

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062022\
 Data File : VN072957.D
 Acq On : 20 Jun 2022 13:27
 Operator : JC\MD
 Sample : N3357-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Quant Time: Jun 21 05:54:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

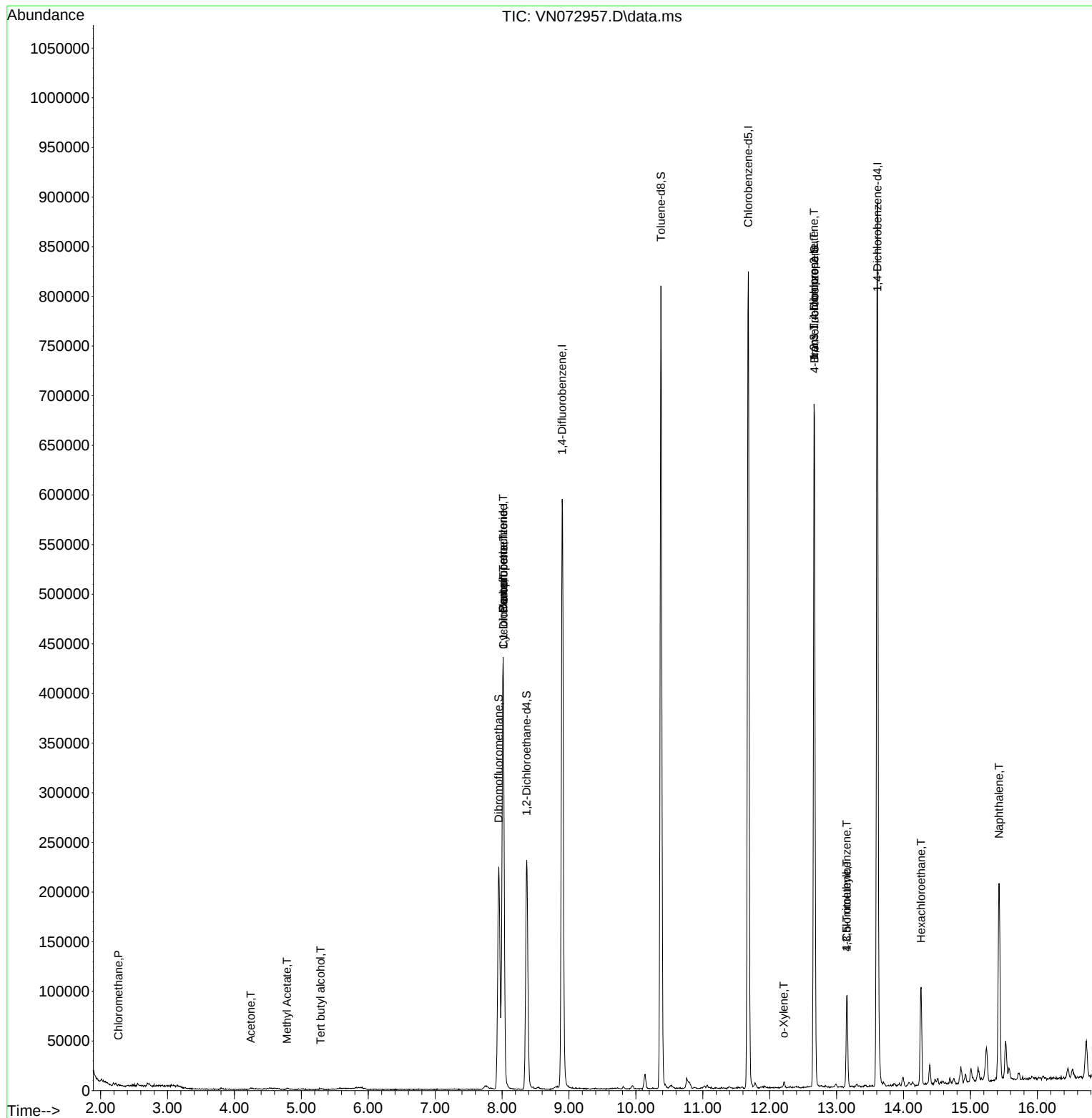
Internal Standards						
1) Pentafluorobenzene	8.016	168	334568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	535354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	482494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	244632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	193454	42.769	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.540%
35) Dibromofluoromethane	7.951	113	169808	51.317	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.640%
50) Toluene-d8	10.375	98	549519	44.630	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.260%
62) 4-Bromofluorobenzene	12.668	95	243575	55.014	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.020%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	377	0.678	ug/l	95
11) Tert butyl alcohol	5.287	59	1515	1.297	ug/l #	72
16) Acetone	4.245	43	2780	1.118	ug/l	94
18) Methyl Acetate	4.787	43	2330	0.352	ug/l #	48
20) Methylene Chloride	5.004	84	80	Below Cal	#	10
31) Cyclohexane	8.022	56	7127	1.165	ug/l #	19
36) 1,1-Dichloropropene	8.022	75	24742	5.526	ug/l #	49
38) Carbon Tetrachloride	8.016	117	32718	6.947	ug/l #	16
69) o-Xylene	12.210	106	1609	0.248	ug/l	80
76) 1,2,3-Trichloropropane	12.663	75	124905	21.059	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.151	105	59976	3.858	ug/l	74
81) trans-1,4-Dichloro-2-b...	12.663	75	124905	56.874	ug/l #	10
82) 4-Chlorotoluene	13.151	91	7573	0.594	ug/l #	40
90) Hexachloroethane	14.262	117	48025	16.567	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.598	75	54	Below Cal	#	1
95) Naphthalene	15.427	128	187627	9.928	ug/l	99

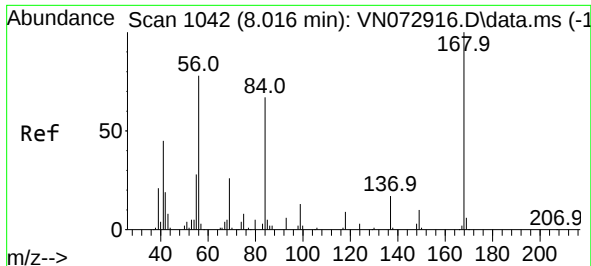
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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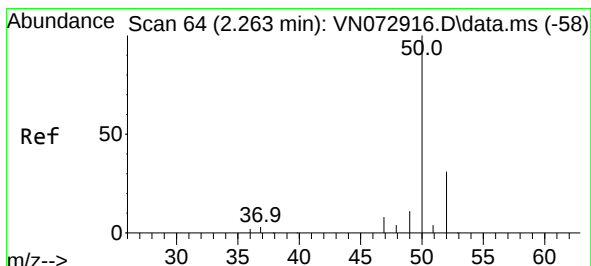
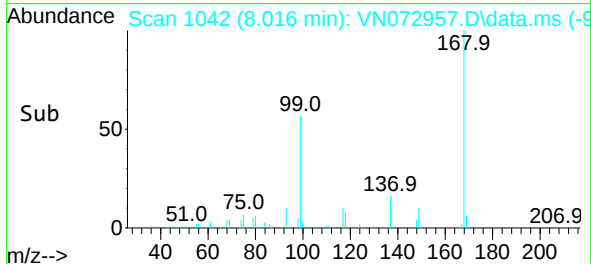
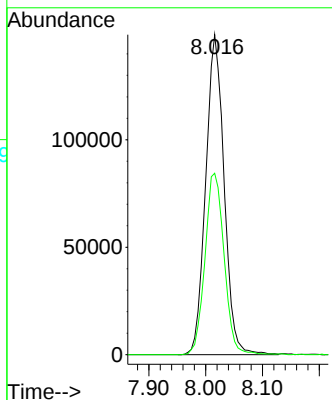
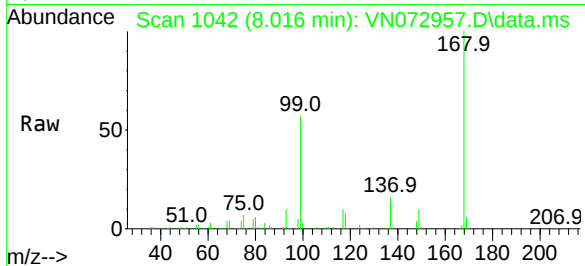




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

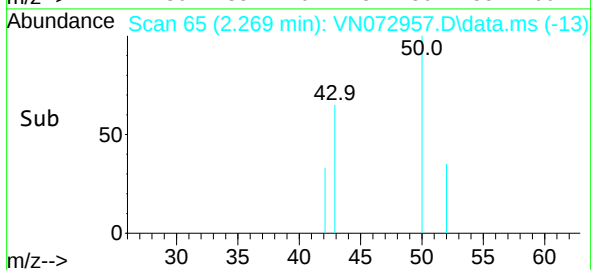
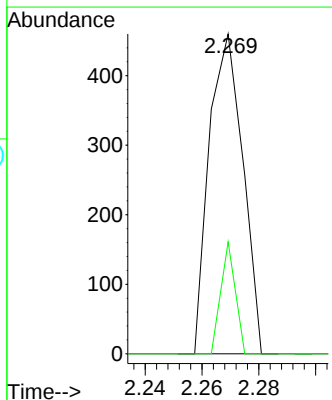
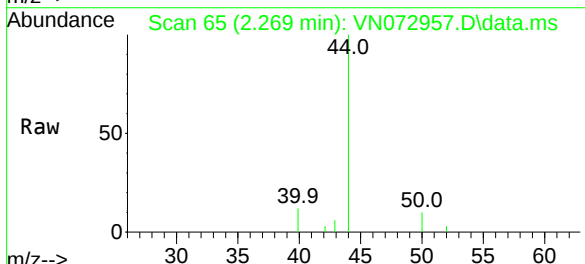
Instrument :
MSVOA_N
ClientSampleId :
MW-12

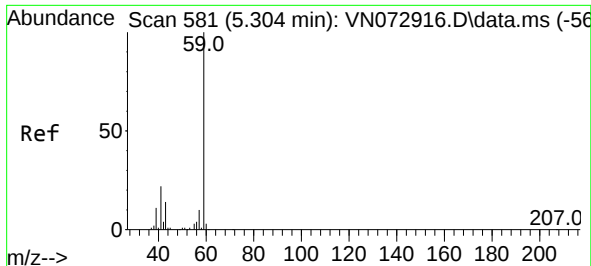
Tgt Ion:168 Resp: 334568
Ion Ratio Lower Upper
168 100
99 56.7 42.3 63.5



#3
Chloromethane
Concen: 0.678 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 35.0 25.7 38.5

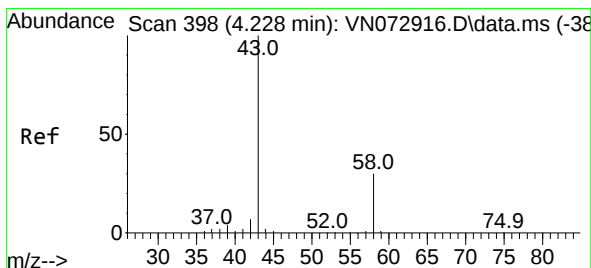
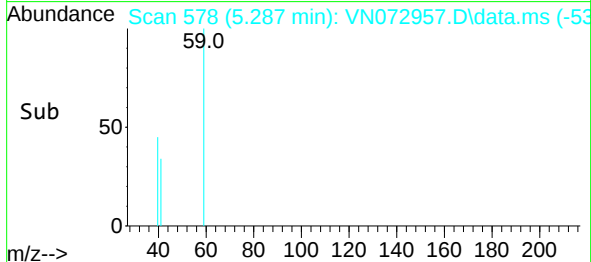
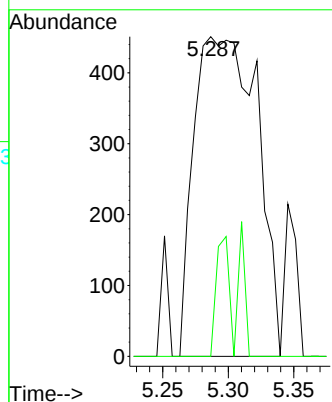
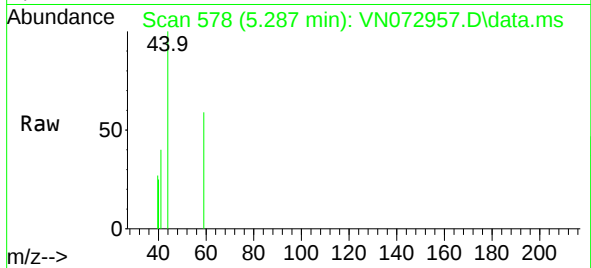




#11
Tert butyl alcohol
Concen: 1.297 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

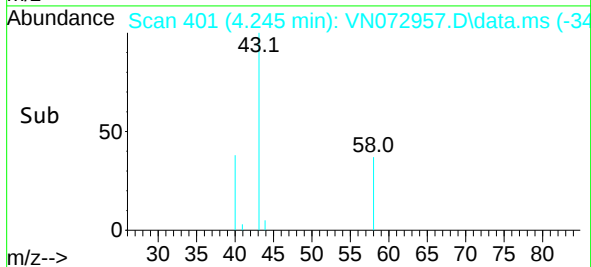
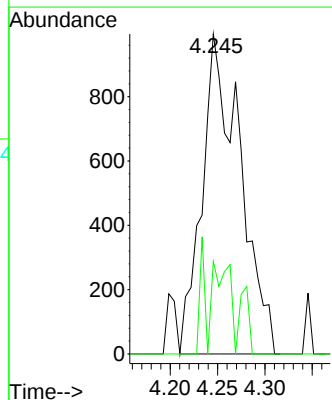
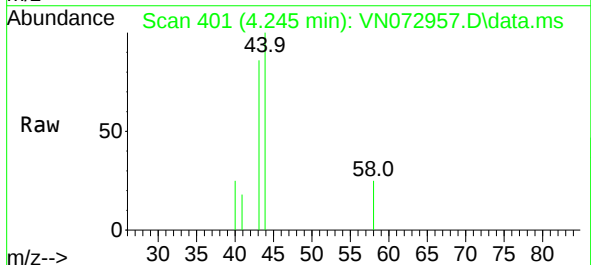
Instrument :
MSVOA_N
ClientSampleId :
MW-12

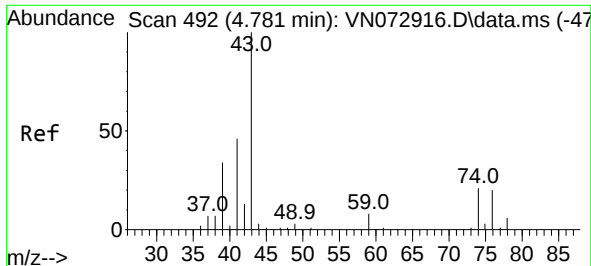
Tgt Ion: 59 Resp: 1515
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.118 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.018 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
58 28.9 26.0 39.0

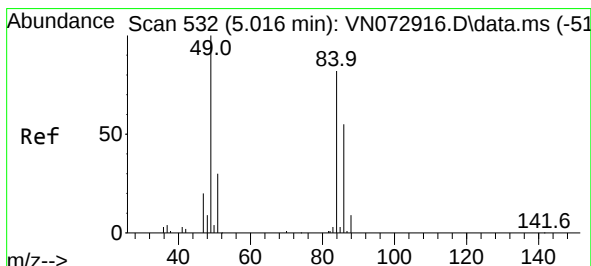
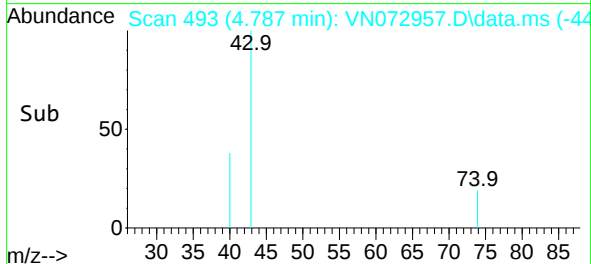
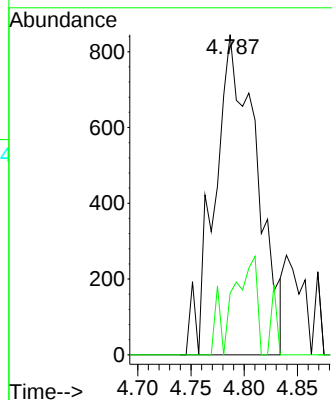
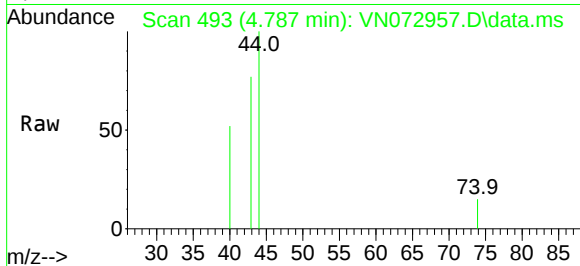




#18
Methyl Acetate
Concen: 0.352 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

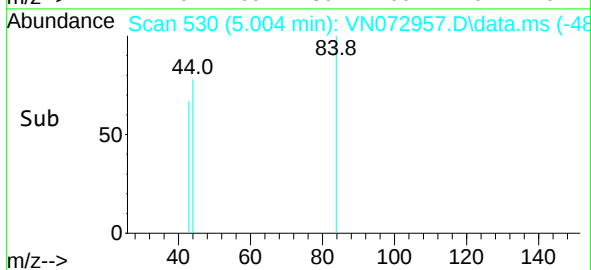
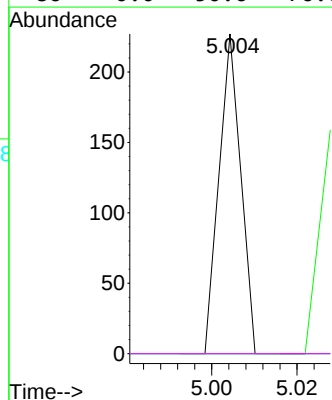
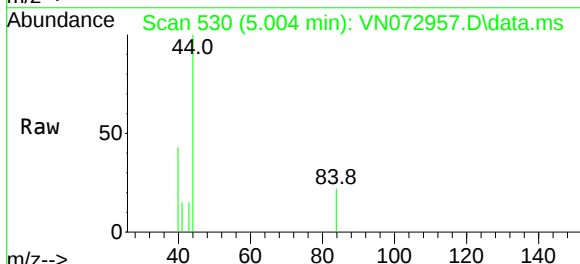
Instrument :
MSVOA_N
ClientSampleId :
MW-12

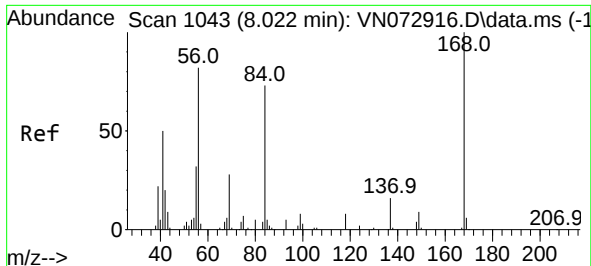
Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 530
Delta R.T. -0.012 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

Tgt Ion: 84 Resp: 80
Ion Ratio Lower Upper
84 100
49 0.0 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#

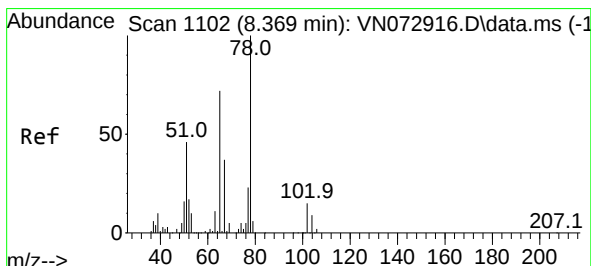
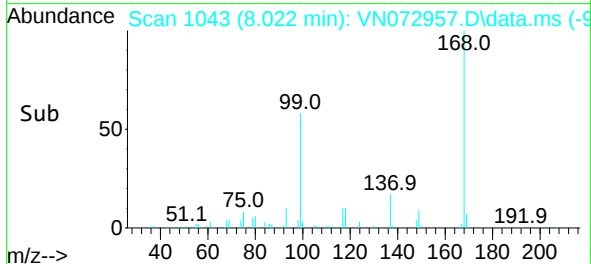
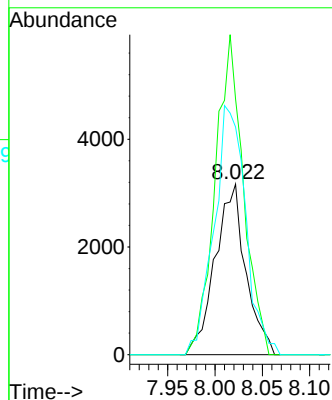
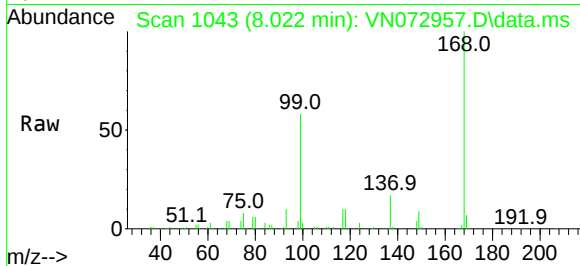




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

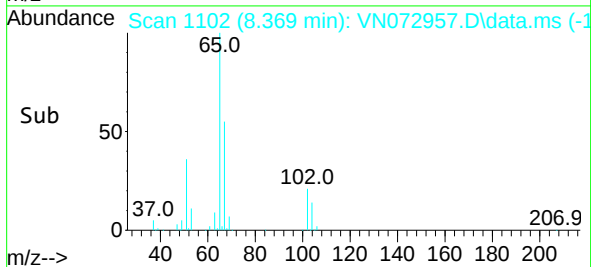
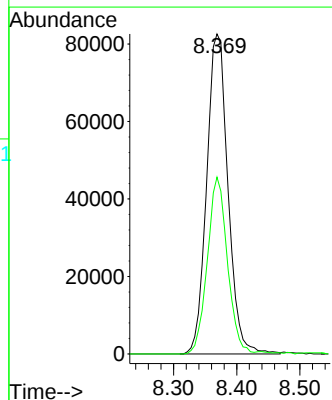
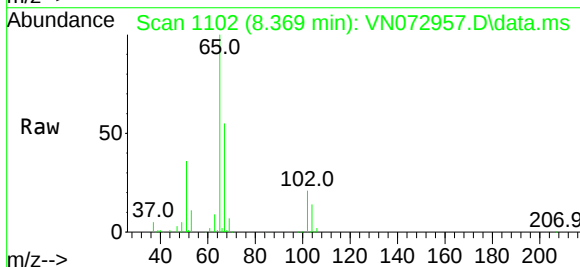
Instrument :
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ClientSampleId :
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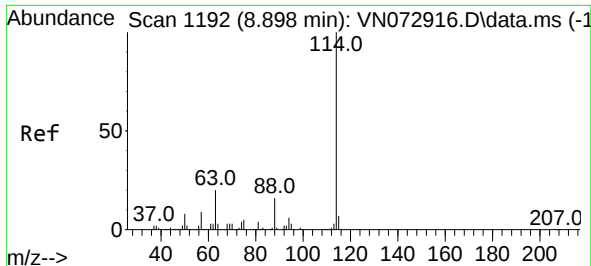
Tgt Ion: 56 Resp: 7127
Ion Ratio Lower Upper
56 100
69 150.0 27.8 41.8#
84 133.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 42.769 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

Tgt Ion: 65 Resp: 193454
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8

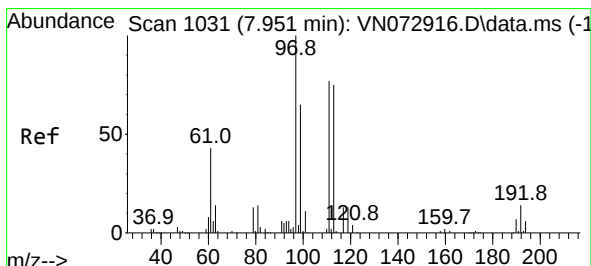
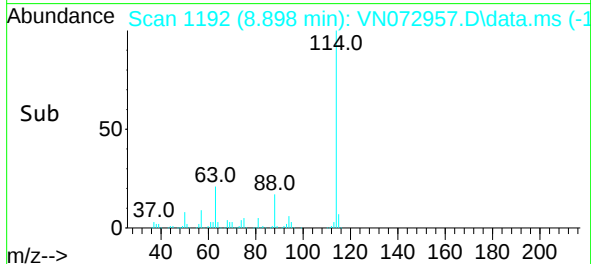
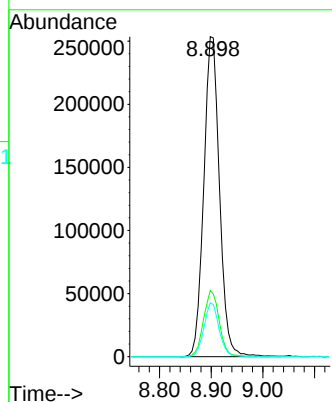
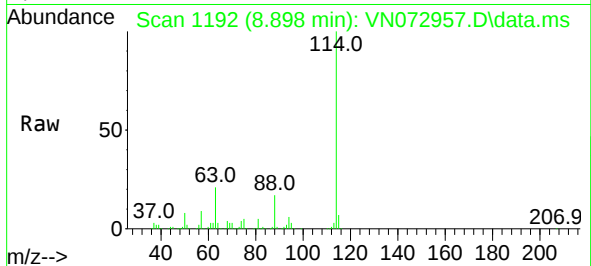




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

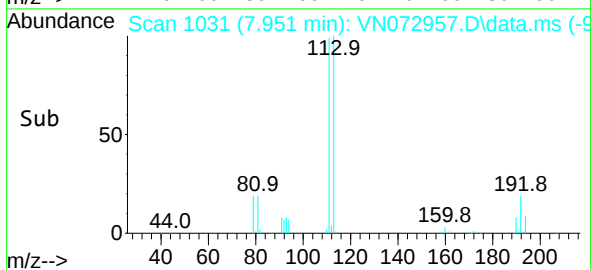
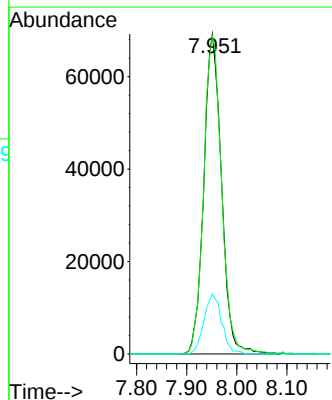
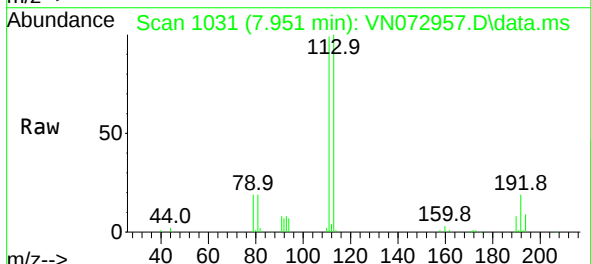
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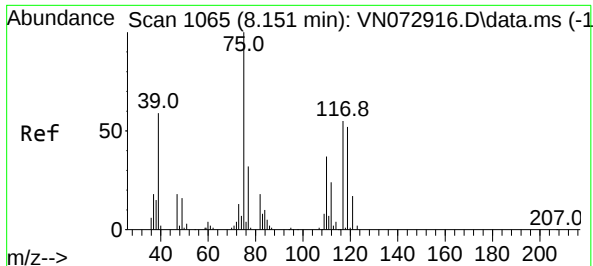
Tgt Ion:114 Resp: 535354
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.0
88 16.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.317 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

Tgt Ion:113 Resp: 169808
Ion Ratio Lower Upper
113 100
111 100.9 81.4 122.0
192 18.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.526 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN072957.D

Acq: 20 Jun 2022 13:27

Instrument :

MSVOA_N

ClientSampleId :

MW-12

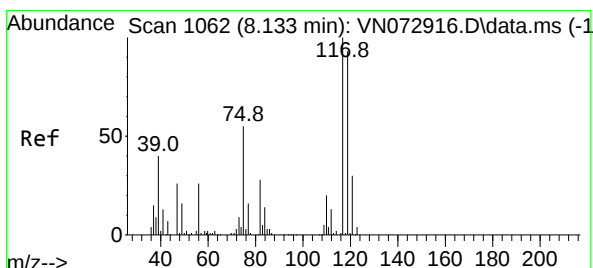
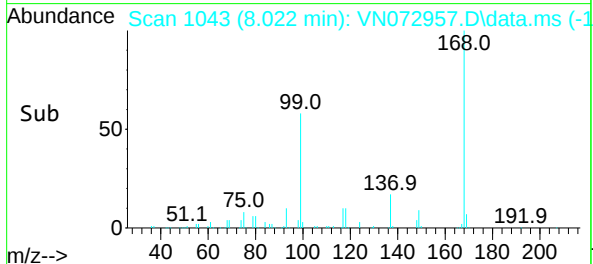
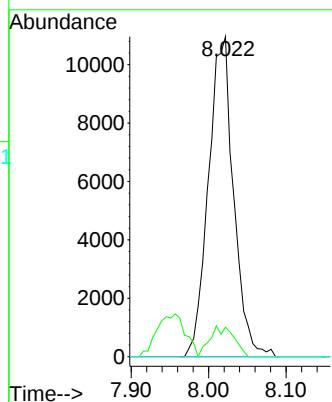
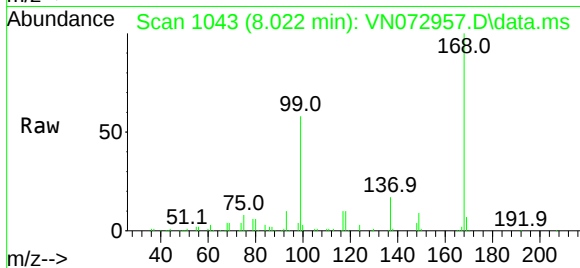
Tgt Ion: 75 Resp: 24742

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.947 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN072957.D

Acq: 20 Jun 2022 13:27

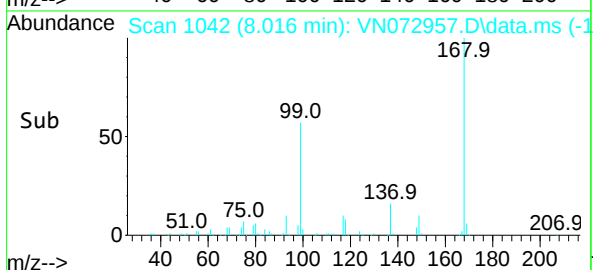
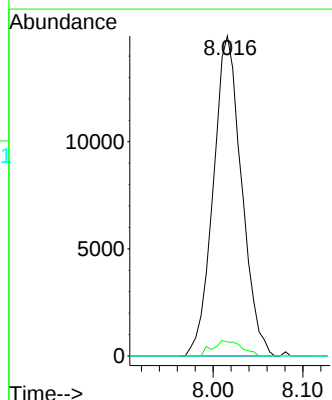
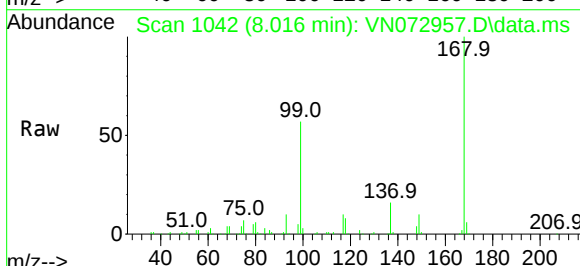
Tgt Ion: 117 Resp: 32718

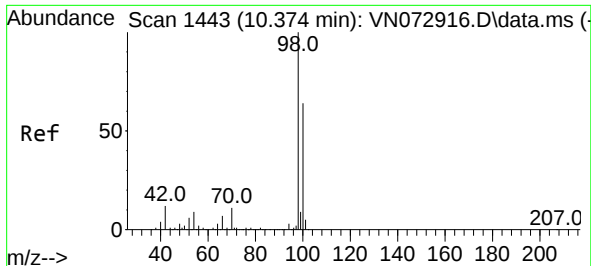
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.0 24.6 37.0#

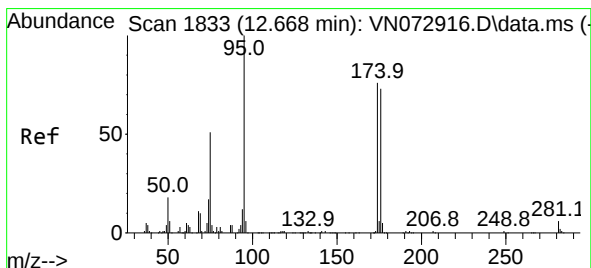
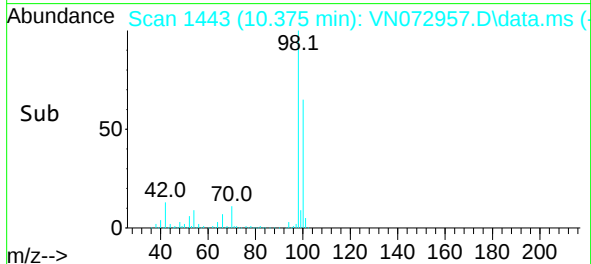
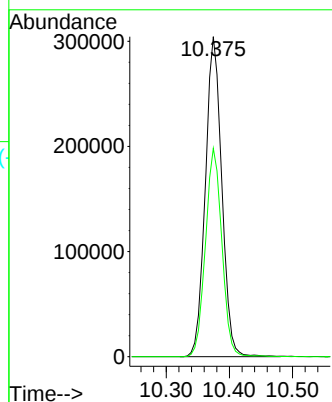
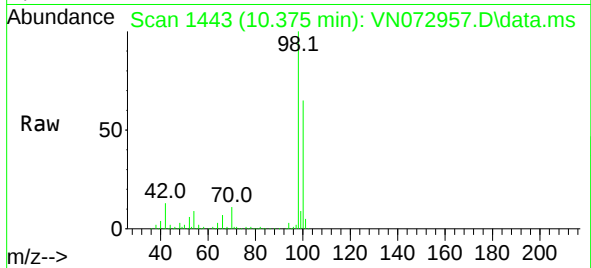




#50
Toluene-d8
Concen: 44.630 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

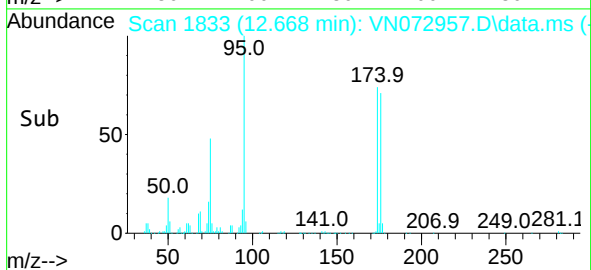
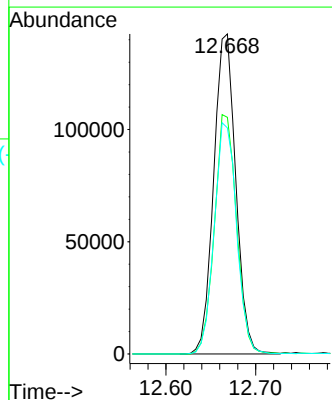
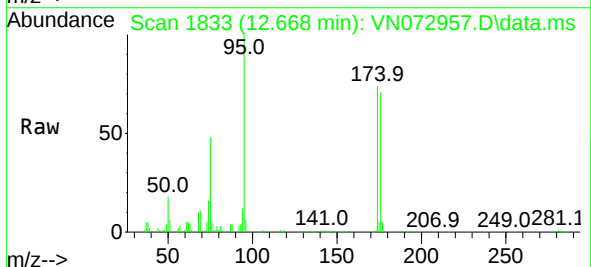
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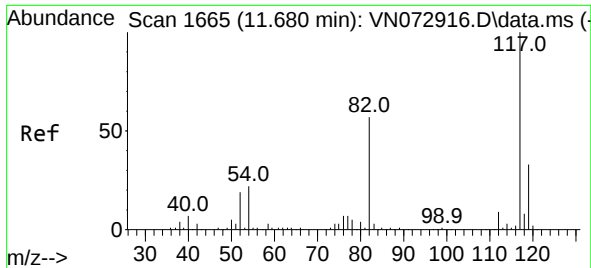
Tgt Ion: 98 Resp: 549519
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 55.014 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

Tgt Ion: 95 Resp: 243575
Ion Ratio Lower Upper
95 100
174 75.0 0.0 167.6
176 73.2 0.0 163.4

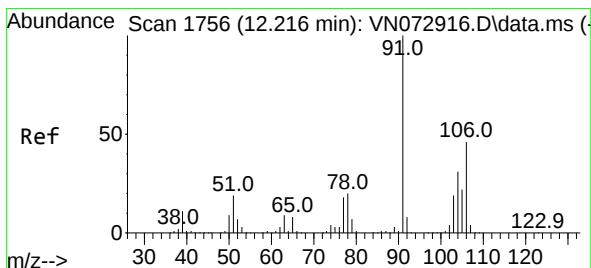
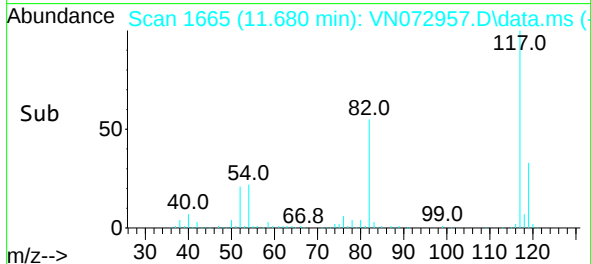
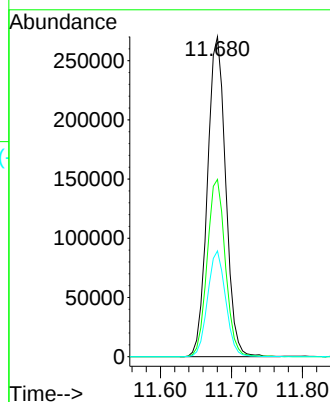
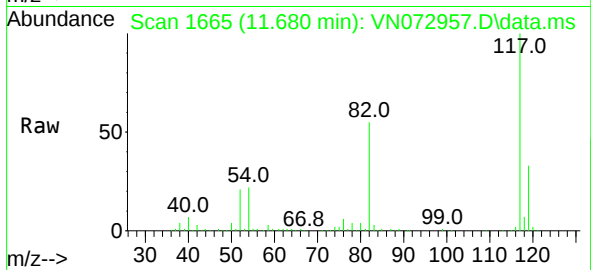




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

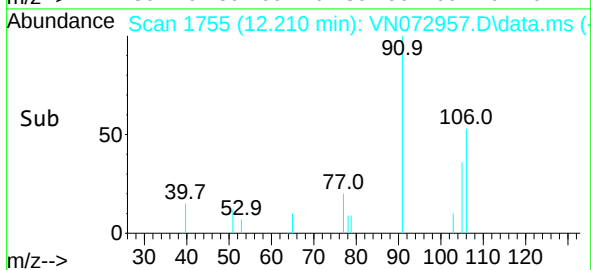
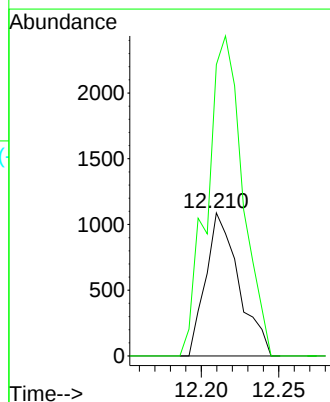
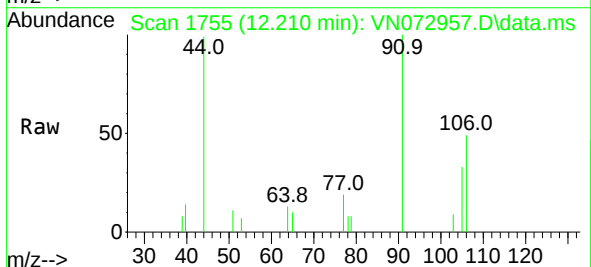
Instrument :
MSVOA_N
ClientSampleId :
MW-12

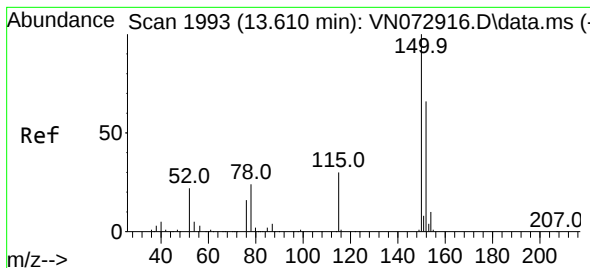
Tgt Ion:117 Resp: 482494
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 33.0 25.4 38.0



#69
o-Xylene
Concen: 0.248 ug/l
RT: 12.210 min Scan# 1755
Delta R.T. -0.006 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

Tgt Ion:106 Resp: 1609
Ion Ratio Lower Upper
106 100
91 242.9 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN072957.D

Acq: 20 Jun 2022 13:27

Instrument :

MSVOA_N

ClientSampleId :

MW-12

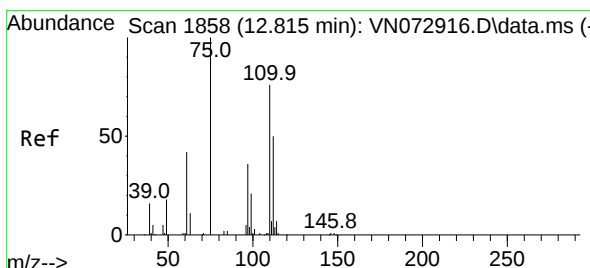
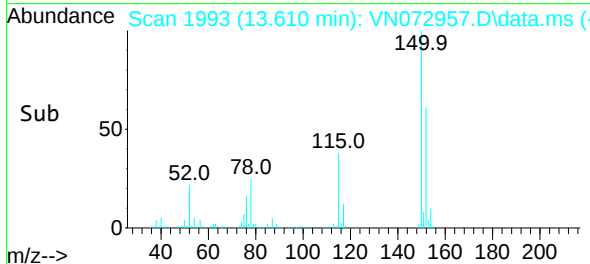
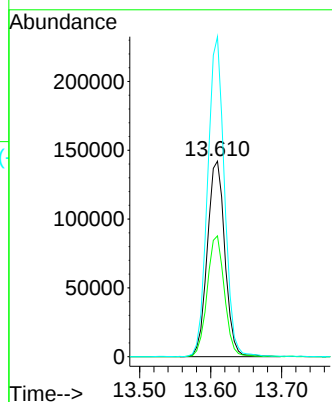
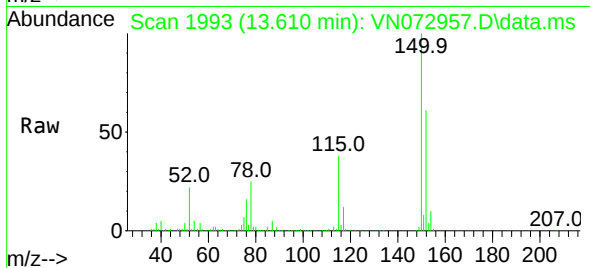
Tgt Ion:152 Resp: 244632

Ion Ratio Lower Upper

152 100

115 60.9 28.9 86.7

150 156.8 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 21.059 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. -0.153 min

Lab File: VN072957.D

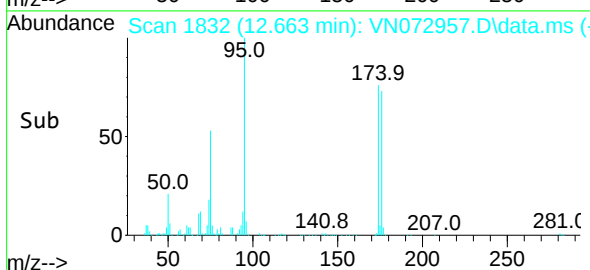
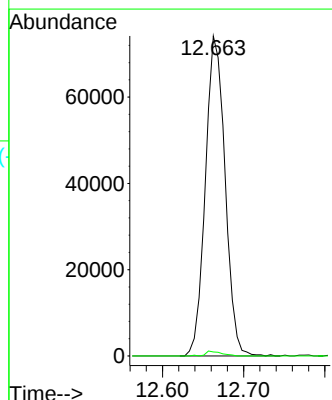
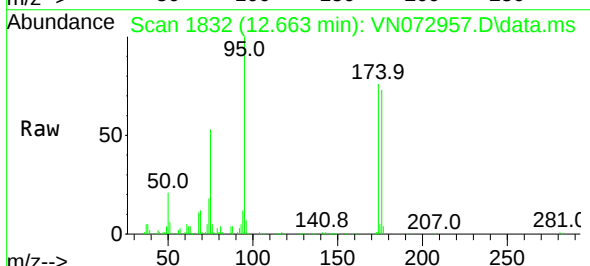
Acq: 20 Jun 2022 13:27

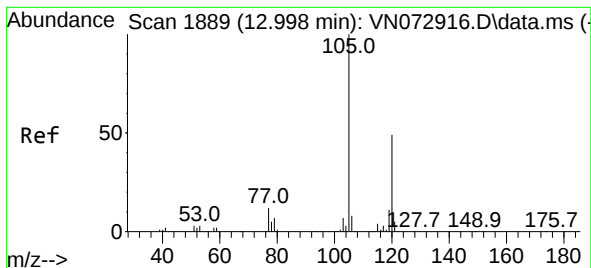
Tgt Ion: 75 Resp: 124905

Ion Ratio Lower Upper

75 100

77 1.2 98.5 295.5#





#80

1,3,5-Trimethylbenzene

Concen: 3.858 ug/l

RT: 13.151 min Scan# 1915

Delta R.T. 0.153 min

Lab File: VN072957.D

Acq: 20 Jun 2022 13:27

Instrument :

MSVOA_N

ClientSampleId :

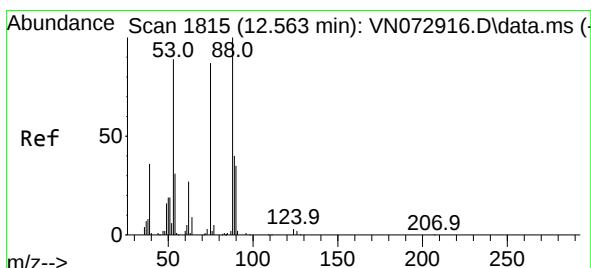
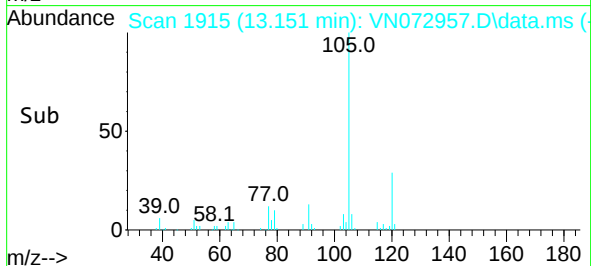
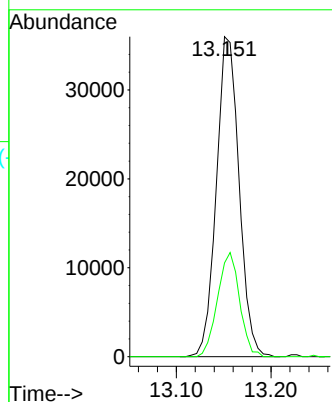
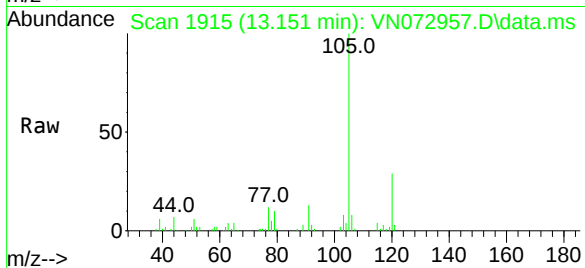
MW-12

Tgt Ion:105 Resp: 59976

Ion Ratio Lower Upper

105 100

120 31.6 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 56.874 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. 0.100 min

Lab File: VN072957.D

Acq: 20 Jun 2022 13:27

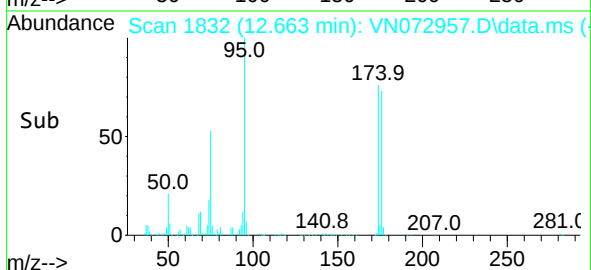
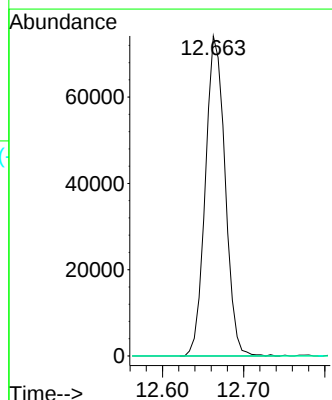
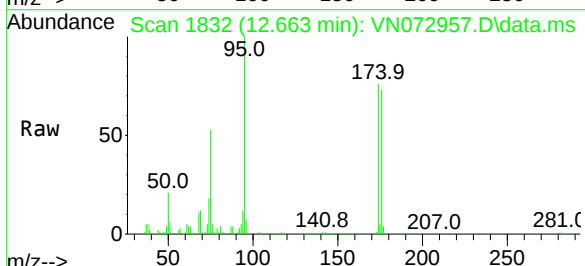
Tgt Ion: 75 Resp: 124905

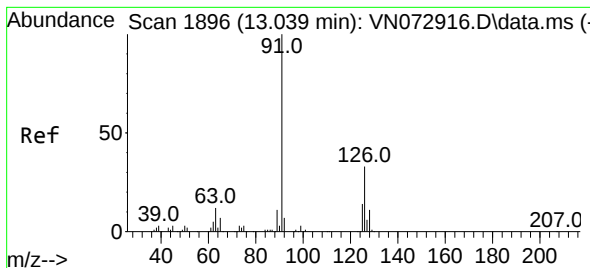
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 0.594 ug/l

RT: 13.151 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN072957.D

Acq: 20 Jun 2022 13:27

Instrument :

MSVOA_N

ClientSampleId :

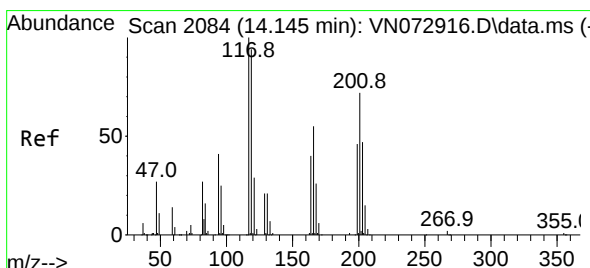
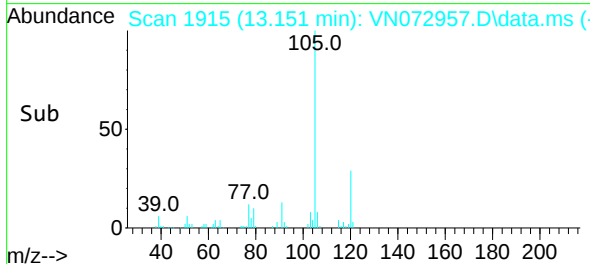
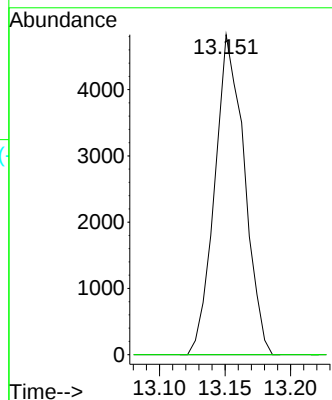
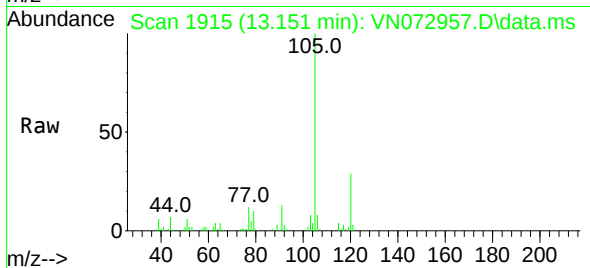
MW-12

Tgt Ion: 91 Resp: 7573

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#90

Hexachloroethane

Concen: 16.567 ug/l

RT: 14.262 min Scan# 2104

Delta R.T. 0.118 min

Lab File: VN072957.D

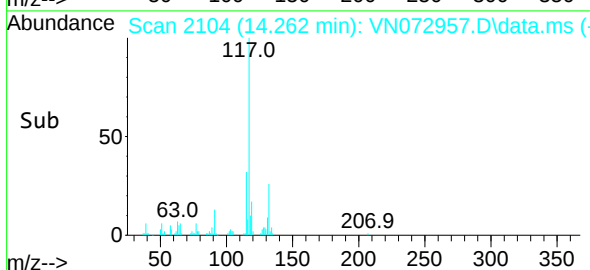
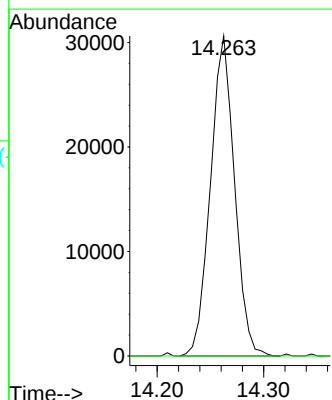
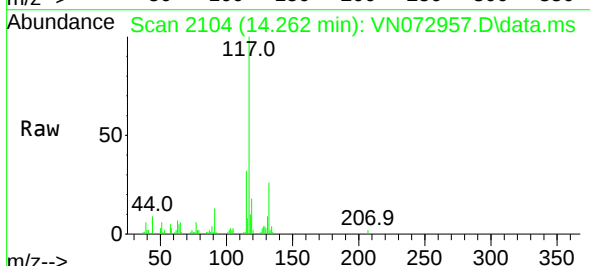
Acq: 20 Jun 2022 13:27

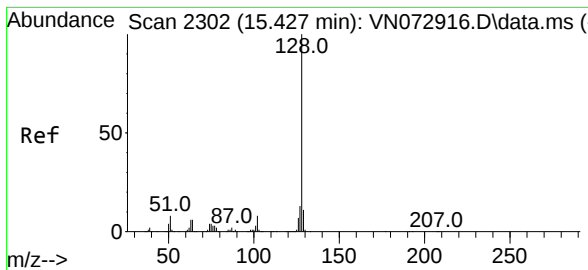
Tgt Ion: 117 Resp: 48025

Ion Ratio Lower Upper

117 100

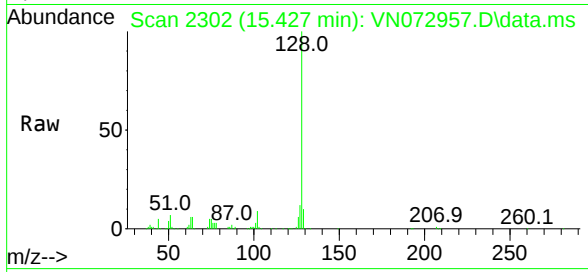
201 0.0 40.6 122.0#





#95
Naphthalene
Concen: 9.928 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN072957.D
Acq: 20 Jun 2022 13:27

Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:	128	Resp:	187627
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.2	8.6	13.0

