

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058657.D
 Acq On : 9 Oct 2019 21:44
 Operator : JC/SP
 Sample : K5184-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Oct 10 04:42:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	395367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	640658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	213321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	287408	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	7.57	113	208752	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
50) Toluene-d8	10.09	98	805620	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.40	95	258804	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

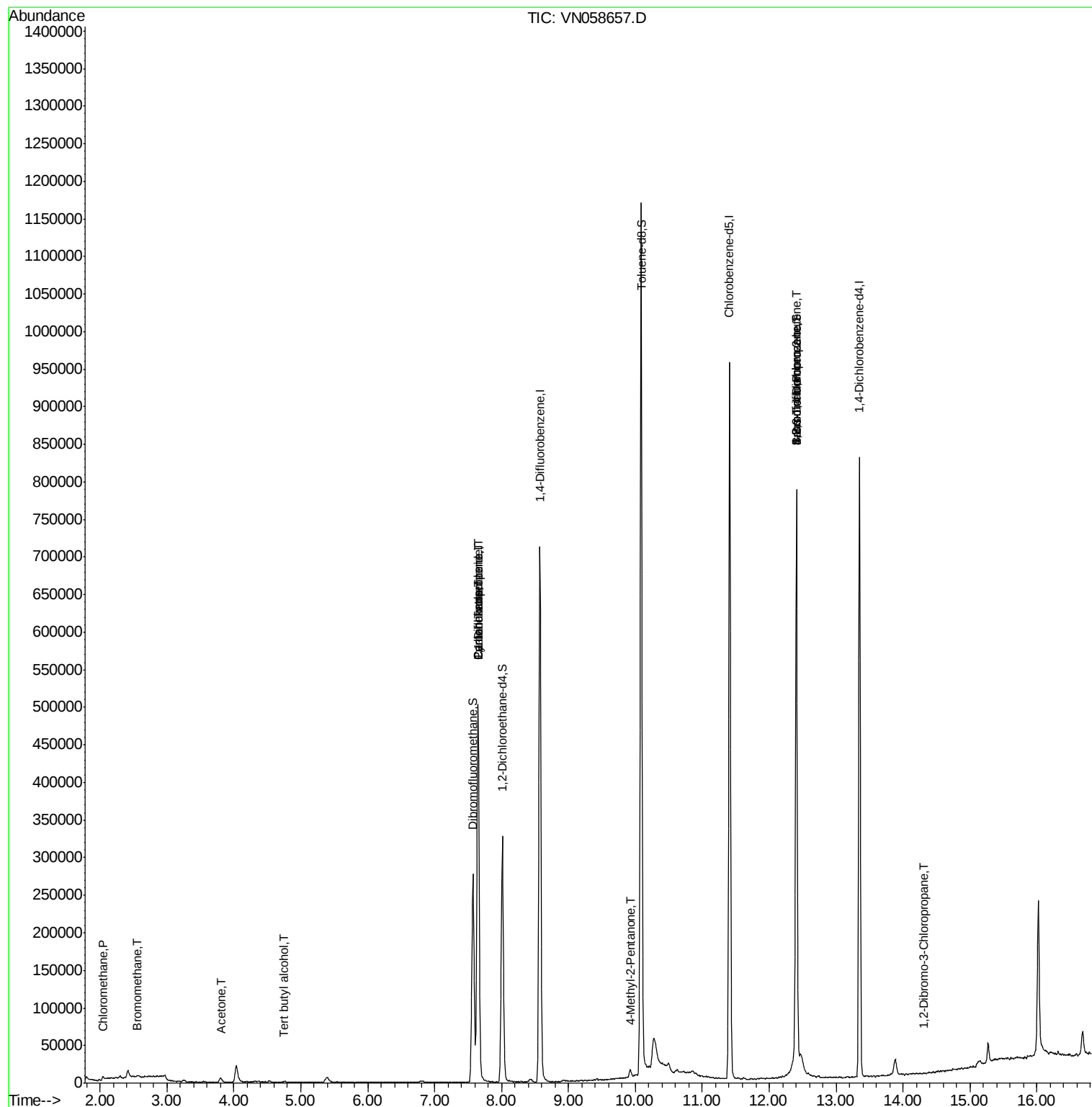
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	3763	0.790	ug/l	99
5) Bromomethane	2.55	94	690	0.278	ug/l	84
11) Tert butyl alcohol	4.74	59	691	1.077	ug/l #	71
16) Acetone	3.80	43	9639	4.894	ug/l	95
31) Cyclohexane	7.64	56	9493	1.187	ug/l #	34
36) 1,1-Dichloropropene	7.64	75	33345	5.443	ug/l #	46
38) Carbon Tetrachloride	7.65	117	39850	7.207	ug/l #	16
51) 4-Methyl-2-Pentanone	9.92	43	5345	1.065	ug/l #	37
60) Dibromochloromethane	10.64	129	68	Below Cal	#	11
71) Bromoform	12.41	173	1692	1.345	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	139007	35.676	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	139007	108.354	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.29	75	259	0.315	ug/l #	5

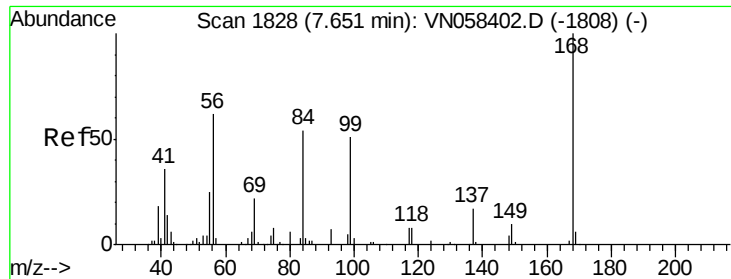
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

Instrument :

MSVOA_N

ClientSampled :

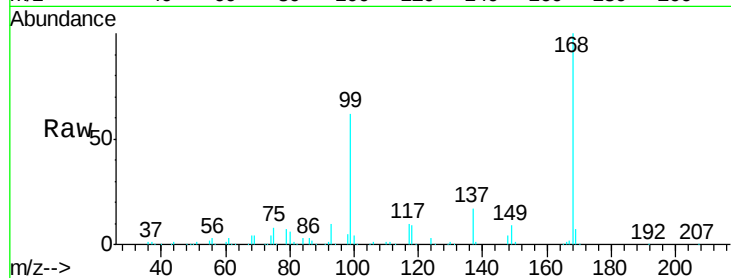
MW-6

Tgt Ion:168 Resp: 395367

Ion Ratio Lower Upper

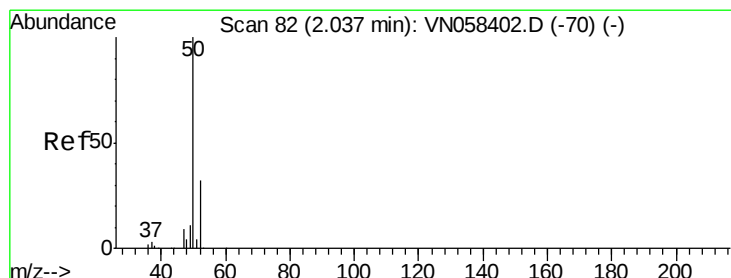
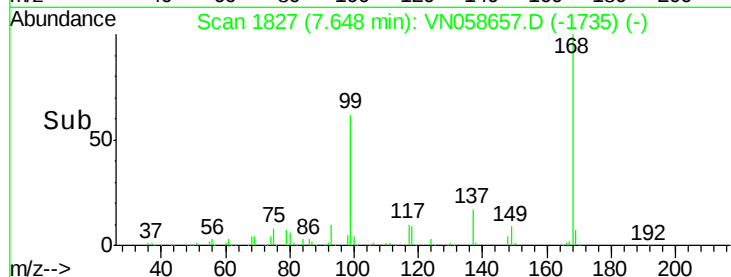
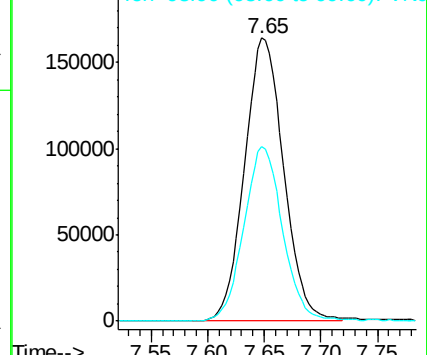
168 100

99 61.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.790 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058657.D

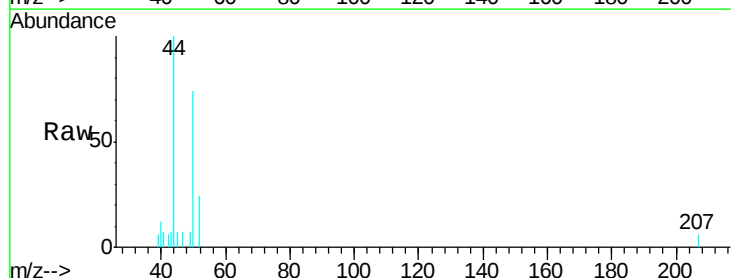
Acq: 9 Oct 2019 21:44

Tgt Ion: 50 Resp: 3763

Ion Ratio Lower Upper

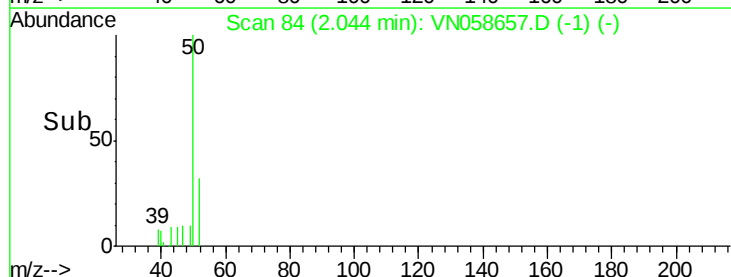
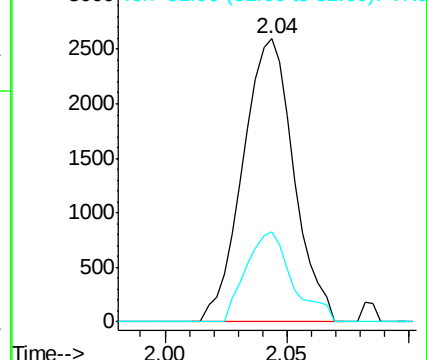
50 100

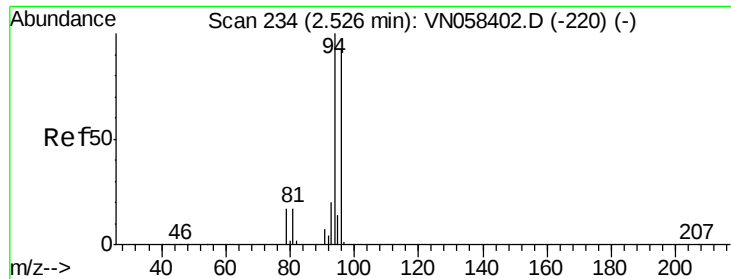
52 31.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.278 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.03 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

Instrument :

MSVOA_N

ClientSampled :

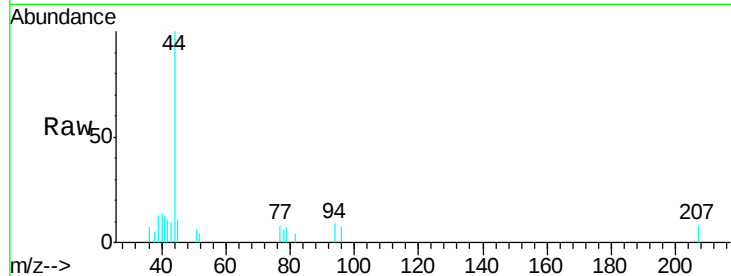
MW-6

Tgt Ion: 94 Resp: 690

Ion Ratio Lower Upper

94 100

96 78.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

300

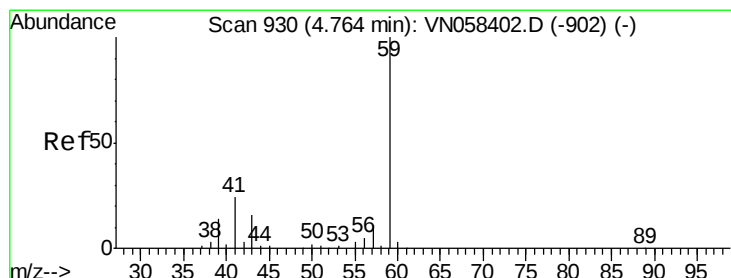
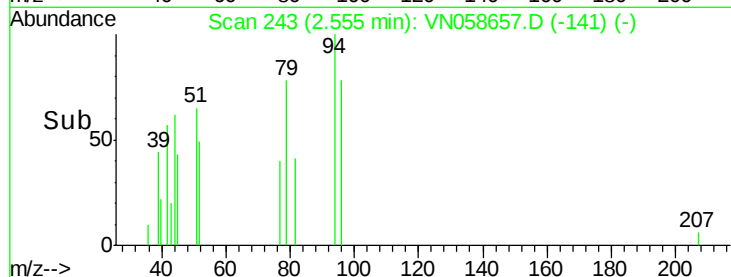
200

100

0

2.52 2.54 2.56 2.58

Time-->



#11

Tert butyl alcohol

Concen: 1.077 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.02 min

Lab File: VN058657.D

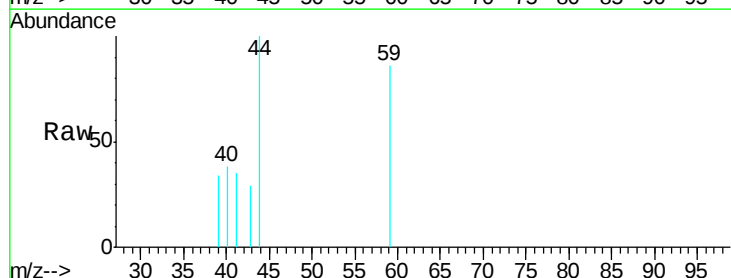
Acq: 9 Oct 2019 21:44

Tgt Ion: 59 Resp: 691

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

600

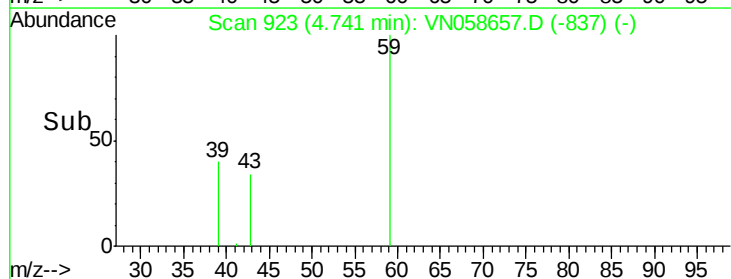
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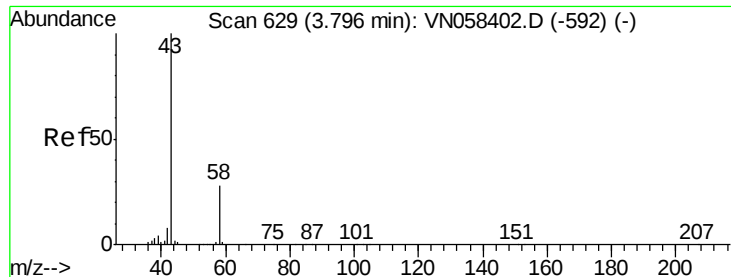
200

0

4.70 4.72 4.74 4.76

Time-->





#16

Acetone

Concen: 4.894 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

Instrument :

MSVOA_N

ClientSampleId :

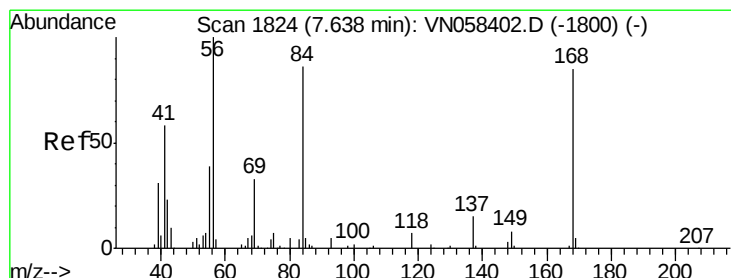
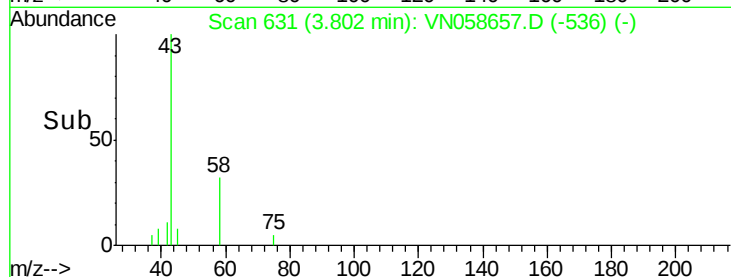
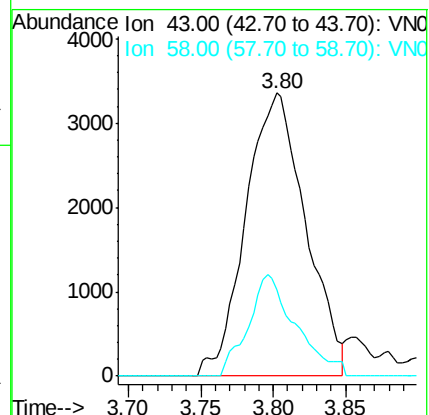
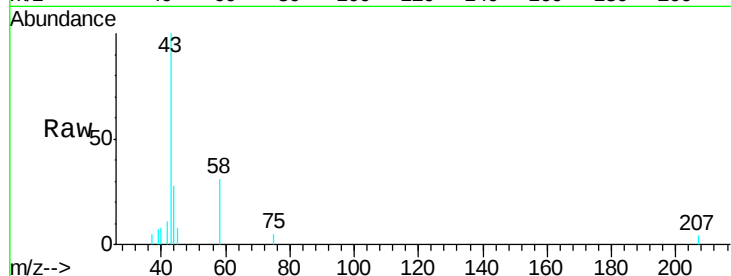
MW-6

Tgt Ion: 43 Resp: 9639

Ion Ratio Lower Upper

43 100

58 30.6 22.4 33.6



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

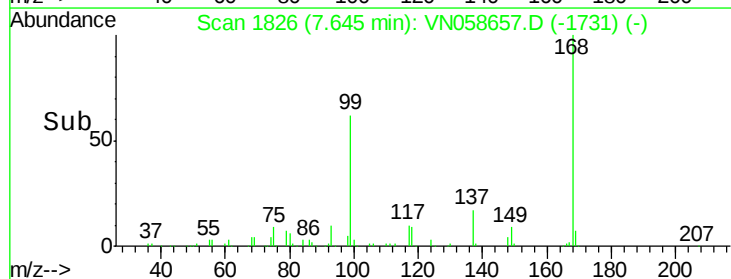
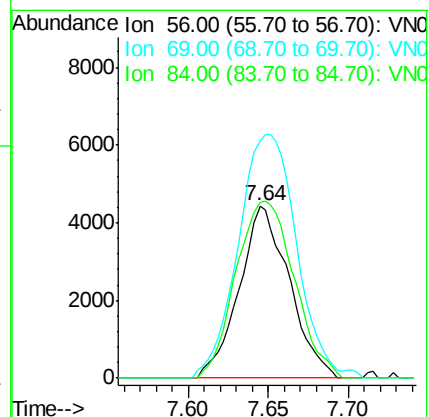
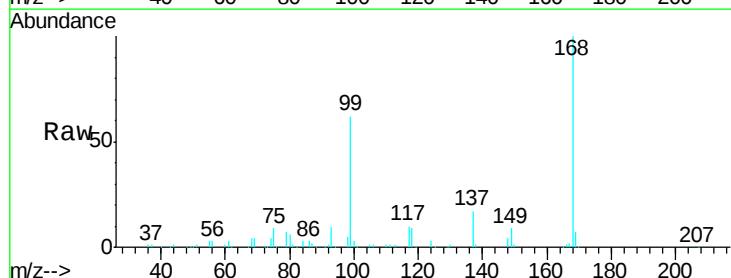
Tgt Ion: 56 Resp: 9493

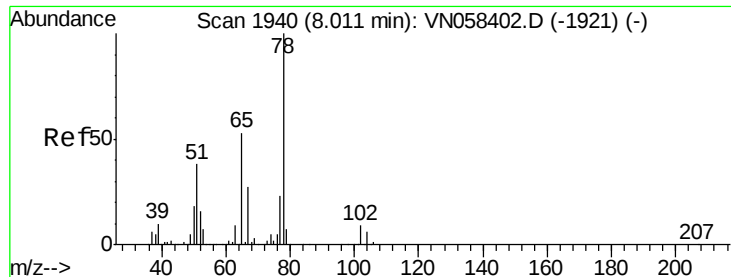
Ion Ratio Lower Upper

56 100

69 137.5 26.2 39.4#

84 101.9 67.6 101.4#

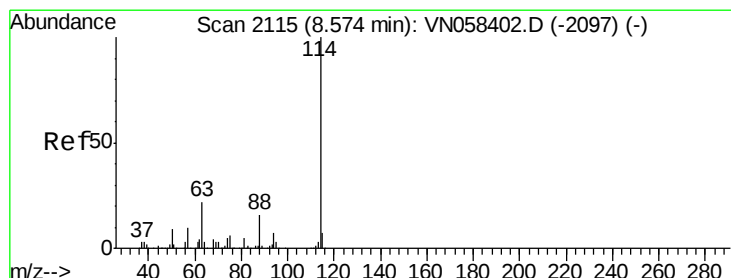
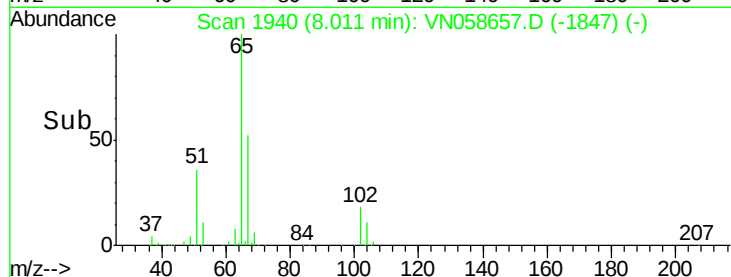
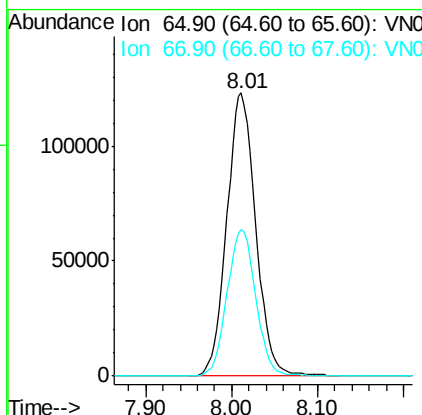
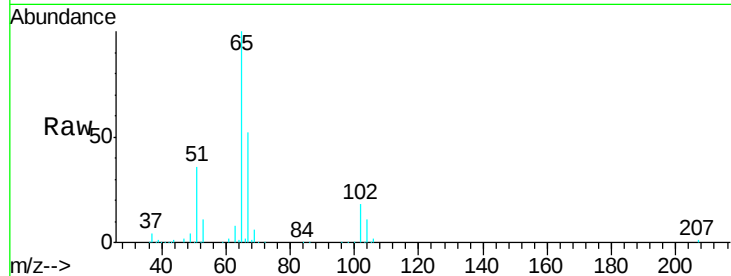




#33
 1,2-Dichloroethane-d4
 Concen: 49.745 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058657.D
 Acq: 9 Oct 2019 21:44

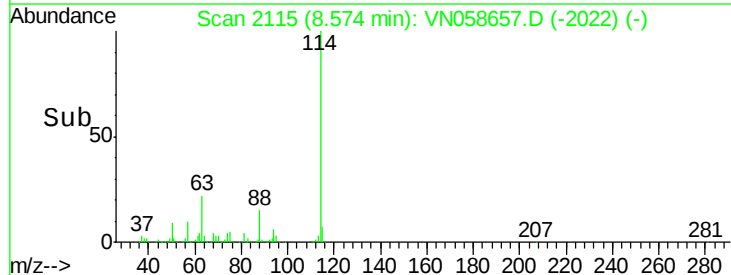
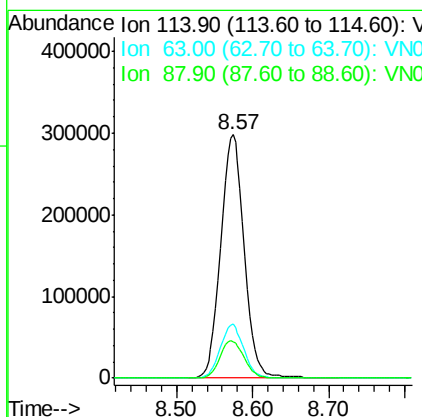
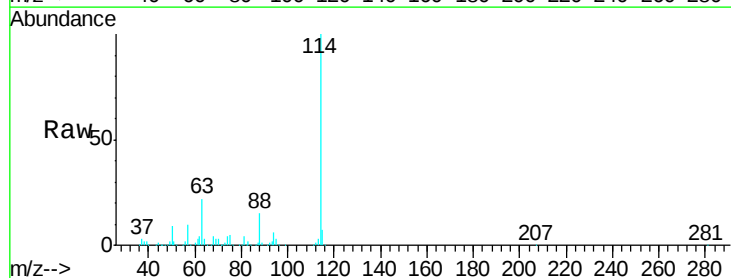
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

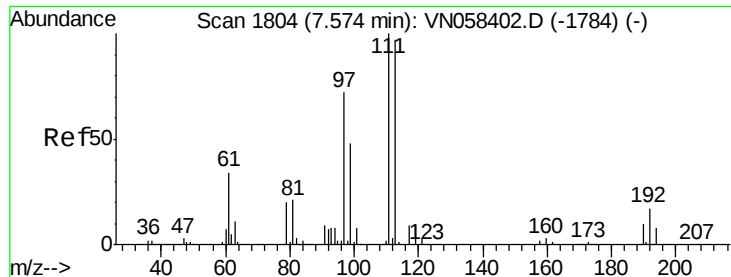
Tgt Ion: 65 Resp: 287408
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058657.D
 Acq: 9 Oct 2019 21:44

Tgt Ion: 114 Resp: 640658
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.0
 88 15.1 0.0 32.2

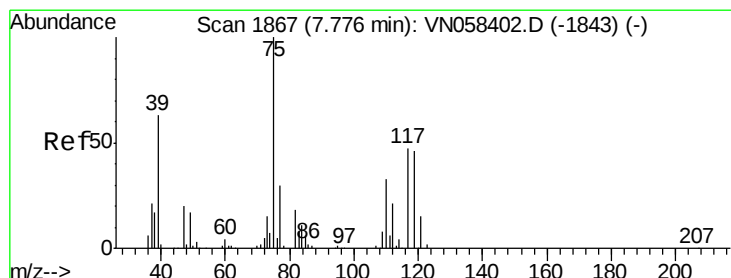
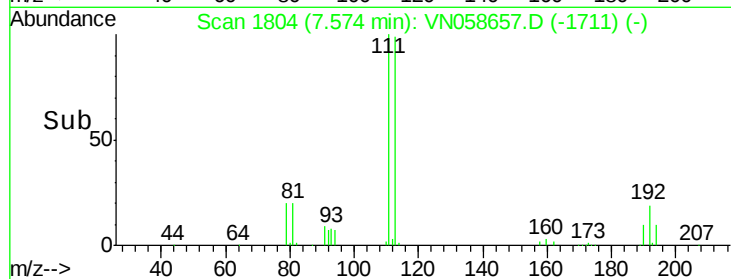
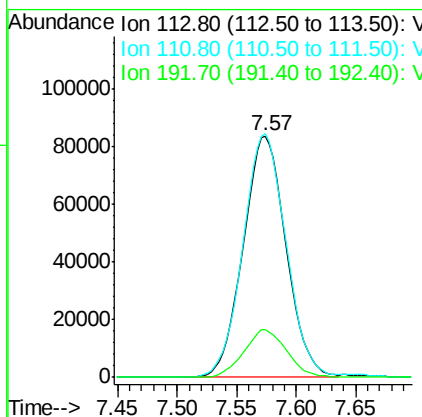
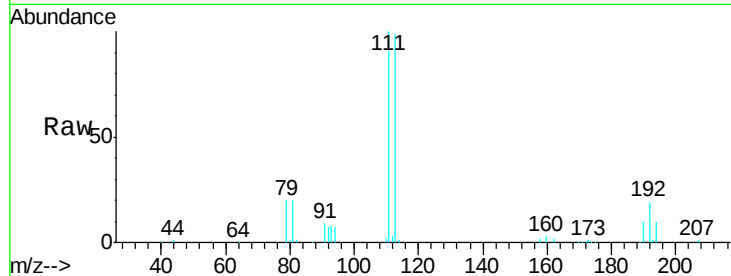




#35
 Dibromofluoromethane
 Concen: 53.165 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058657.D
 Acq: 9 Oct 2019 21:44

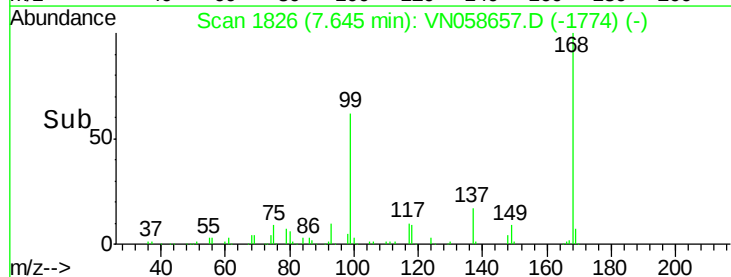
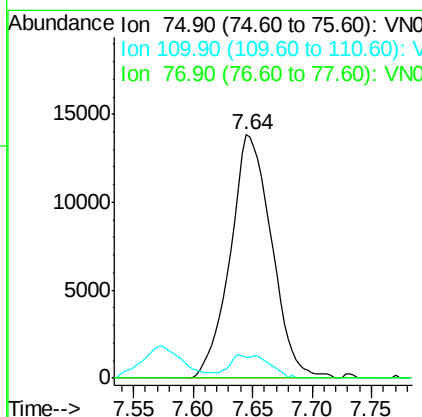
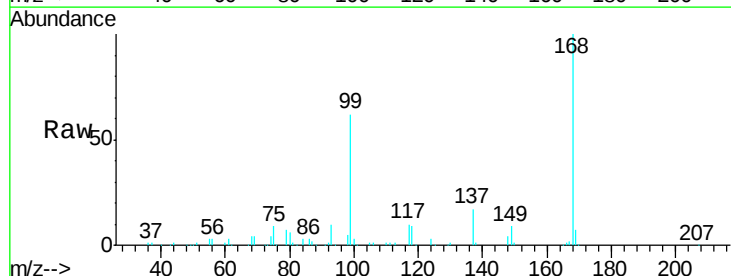
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 ClientSampled :
 MW-6

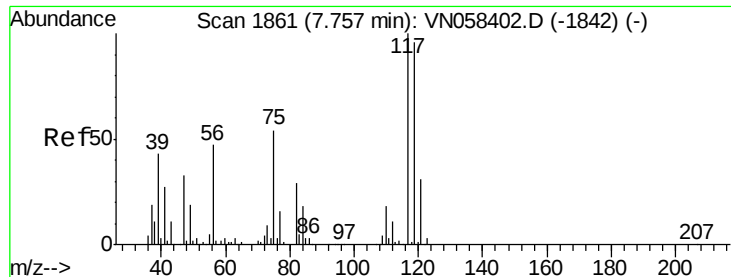
Tgt Ion: 113 Resp: 208752
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.4 125.2
 192 19.6 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 5.443 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058657.D
 Acq: 9 Oct 2019 21:44

Tgt Ion: 75 Resp: 33345
 Ion Ratio Lower Upper
 75 100
 110 3.3 16.4 49.2#
 77 0.0 24.3 36.5#

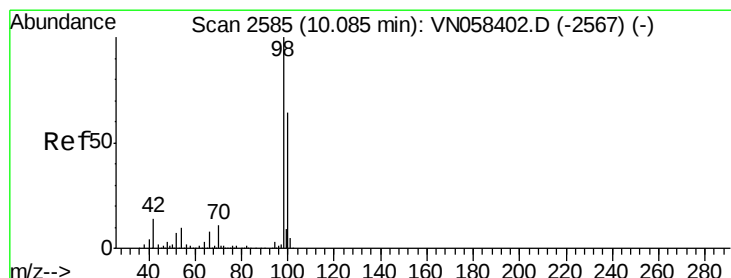
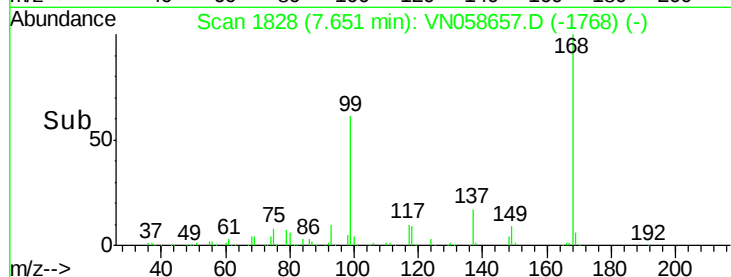
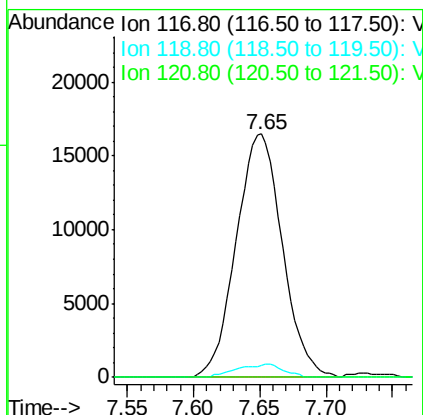
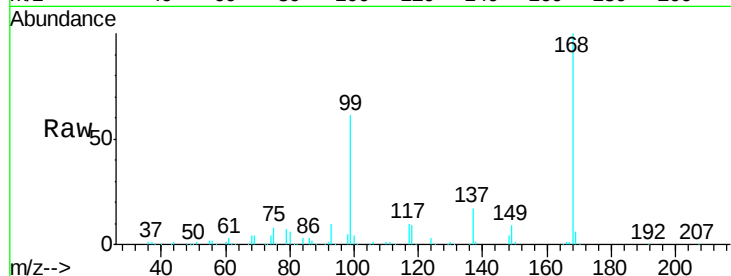




#38
Carbon Tetrachloride
Concen: 7.207 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058657.D
Acq: 9 Oct 2019 21:44

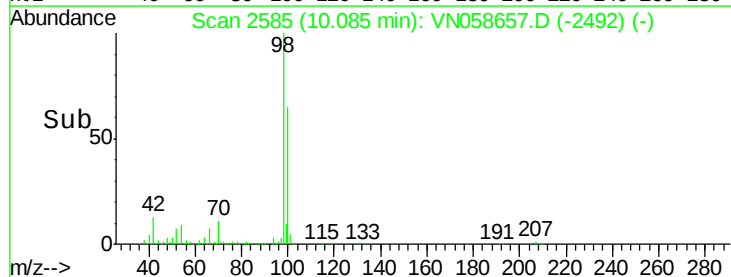
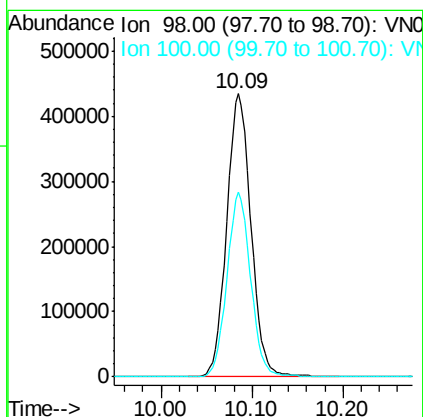
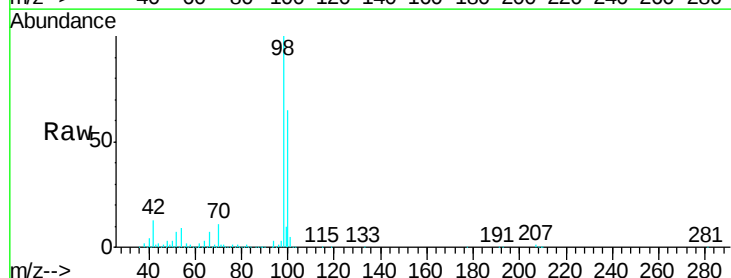
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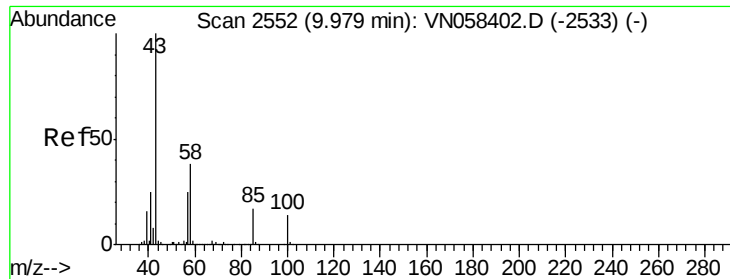
Tgt Ion: 117 Resp: 39850
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.375 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058657.D
Acq: 9 Oct 2019 21:44

Tgt Ion: 98 Resp: 805620
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6

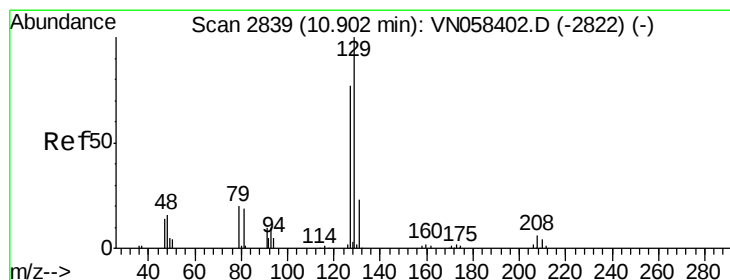
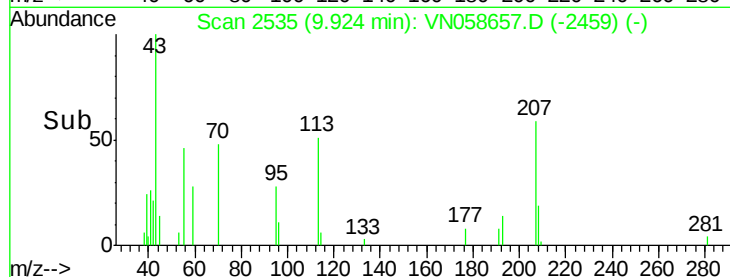
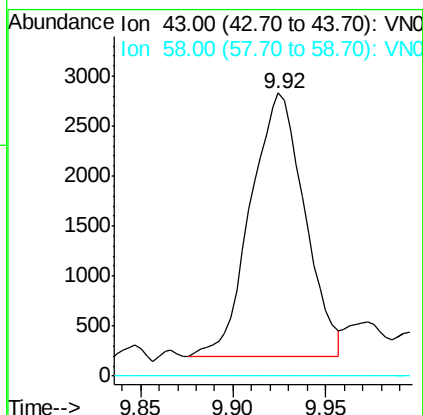
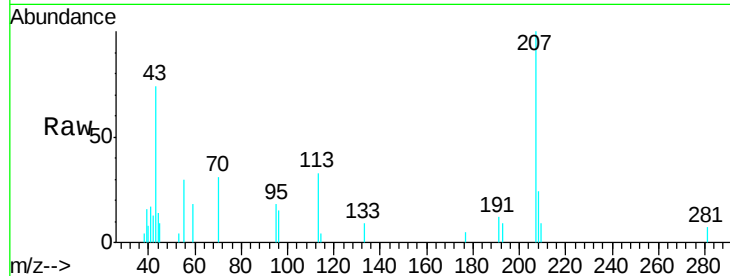




#51
 4-Methyl-2-Pentanone
 Concen: 1.065 ug/l
 RT: 9.92 min Scan# 2535
 Delta R.T. -0.05 min
 Lab File: VN058657.D
 Acq: 9 Oct 2019 21:44

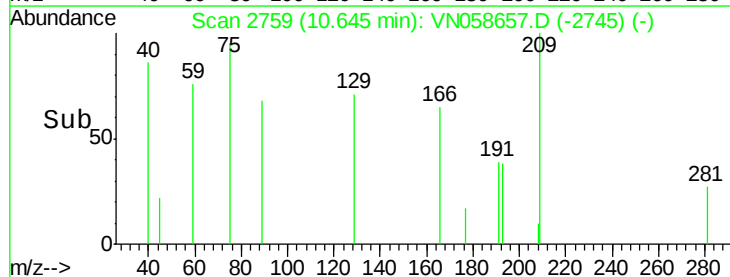
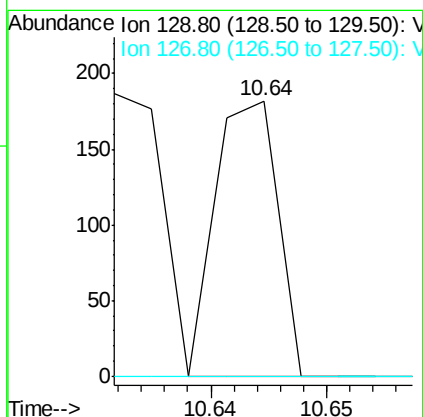
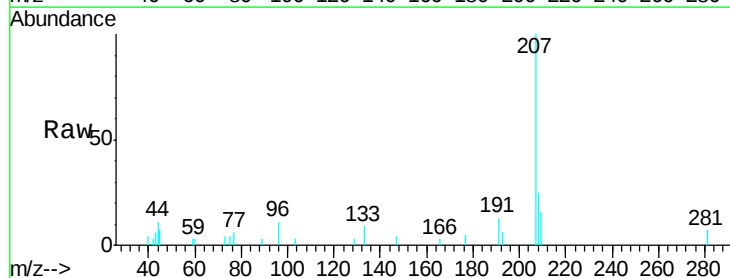
Instrument :
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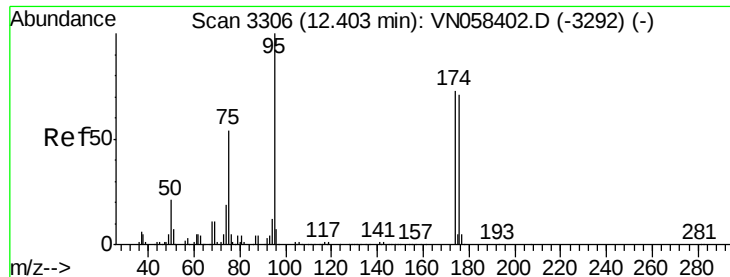
Tgt Ion: 43 Resp: 5345
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.2 45.2#



#60
 Dibromochloromethane
 Concen: Below Cal
 RT: 10.64 min Scan# 2759
 Delta R.T. -0.26 min
 Lab File: VN058657.D
 Acq: 9 Oct 2019 21:44

Tgt Ion: 129 Resp: 68
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 46.533 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

Instrument :

MSVOA_N

ClientSampled :

MW-6

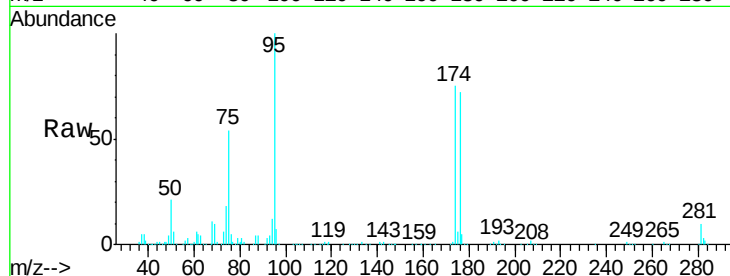
Tgt Ion: 95 Resp: 258804

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.6

176 73.4 0.0 146.2



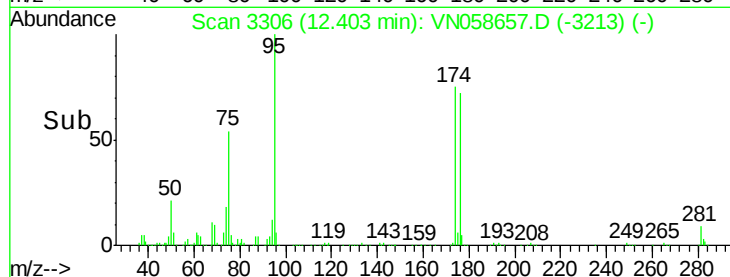
Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

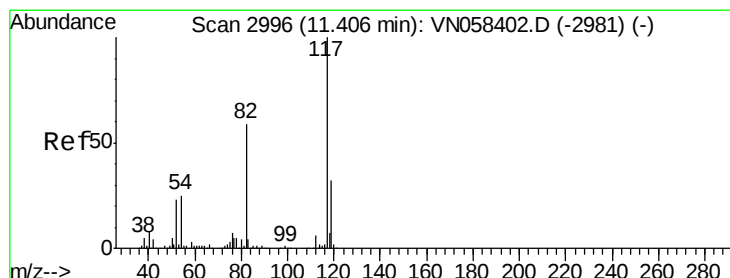
Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

12.40

12.35 12.40 12.45 12.50



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

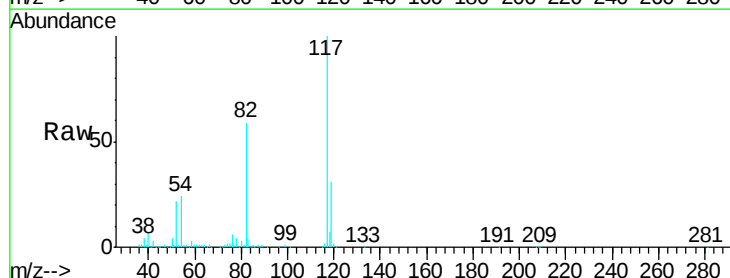
Tgt Ion: 117 Resp: 554584

Ion Ratio Lower Upper

117 100

82 58.7 47.4 71.0

119 31.3 25.5 38.3



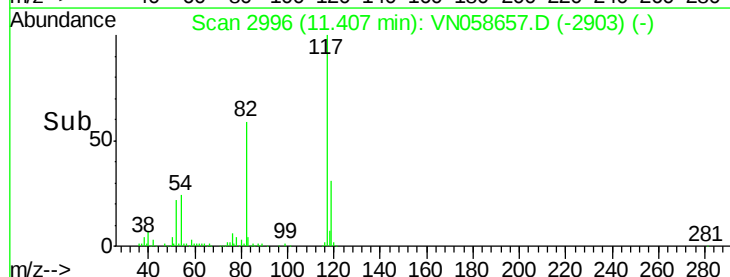
Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

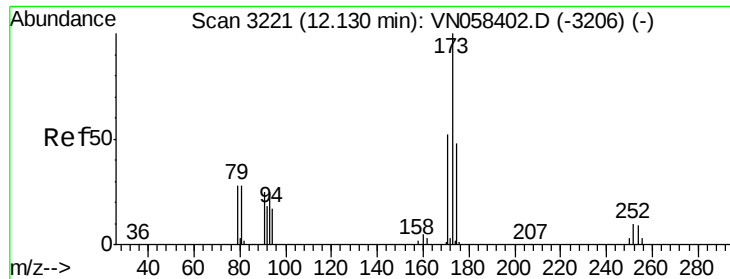
Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

11.41

11.30 11.40 11.50



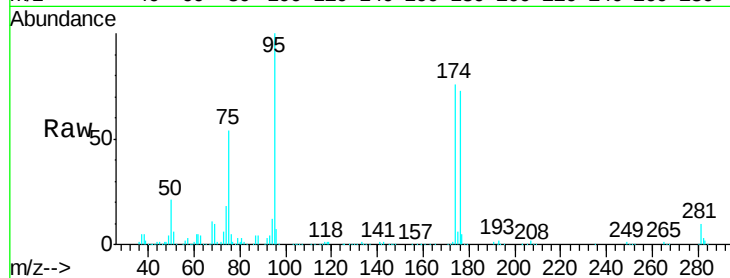
Time-->



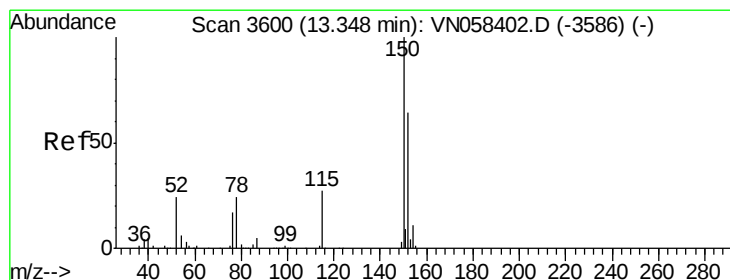
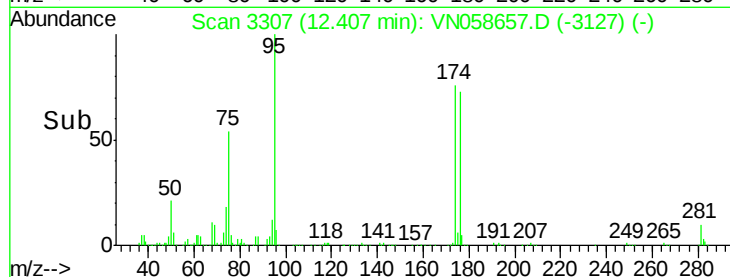
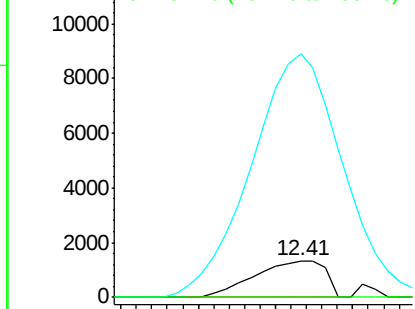
#71
Bromoform
Concen: 1.345 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058657.D
Acq: 9 Oct 2019 21:44

Instrument :
MSVOA_N
ClientSampleId :
MW-6

Tgt Ion:173 Resp: 1692
Ion Ratio Lower Upper
173 100
175 749.0 24.3 73.0#
254 0.0 0.1 0.1#

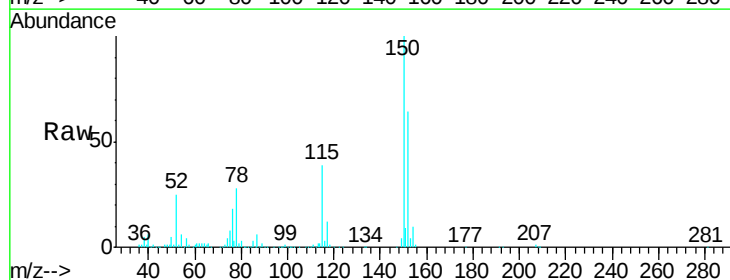


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

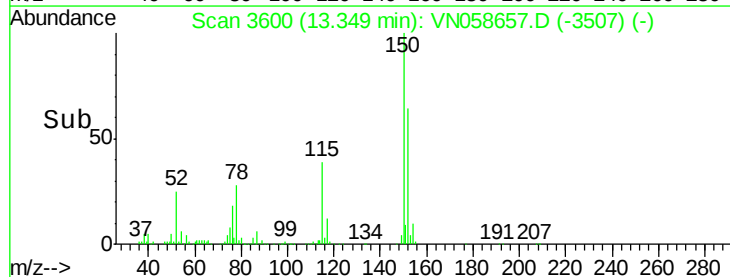
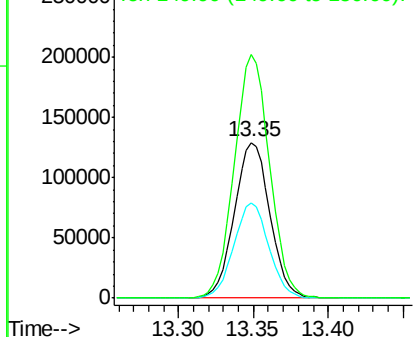


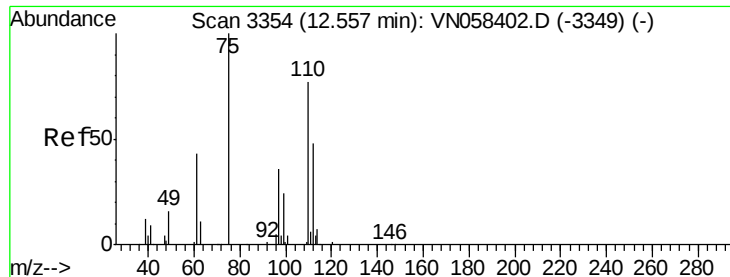
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058657.D
Acq: 9 Oct 2019 21:44

Tgt Ion:152 Resp: 213321
Ion Ratio Lower Upper
152 100
115 60.5 30.0 90.0
150 155.7 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.676 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

Instrument :

MSVOA_N

ClientSampleId :

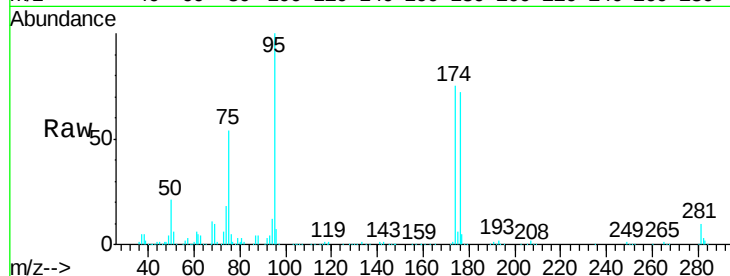
MW-6

Tgt Ion: 75 Resp: 139007

Ion Ratio Lower Upper

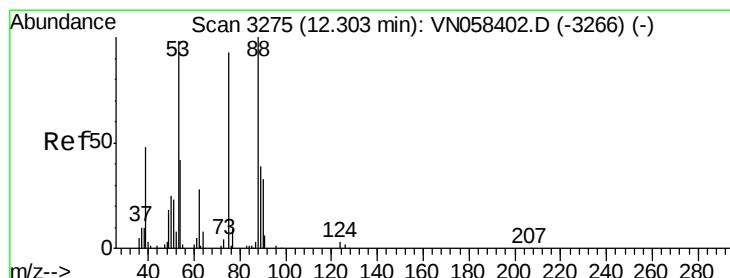
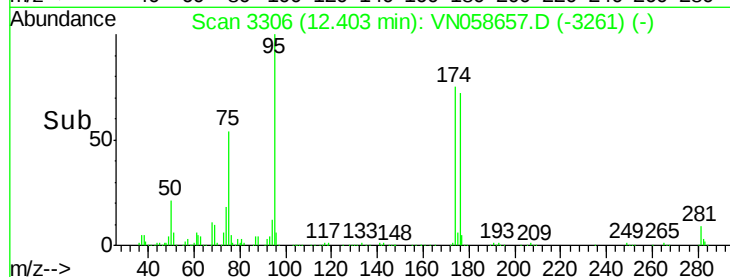
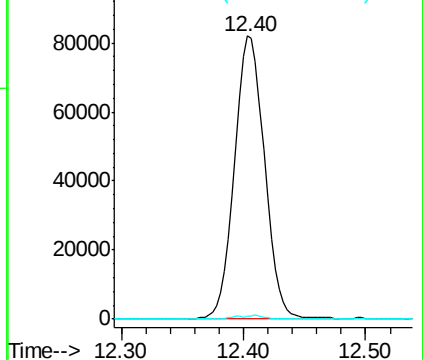
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 108.354 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

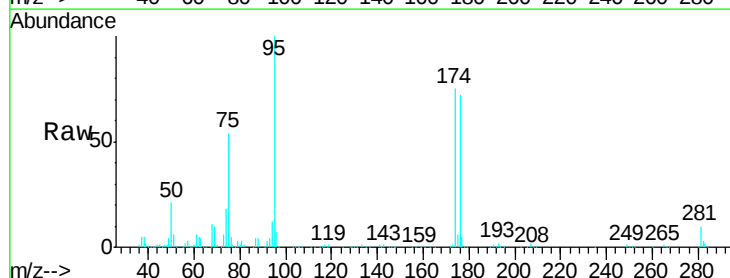
Tgt Ion: 75 Resp: 139007

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

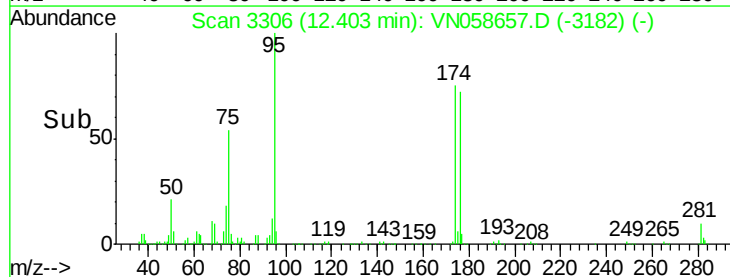
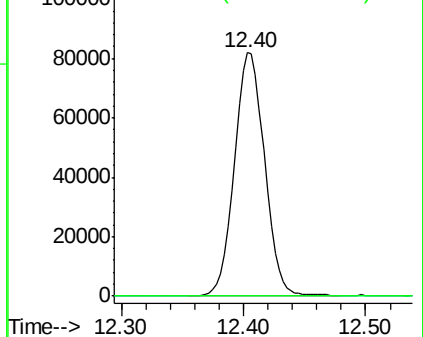
89 0.0 35.0 52.4#

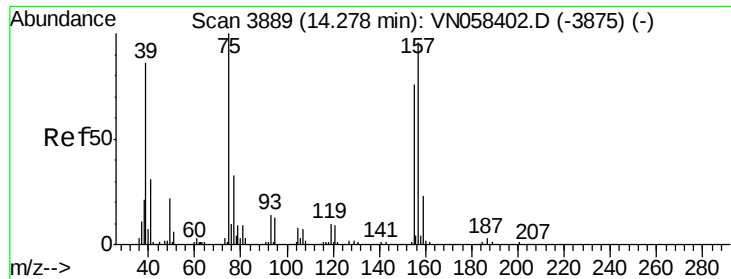


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.315 ug/l

RT: 14.29 min Scan# 3894

Delta R.T. 0.02 min

Lab File: VN058657.D

Acq: 9 Oct 2019 21:44

Instrument :

MSVOA_N

ClientSampleId :

MW-6

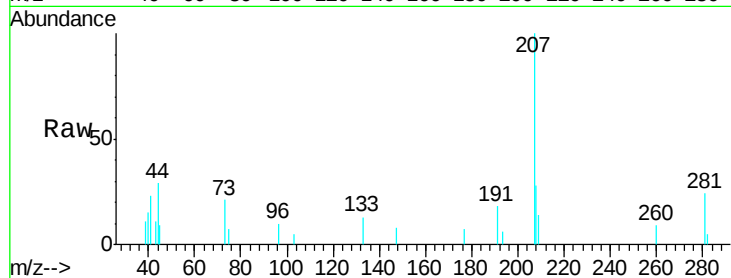
Tgt Ion: 75 Resp: 259

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

