

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060723\
 Data File : VN078095.D
 Acq On : 07 Jun 2023 11:52
 Operator : JC\MD
 Sample : 03039-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 07 16:40:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

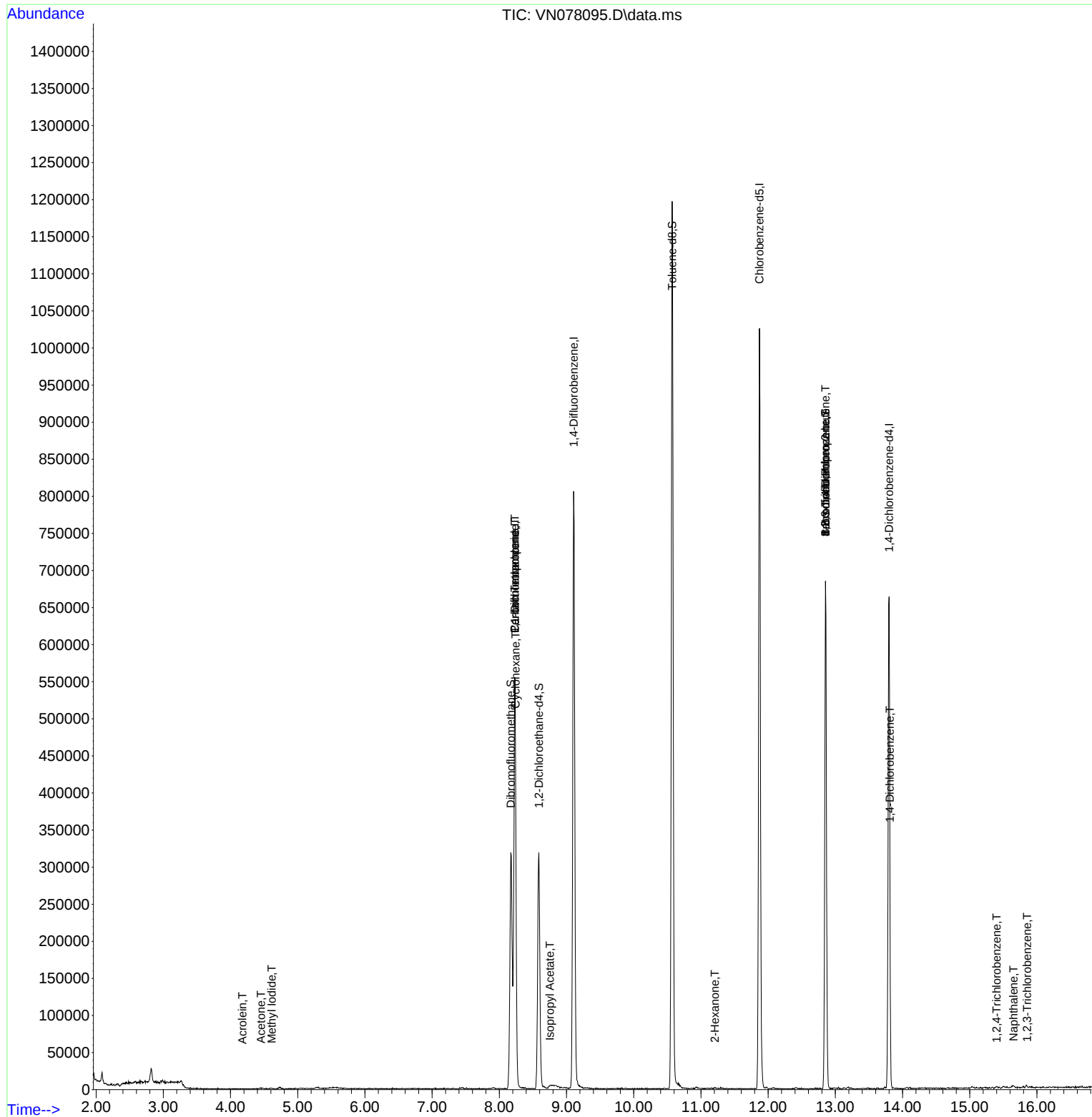
Internal Standards						
1) Pentafluorobenzene	8.230	168	395454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	721580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	617016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	181261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	264616	50.187	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.380%	
35) Dibromofluoromethane	8.171	113	235284	51.570	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.140%	
50) Toluene-d8	10.571	98	873306	49.651	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.300%	
62) 4-Bromofluorobenzene	12.853	95	248430	45.434	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1316	Below Cal	#	43
10) Methyl Iodide	4.612	142	1454	0.245	ug/l #	68
13) Acrolein	4.177	56	263	0.328	ug/l #	16
16) Acetone	4.453	43	1015	0.669	ug/l #	40
31) Cyclohexane	8.241	56	9151	1.353	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	32389	4.949	ug/l #	50
38) Carbon Tetrachloride	8.230	117	43670	6.320	ug/l #	16
43) Isopropyl Acetate	8.753	43	3566	0.365	ug/l #	49
59) 2-Hexanone	11.206	43	815	0.227	ug/l #	35
71) Bromoform	12.853	173	1917	0.611	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.929	83	121	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	130734	30.509	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	130734	93.734	ug/l #	15
88) 1,4-Dichlorobenzene	13.812	146	1332	0.205	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.400	180	611	0.261	ug/l #	51
94) Hexachlorobutadiene	15.512	225	298	Below Cal	#	49
95) Naphthalene	15.653	128	2651	0.336	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.853	180	814	0.311	ug/l	85

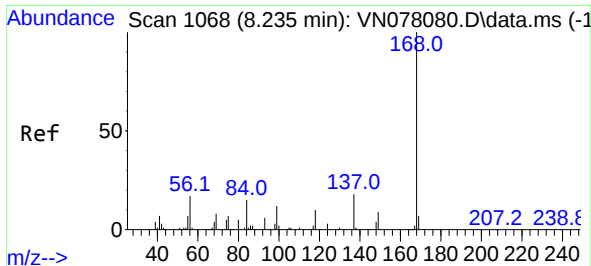
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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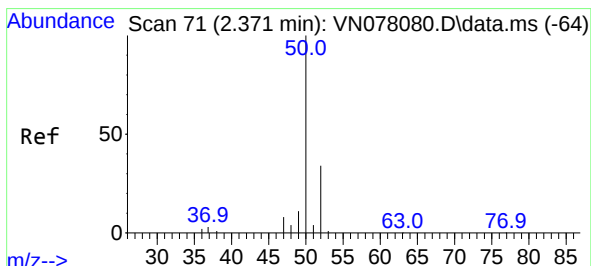
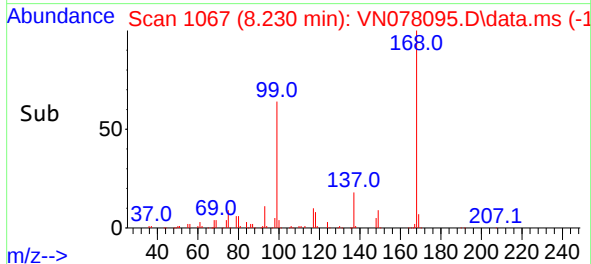
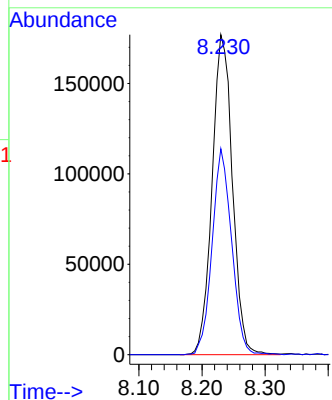
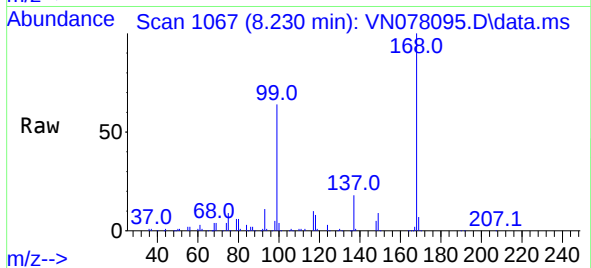




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

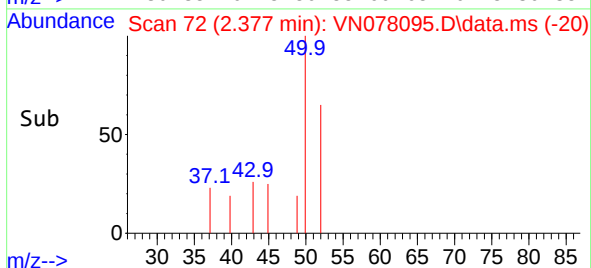
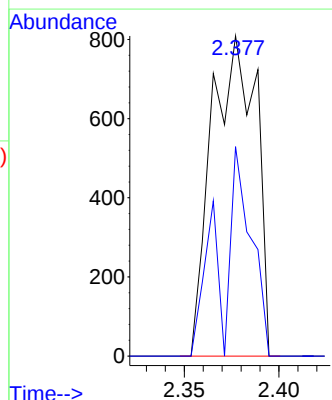
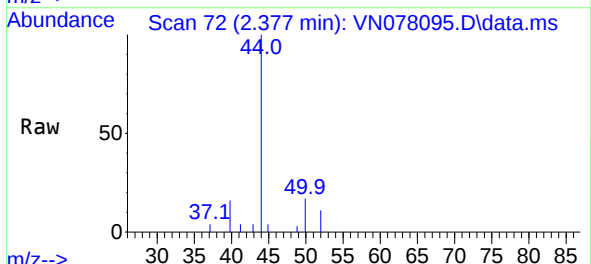
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MSVOA_N
ClientSampleId :
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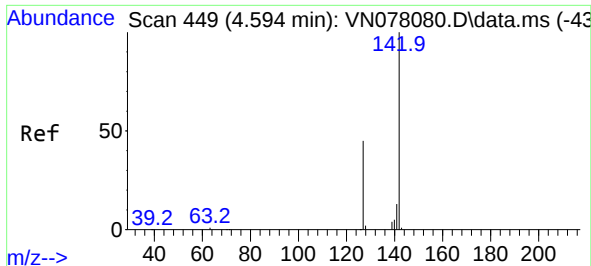
Tgt Ion:168 Resp: 395454
Ion Ratio Lower Upper
168 100
99 64.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 50 Resp: 1316
Ion Ratio Lower Upper
50 100
52 65.4 26.5 39.7#

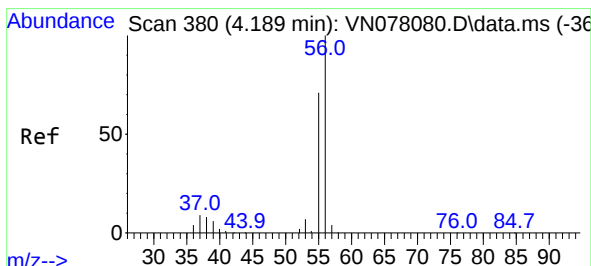
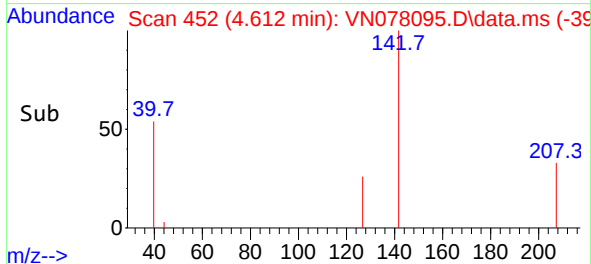
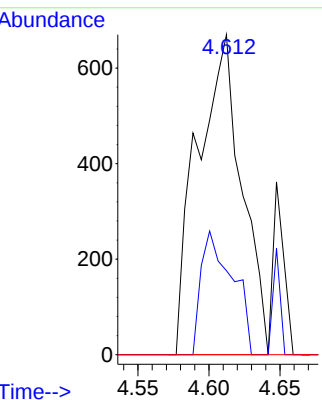
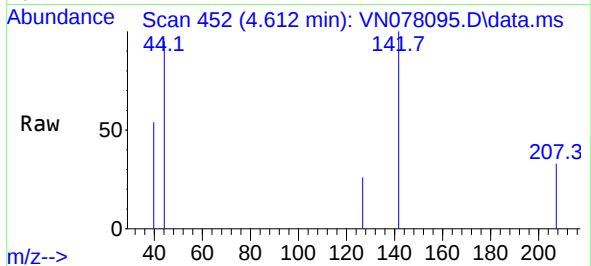




#10
Methyl Iodide
Concen: 0.245 ug/l
RT: 4.612 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

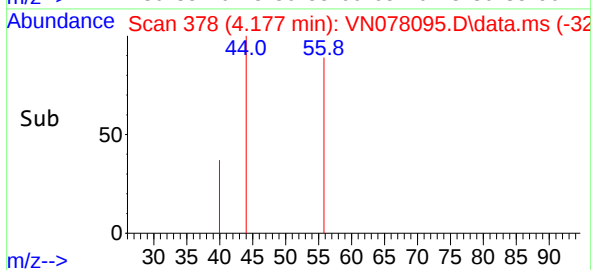
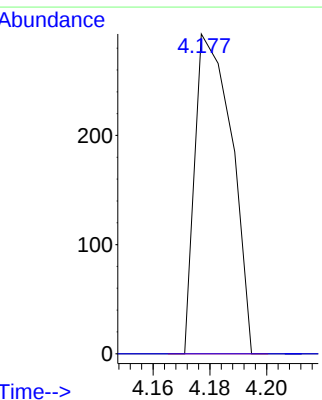
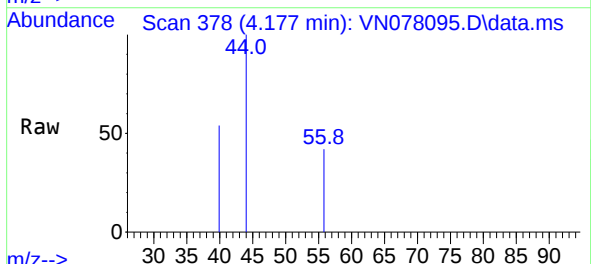
Instrument :
MSVOA_N
ClientSampleId :
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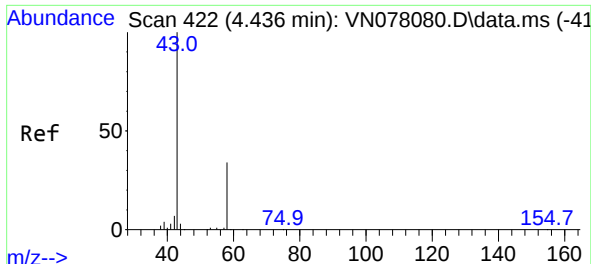
Tgt Ion:142 Resp: 1454
Ion Ratio Lower Upper
142 100
127 26.3 37.6 56.4#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.328 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.012 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

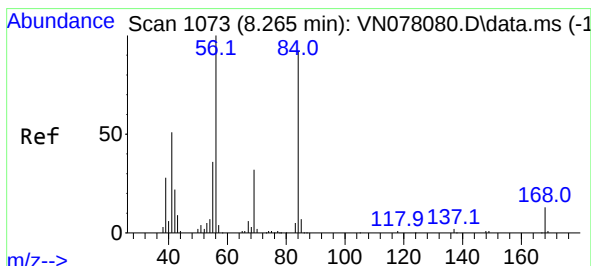
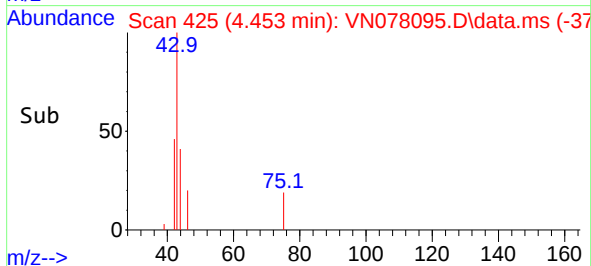
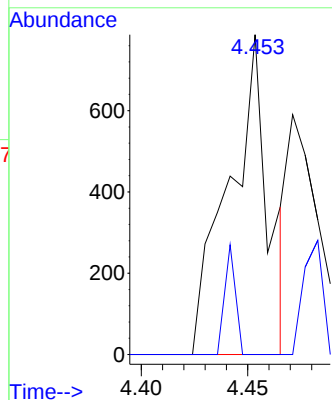
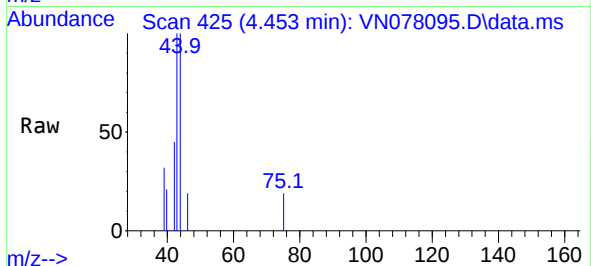




#16
Acetone
Concen: 0.669 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

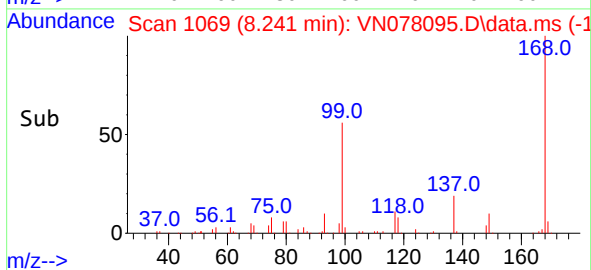
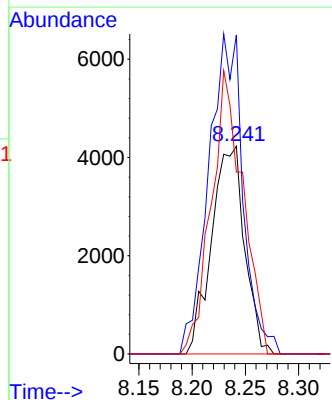
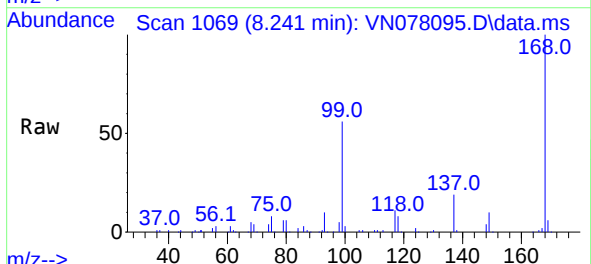
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ClientSampleId :
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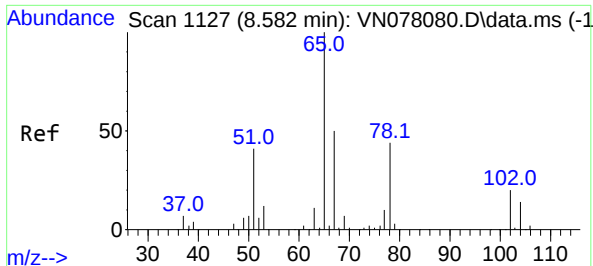
Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.353 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.023 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 56 Resp: 9151
Ion Ratio Lower Upper
56 100
69 153.5 26.8 40.2#
84 87.6 81.8 122.6

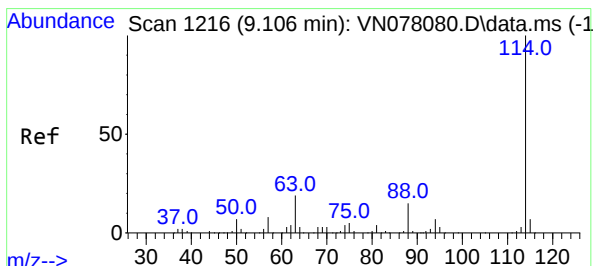
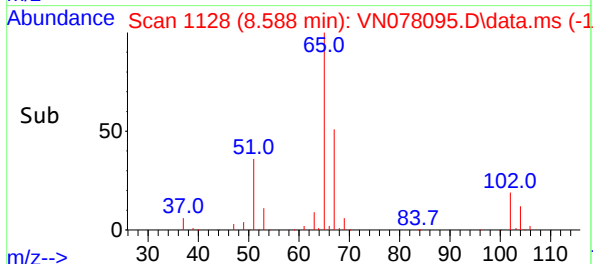
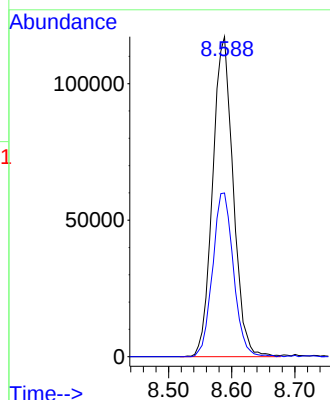
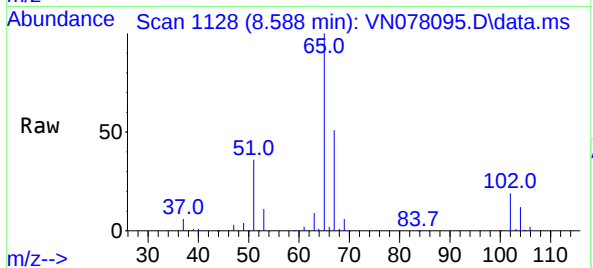




#33
1,2-Dichloroethane-d4
Concen: 50.187 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

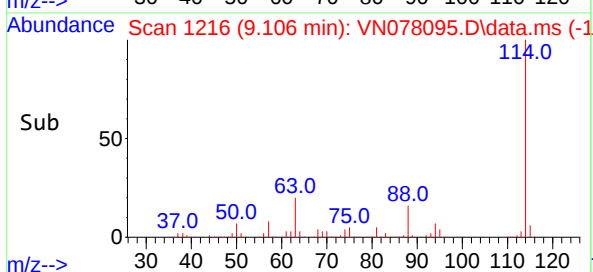
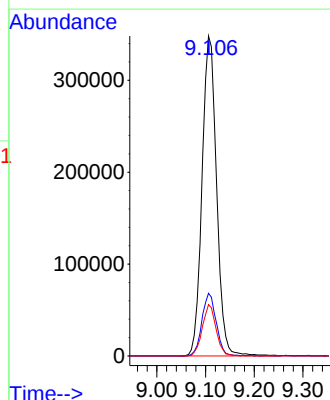
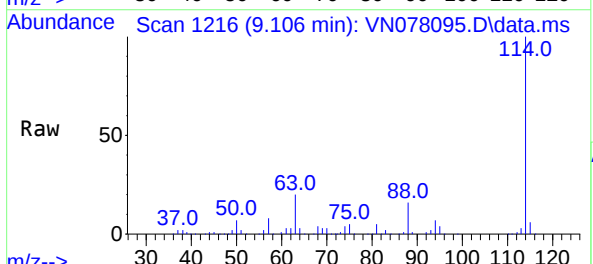
Instrument :
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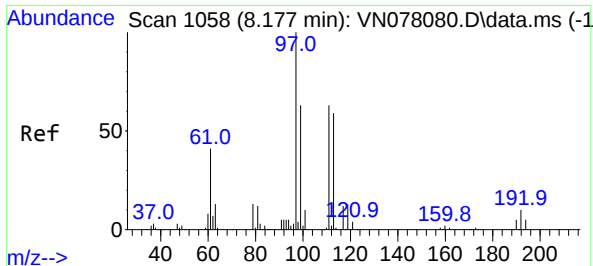
Tgt Ion: 65 Resp: 264616
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 114 Resp: 721580
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 16.0 0.0 30.6

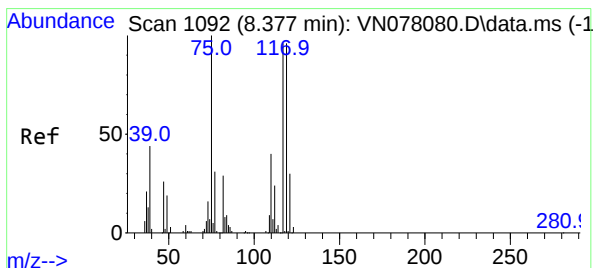
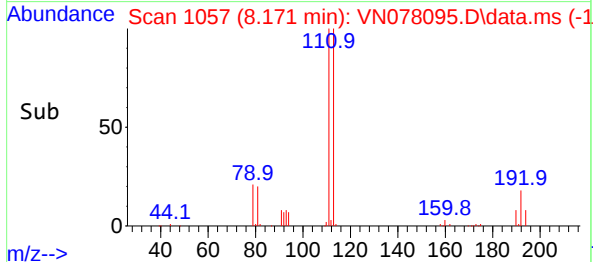
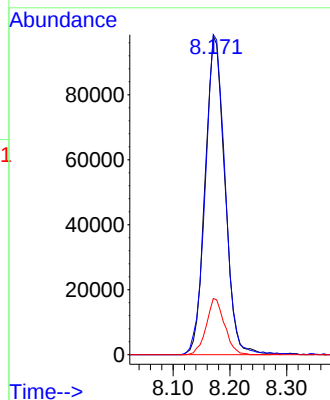
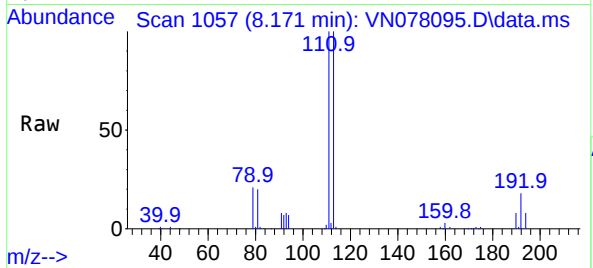




#35
Dibromofluoromethane
Concen: 51.570 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

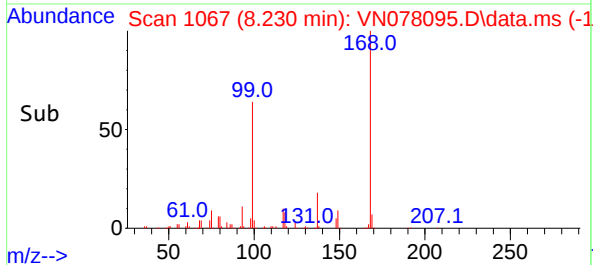
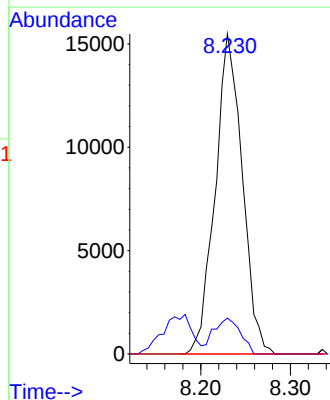
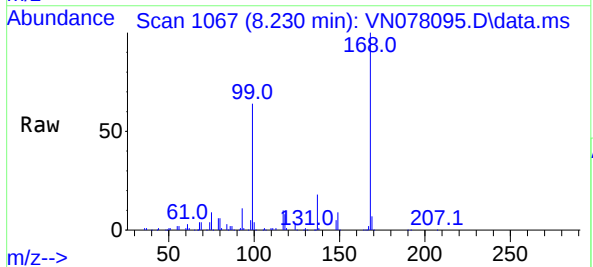
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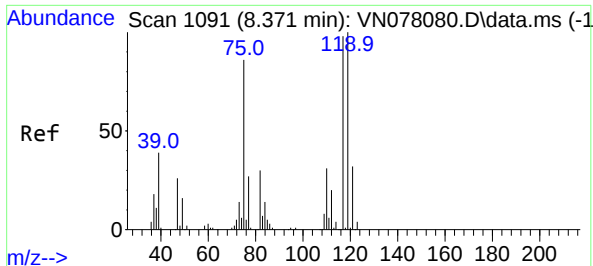
Tgt Ion:113 Resp: 235284
Ion Ratio Lower Upper
113 100
111 100.8 82.6 123.8
192 16.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.949 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 75 Resp: 32389
Ion Ratio Lower Upper
75 100
110 11.1 19.1 57.3#
77 0.0 25.0 37.4#

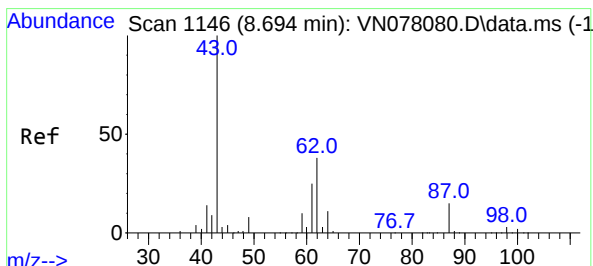
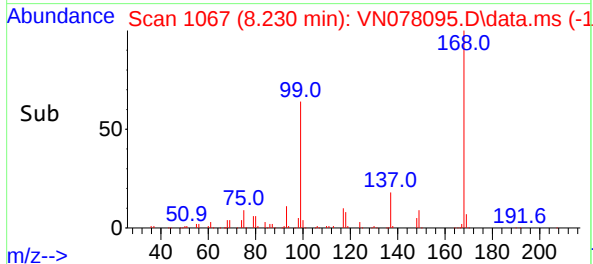
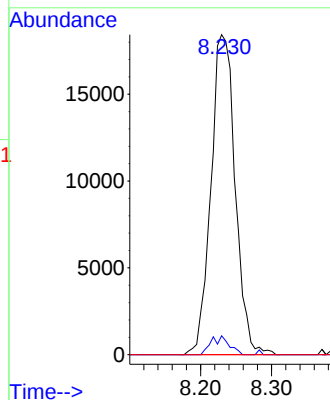
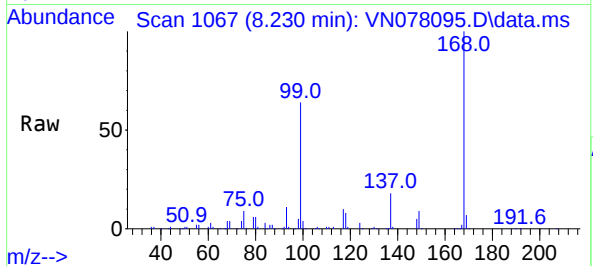




#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

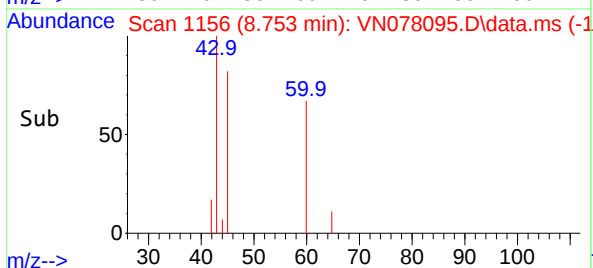
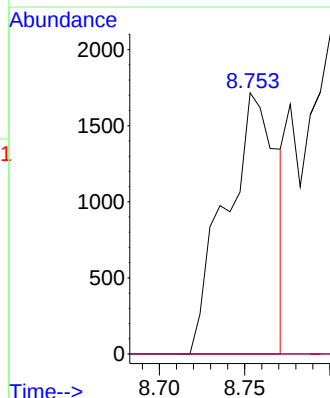
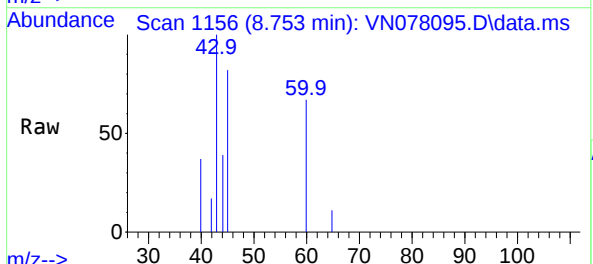
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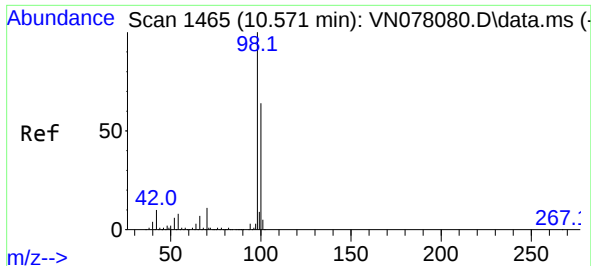
Tgt Ion:117 Resp: 43670
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.365 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 43 Resp: 3566
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

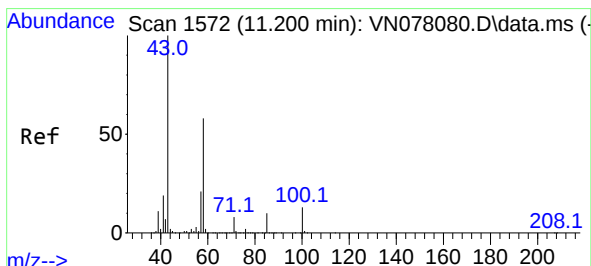
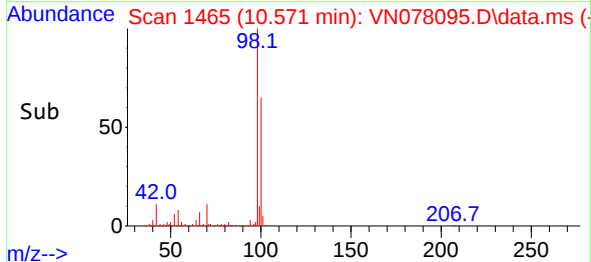
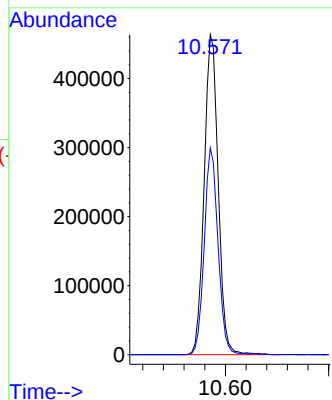
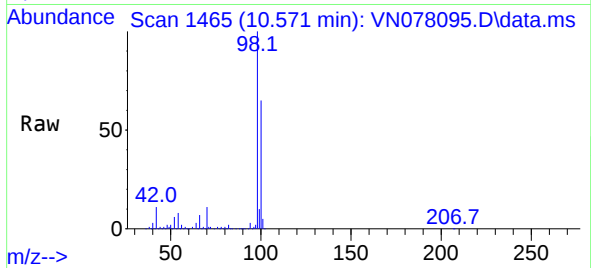




#50
Toluene-d8
Concen: 49.651 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

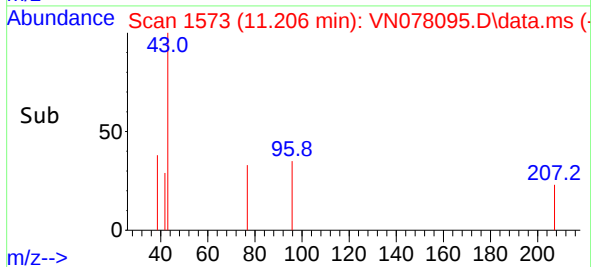
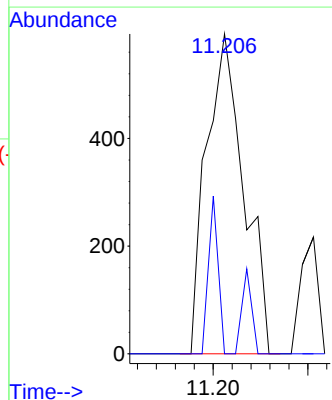
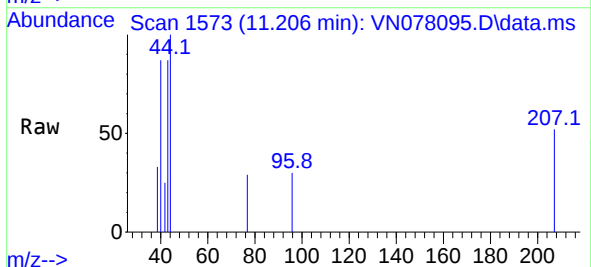
Instrument :
MSVOA_N
ClientSampleId :
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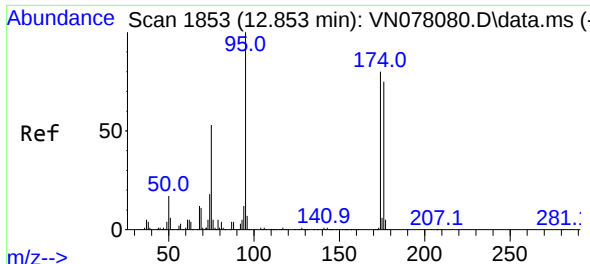
Tgt Ion: 98 Resp: 873306
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



#59
2-Hexanone
Concen: 0.227 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
58 12.6 31.7 95.1#

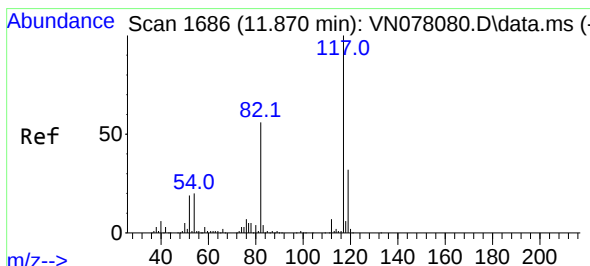
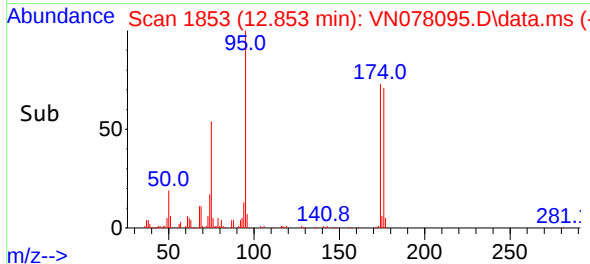
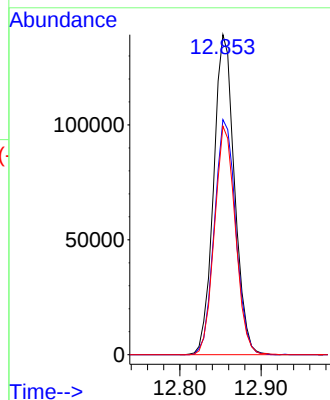
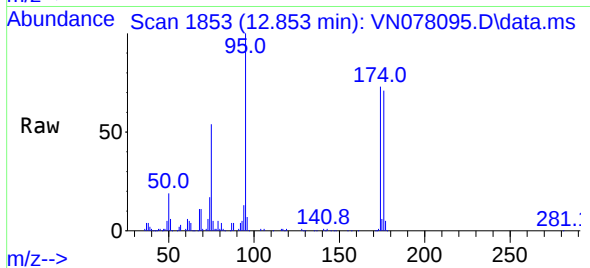




#62
4-Bromofluorobenzene
Concen: 45.434 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

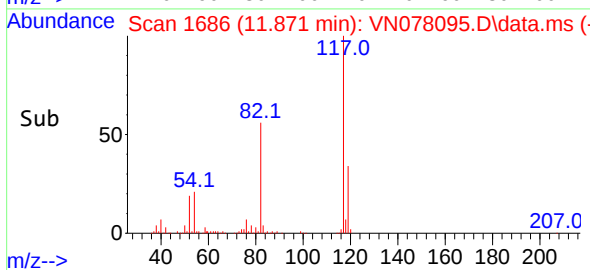
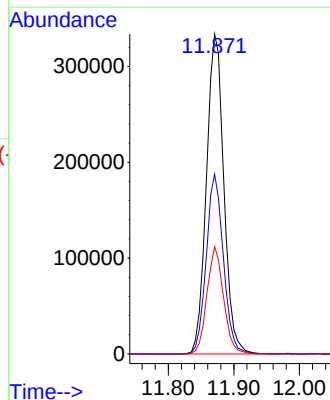
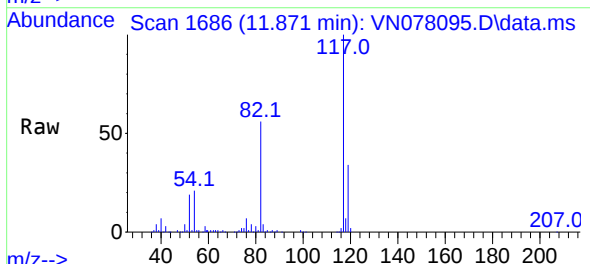
Instrument :
MSVOA_N
ClientSampleId :
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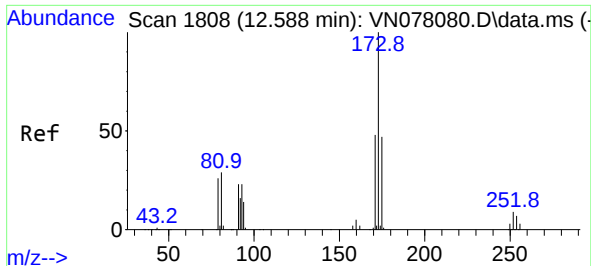
Tgt Ion: 95 Resp: 248430
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 71.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 117 Resp: 617016
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 33.6 25.6 38.4

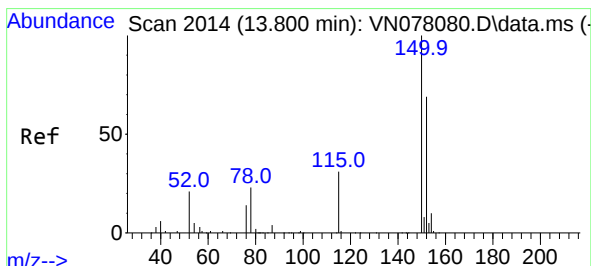
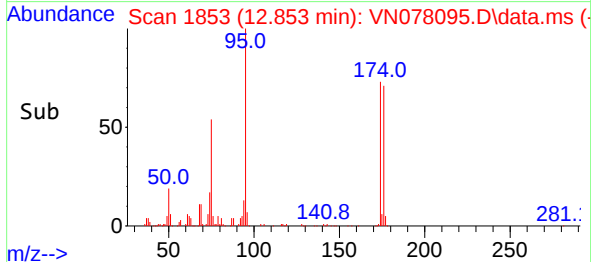
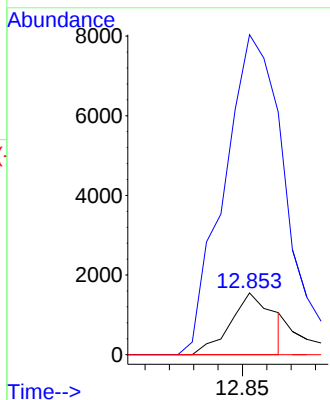
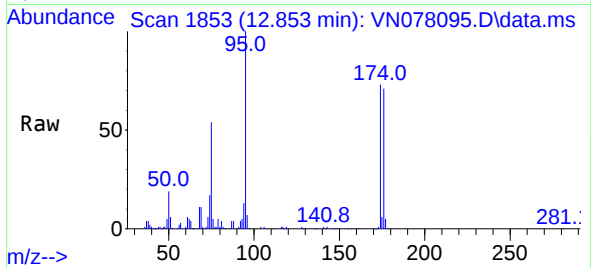




#71
Bromoform
Concen: 0.611 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

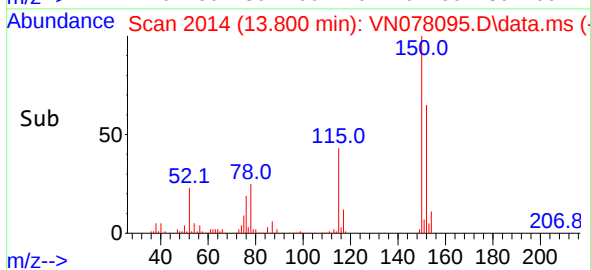
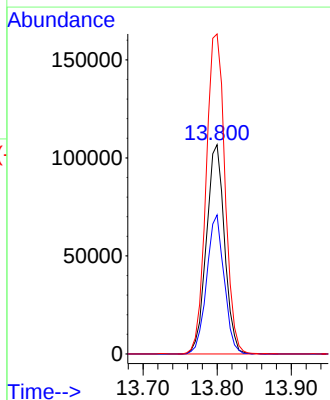
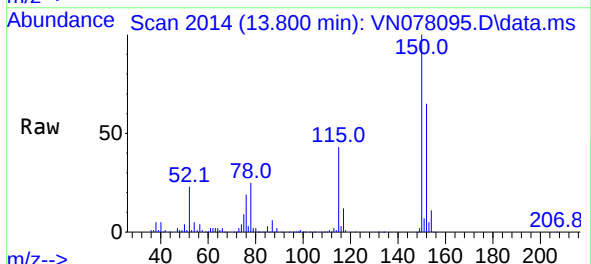
Instrument :
MSVOA_N
ClientSampleId :
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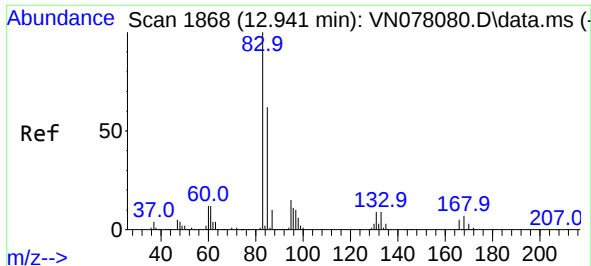
Tgt Ion:173 Resp: 1917
Ion Ratio Lower Upper
173 100
175 633.7 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion:152 Resp: 181261
Ion Ratio Lower Upper
152 100
115 64.1 32.3 96.8
150 158.5 0.0 355.8

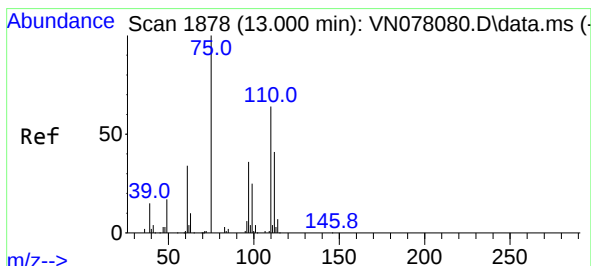
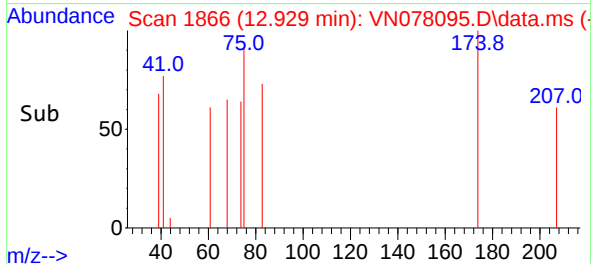
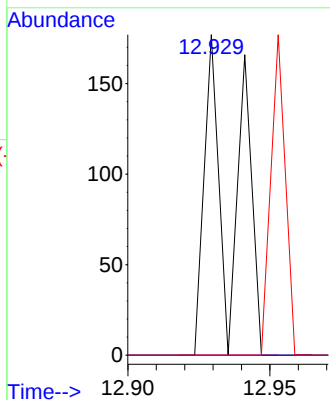
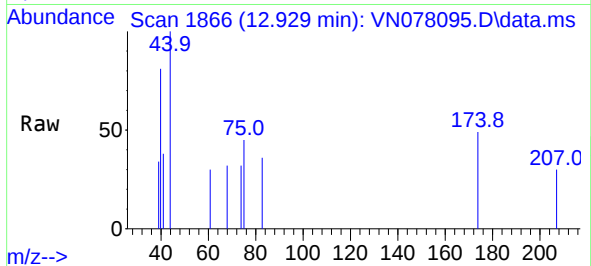




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.929 min Scan# 1866
Delta R.T. -0.012 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

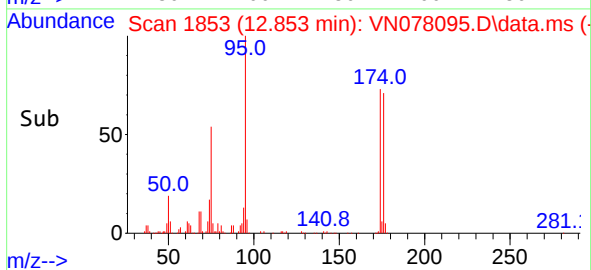
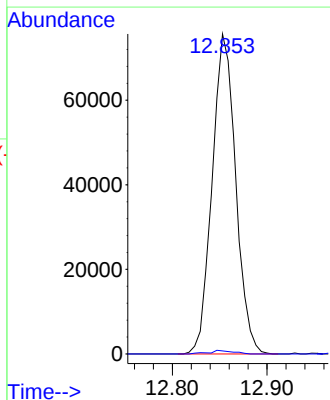
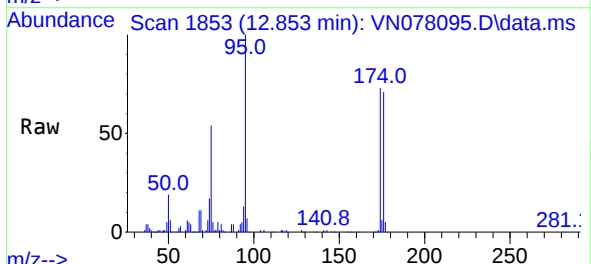
Instrument :
MSVOA_N
ClientSampleId :
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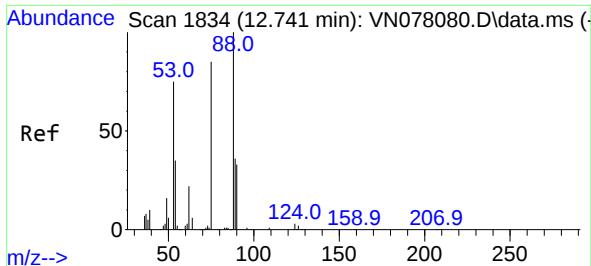
Tgt Ion: 83 Resp: 121
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 30.509 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 75 Resp: 130734
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#

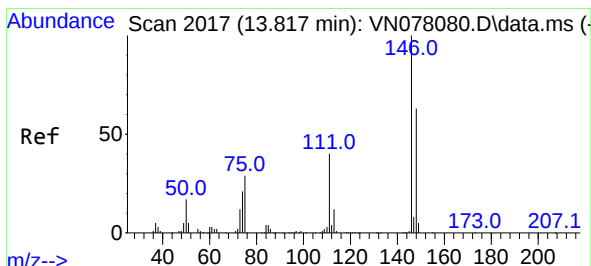
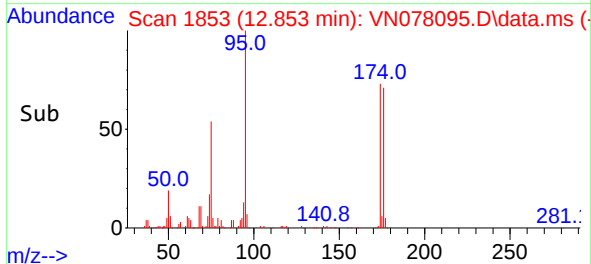
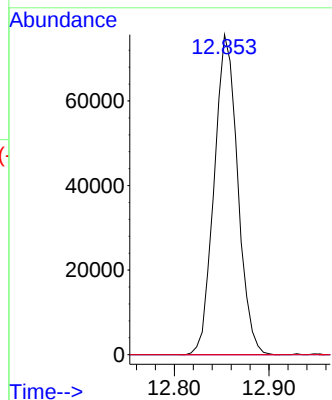
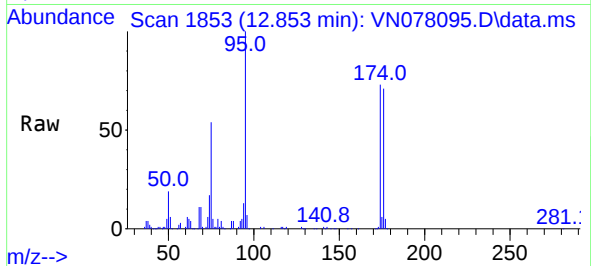




#81
trans-1,4-Dichloro-2-butene
Concen: 93.734 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

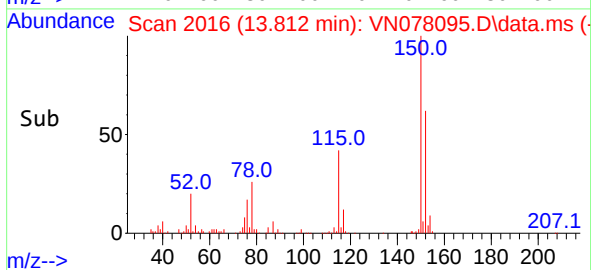
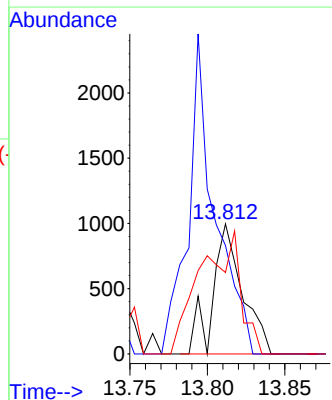
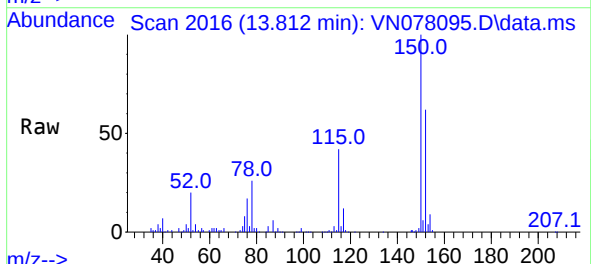
Instrument :
MSVOA_N
ClientSampleId :
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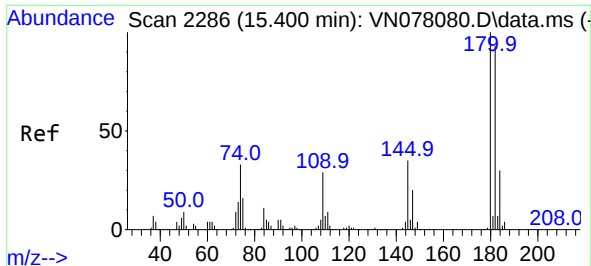
Tgt Ion: 75 Resp: 130734
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#88
1,4-Dichlorobenzene
Concen: 0.205 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion: 146 Resp: 1332
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 127.0 31.6 94.8#

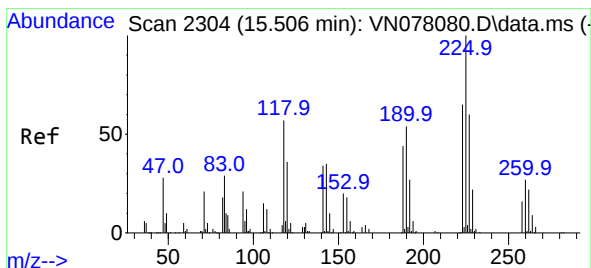
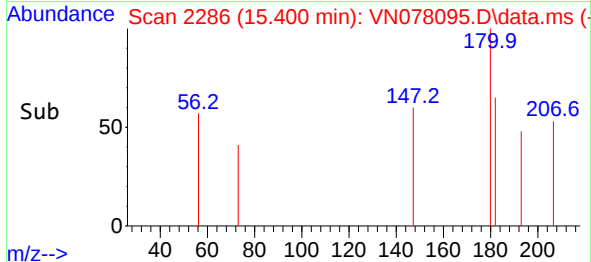
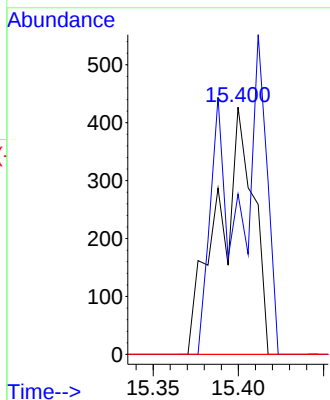
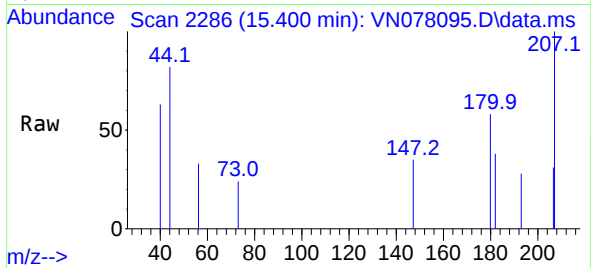




#93
1,2,4-Trichlorobenzene
Concen: 0.261 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

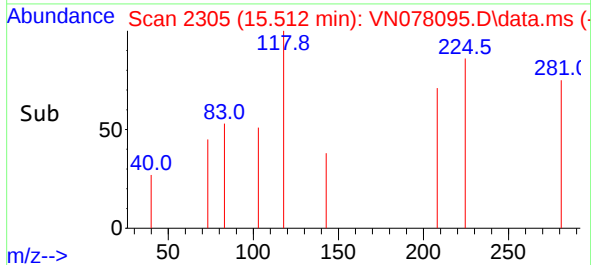
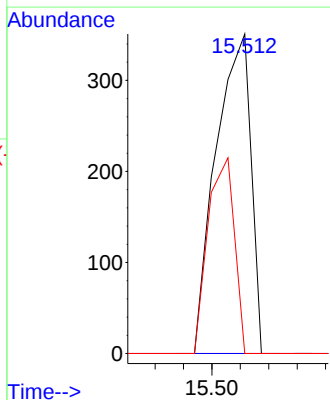
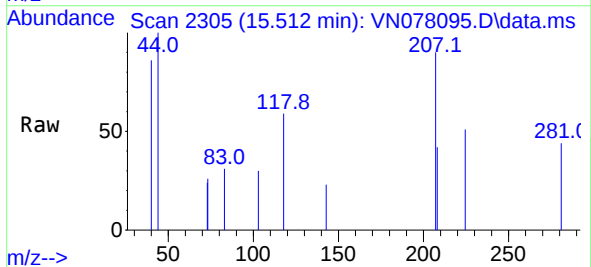
Instrument :
MSVOA_N
ClientSampleId :
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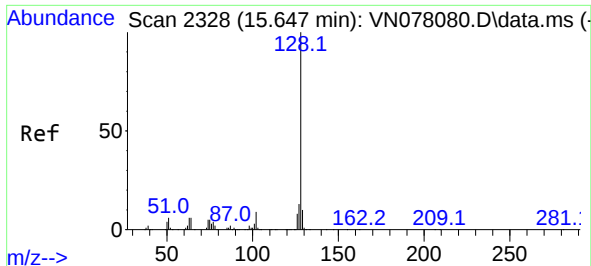
Tgt Ion:180 Resp: 611
Ion Ratio Lower Upper
180 100
182 49.1 46.1 138.2
145 0.0 16.6 49.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.512 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion:225 Resp: 298
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 46.3 31.9 95.9

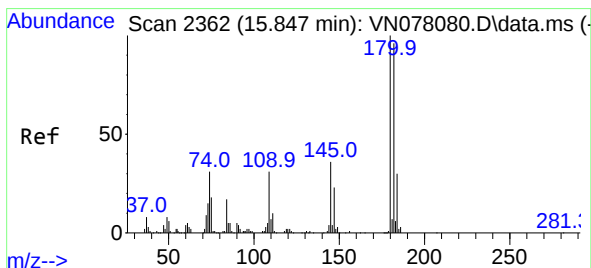
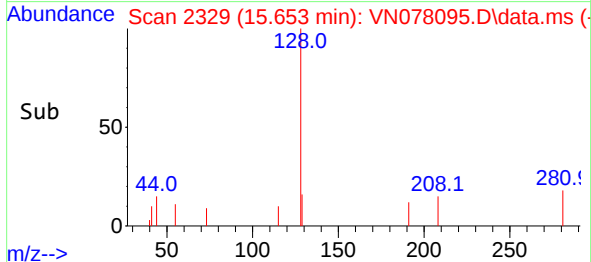
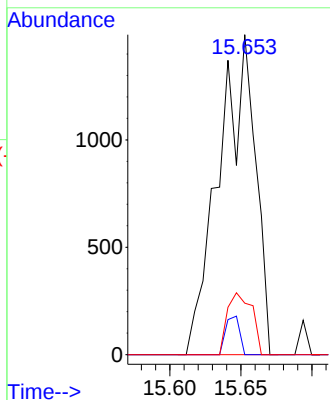
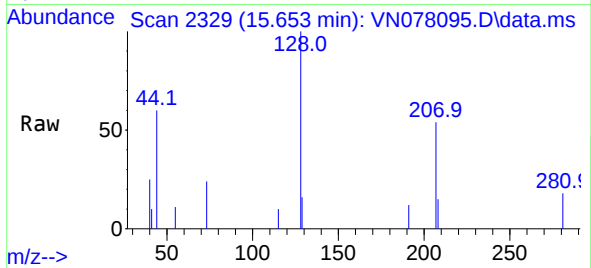




#95
Naphthalene
Concen: 0.336 ug/l
RT: 15.653 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 2651
Ion Ratio Lower Upper
128 100
127 4.6 10.0 15.0#
129 13.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.311 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN078095.D
Acq: 07 Jun 2023 11:52

Tgt Ion:180 Resp: 814
Ion Ratio Lower Upper
180 100
182 76.8 46.2 138.6
145 41.8 17.5 52.6

