

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076663.D
 Acq On : 14 Feb 2023 15:41
 Operator : JC\MD
 Sample : 01545-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-M

Quant Time: Feb 15 03:15:09 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.	QIon	Response	Conc	Units	Dev(Min)

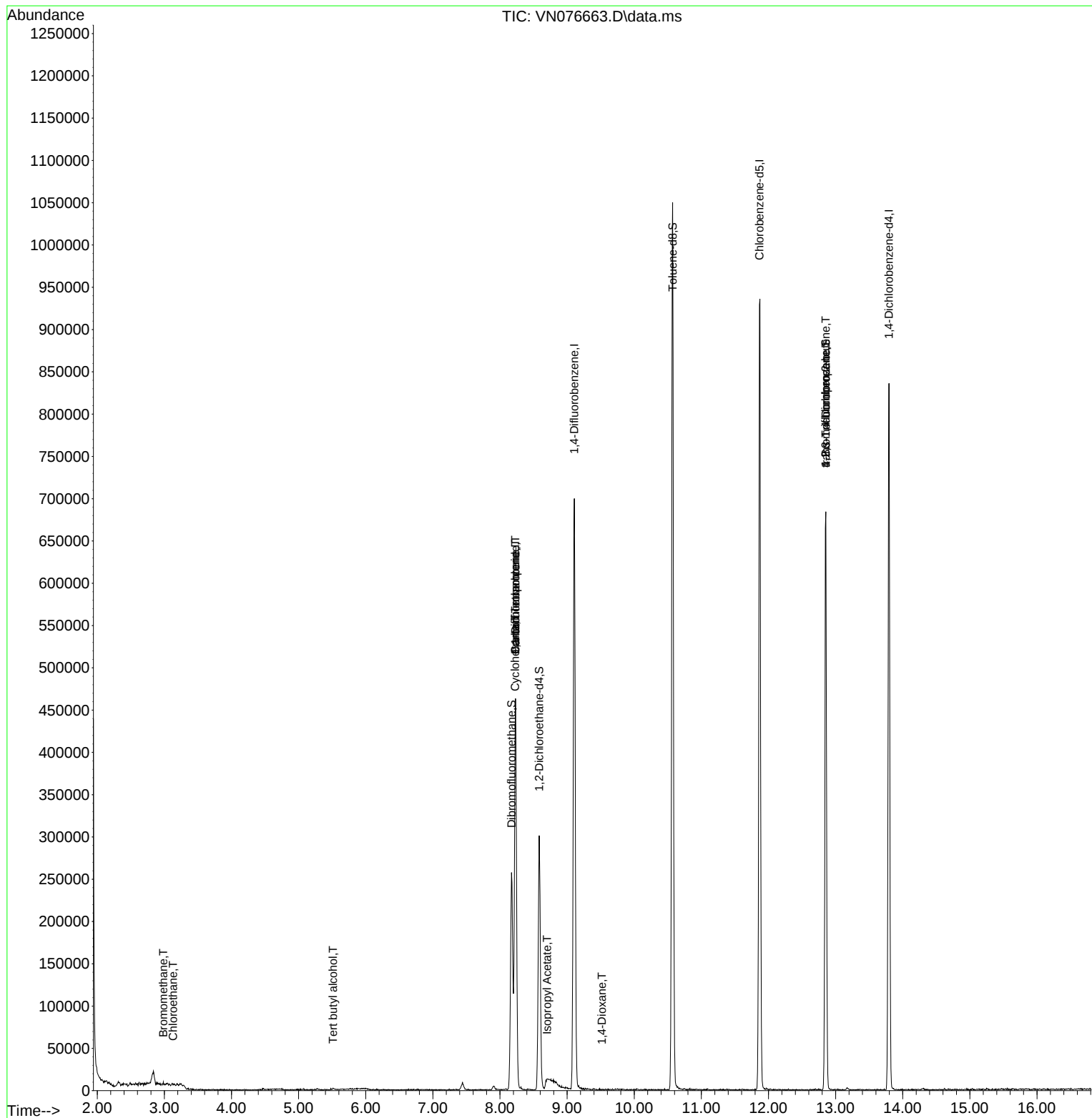
Internal Standards						
1) Pentafluorobenzene	8.230	168	316987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	589124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	517321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	206164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	231728	52.941	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.880%	
35) Dibromofluoromethane	8.172	113	180047	46.668	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.340%	
50) Toluene-d8	10.571	98	702521	48.759	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.520%	
62) 4-Bromofluorobenzene	12.854	95	222512	46.628	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.984	94	1094	0.418	ug/l #	81
6) Chloroethane	3.131	64	788	0.289	ug/l #	44
11) Tert butyl alcohol	5.513	59	975	1.688	ug/l #	71
31) Cyclohexane	8.224	56	8720	1.270	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	28600	5.131	ug/l #	51
38) Carbon Tetrachloride	8.230	117	34813	6.191	ug/l #	16
43) Isopropyl Acetate	8.701	43	7571	0.793	ug/l #	56
49) 1,4-Dioxane	9.519	88	55	0.702	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	121118	29.059	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	121118	84.635	ug/l #	4

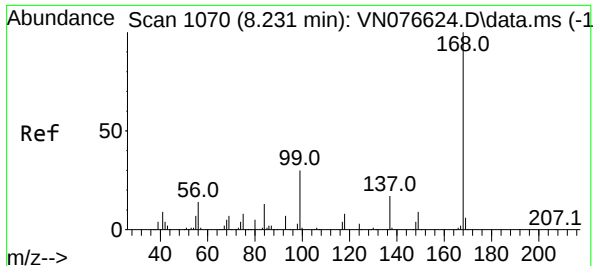
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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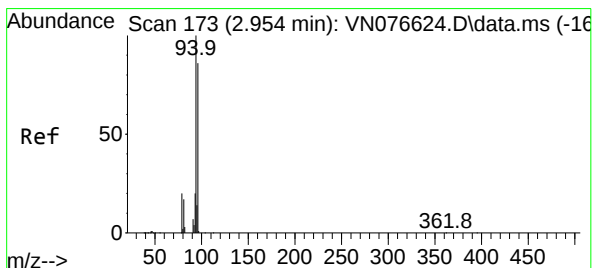
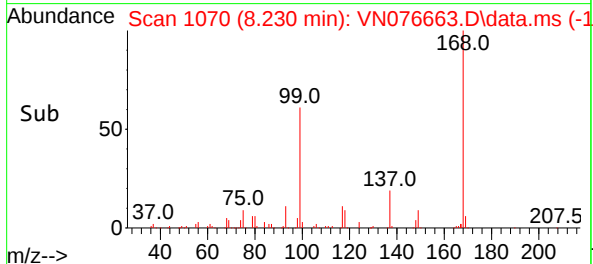
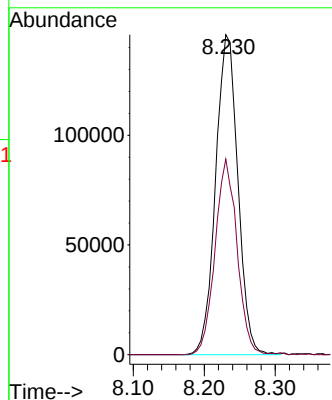
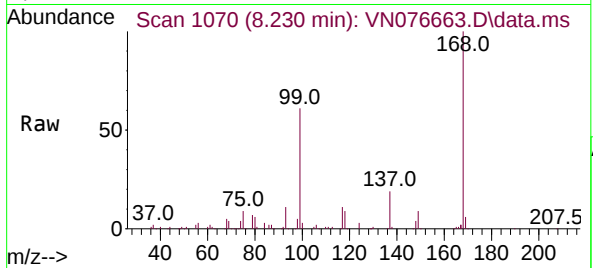




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

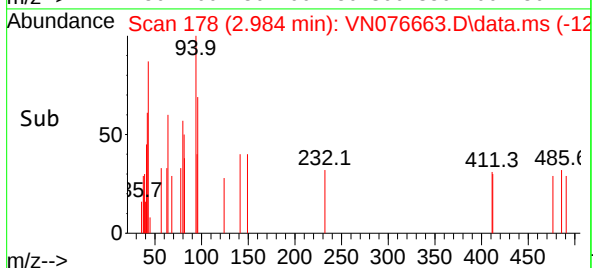
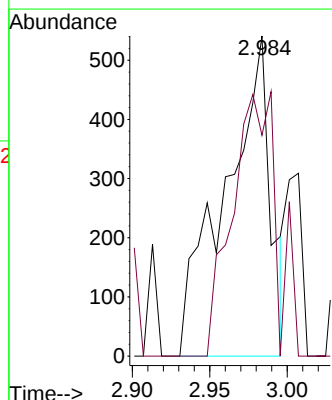
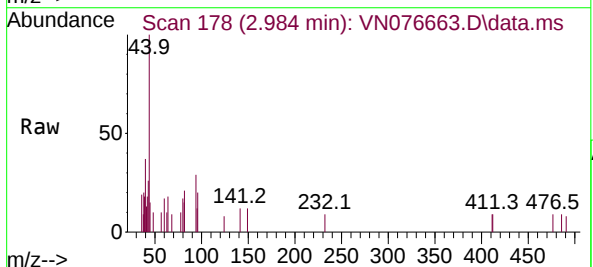
Instrument :
MSVOA_N
ClientSampleId :
MH-M

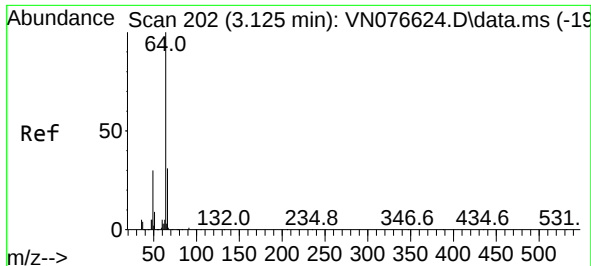
Tgt Ion:168 Resp: 316987
Ion Ratio Lower Upper
168 100
99 61.1 44.8 67.2



#5
Bromomethane
Concen: 0.418 ug/l
RT: 2.984 min Scan# 178
Delta R.T. 0.030 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

Tgt Ion: 94 Resp: 1094
Ion Ratio Lower Upper
94 100
96 68.9 69.0 103.4#

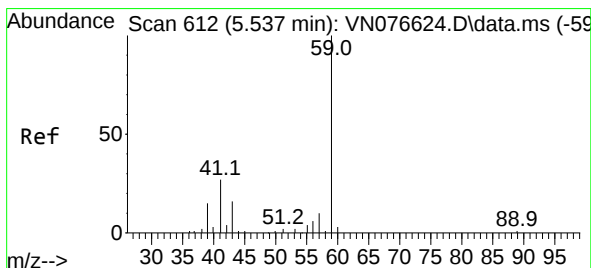
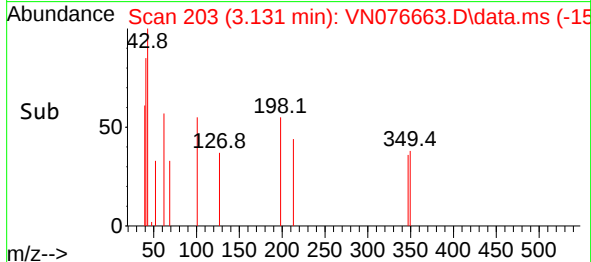
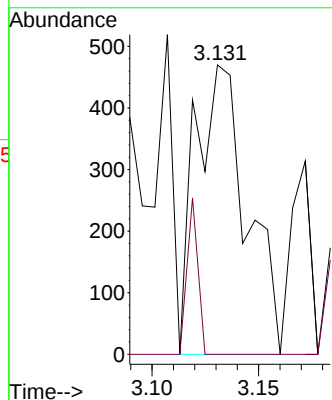
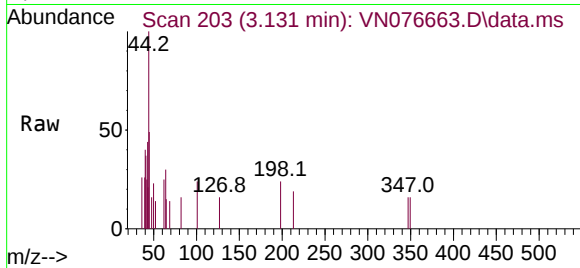




#6
Chloroethane
Concen: 0.289 ug/l
RT: 3.131 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

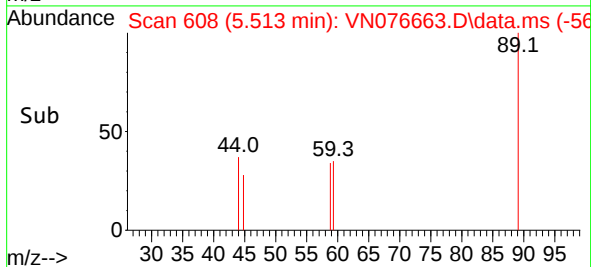
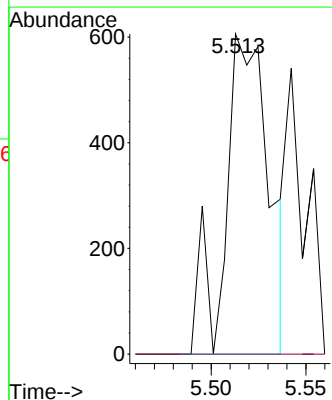
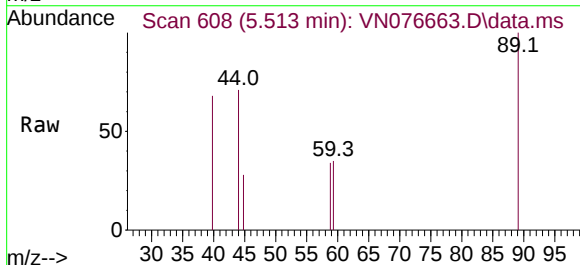
Instrument :
MSVOA_N
ClientSampleId :
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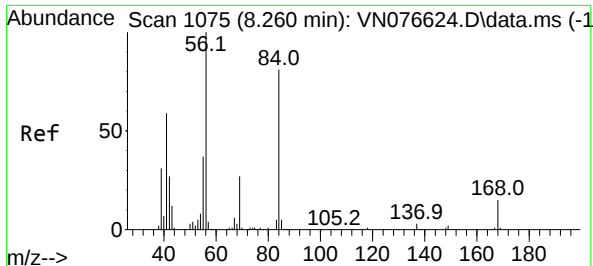
Tgt Ion: 64 Resp: 788
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#



#11
Tert butyl alcohol
Concen: 1.688 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

Tgt Ion: 59 Resp: 975
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

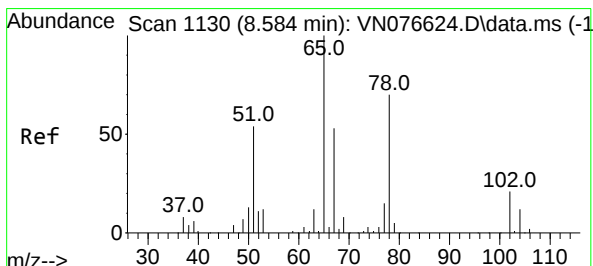
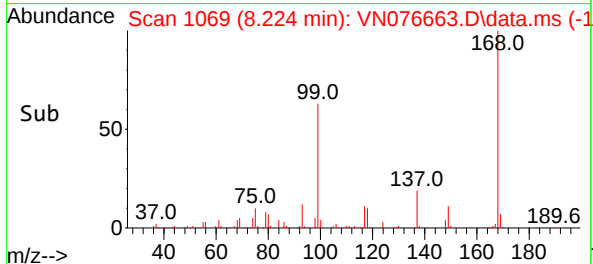
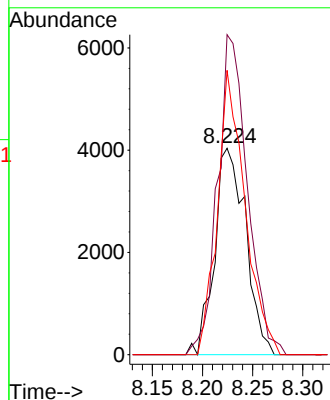
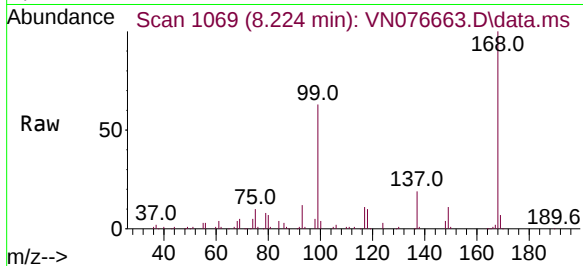




#31
Cyclohexane
Concen: 1.270 ug/l
RT: 8.224 min Scan# 1069
Delta R.T. -0.036 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

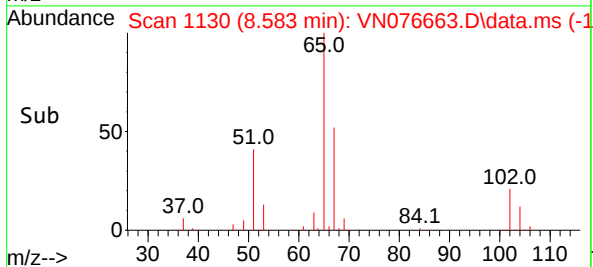
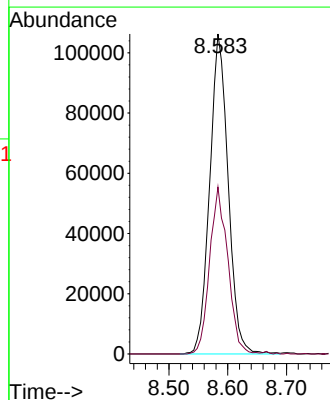
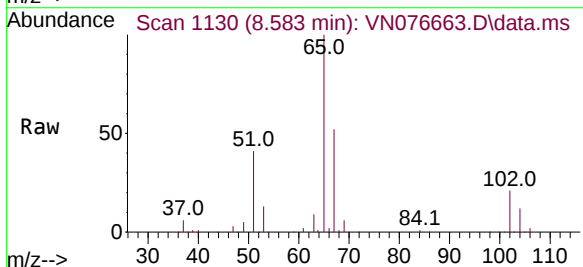
Instrument :
MSVOA_N
ClientSampleId :
MH-M

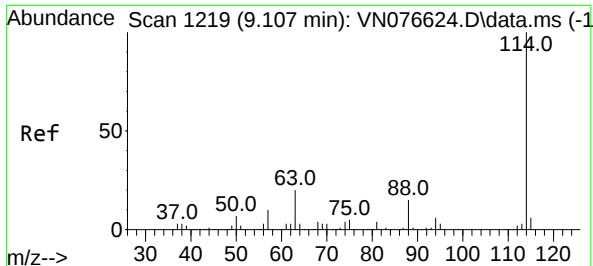
Tgt Ion: 56 Resp: 8720
Ion Ratio Lower Upper
56 100
69 155.0 21.6 32.4#
84 137.8 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 52.941 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

Tgt Ion: 65 Resp: 231728
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076663.D

Acq: 14 Feb 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :

MH-M

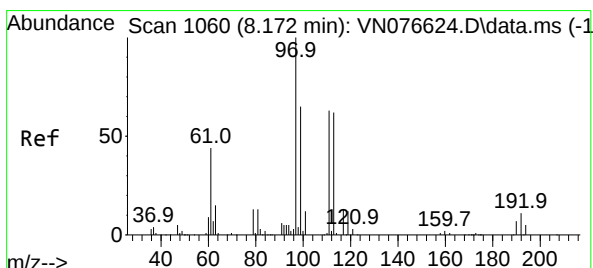
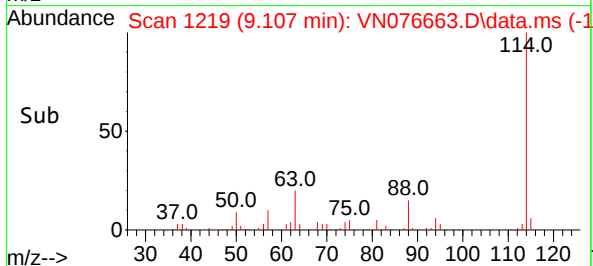
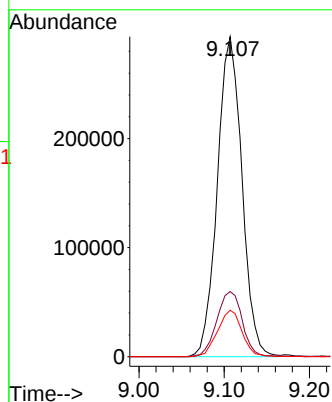
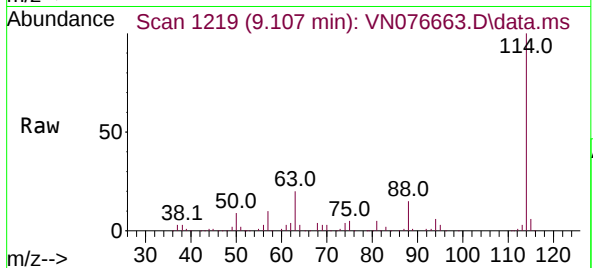
Tgt Ion:114 Resp: 589124

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 14.5 0.0 29.6



#35

Dibromofluoromethane

Concen: 46.668 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076663.D

Acq: 14 Feb 2023 15:41

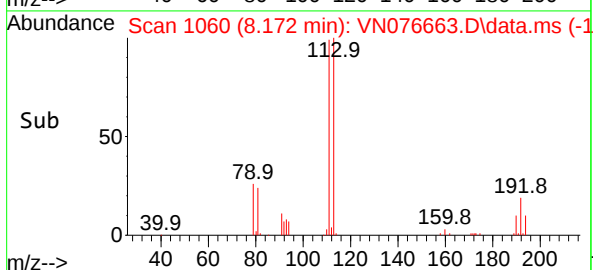
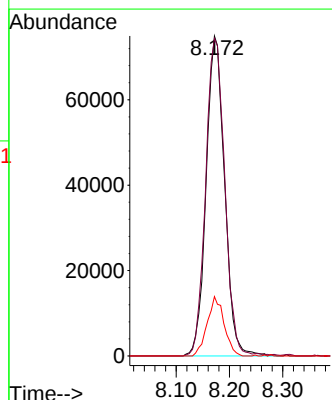
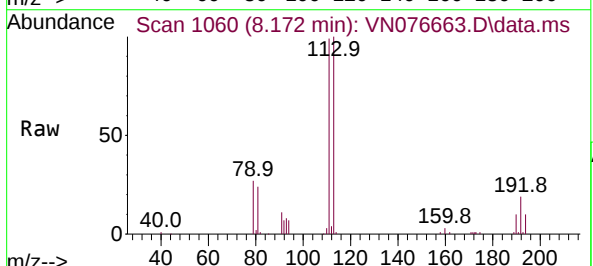
Tgt Ion:113 Resp: 180047

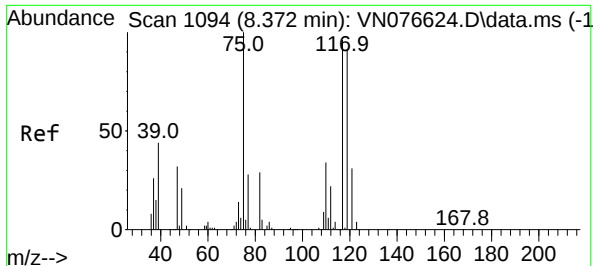
Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

192 17.0 15.6 23.4

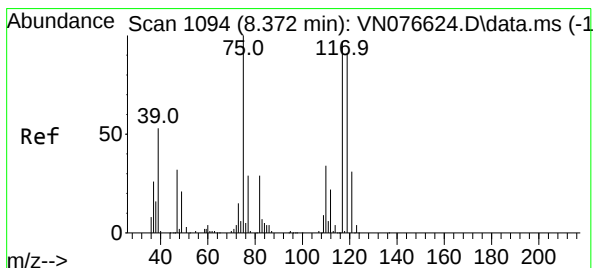
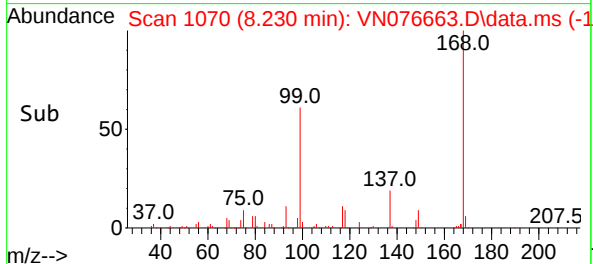
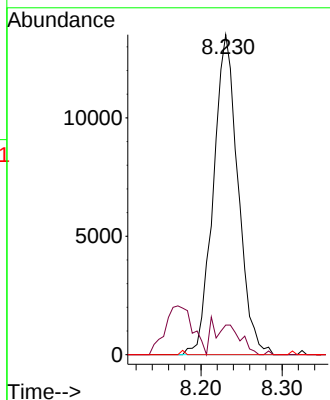
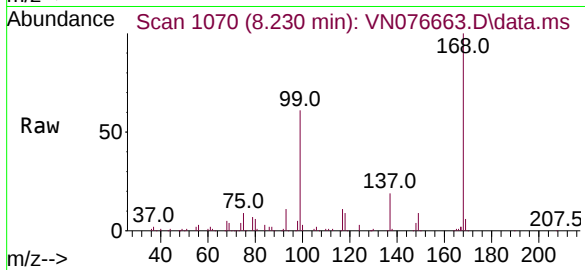




#36
1,1-Dichloropropene
Concen: 5.131 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

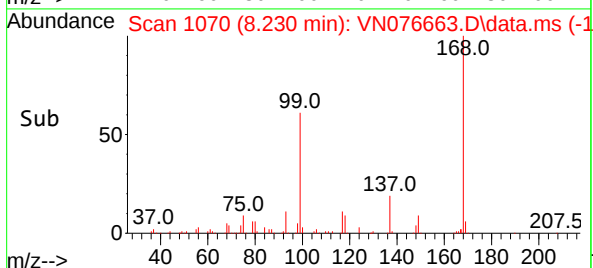
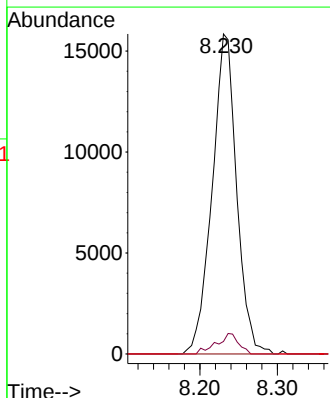
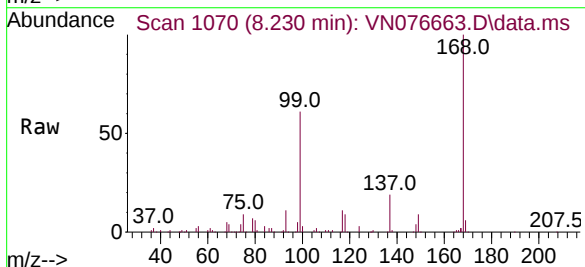
Instrument :
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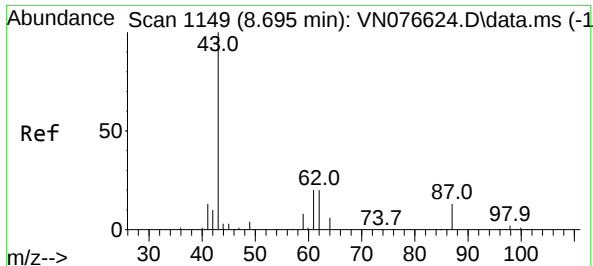
Tgt Ion: 75 Resp: 28600
Ion Ratio Lower Upper
75 100
110 10.5 17.5 52.5#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

Tgt Ion: 117 Resp: 34813
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.0#
121 0.0 26.0 39.0#





#43

Isopropyl Acetate

Concen: 0.793 ug/l

RT: 8.701 min Scan# 1150

Delta R.T. 0.006 min

Lab File: VN076663.D

Acq: 14 Feb 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :

MH-M

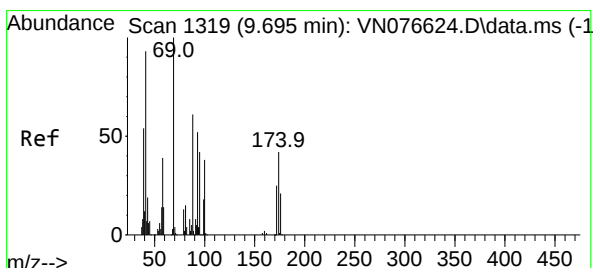
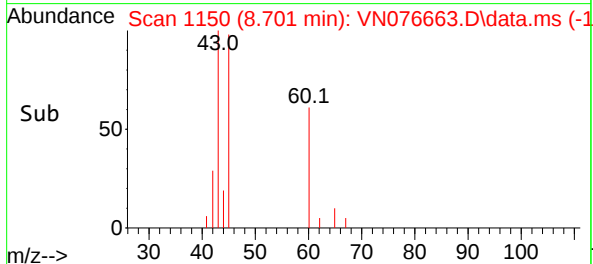
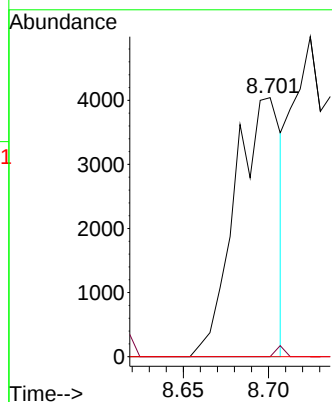
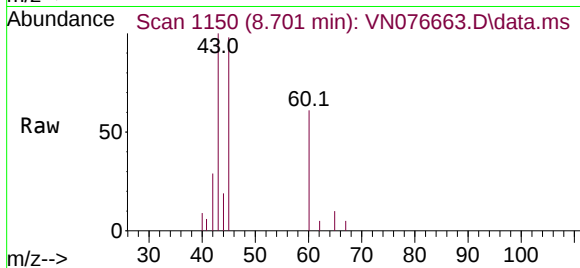
Tgt Ion: 43 Resp: 7571

Ion Ratio Lower Upper

43 100

61 0.0 20.0 30.0#

87 0.0 9.9 14.9#



#49

1,4-Dioxane

Concen: 0.702 ug/l

RT: 9.519 min Scan# 1289

Delta R.T. -0.176 min

Lab File: VN076663.D

Acq: 14 Feb 2023 15:41

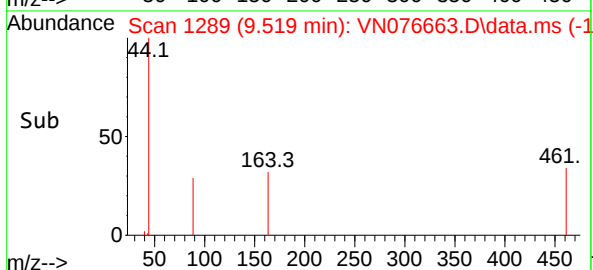
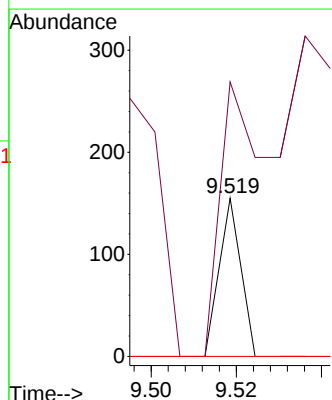
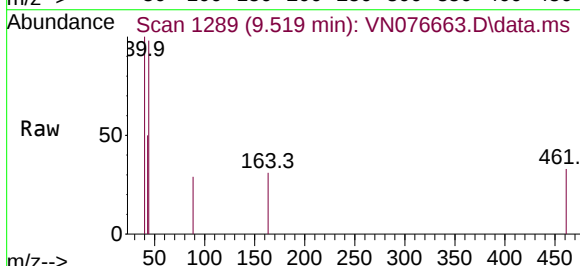
Tgt Ion: 88 Resp: 55

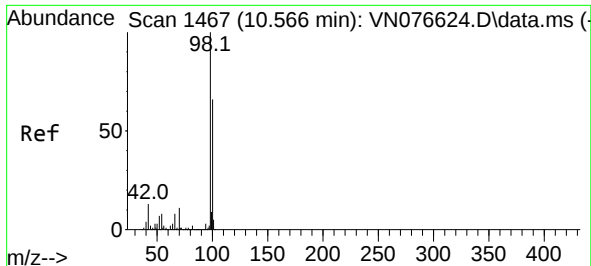
Ion Ratio Lower Upper

88 100

43 805.5 22.6 33.8#

58 0.0 57.6 86.4#

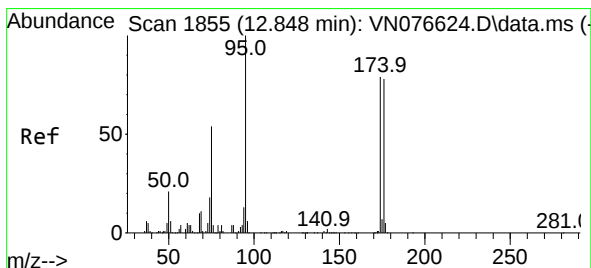
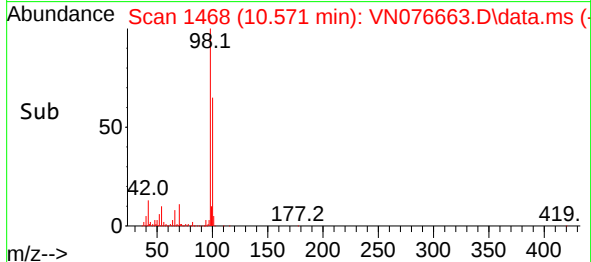
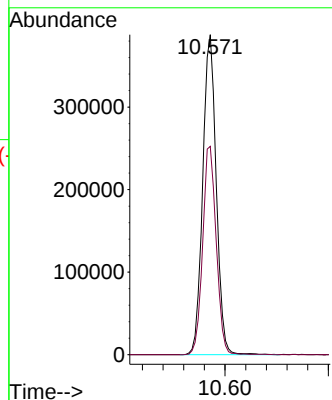
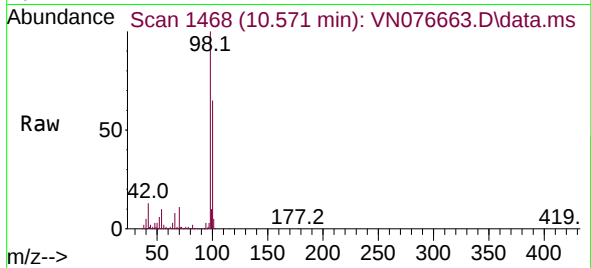




#50
Toluene-d8
Concen: 48.759 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

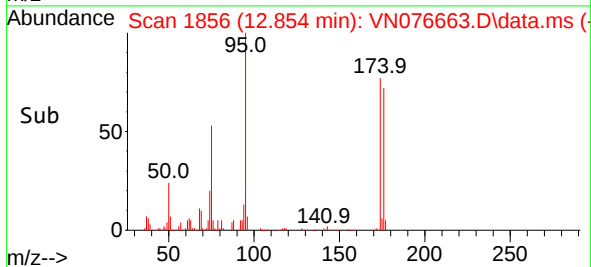
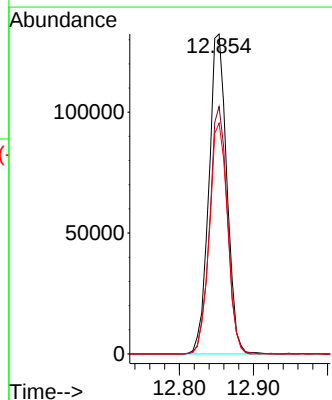
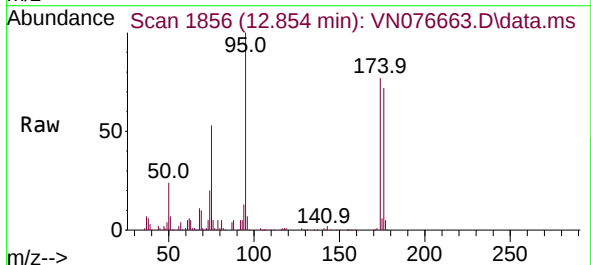
Instrument :
MSVOA_N
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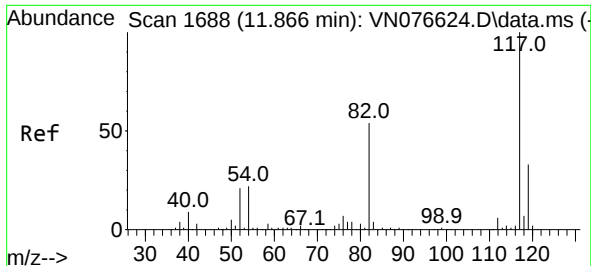
Tgt Ion: 98 Resp: 702521
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 46.628 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

Tgt Ion: 95 Resp: 222512
Ion Ratio Lower Upper
95 100
174 76.3 0.0 169.2
176 73.3 0.0 163.4

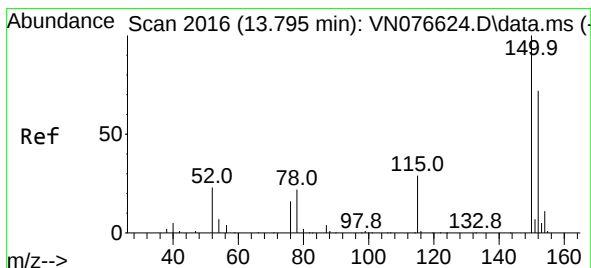
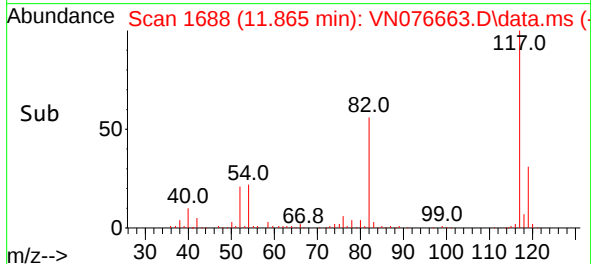
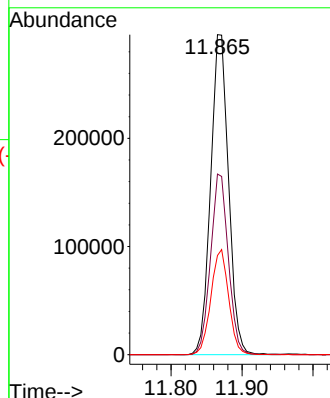
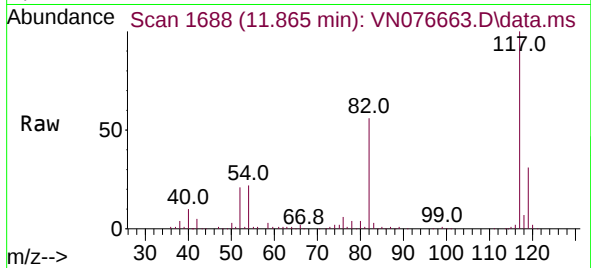




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

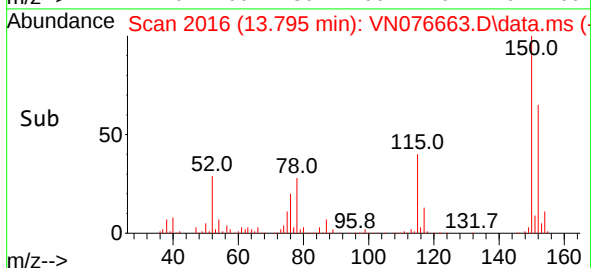
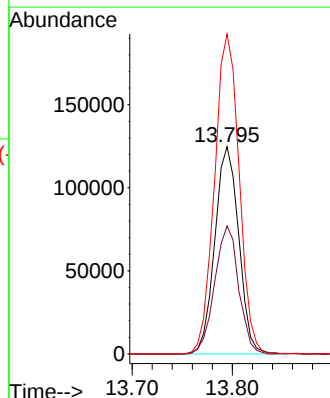
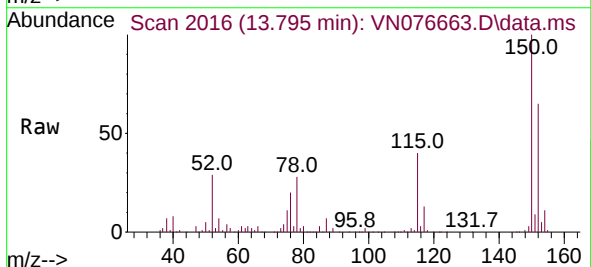
Instrument :
MSVOA_N
ClientSampleId :
MH-M

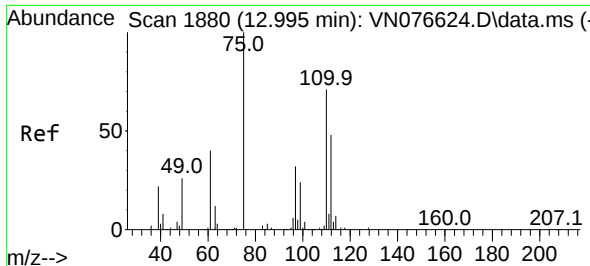
Tgt Ion:117 Resp: 517321
Ion Ratio Lower Upper
117 100
82 56.4 43.4 65.2
119 31.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

Tgt Ion:152 Resp: 206164
Ion Ratio Lower Upper
152 100
115 61.9 29.3 87.9
150 159.4 0.0 349.8

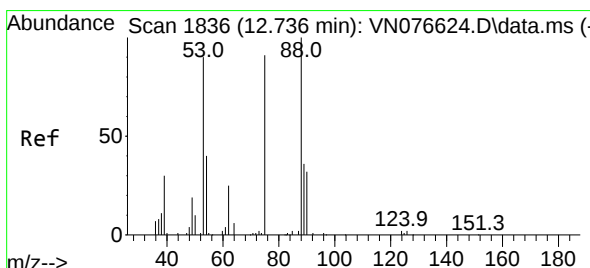
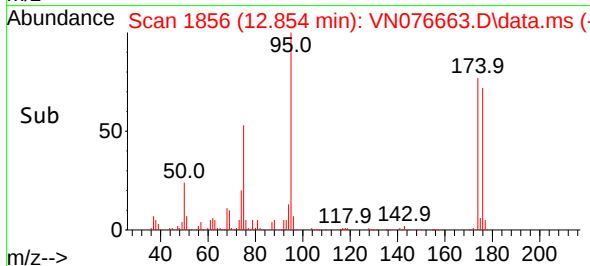
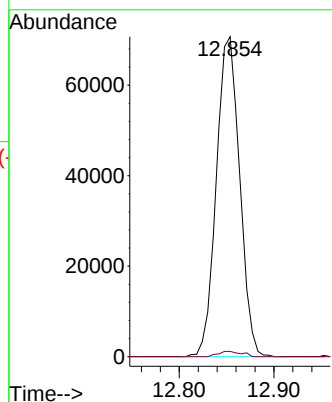
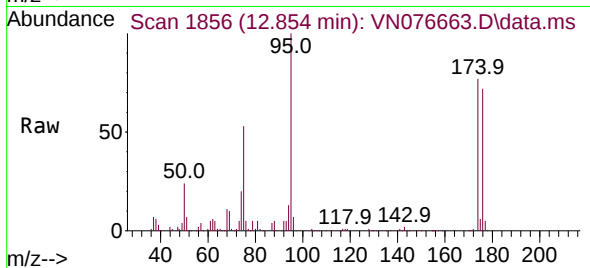




#76
1,2,3-Trichloropropane
Concen: 29.059 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :
MH-M

Tgt Ion: 75 Resp: 121118
Ion Ratio Lower Upper
75 100
77 1.7 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.635 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076663.D
Acq: 14 Feb 2023 15:41

Tgt Ion: 75 Resp: 121118
Ion Ratio Lower Upper
75 100
53 0.3 92.1 138.1#
89 0.0 37.5 56.3#

