

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057153.D
 Acq On : 9 Aug 2019 17:58
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Aug 10 02:14:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

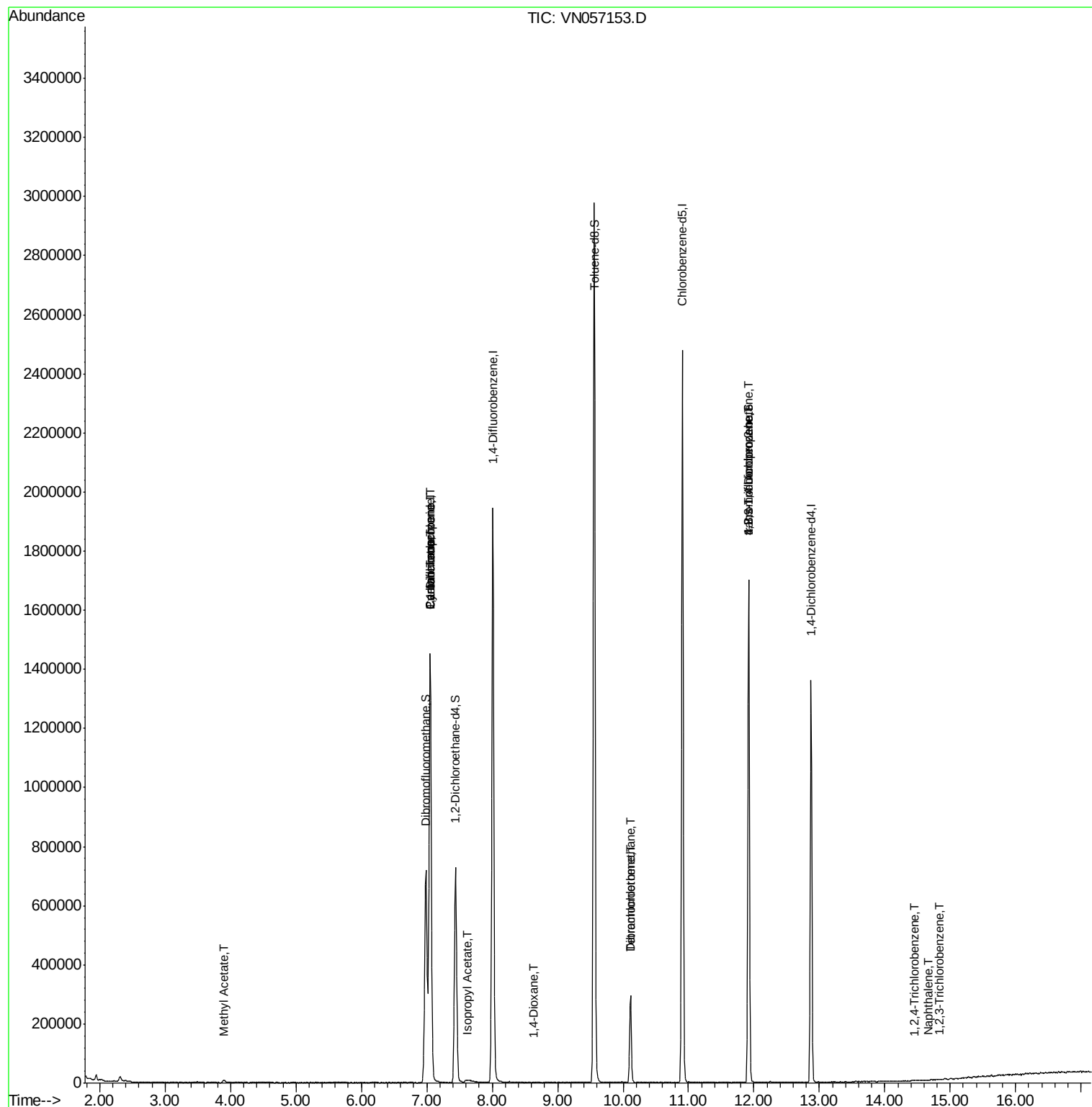
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1388076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1944747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1592022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	407907	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	648097	45.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.80%	
35) Dibromofluoromethane	6.99	113	590226	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
50) Toluene-d8	9.56	98	2251975	48.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	11.92	95	597329	39.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.42%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	3.90	43	15116	0.527	ug/l #	80
31) Cyclohexane	7.05	56	19638	0.948	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	82790	5.170	ug/l #	49
37) Ethyl Acetate	6.27	43	31	Below Cal	#	70
38) Carbon Tetrachloride	7.05	117	118635	7.109	ug/l #	17
43) Isopropyl Acetate	7.62	43	7794	0.346	ug/l #	51
49) 1,4-Dioxane	8.64	88	61	0.282	ug/l #	27
60) Dibromochloromethane	10.11	129	65987	5.078	ug/l #	11
64) Tetrachloroethene	10.11	164	80198	6.057	ug/l	96
73) Isopropylbenzene	11.78	105	162	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.92	83	304	Below Cal	#	8
76) 1,2,3-Trichloropropane	11.92	75	274949	33.560	ug/l #	100
79) 2-Chlorotoluene	12.11	91	194	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	11.92	75	274949	99.109	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.45	180	165	5.955	ug/l #	21
95) Naphthalene	14.67	128	30	2.805	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.83	180	192	5.749	ug/l #	12

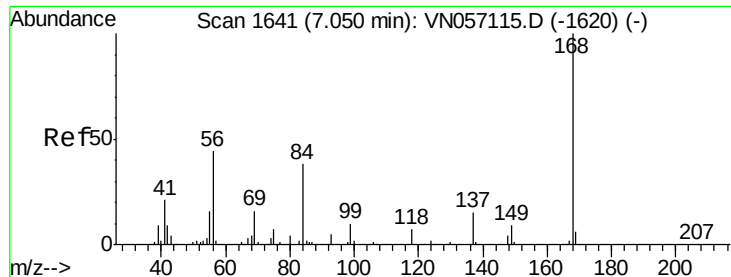
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
Data File : VN057153.D
Acq On : 9 Aug 2019 17:58
Operator : JC/SP
Sample : I.BLK
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Quant Time: Aug 10 02:14:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

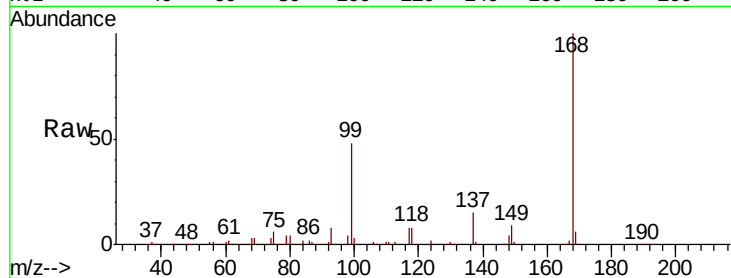
I.BLK

Tgt Ion:168 Resp: 1388076

Ion Ratio Lower Upper

168 100

99 48.2 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057115.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057115.D (-1620) (-)

7.05

600000

500000

400000

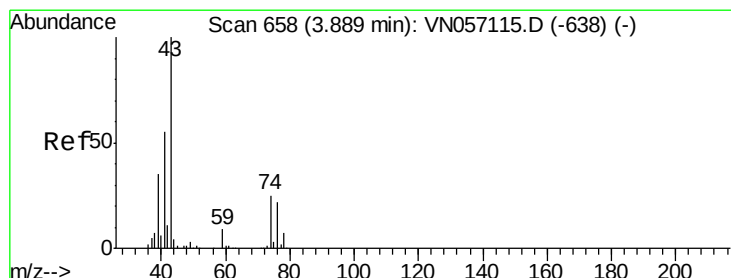
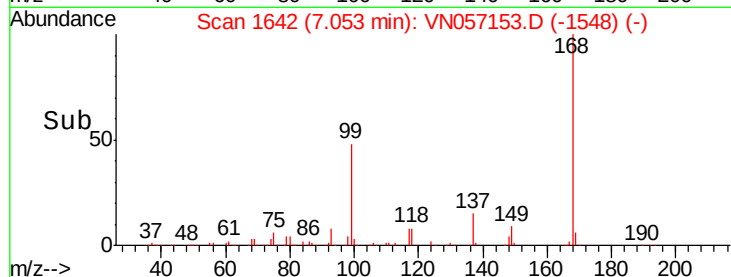
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#18

Methyl Acetate

Concen: 0.527 ug/l

RT: 3.90 min Scan# 660

Delta R.T. 0.01 min

Lab File: VN057153.D

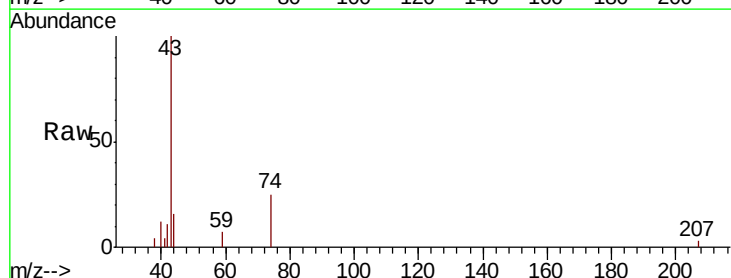
Acq: 9 Aug 2019 17:58

Tgt Ion: 43 Resp: 15116

Ion Ratio Lower Upper

43 100

74 15.3 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-638) (-)

Ion 74.00 (73.70 to 74.70): VN057115.D (-638) (-)

3.90

6000

5000

4000

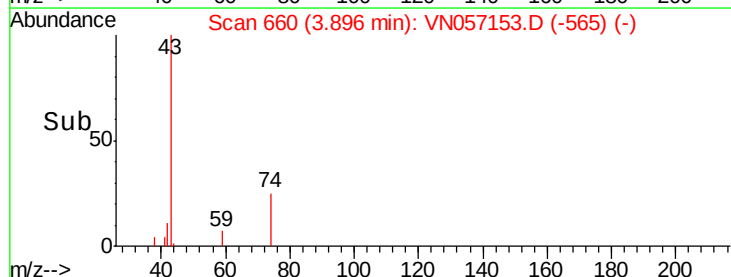
3000

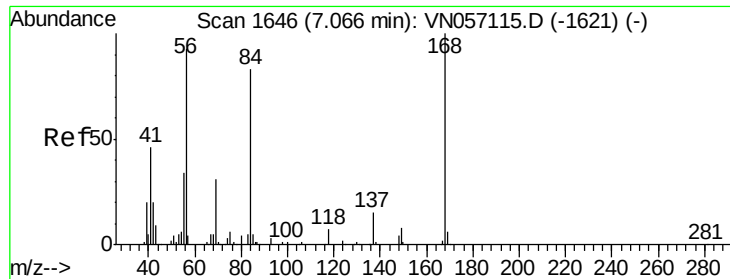
2000

1000

0

Time--> 3.80 3.85 3.90 3.95

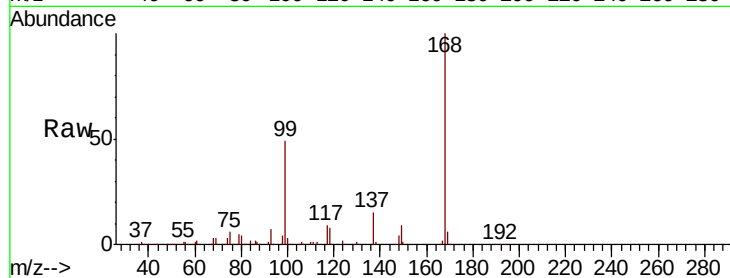




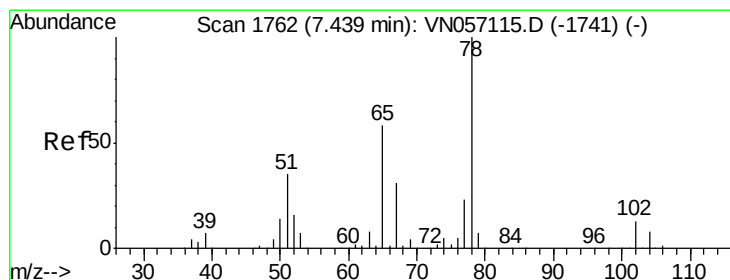
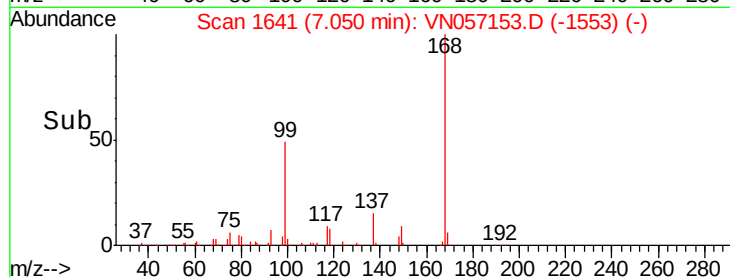
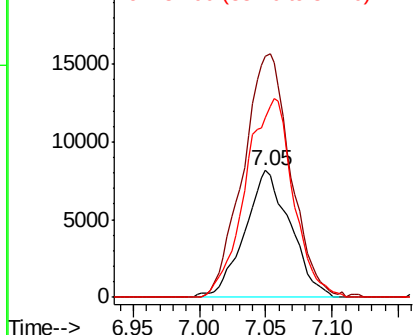
#31
Cyclohexane
Concen: 0.948 ug/l
RT: 7.05 min Scan# 1641
Delta R.T. -0.02 min
Lab File: VN057153.D
Acq: 9 Aug 2019 17:58

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tgt Ion: 56 Resp: 19638
Ion Ratio Lower Upper
56 100
69 189.6 26.9 40.3#
84 141.6 71.9 107.9#

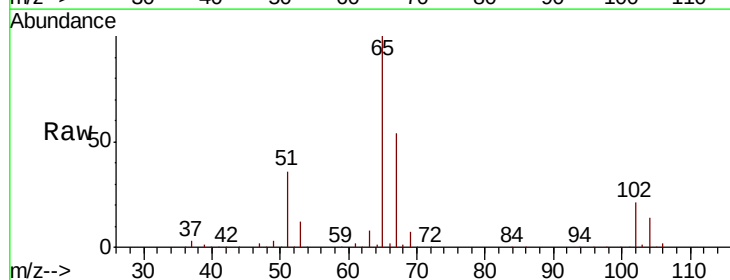


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

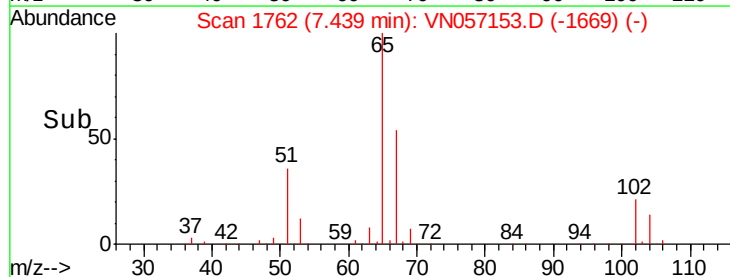
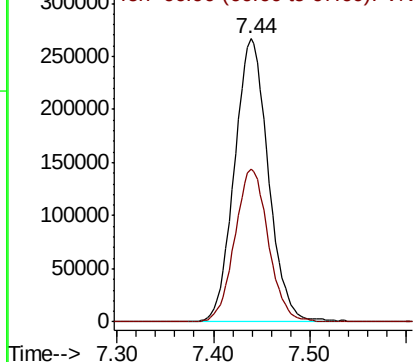


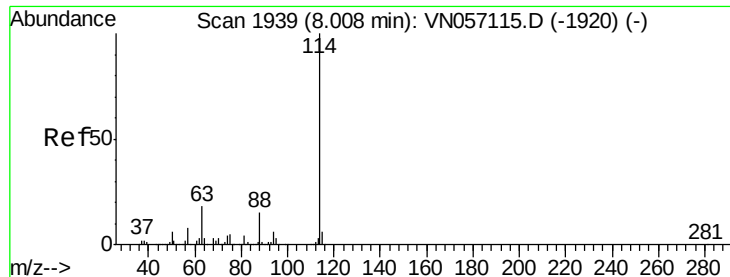
#33
1,2-Dichloroethane-d4
Concen: 45.400 ug/l
RT: 7.44 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VN057153.D
Acq: 9 Aug 2019 17:58

Tgt Ion: 65 Resp: 648097
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

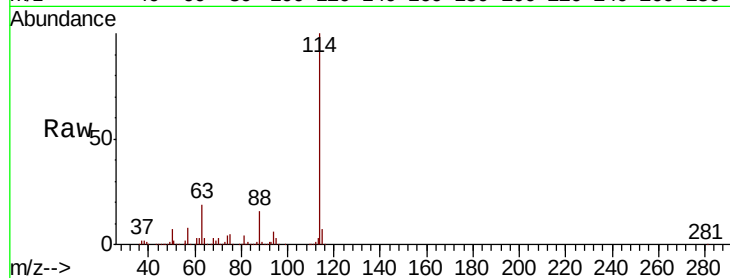




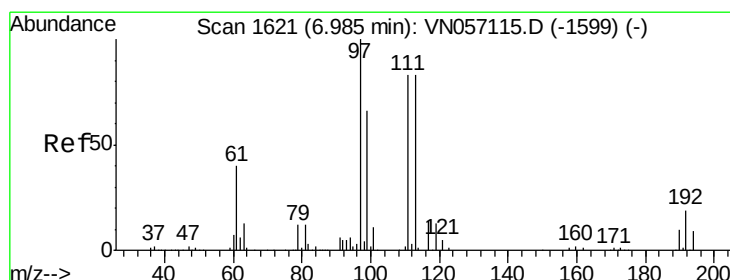
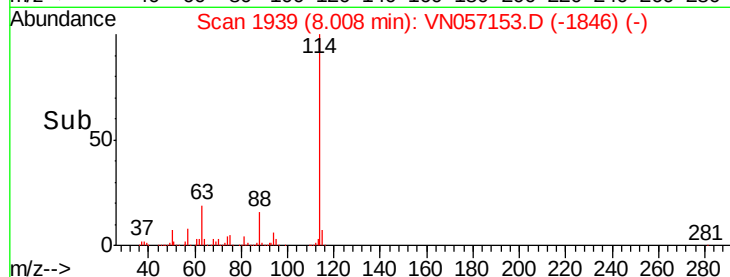
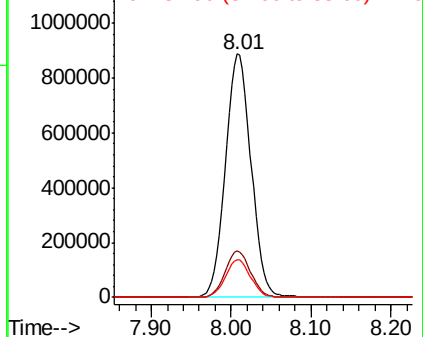
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN057153.D
 Acq: 9 Aug 2019 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tgt Ion:114 Resp: 1944747
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 15.6 0.0 30.0

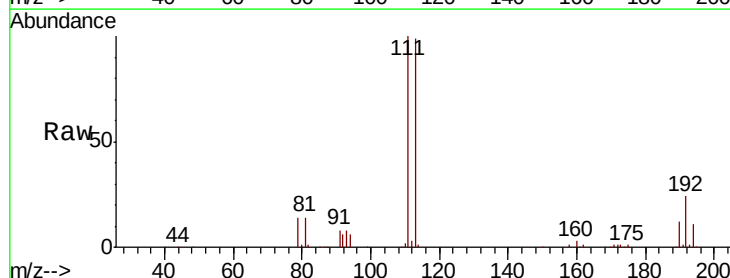


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

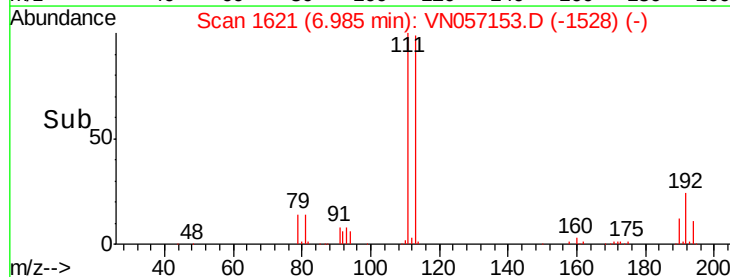
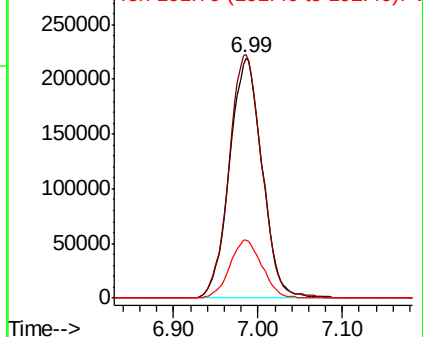


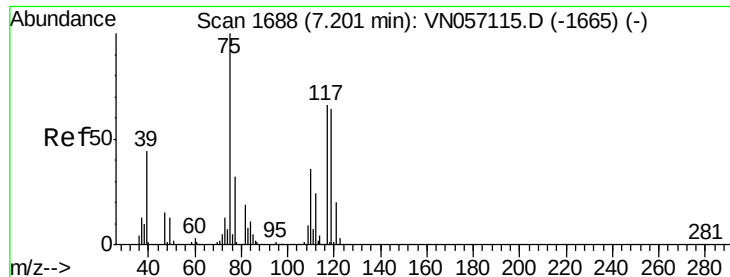
#35
 Dibromofluoromethane
 Concen: 48.365 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VN057153.D
 Acq: 9 Aug 2019 17:58

Tgt Ion:113 Resp: 590226
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.3 121.9
 192 24.0 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

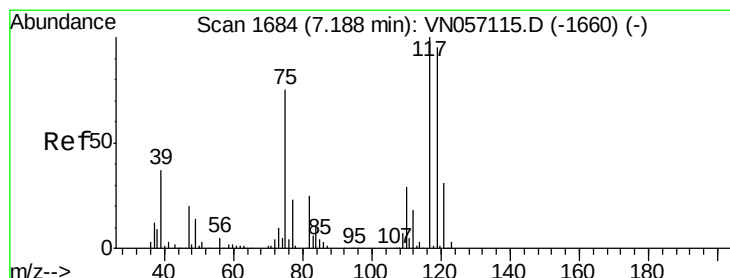
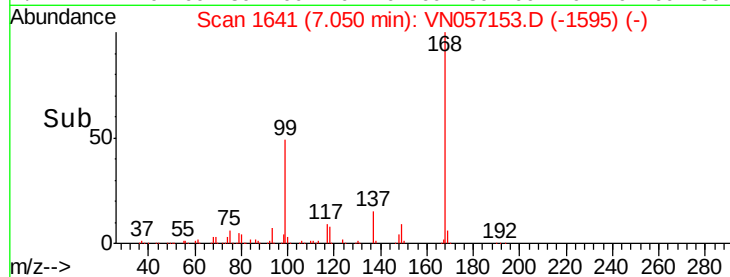
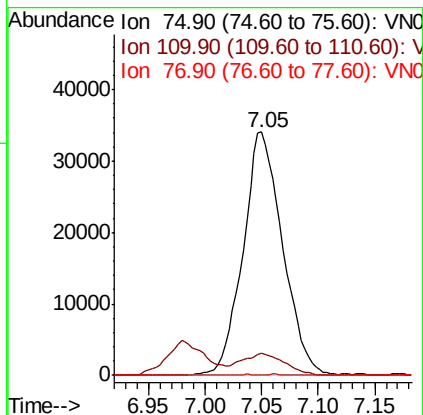
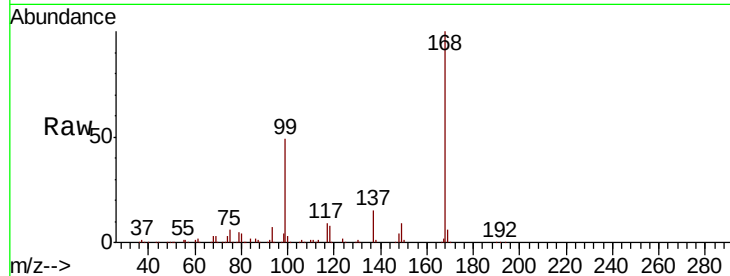




#36
 1,1-Dichloropropene
 Concen: 5.170 ug/l
 RT: 7.05 min Scan# 1641
 Delta R.T. -0.15 min
 Lab File: VN057153.D
 Acq: 9 Aug 2019 17:58

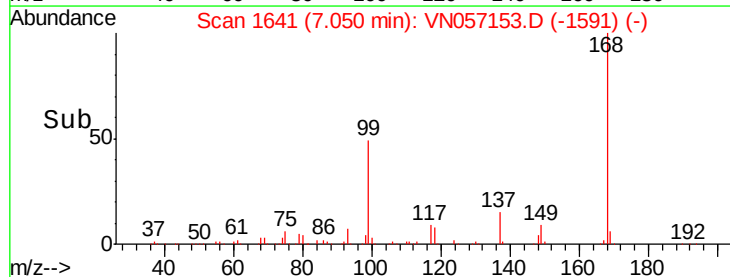
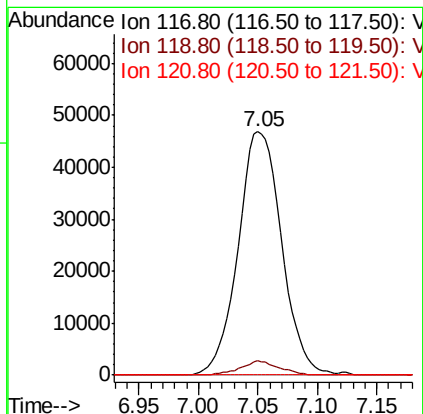
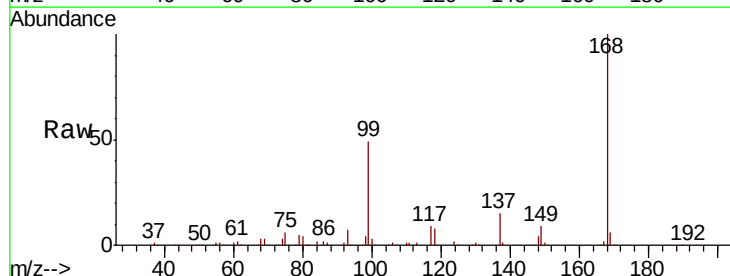
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

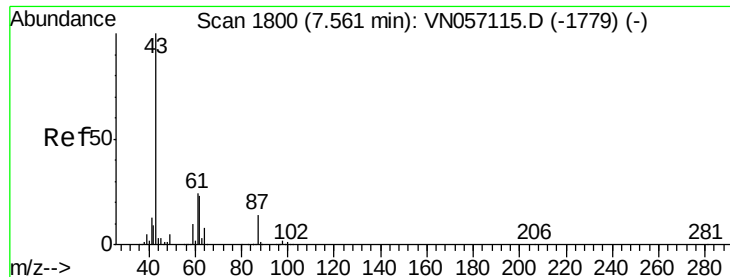
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.7	56.1#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.109 ug/l
 RT: 7.05 min Scan# 1641
 Delta R.T. -0.14 min
 Lab File: VN057153.D
 Acq: 9 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.8	113.6#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 0.346 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.06 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

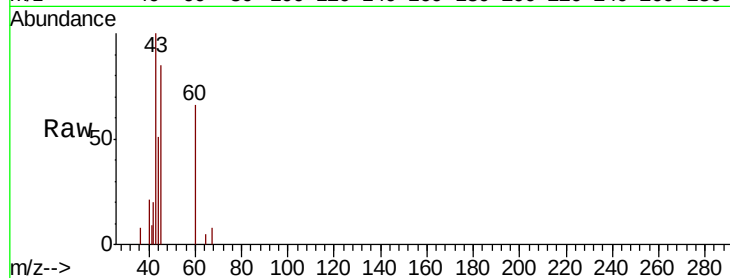
Tgt Ion: 43 Resp: 7794

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.2#

87 0.0 11.8 17.8#

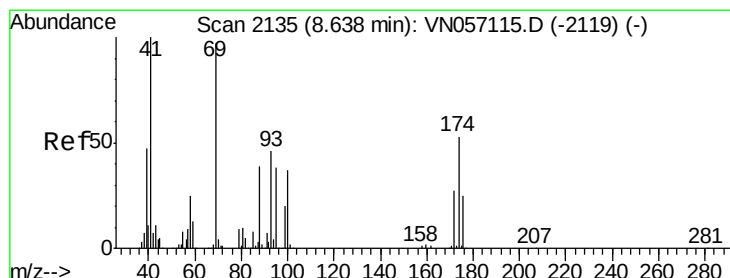
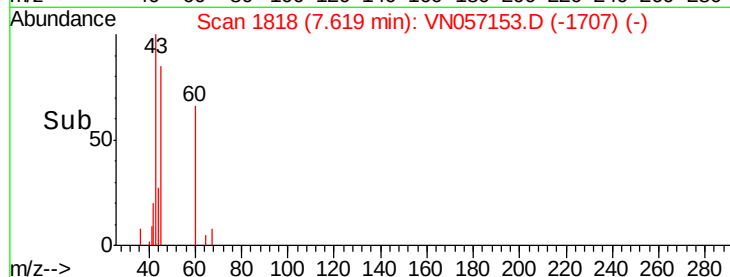
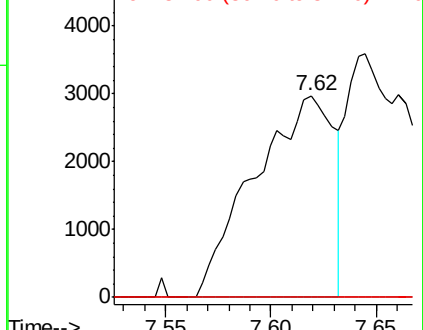


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#49

1,4-Dioxane

Concen: 0.282 ug/l

RT: 8.64 min Scan# 2137

Delta R.T. 0.01 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

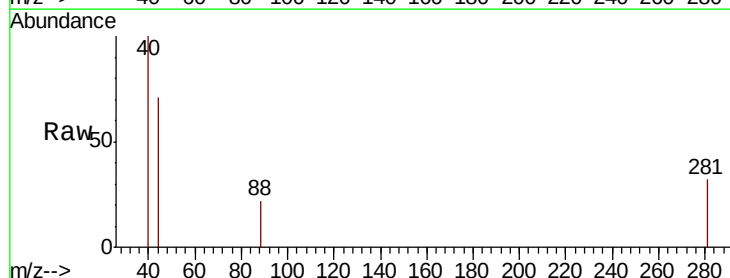
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 21.7 32.5#

58 0.0 51.1 76.7#

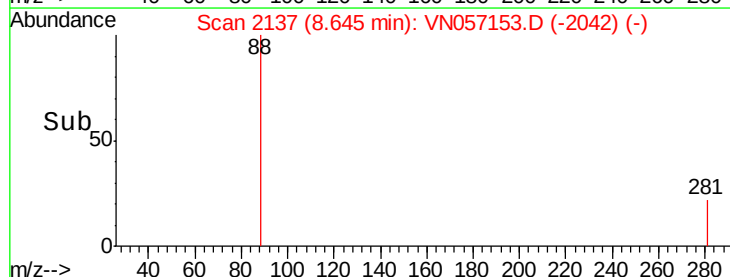
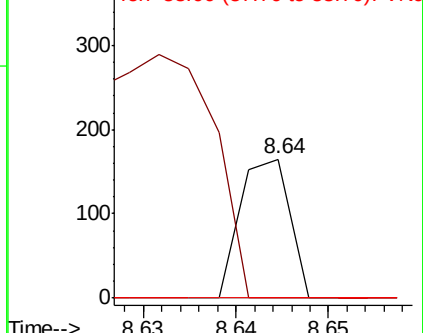


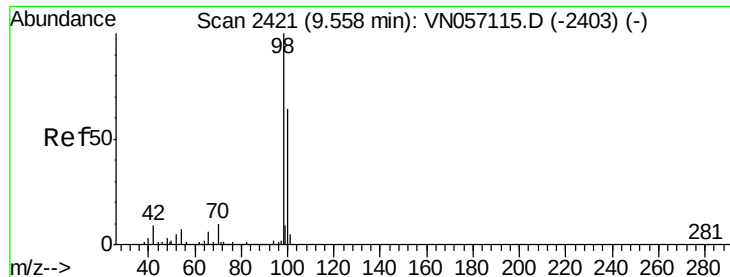
Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

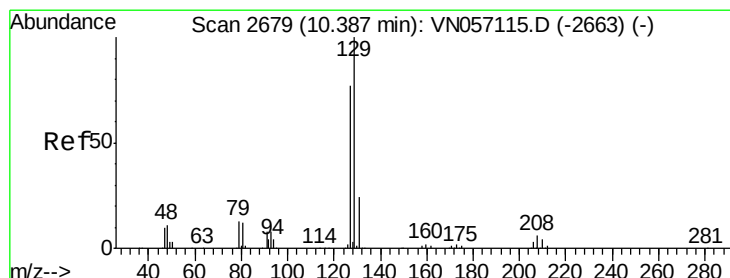
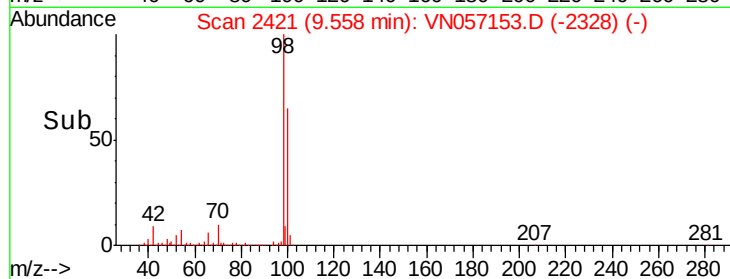
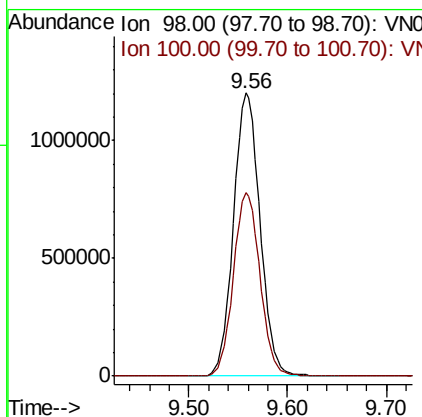
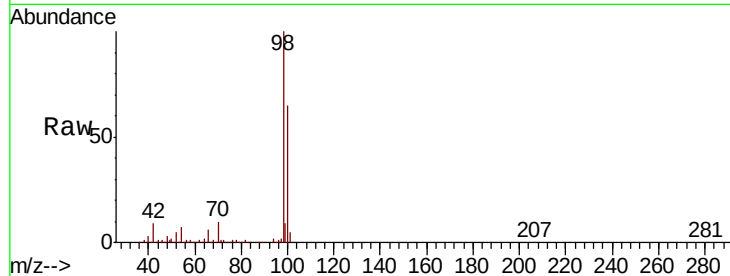




#50
Toluene-d8
Concen: 48.234 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057153.D
Acq: 9 Aug 2019 17:58

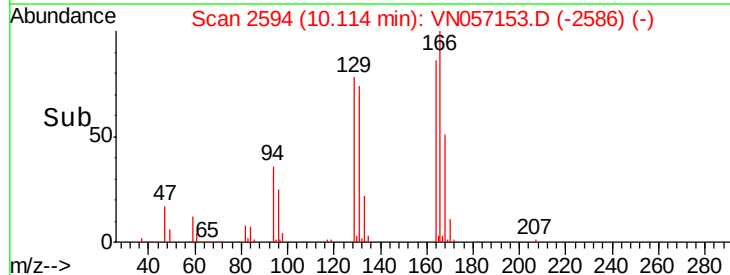
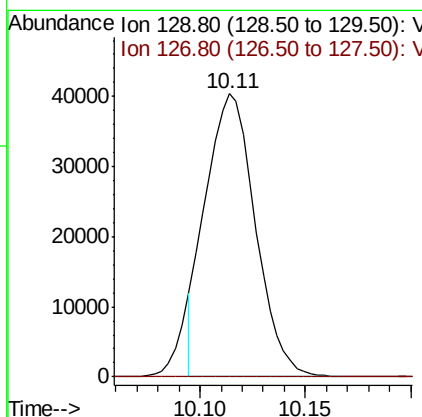
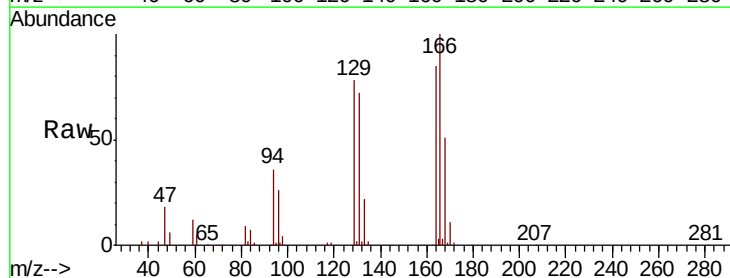
Instrument :
MSVOA_N
ClientSampled :
I.BLK

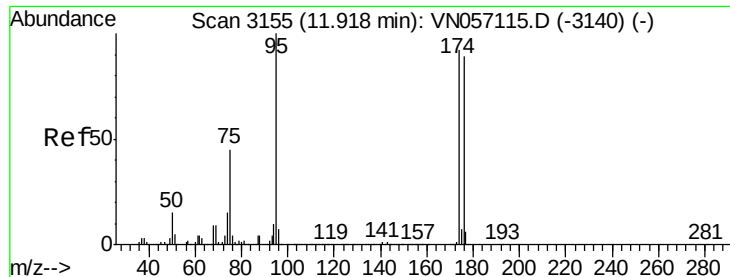
Tgt Ion: 98 Resp: 2251975
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8



#60
Dibromochloromethane
Concen: 5.078 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. -0.27 min
Lab File: VN057153.D
Acq: 9 Aug 2019 17:58

Tgt Ion: 129 Resp: 65987
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 39.707 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

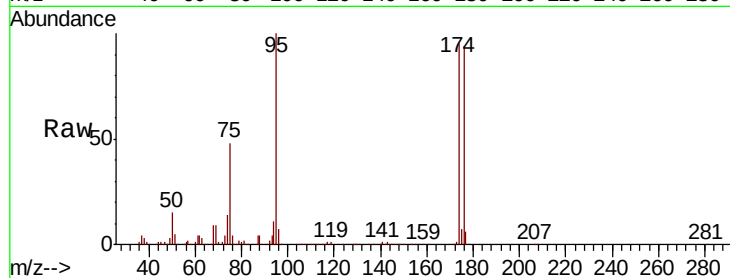
Tgt Ion: 95 Resp: 597329

Ion Ratio Lower Upper

95 100

174 94.5 0.0 185.0

176 92.3 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VN057115.D (-3140) (-)

Ion 173.80 (173.50 to 174.50): VN057115.D (-3140) (-)

Ion 175.80 (175.50 to 176.50): VN057115.D (-3140) (-)

11.92

400000

300000

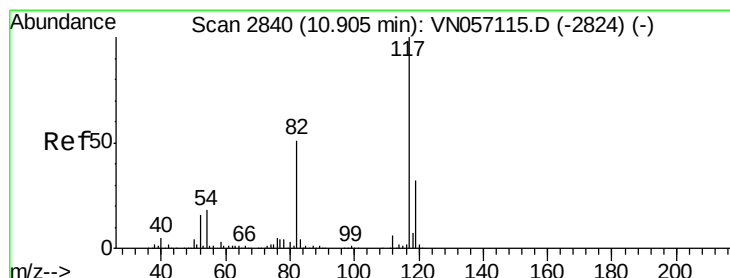
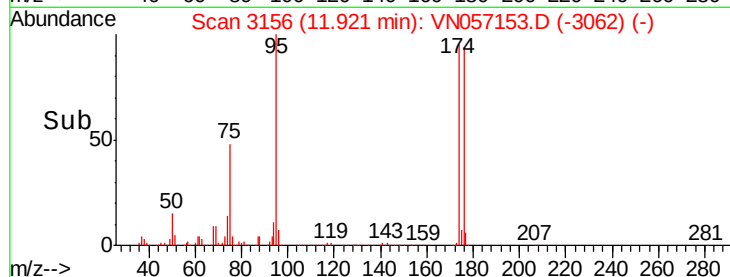
200000

100000

0

11.90 12.00

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

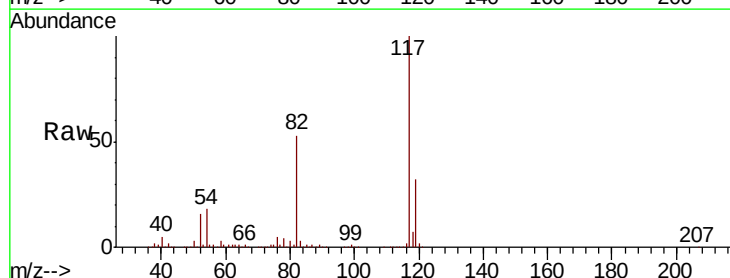
Tgt Ion: 117 Resp: 1592022

Ion Ratio Lower Upper

117 100

82 52.9 40.8 61.2

119 32.3 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN057115.D (-2824) (-)

Ion 82.00 (81.70 to 82.70): VN057115.D (-2824) (-)

Ion 118.90 (118.60 to 119.60): VN057115.D (-2824) (-)

10.91

1200000

1000000

800000

600000

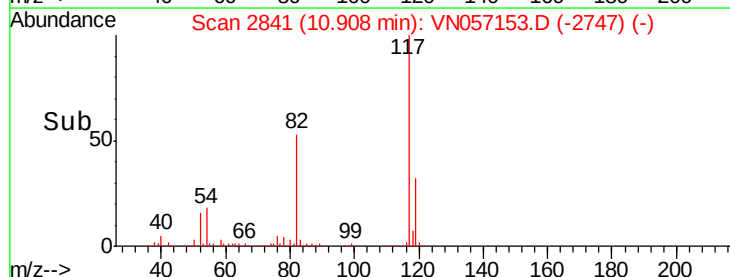
400000

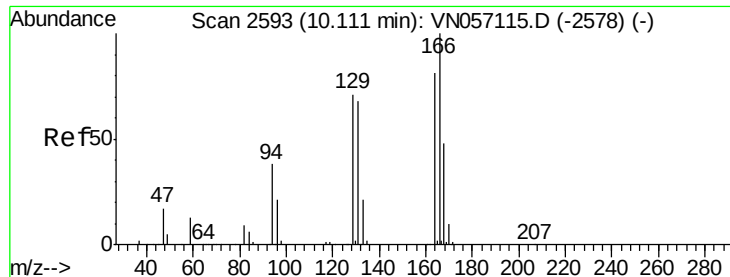
200000

0

10.80 10.90 11.00

Time-->





#64

Tetrachloroethene

Concen: 6.057 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

Tgt Ion:164 Resp: 80198

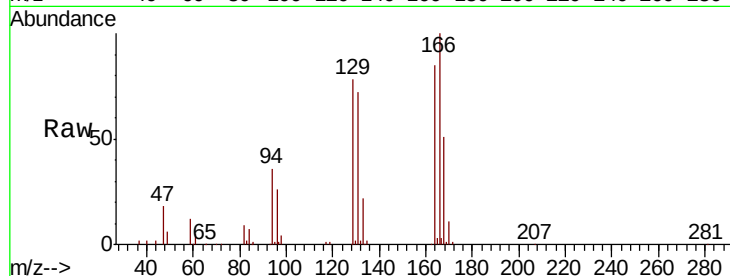
Ion Ratio Lower Upper

164 100

166 118.0 98.3 147.5

129 91.8 69.8 104.6

131 85.3 66.8 100.2

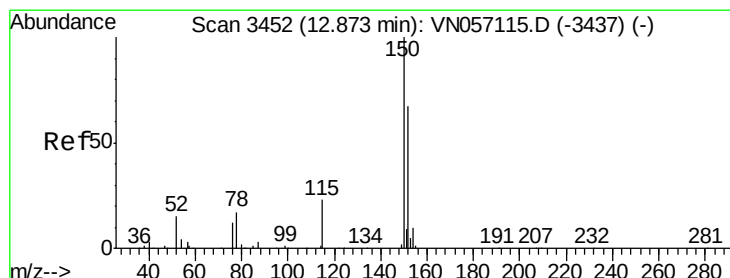
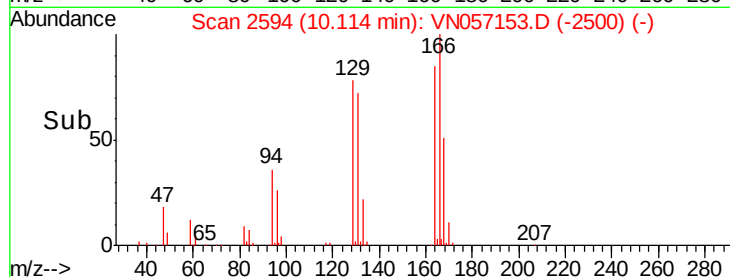
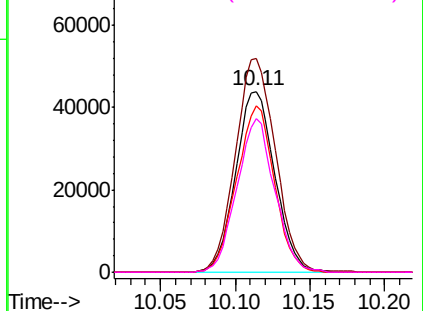


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

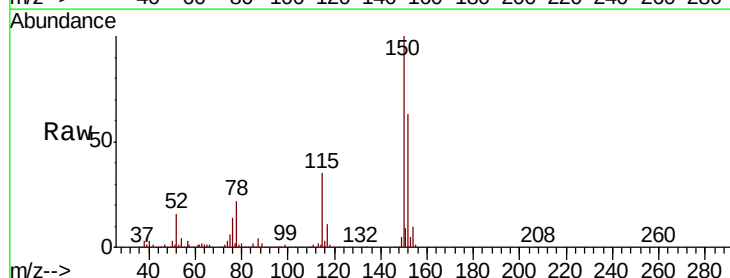
Tgt Ion:152 Resp: 407907

Ion Ratio Lower Upper

152 100

115 55.1 27.5 82.5

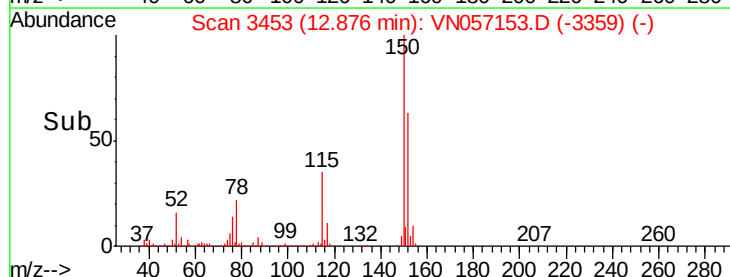
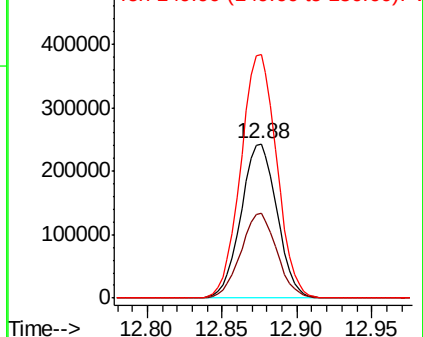
150 158.1 0.0 341.6

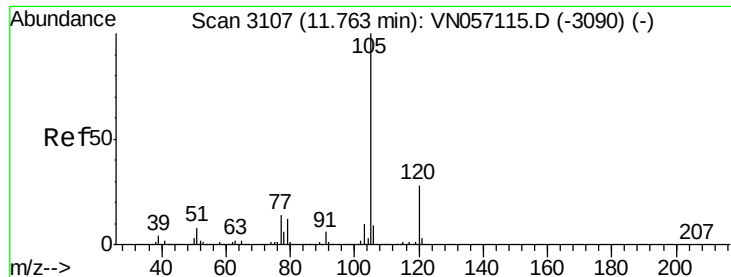


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.78 min Scan# 3111

Delta R.T. 0.01 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

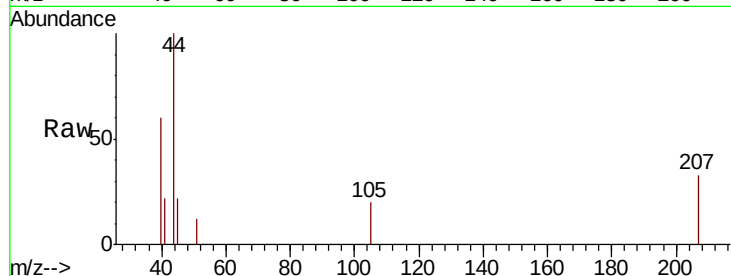
I.BLK

Tgt Ion: 105 Resp: 162

Ion Ratio Lower Upper

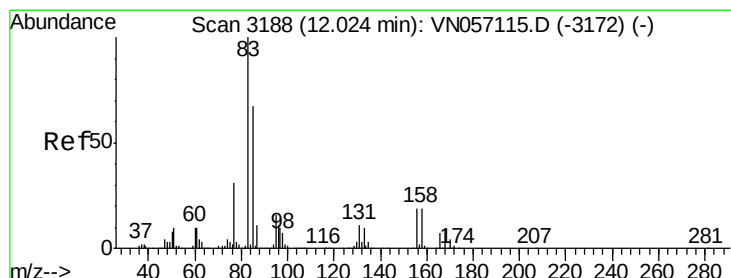
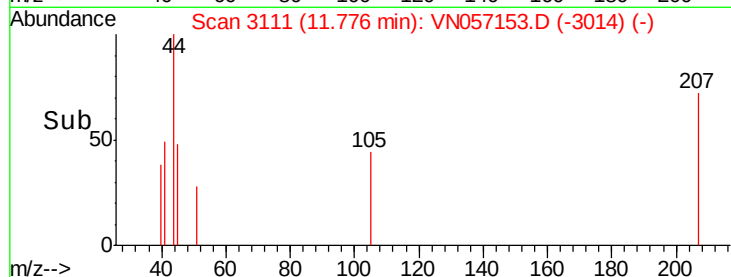
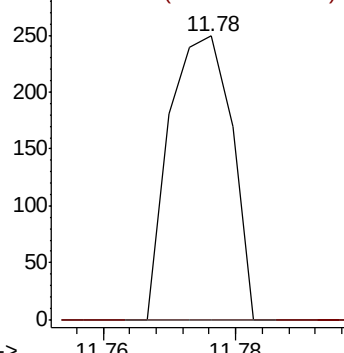
105 100

120 0.0 13.7 41.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.92 min Scan# 3155

Delta R.T. -0.11 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

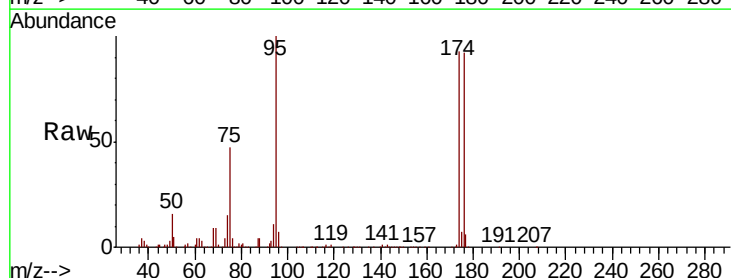
Tgt Ion: 83 Resp: 304

Ion Ratio Lower Upper

83 100

131 66.8 5.5 16.4#

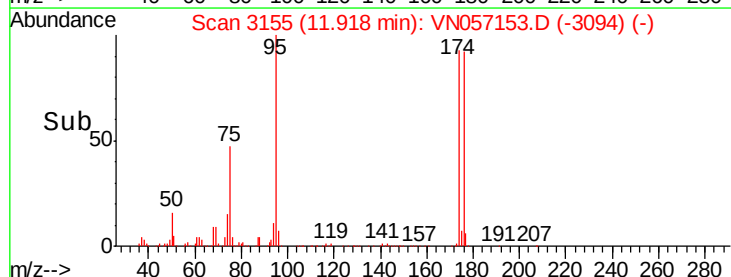
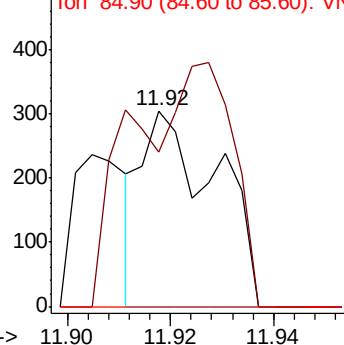
85 0.0 32.4 97.0#

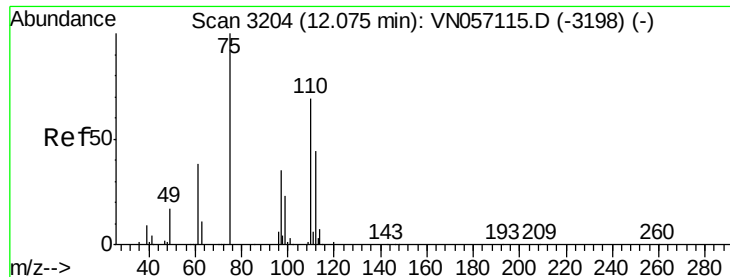


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.560 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.15 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

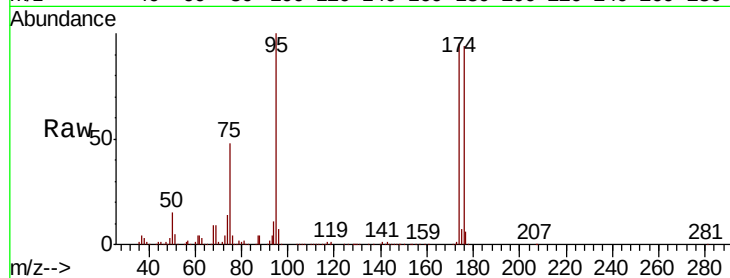
I.BLK

Tgt Ion: 75 Resp: 274949

Ion Ratio Lower Upper

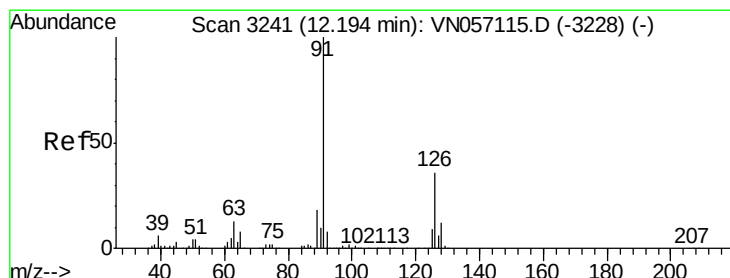
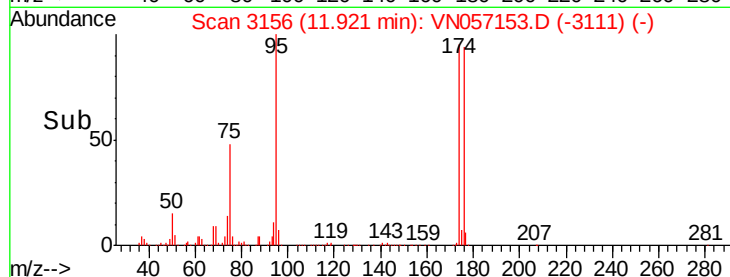
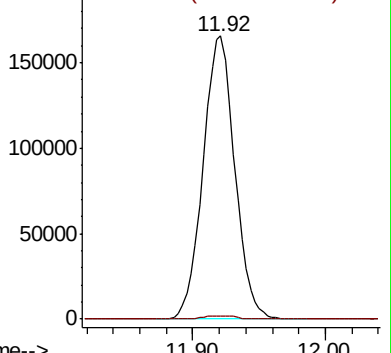
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.11 min Scan# 3216

Delta R.T. -0.08 min

Lab File: VN057153.D

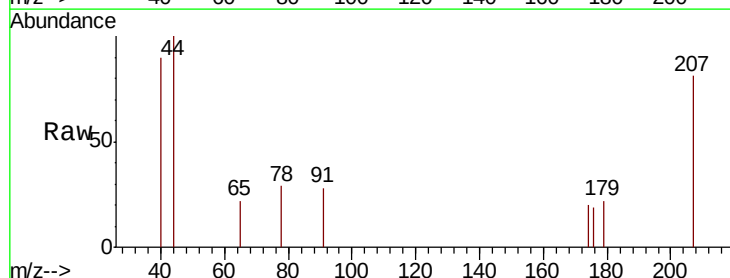
Acq: 9 Aug 2019 17:58

Tgt Ion: 91 Resp: 194

Ion Ratio Lower Upper

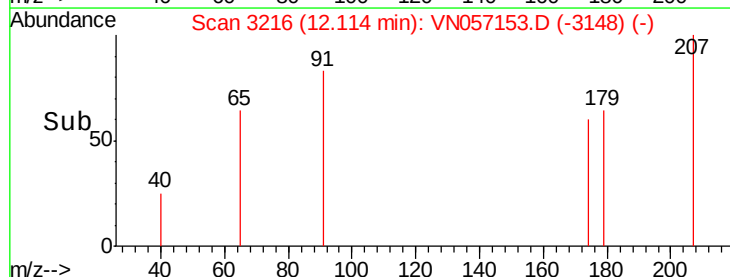
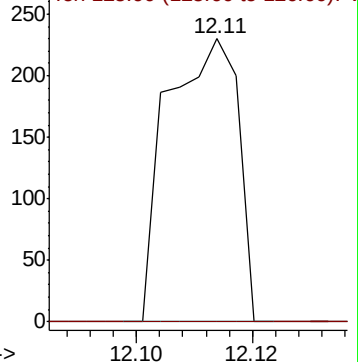
91 100

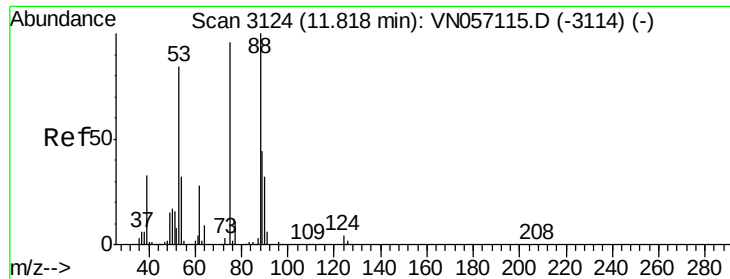
126 0.0 18.1 54.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

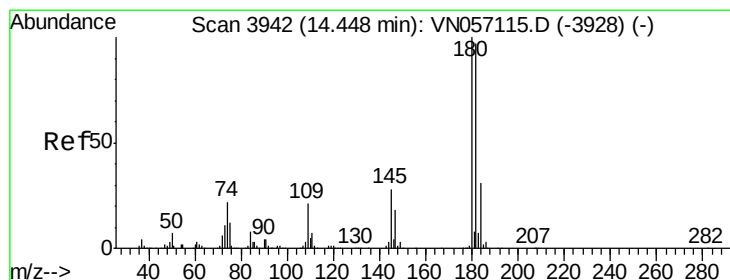
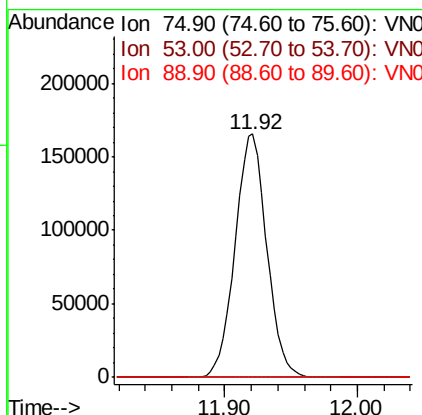
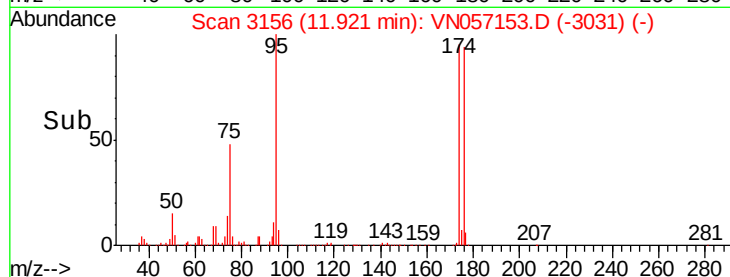
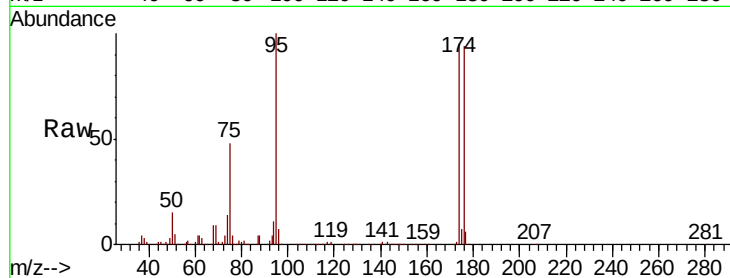




#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.109 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.10 min
 Lab File: VN057153.D
 Acq: 9 Aug 2019 17:58

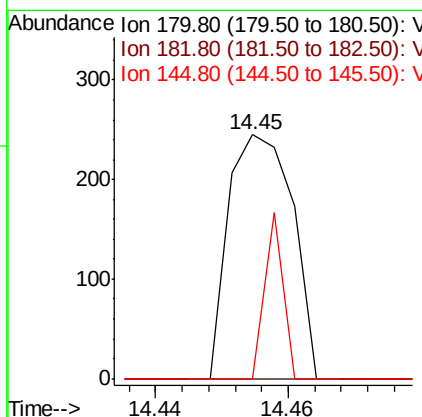
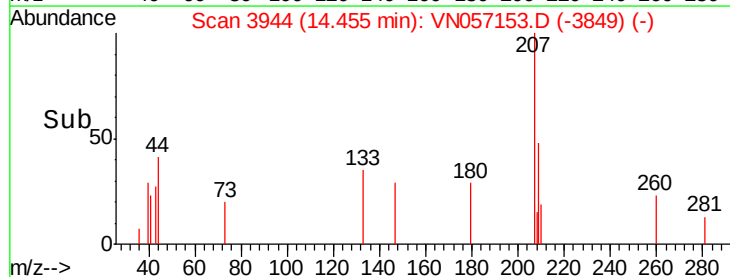
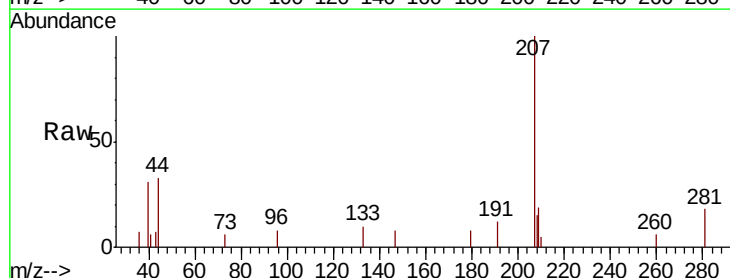
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

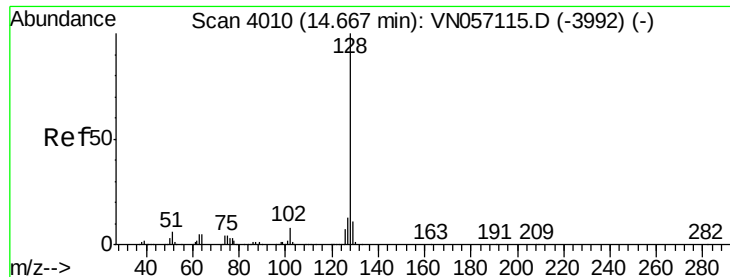
Tgt Ion: 75 Resp: 274949
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.6 106.0#
 89 0.0 36.4 54.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.955 ug/l
 RT: 14.45 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VN057153.D
 Acq: 9 Aug 2019 17:58

Tgt Ion: 180 Resp: 165
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.6#
 145 19.4 14.1 42.2





#95

Naphthalene

Concen: 2.805 ug/l

RT: 14.67 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

I.BLK

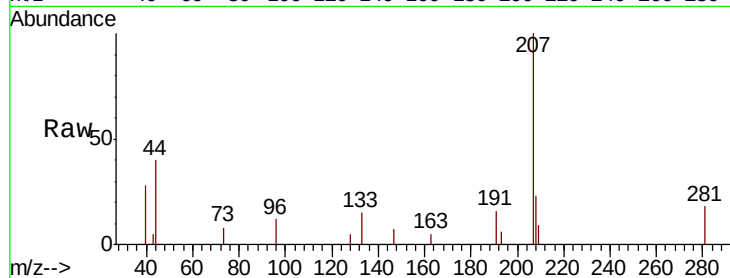
Tgt Ion:128 Resp: 30

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

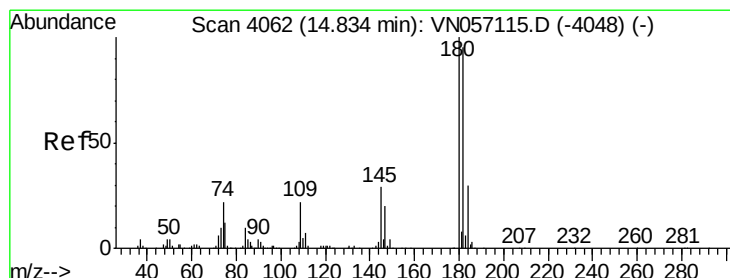
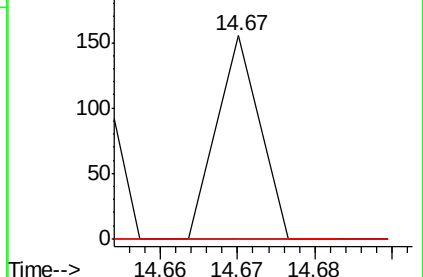
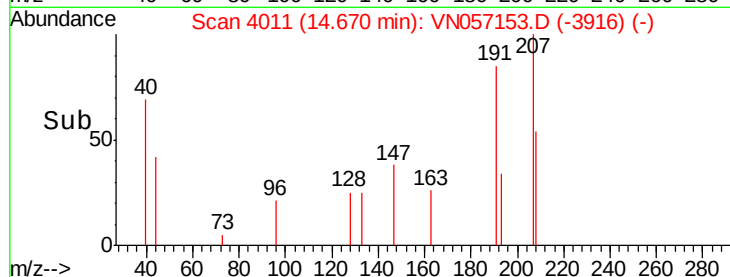
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.749 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VN057153.D

Acq: 9 Aug 2019 17:58

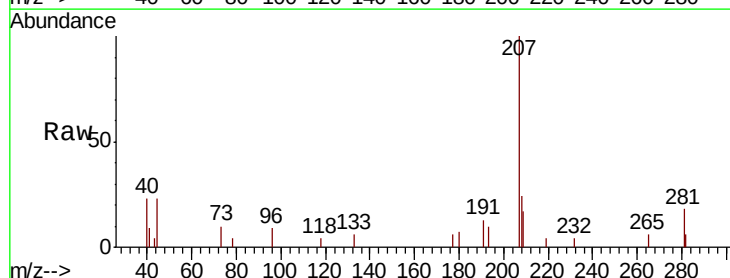
Tgt Ion:180 Resp: 192

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.8#

145 0.0 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

