

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072254.D
 Acq On : 28 Apr 2022 21:49
 Operator : JC\MD
 Sample : N2617-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18I

Quant Time: Apr 29 06:38:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

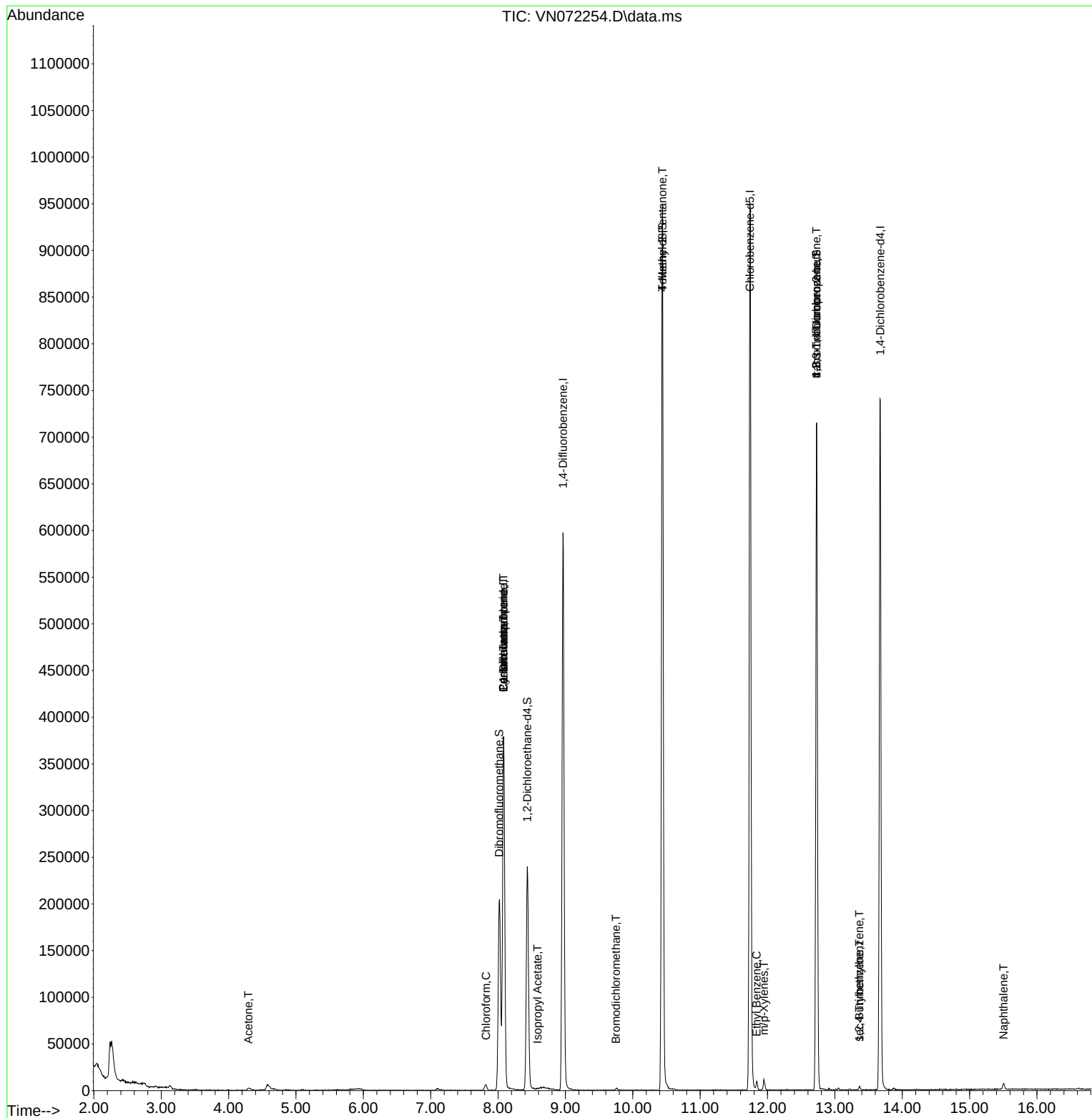
Internal Standards						
1) Pentafluorobenzene	8.080	168	273378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	504755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	547222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	196407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	211066	50.290	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.580%		
35) Dibromofluoromethane	8.016	113	154411	47.795	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 95.580%		
50) Toluene-d8	10.439	98	647996	51.044	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 102.080%		
62) 4-Bromofluorobenzene	12.727	95	252431	59.908	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 119.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1283	Below Cal	#	43
5) Bromomethane	2.875	94	131	Below Cal	#	2
6) Chloroethane	3.069	64	1197	Below Cal	#	42
16) Acetone	4.292	43	1569	0.867	ug/l #	86
30) Chloroform	7.822	83	6664	1.063	ug/l #	77
31) Cyclohexane	8.080	56	6299	1.123	ug/l #	25
36) 1,1-Dichloropropene	8.080	75	23935	5.090	ug/l #	49
38) Carbon Tetrachloride	8.080	117	29527	5.863	ug/l #	17
43) Isopropyl Acetate	8.586	43	1659	0.968	ug/l #	53
47) Bromodichloromethane	9.751	83	2035	0.393	ug/l #	94
51) 4-Methyl-2-Pentanone	10.439	43	2976	0.505	ug/l #	1
67) Ethyl Benzene	11.839	91	6904	0.358	ug/l #	88
68) m/p-Xylenes	11.945	106	3089	0.431	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.727	83	60	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	139700	31.647	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	139700	82.242	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.362	105	3406	0.244	ug/l	76
85) sec-Butylbenzene	13.362	105	3406	0.206	ug/l #	56
95) Naphthalene	15.504	128	7474	4.971	ug/l	99

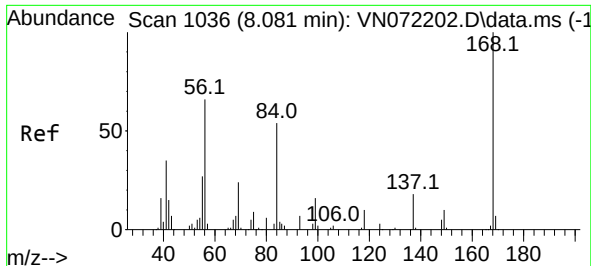
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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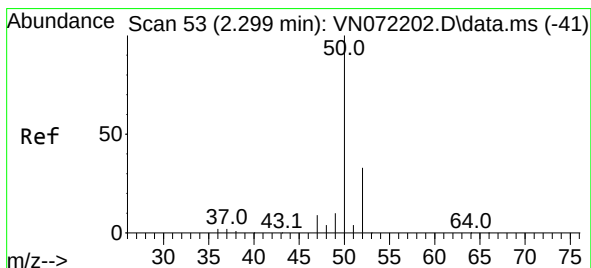
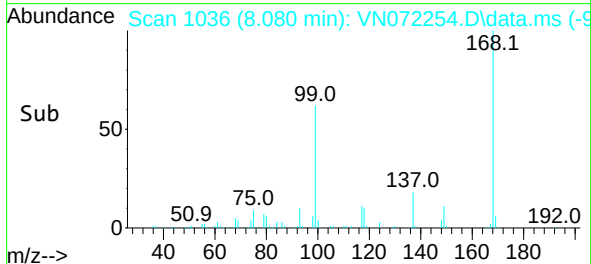
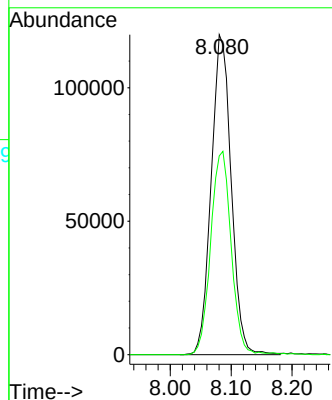
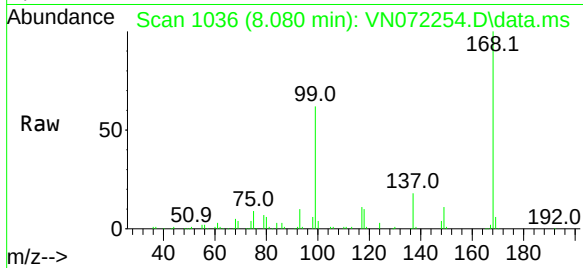




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

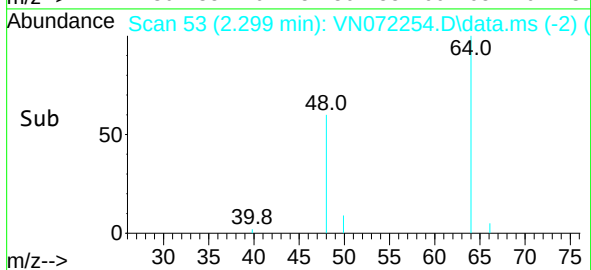
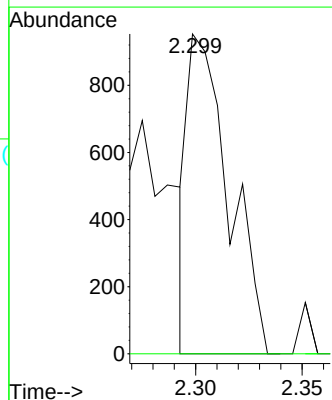
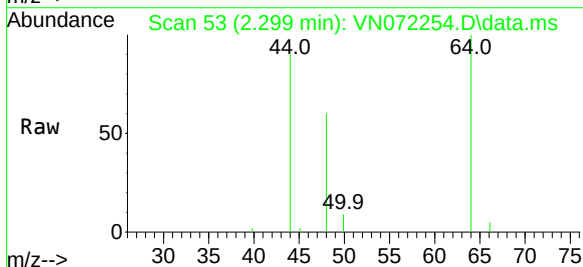
Instrument :
MSVOA_N
ClientSampleId :
MW-18I

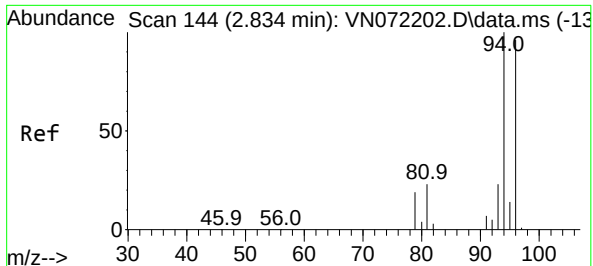
Tgt Ion:168 Resp: 273378
Ion Ratio Lower Upper
168 100
99 62.1 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Tgt Ion: 50 Resp: 1283
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.875 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN072254.D

Acq: 28 Apr 2022 21:49

Instrument :

MSVOA_N

ClientSampleId :

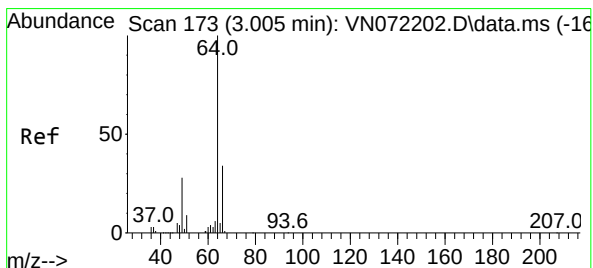
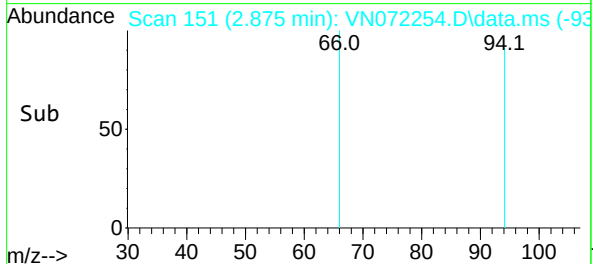
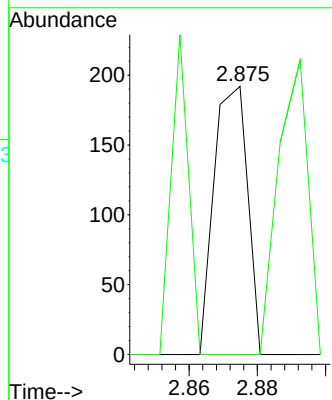
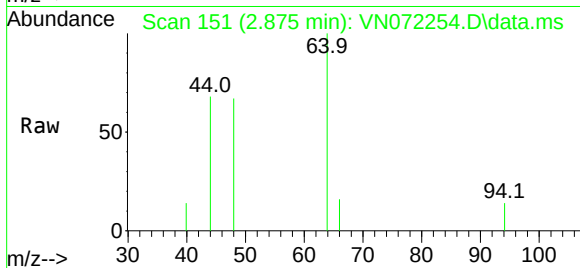
MW-18I

Tgt Ion: 94 Resp: 131

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 3.069 min Scan# 184

Delta R.T. 0.064 min

Lab File: VN072254.D

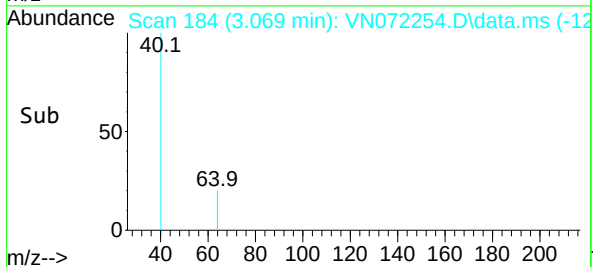
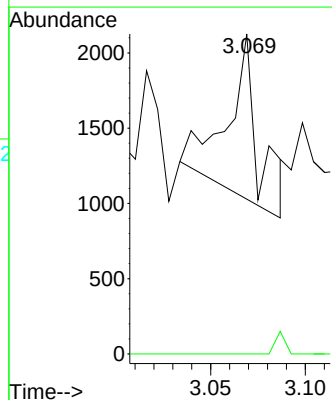
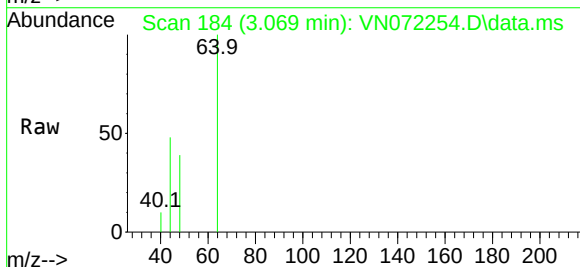
Acq: 28 Apr 2022 21:49

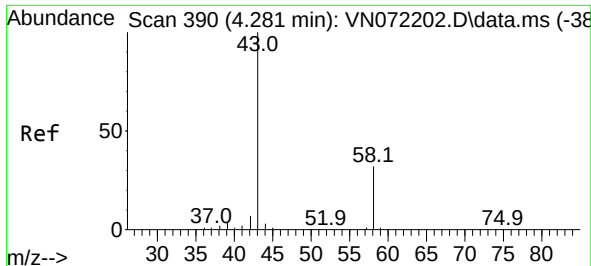
Tgt Ion: 64 Resp: 1197

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

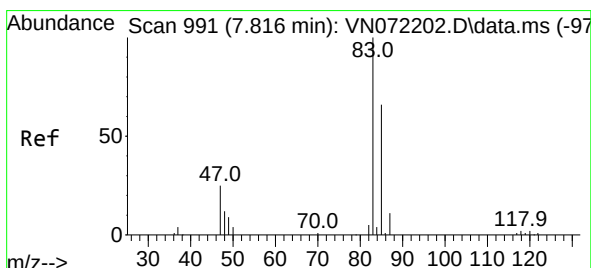
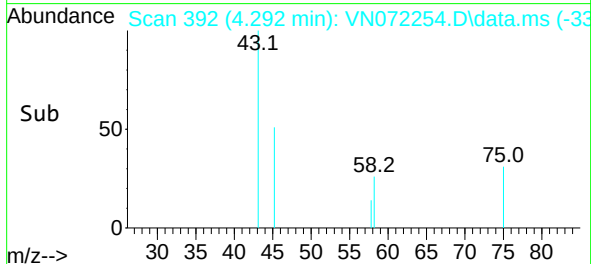
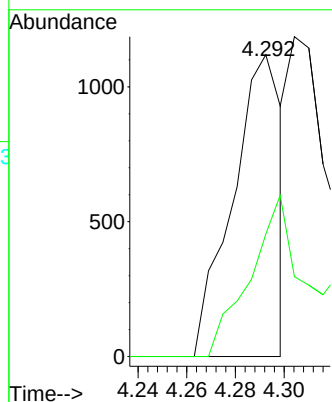
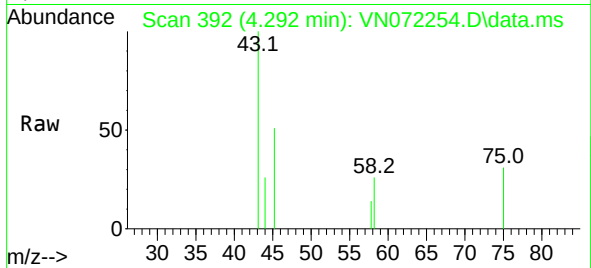




#16
Acetone
Concen: 0.867 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.011 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

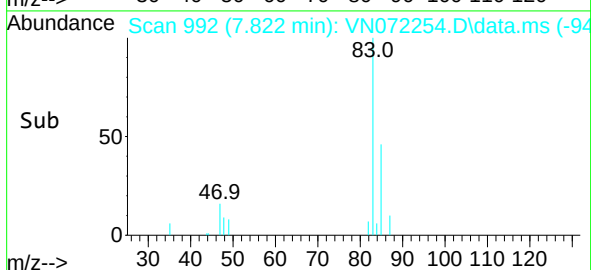
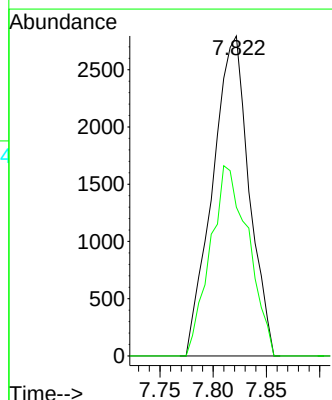
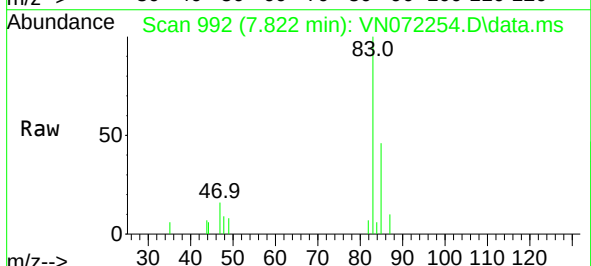
Instrument :
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ClientSampleId :
MW-18I

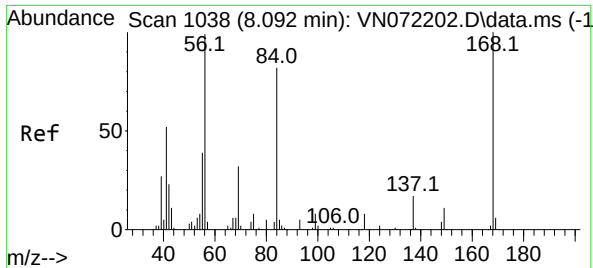
Tgt Ion: 43 Resp: 1569
Ion Ratio Lower Upper
43 100
58 40.6 26.0 39.0#



#30
Chloroform
Concen: 1.063 ug/l
RT: 7.822 min Scan# 992
Delta R.T. 0.006 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Tgt Ion: 83 Resp: 6664
Ion Ratio Lower Upper
83 100
85 46.5 51.8 77.8#

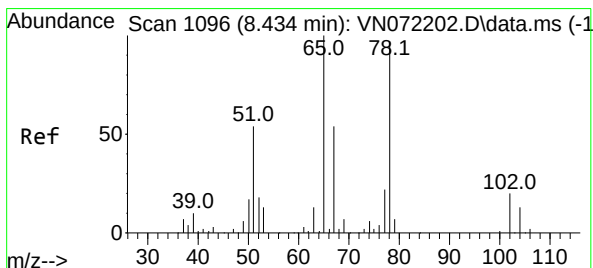
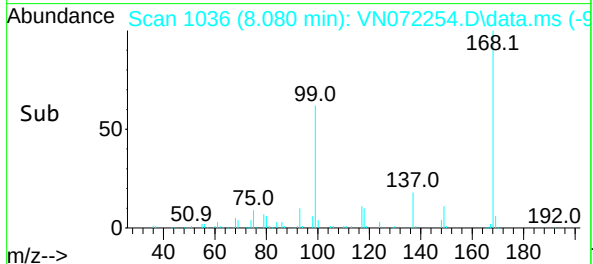
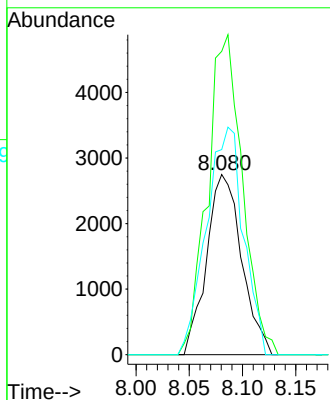
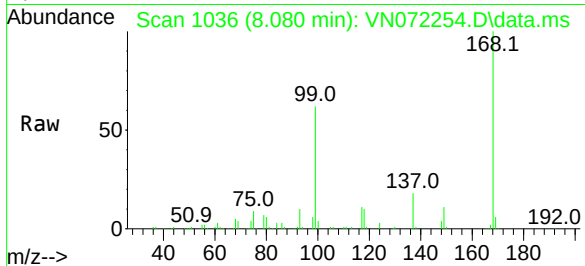




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

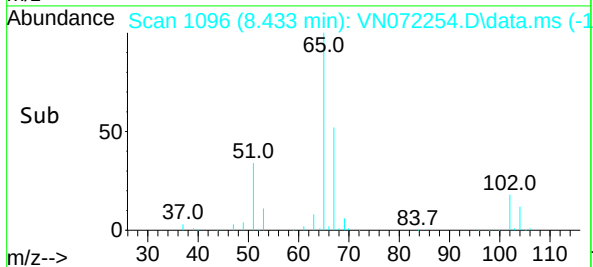
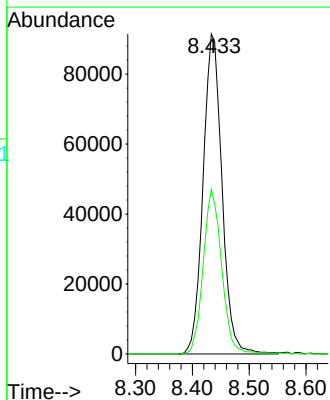
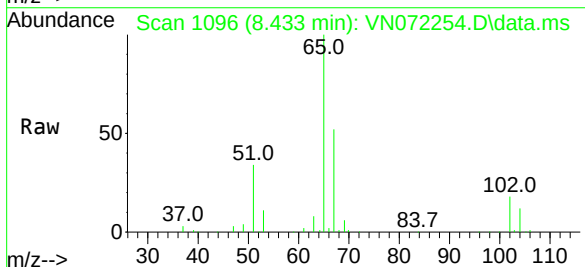
Instrument :
MSVOA_N
ClientSampleId :
MW-18I

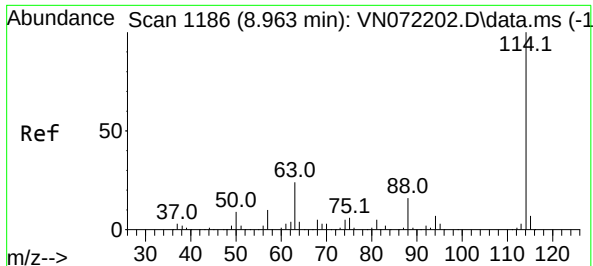
Tgt Ion: 56 Resp: 6299
Ion Ratio Lower Upper
56 100
69 168.4 27.8 41.8#
84 113.8 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 50.290 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Tgt Ion: 65 Resp: 211066
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072254.D

Acq: 28 Apr 2022 21:49

Instrument :

MSVOA_N

ClientSampleId :

MW-18I

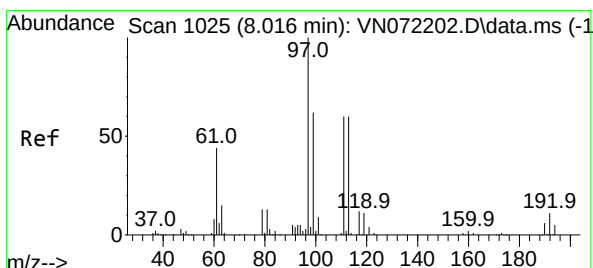
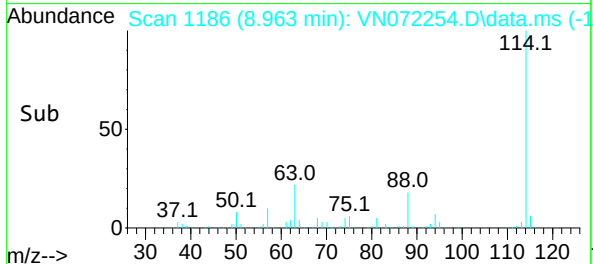
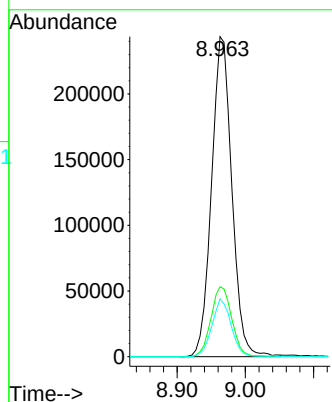
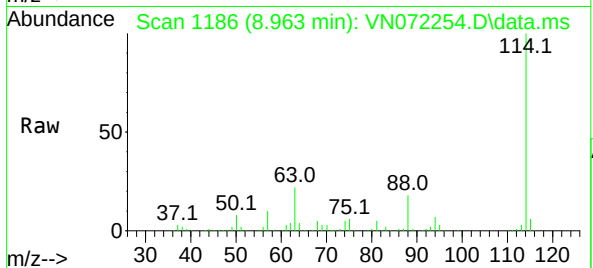
Tgt Ion:114 Resp: 504755

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 18.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.795 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072254.D

Acq: 28 Apr 2022 21:49

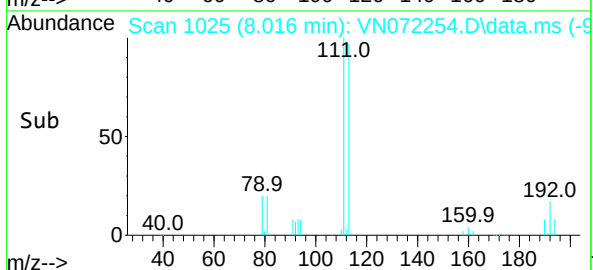
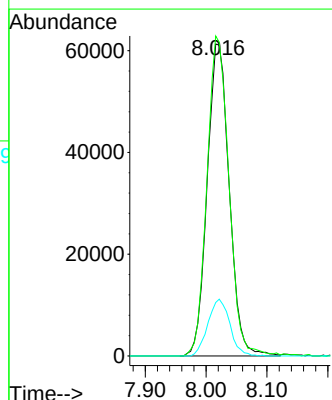
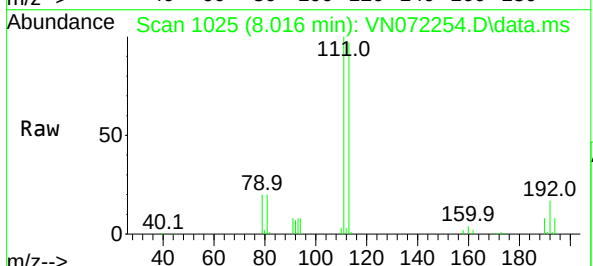
Tgt Ion:113 Resp: 154411

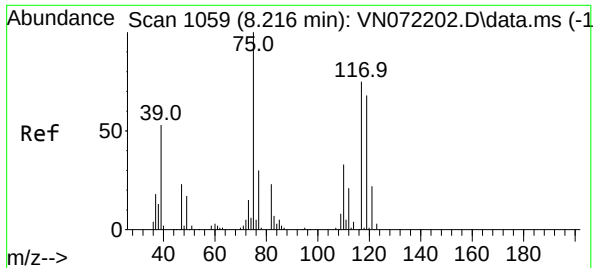
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.090 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN072254.D

Acq: 28 Apr 2022 21:49

Instrument :

MSVOA_N

ClientSampleId :

MW-18I

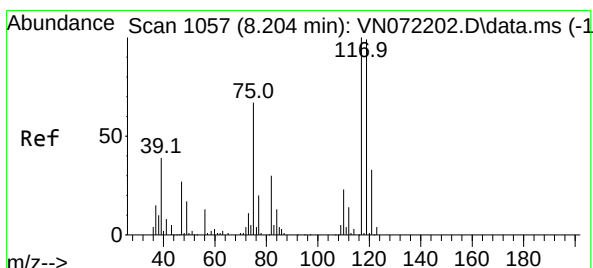
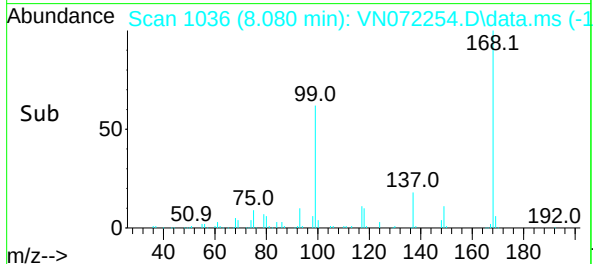
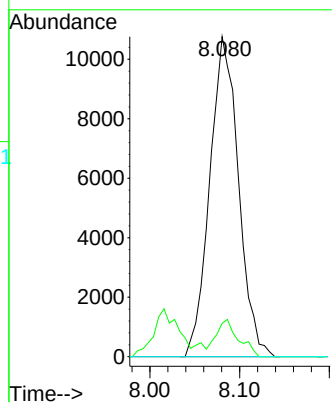
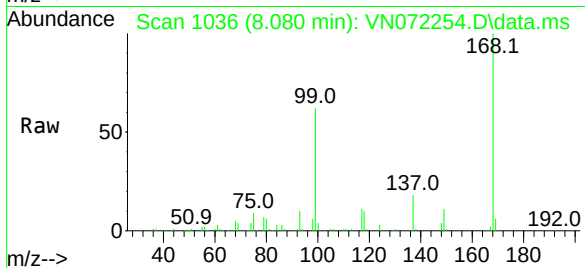
Tgt Ion: 75 Resp: 23935

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.863 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN072254.D

Acq: 28 Apr 2022 21:49

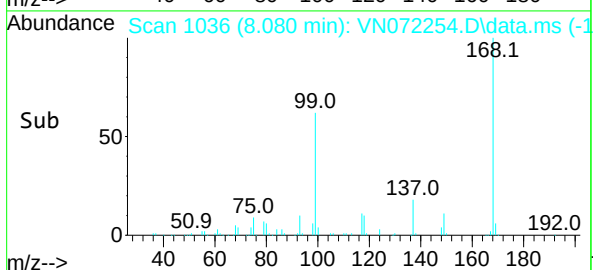
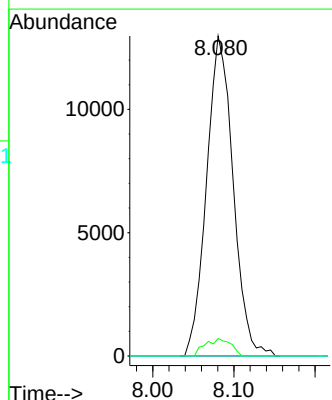
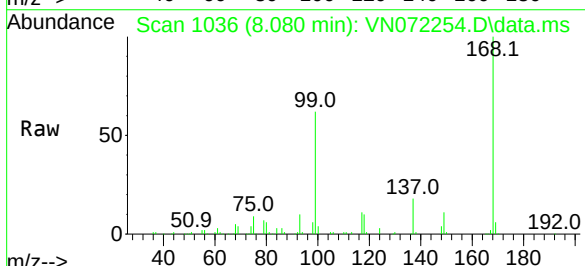
Tgt Ion: 117 Resp: 29527

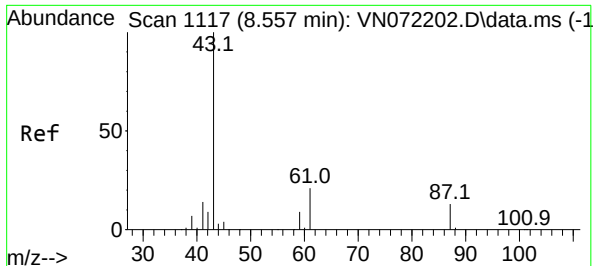
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

121 0.0 24.6 37.0#

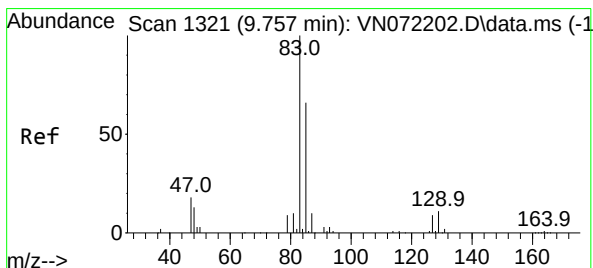
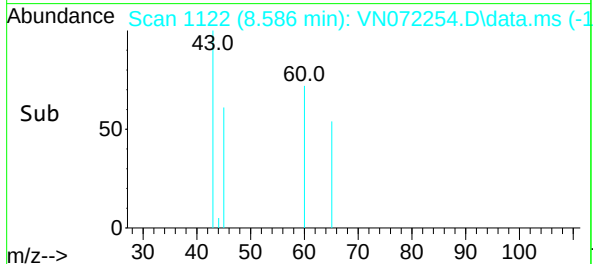
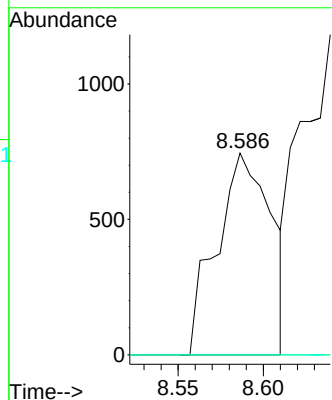
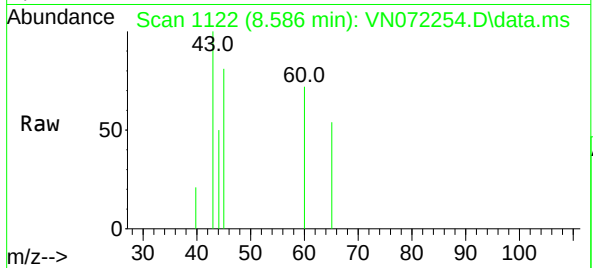




#43
Isopropyl Acetate
Concen: 0.968 ug/l
RT: 8.586 min Scan# 1117
Delta R.T. 0.029 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

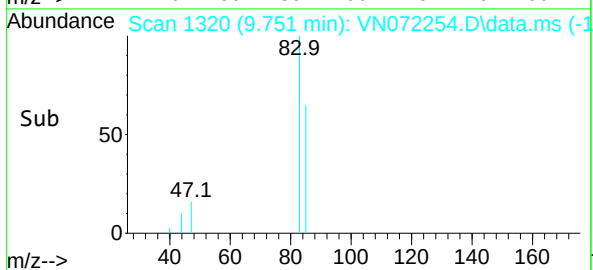
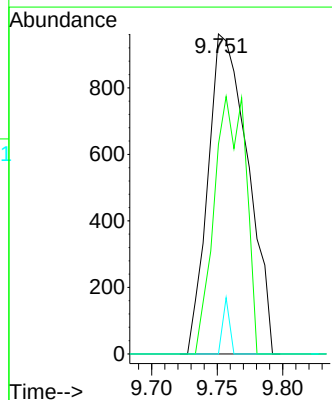
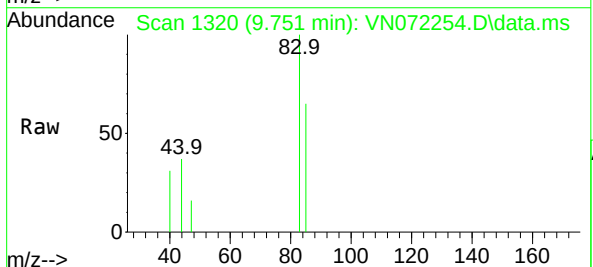
Instrument :
MSVOA_N
ClientSampleId :
MW-181

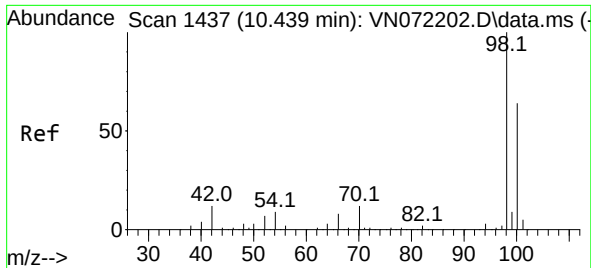
Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#47
Bromodichloromethane
Concen: 0.393 ug/l
RT: 9.751 min Scan# 1320
Delta R.T. -0.006 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Tgt Ion: 83 Resp: 2035
Ion Ratio Lower Upper
83 100
85 65.5 50.5 75.7
127 0.0 6.8 10.2#

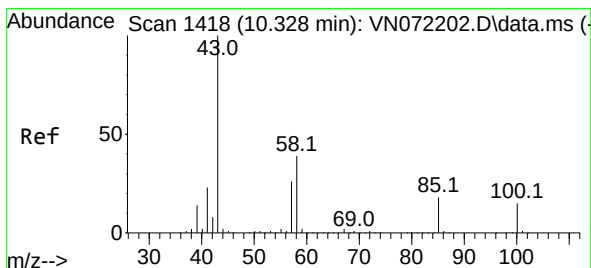
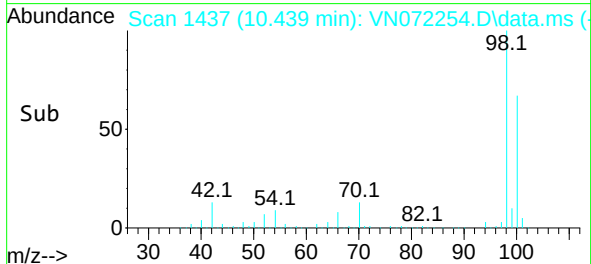
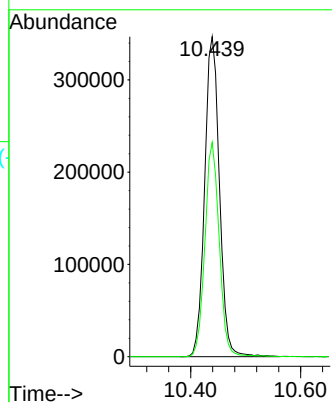
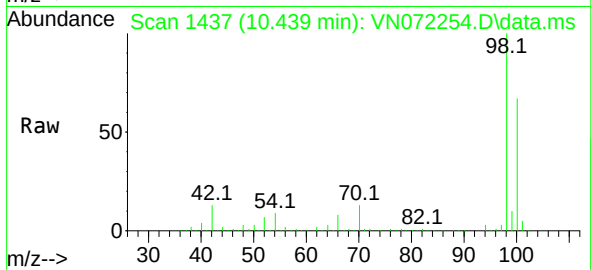




#50
Toluene-d8
Concen: 51.044 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

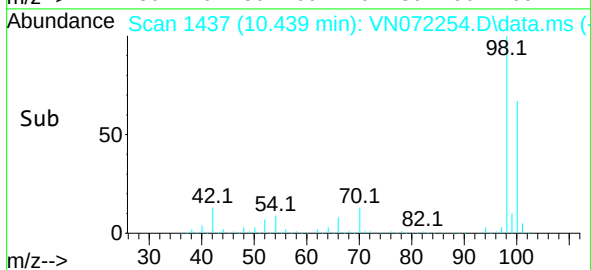
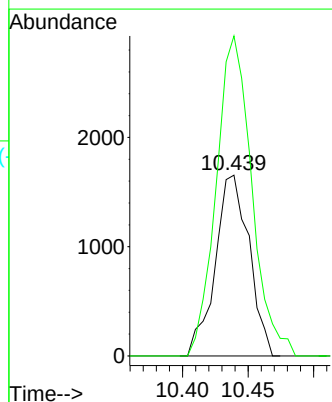
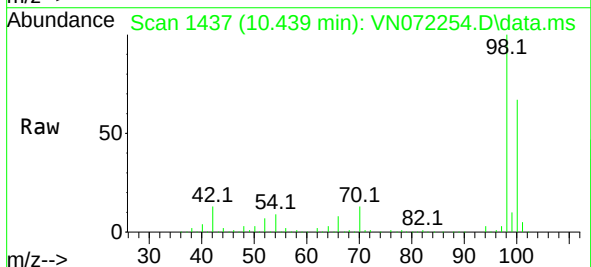
Instrument :
MSVOA_N
ClientSampleId :
MW-18I

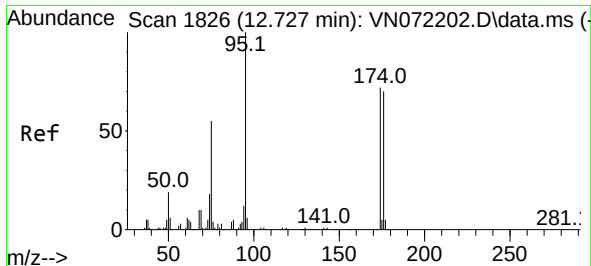
Tgt Ion: 98 Resp: 647996
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.505 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.111 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Tgt Ion: 43 Resp: 2976
Ion Ratio Lower Upper
43 100
58 185.3 34.1 51.1#

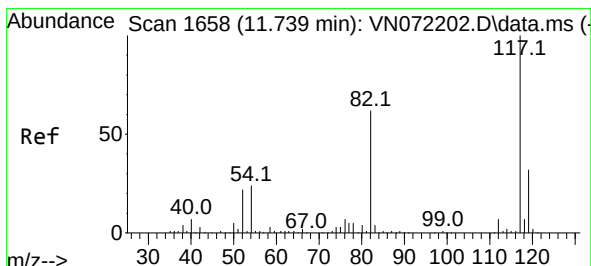
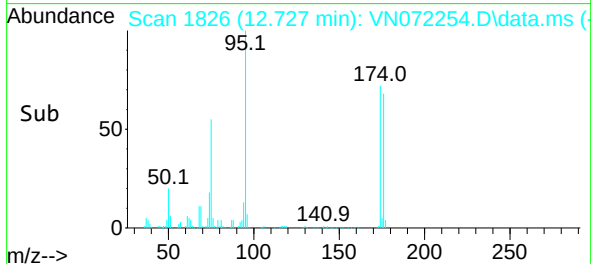
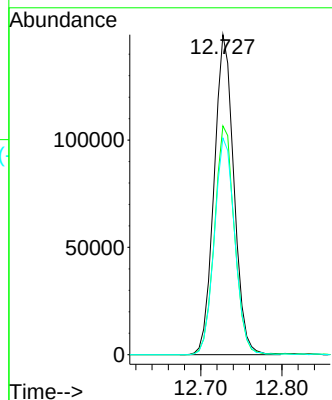
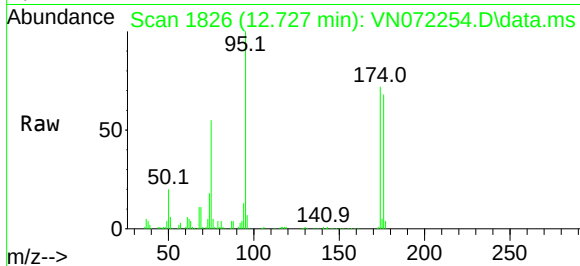




#62
4-Bromofluorobenzene
Concen: 59.908 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

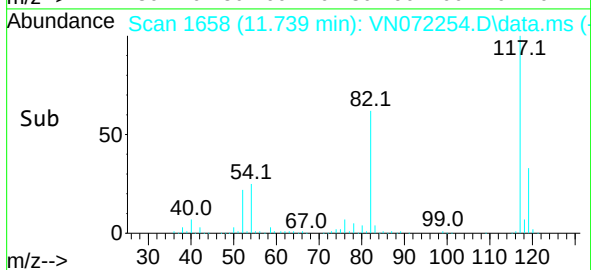
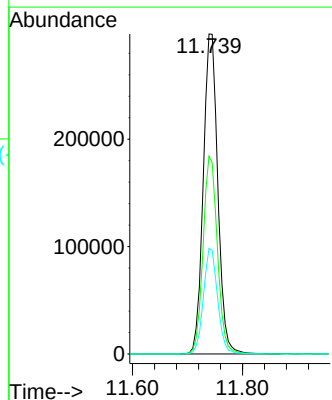
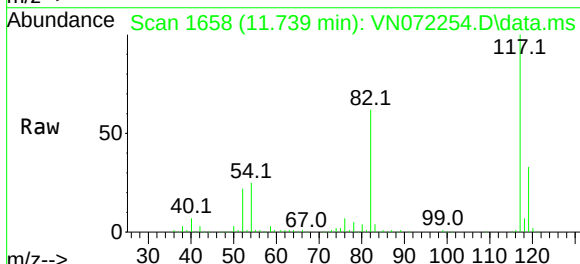
Instrument :
MSVOA_N
ClientSampleId :
MW-18I

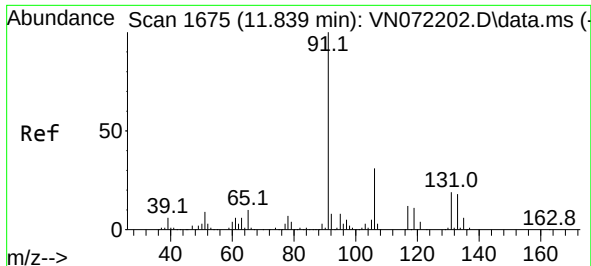
Tgt Ion: 95 Resp: 252431
Ion Ratio Lower Upper
95 100
174 72.1 0.0 167.6
176 69.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Tgt Ion: 117 Resp: 547222
Ion Ratio Lower Upper
117 100
82 61.8 44.2 66.2
119 33.0 25.4 38.0

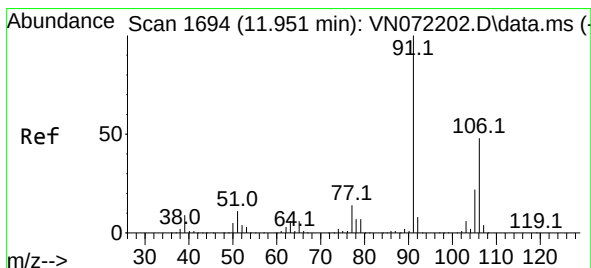
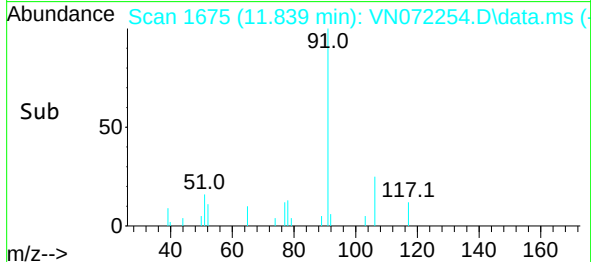
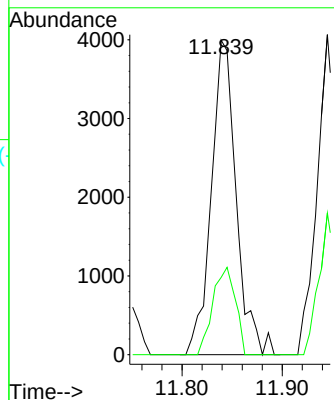
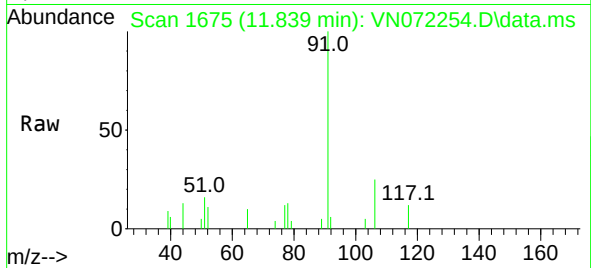




#67
Ethyl Benzene
Concen: 0.358 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

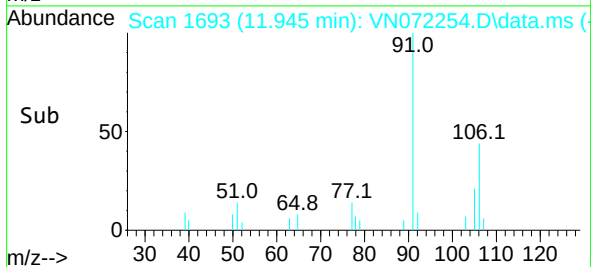
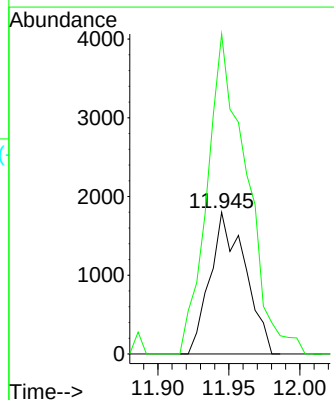
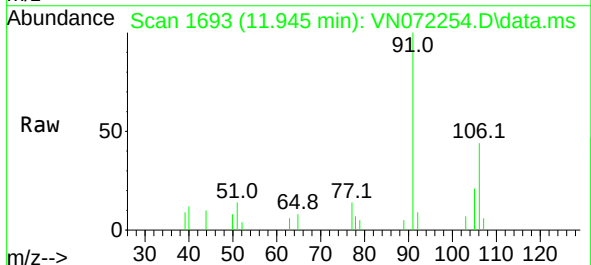
Instrument :
MSVOA_N
ClientSampleId :
MW-18I

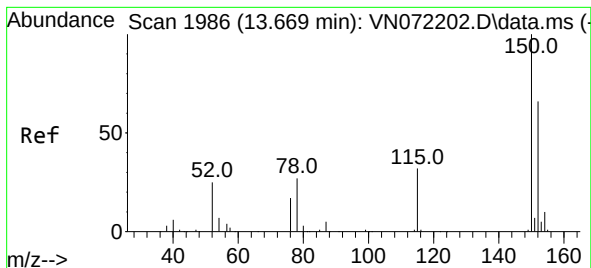
Tgt Ion: 91 Resp: 6904
Ion Ratio Lower Upper
91 100
106 24.6 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.431 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Tgt Ion: 106 Resp: 3089
Ion Ratio Lower Upper
106 100
91 253.5 158.9 238.3#

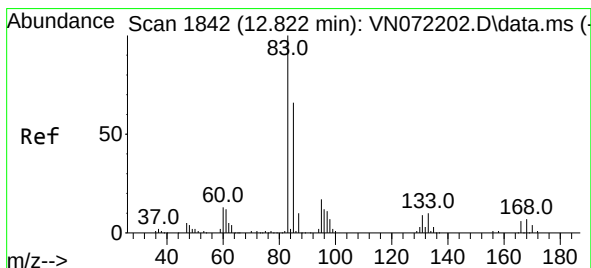
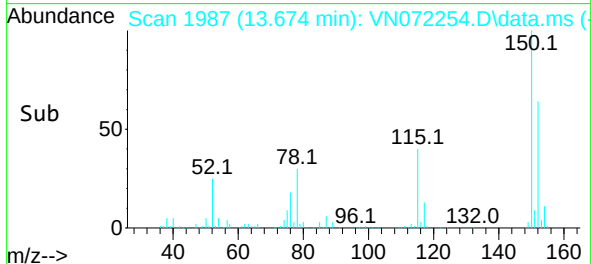
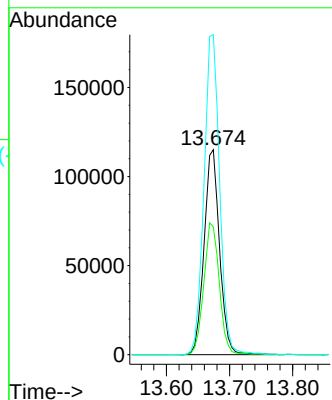
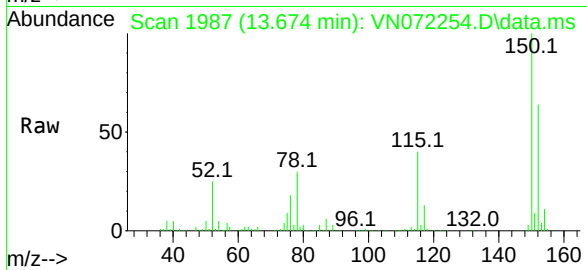




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.005 min
 Lab File: VN072254.D
 Acq: 28 Apr 2022 21:49

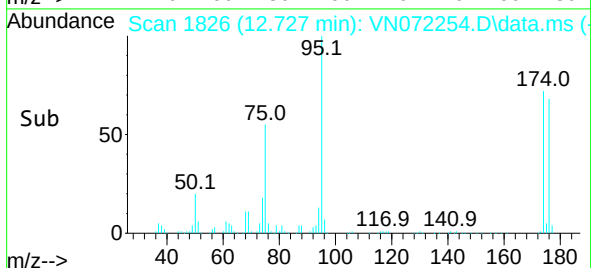
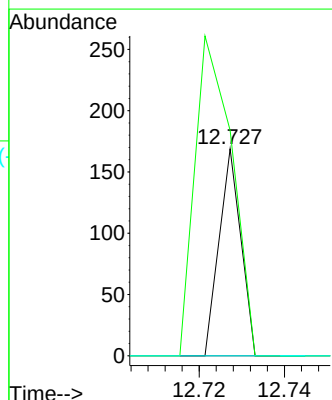
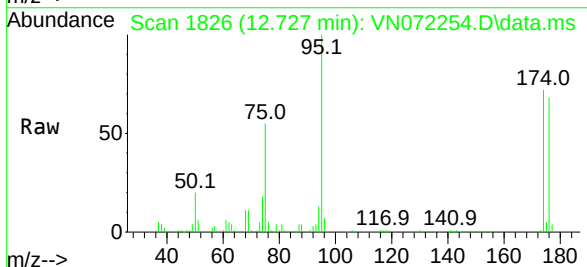
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18I

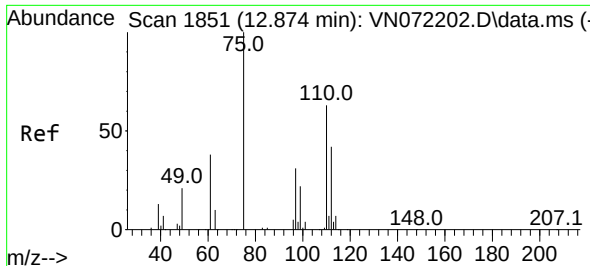
Tgt Ion:152 Resp: 196407
 Ion Ratio Lower Upper
 152 100
 115 64.5 28.9 86.7
 150 157.6 0.0 356.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.095 min
 Lab File: VN072254.D
 Acq: 28 Apr 2022 21:49

Tgt Ion: 83 Resp: 60
 Ion Ratio Lower Upper
 83 100
 131 261.7 5.3 15.9#
 85 0.0 32.3 96.9#

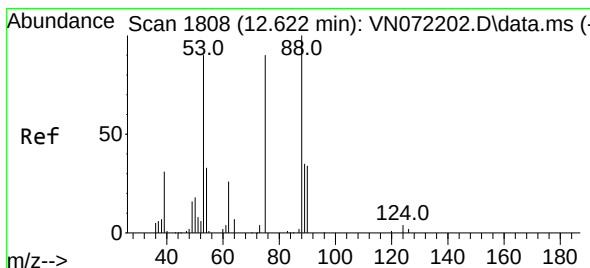
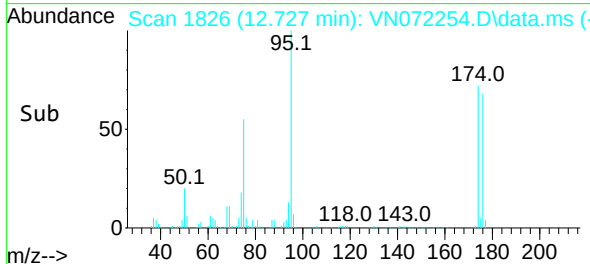
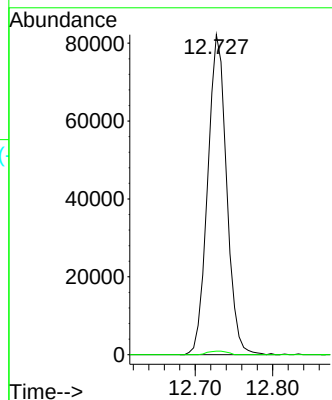
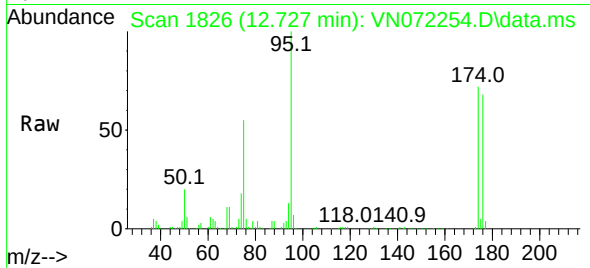




#76
1,2,3-Trichloropropane
Concen: 31.647 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

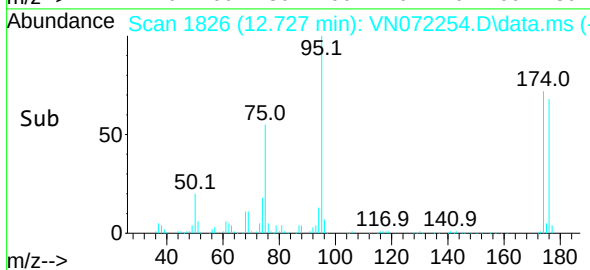
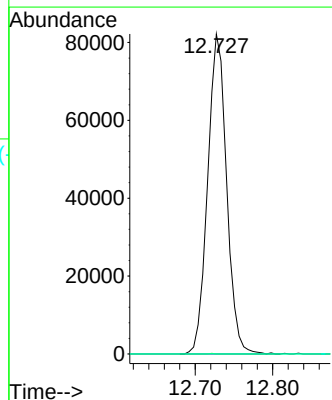
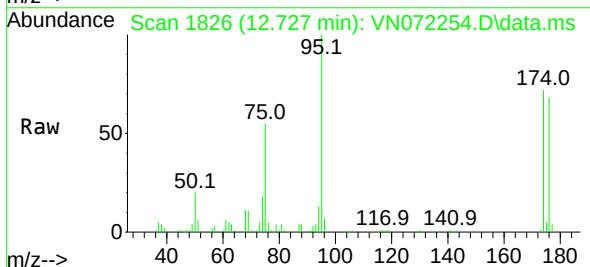
Instrument :
MSVOA_N
ClientSampleId :
MW-181

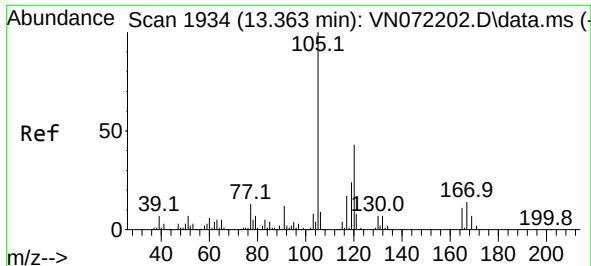
Tgt Ion: 75 Resp: 139700
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.242 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Tgt Ion: 75 Resp: 139700
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

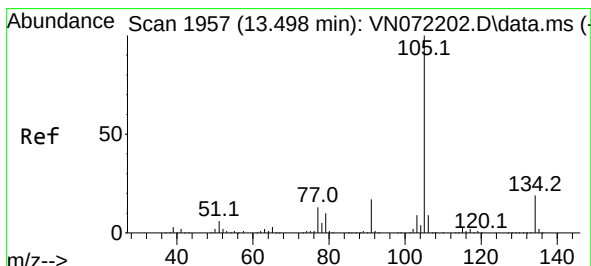
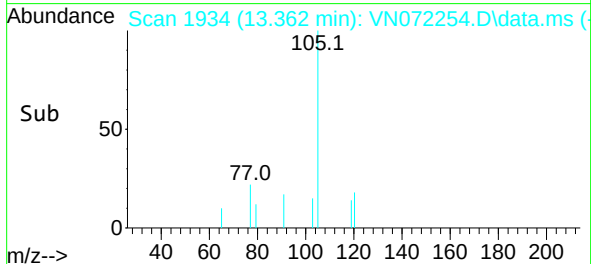
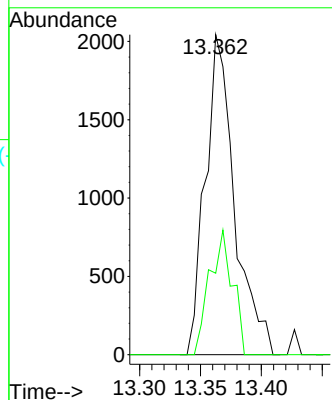
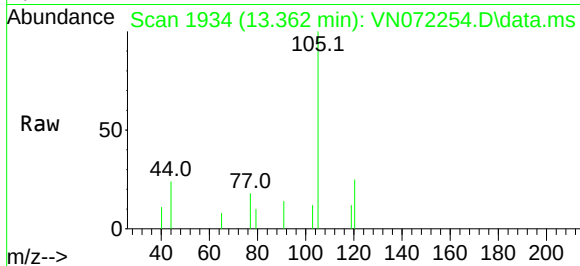




#84
1,2,4-Trimethylbenzene
Concen: 0.244 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

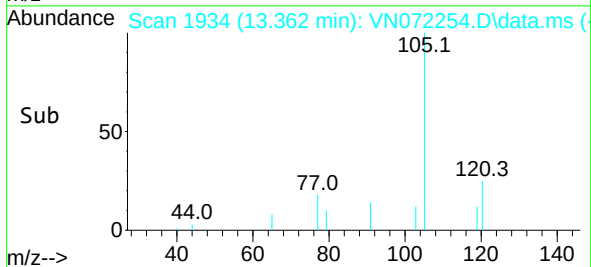
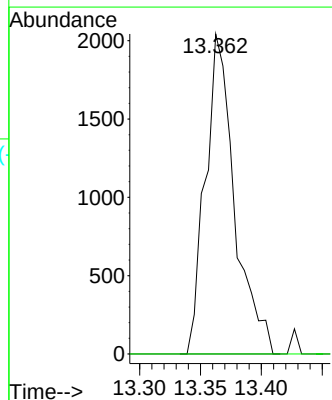
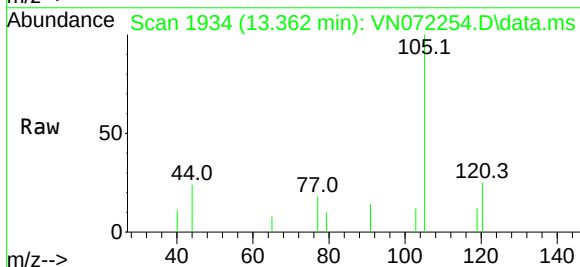
Instrument :
MSVOA_N
ClientSampleId :
MW-18I

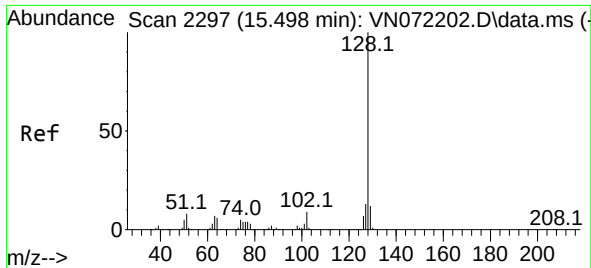
Tgt Ion:105 Resp: 3406
Ion Ratio Lower Upper
105 100
120 30.4 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.206 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.136 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

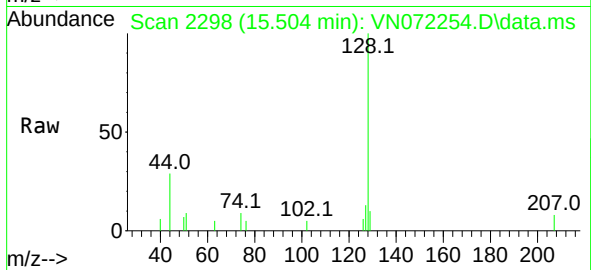
Tgt Ion:105 Resp: 3406
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#95
Naphthalene
Concen: 4.971 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072254.D
Acq: 28 Apr 2022 21:49

Instrument :
MSVOA_N
ClientSampleId :
MW-18I



Tgt Ion:	128	Resp:	7474
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.2	8.6	13.0

