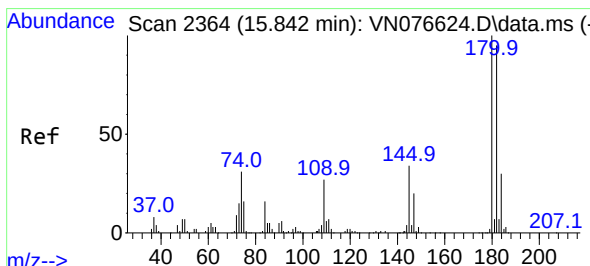
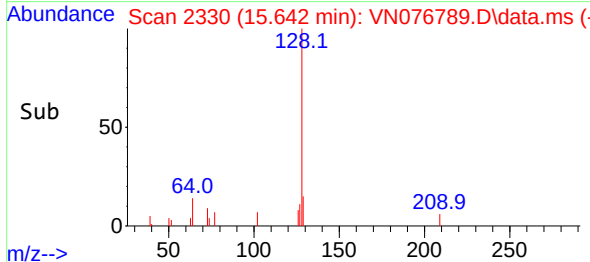
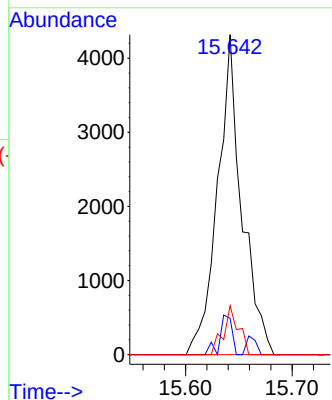
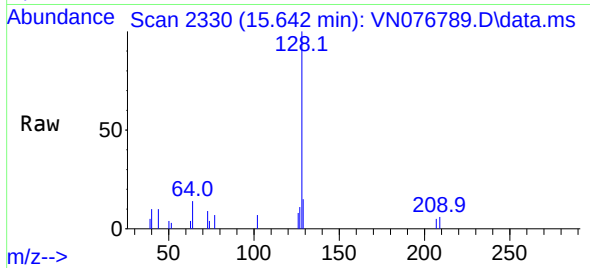




#95
Naphthalene
Concen: 0.778 ug/l
RT: 15.642 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 6818
Ion Ratio Lower Upper
128 100
127 6.2 10.6 16.0#
129 9.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.561 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN076789.D
Acq: 23 Feb 2023 13:22

Tgt Ion:180 Resp: 1571
Ion Ratio Lower Upper
180 100
182 98.0 46.7 140.1
145 30.6 16.0 47.9

