

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057151.D
 Acq On : 9 Aug 2019 17:09
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Aug 10 02:13:51 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

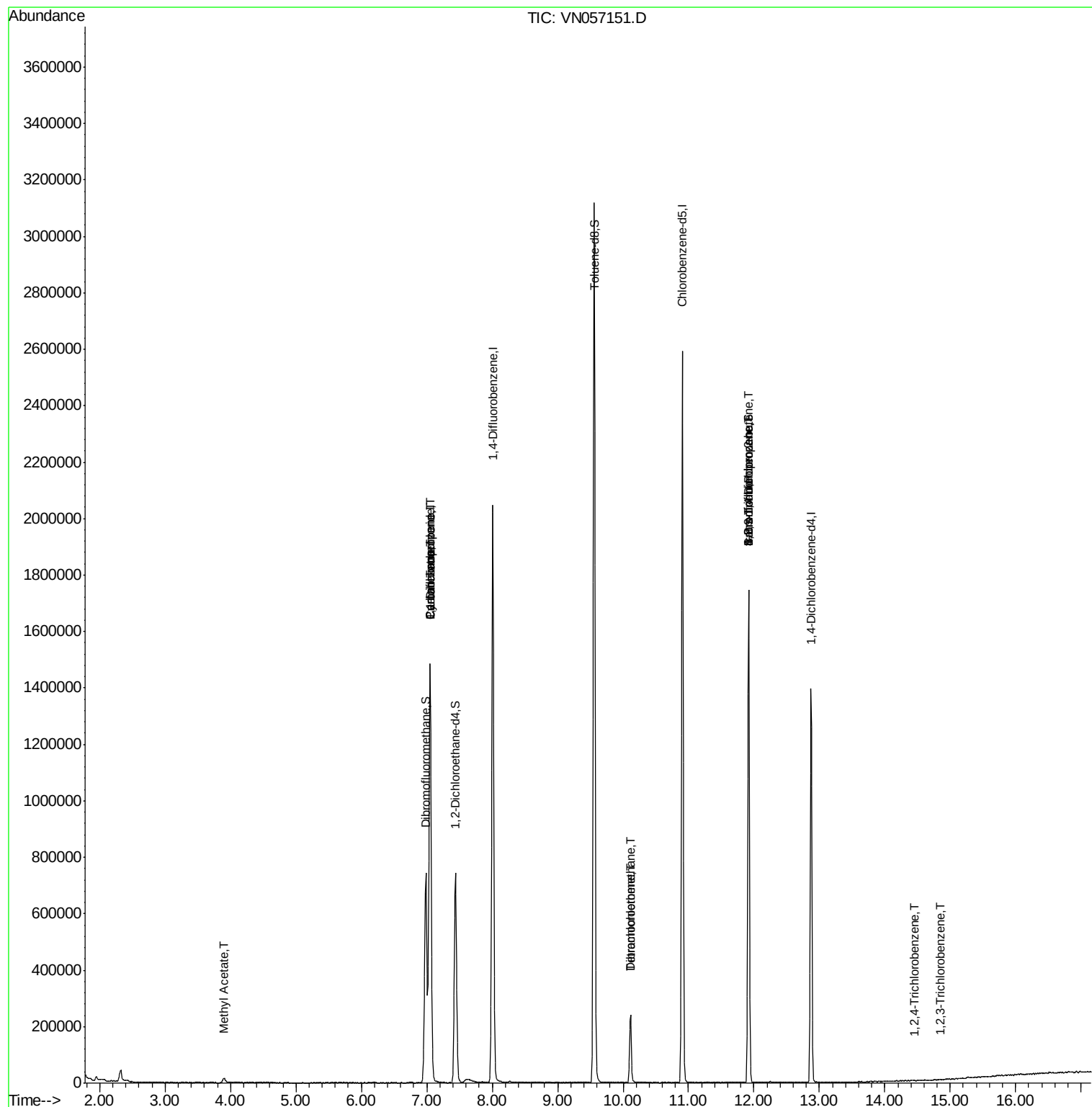
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1428251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	2003546	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1638889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	410309	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	668259	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	6.98	113	603232	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	9.56	98	2327329	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.92	95	604958	39.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.06%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	3.90	43	29954	1.631	ug/l	98
31) Cyclohexane	7.05	56	21346	1.002	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	85236	5.167	ug/l #	48
37) Ethyl Acetate	6.28	43	32	Below Cal	#	70
38) Carbon Tetrachloride	7.05	117	118734	6.906	ug/l #	17
60) Dibromochloromethane	10.11	129	50360	3.762	ug/l #	11
64) Tetrachloroethene	10.11	164	64344	4.721	ug/l	96
71) Bromoform	11.91	173	3208	0.355	ug/l #	1
73) Isopropylbenzene	11.77	105	78	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.92	83	118	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.92	75	276636	33.569	ug/l #	100
79) 2-Chlorotoluene	12.20	91	67	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	11.92	75	276636	99.133	ug/l #	14
83) tert-Butylbenzene	12.53	119	105	Below Cal	#	28
90) Hexachloroethane	13.24	117	63	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.46	180	407	5.990	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.85	180	194	5.749	ug/l #	49

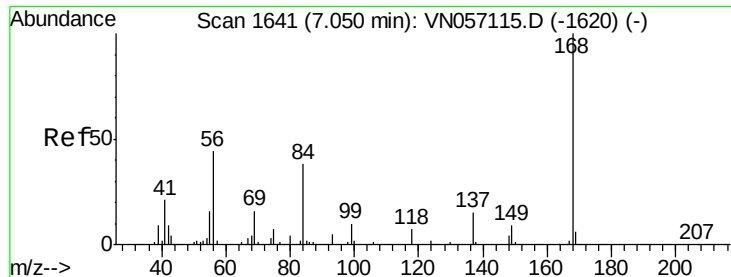
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

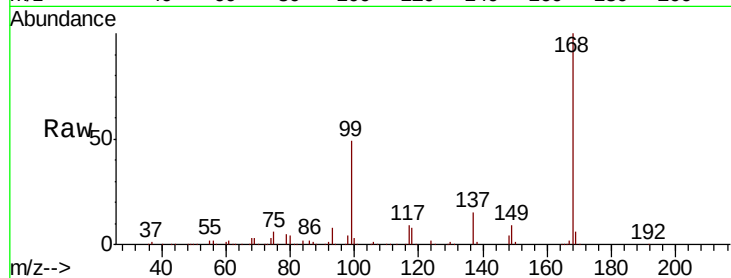
I.BLK

Tgt Ion:168 Resp: 1428251

Ion Ratio Lower Upper

168 100

99 48.7 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

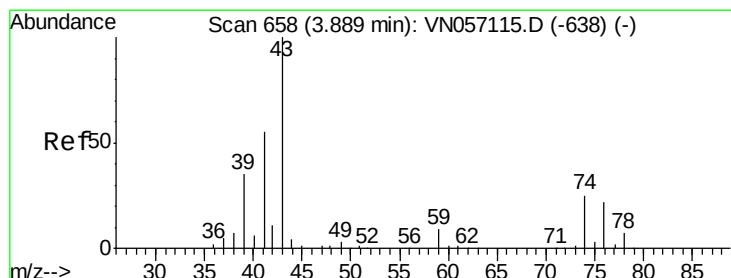
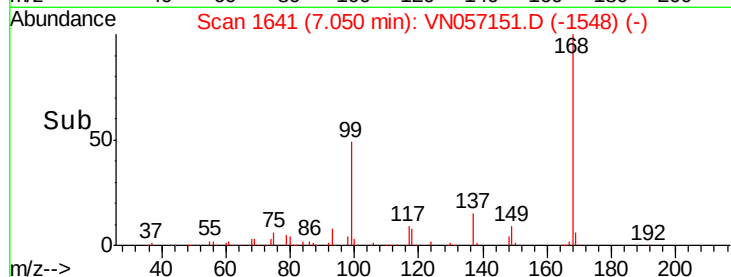
200000

100000

0

7.00 7.10

Time-->



#18

Methyl Acetate

Concen: 1.631 ug/l

RT: 3.90 min Scan# 662

Delta R.T. 0.01 min

Lab File: VN057151.D

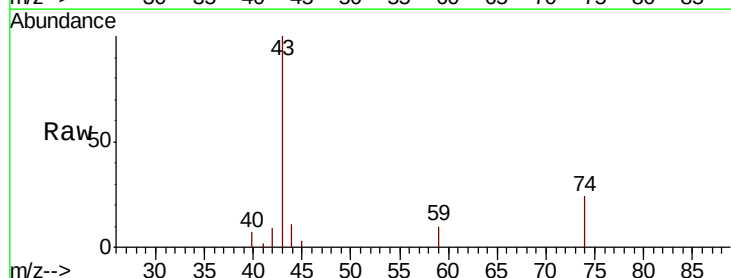
Acq: 9 Aug 2019 17:09

Tgt Ion: 43 Resp: 29954

Ion Ratio Lower Upper

43 100

74 24.3 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

12000

10000

8000

6000

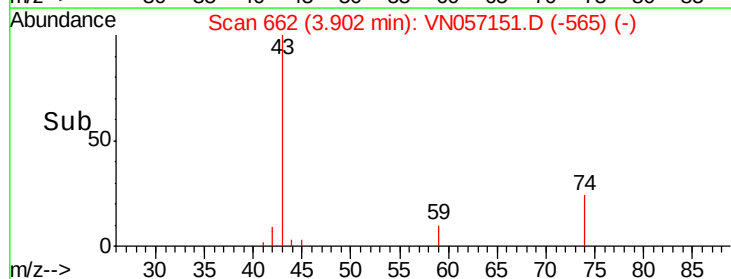
4000

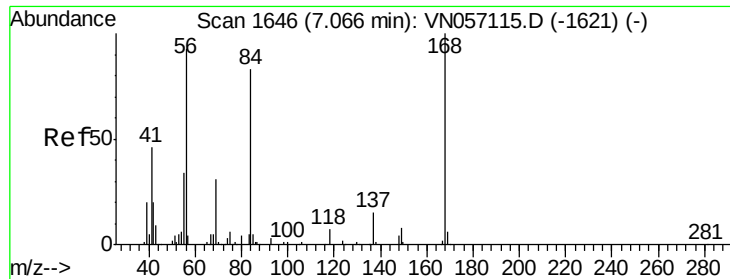
2000

0

3.80 3.85 3.90 3.95 4.00

Time-->

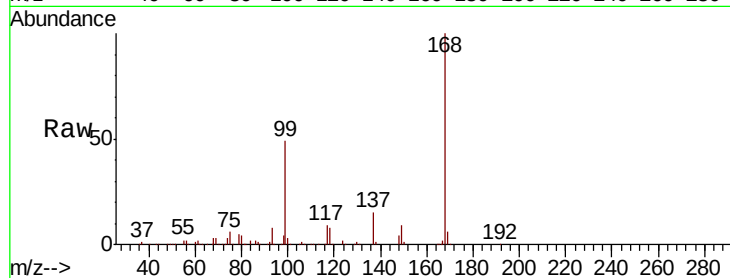




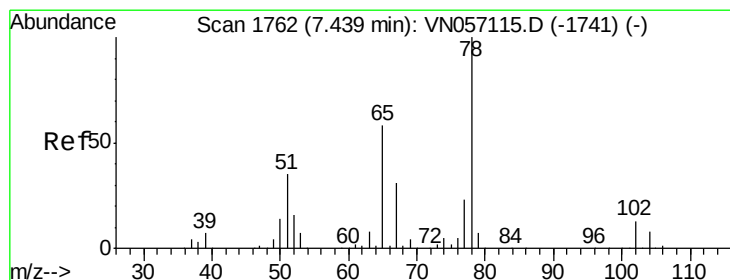
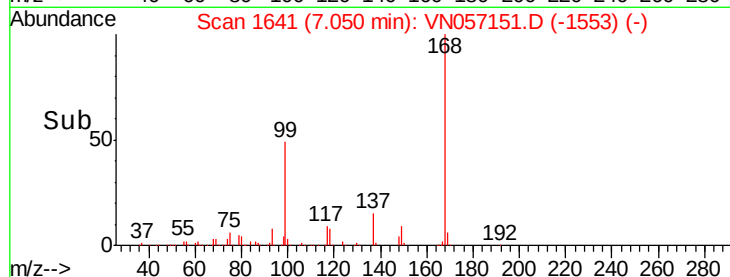
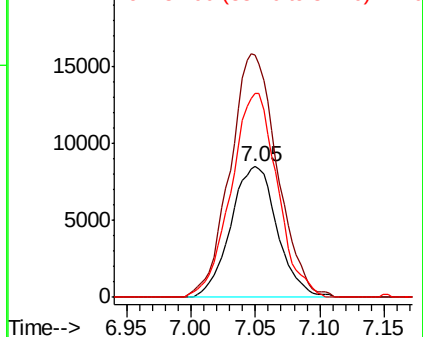
#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.05 min Scan# 1641
Delta R.T. -0.02 min
Lab File: VN057151.D
Acq: 9 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tgt Ion: 56 Resp: 21346
Ion Ratio Lower Upper
56 100
69 185.4 26.9 40.3#
84 155.5 71.9 107.9#

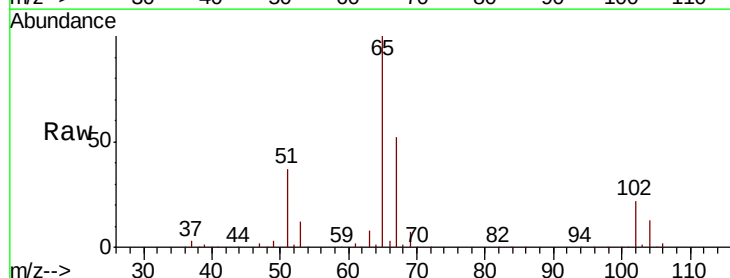


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

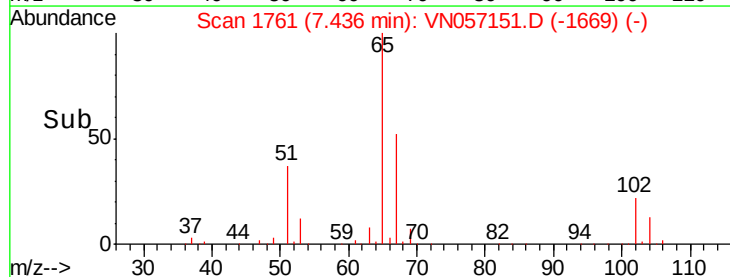
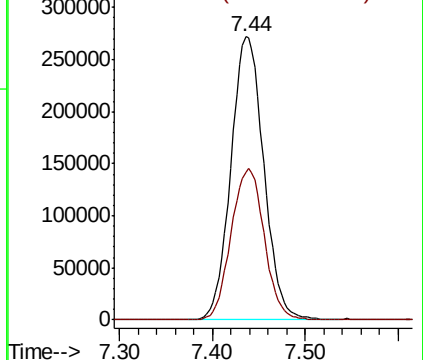


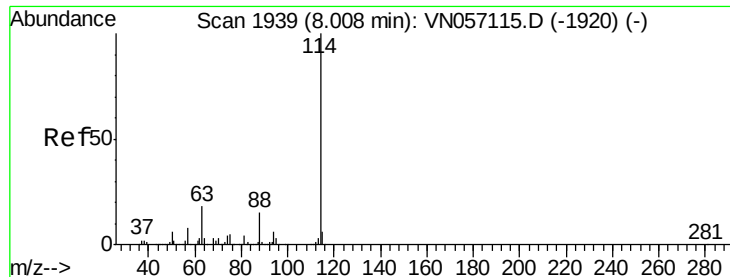
#33
1,2-Dichloroethane-d4
Concen: 45.495 ug/l
RT: 7.44 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VN057151.D
Acq: 9 Aug 2019 17:09

Tgt Ion: 65 Resp: 668259
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.2



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

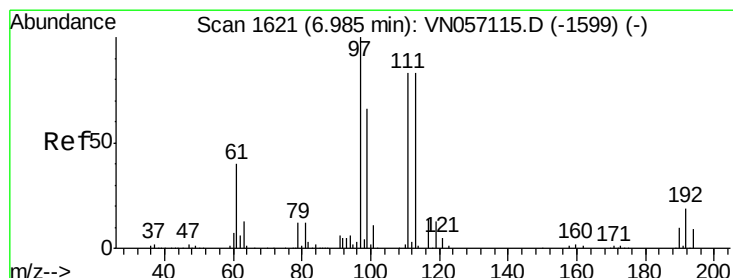
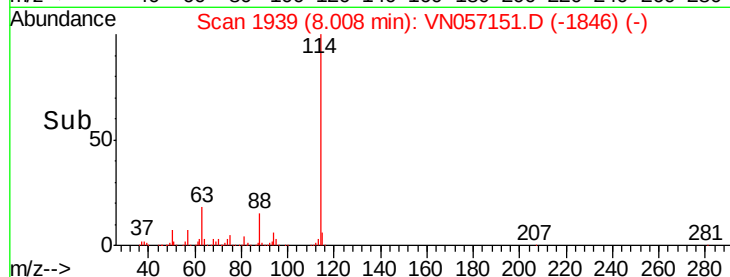
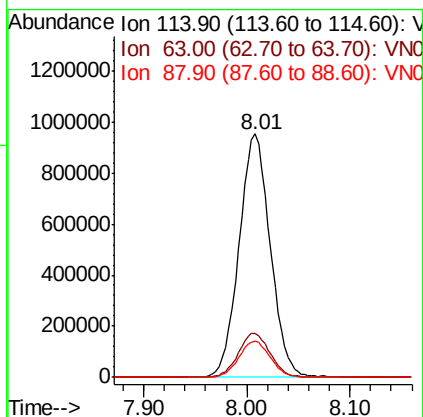
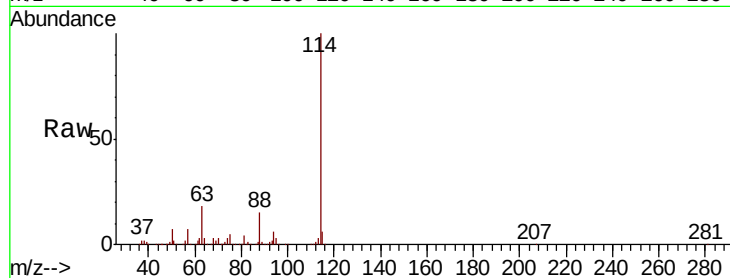




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. -0.00 min
Lab File: VN057151.D
Acq: 9 Aug 2019 17:09

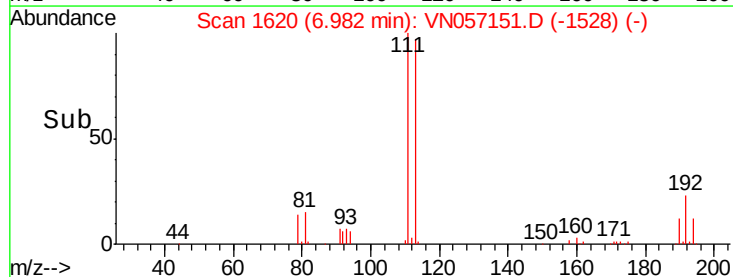
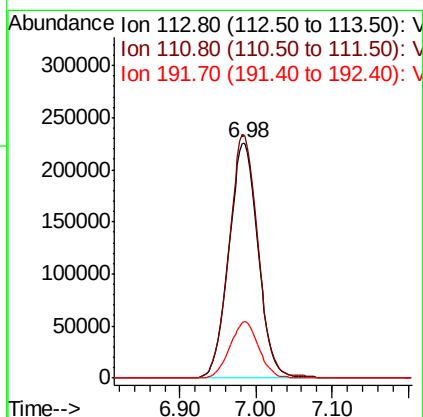
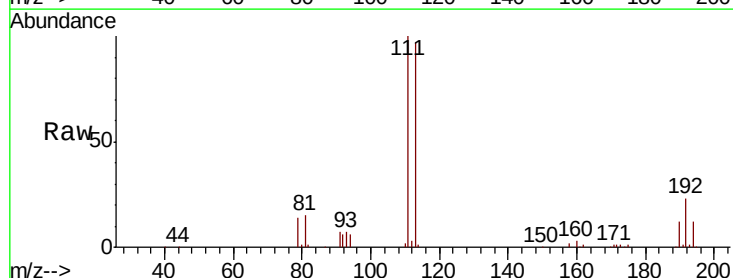
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

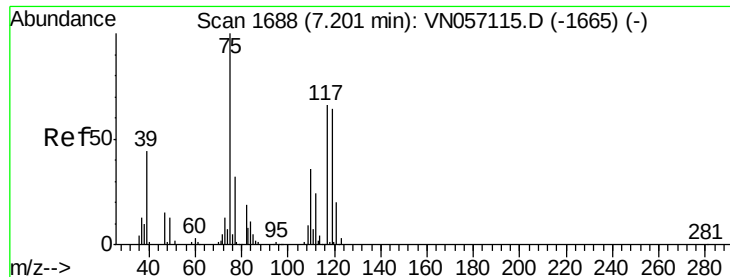
Tgt Ion:114 Resp: 2003546
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.2
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 47.980 ug/l
RT: 6.98 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VN057151.D
Acq: 9 Aug 2019 17:09

Tgt Ion:113 Resp: 603232
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 23.7 19.0 28.4





#36

1,1-Dichloropropene

Concen: 5.167 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.15 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

I.BLK

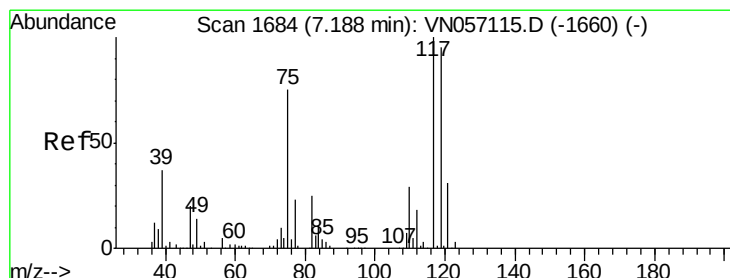
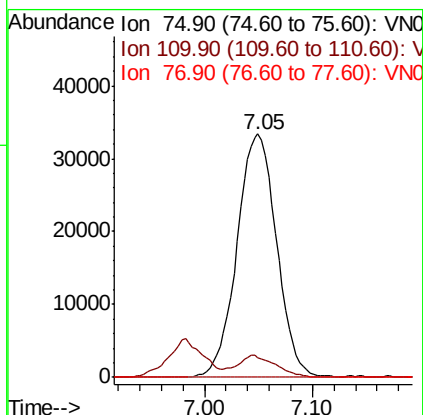
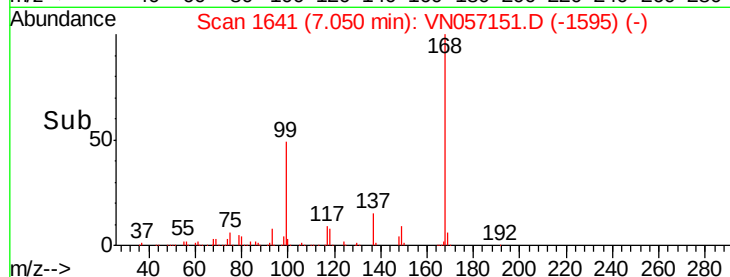
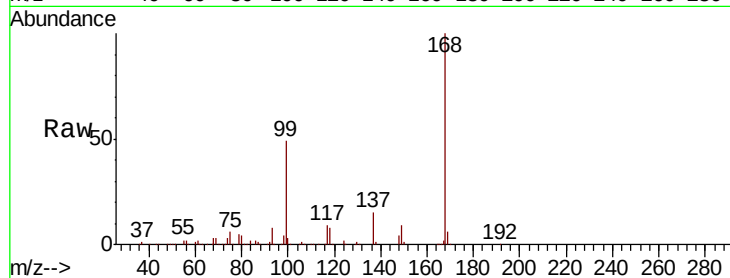
Tgt Ion: 75 Resp: 85236

Ion Ratio Lower Upper

75 100

110 8.9 18.7 56.1#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.906 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.14 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

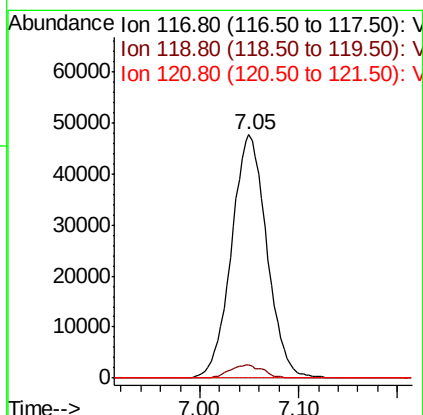
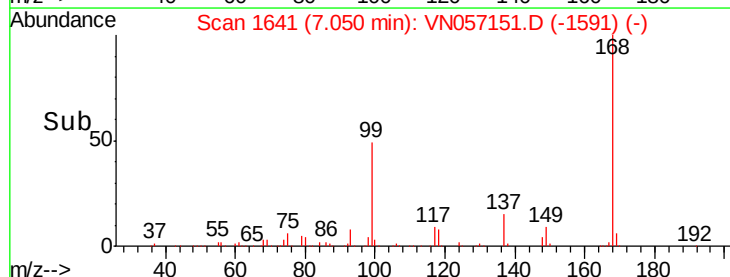
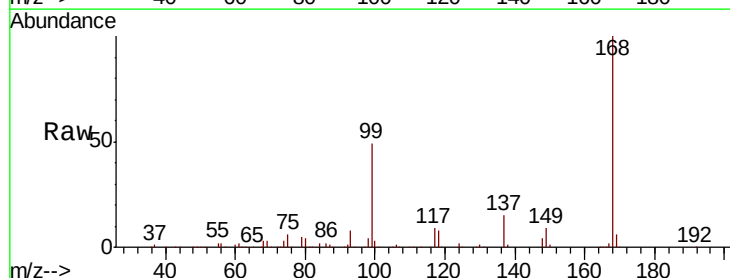
Tgt Ion: 117 Resp: 118734

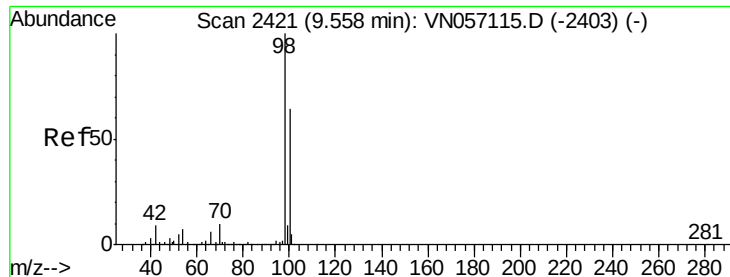
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 24.4 36.6#

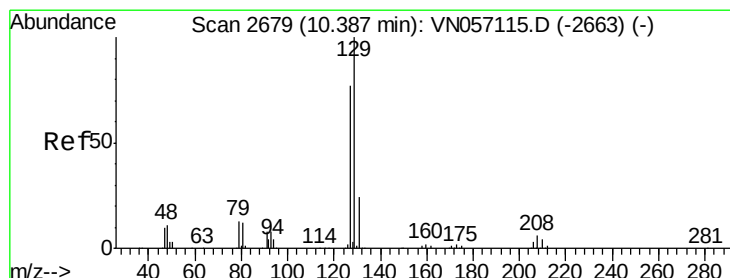
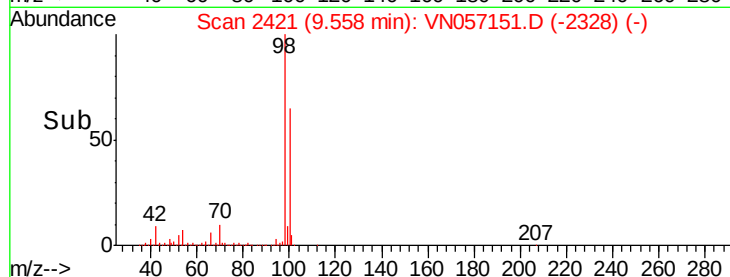
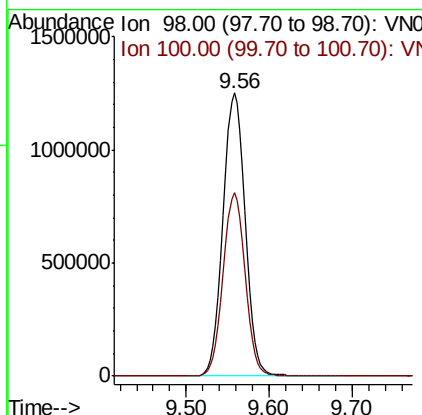
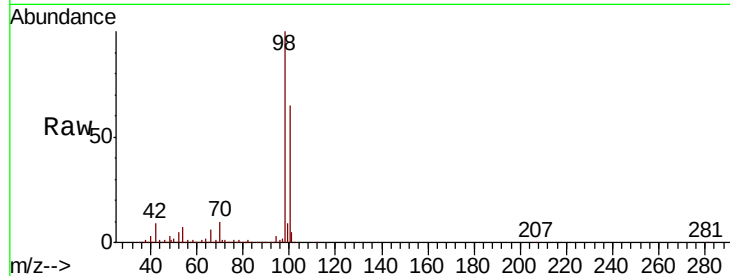




#50
Toluene-d8
Concen: 48.385 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057151.D
Acq: 9 Aug 2019 17:09

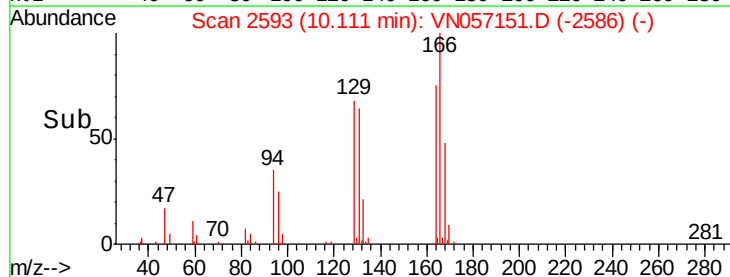
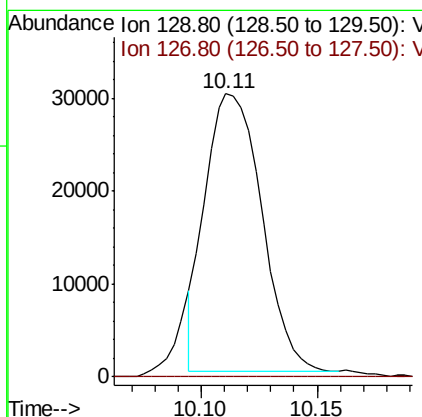
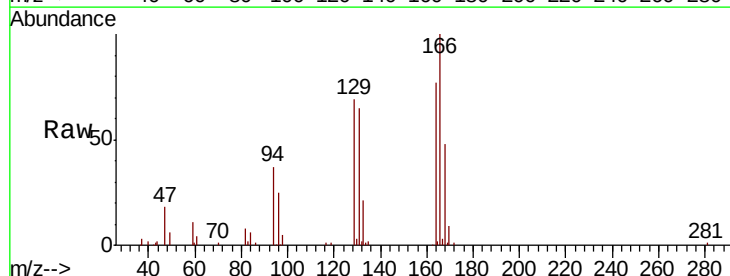
Instrument :
MSVOA_N
ClientSampled :
I.BLK

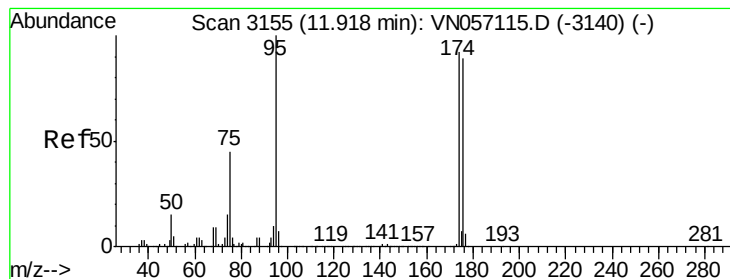
Tgt Ion: 98 Resp: 2327329
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#60
Dibromochloromethane
Concen: 3.762 ug/l
RT: 10.11 min Scan# 2593
Delta R.T. -0.28 min
Lab File: VN057151.D
Acq: 9 Aug 2019 17:09

Tgt Ion: 129 Resp: 50360
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 39.034 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

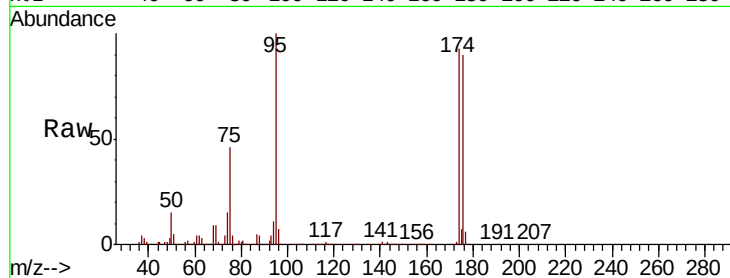
Tgt Ion: 95 Resp: 604958

Ion Ratio Lower Upper

95 100

174 94.8 0.0 185.0

176 91.6 0.0 181.2

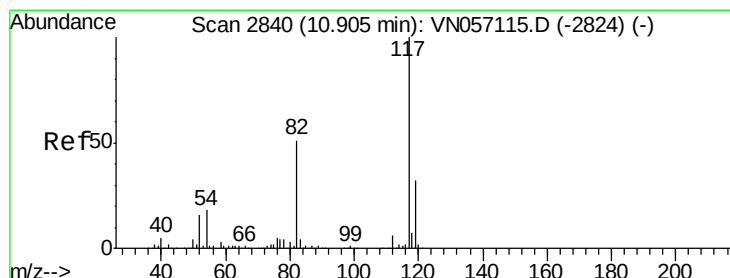
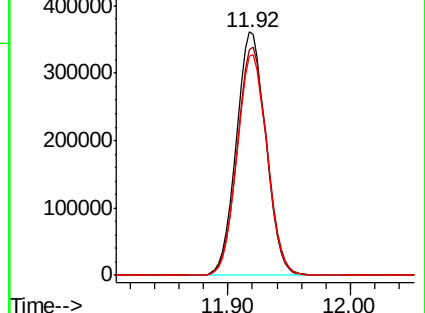
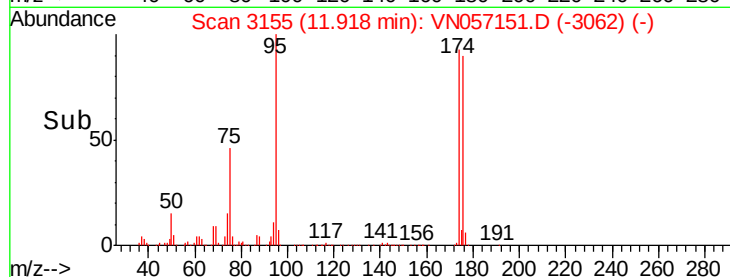


Abundance Ion 94.90 (94.60 to 95.60): VN057115.D (-3140) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

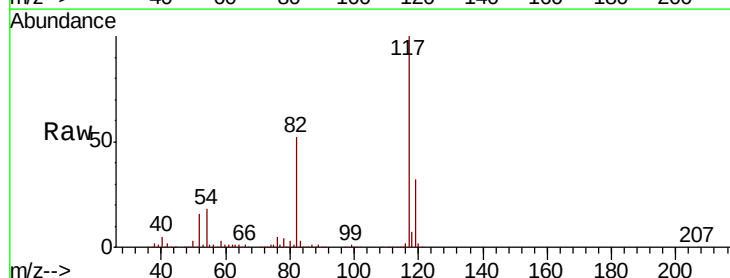
Tgt Ion: 117 Resp: 1638889

Ion Ratio Lower Upper

117 100

82 51.9 40.8 61.2

119 31.7 25.7 38.5

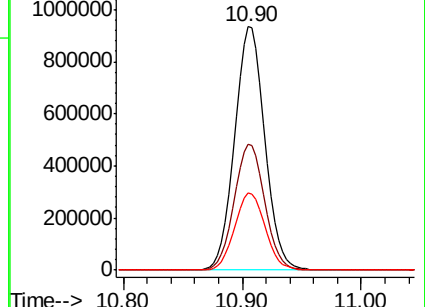
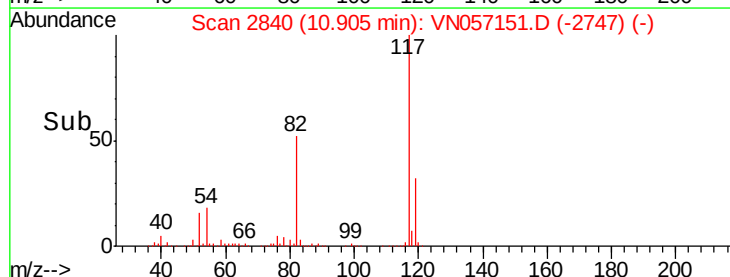


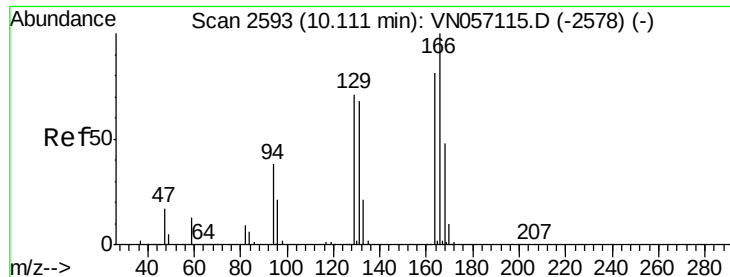
Abundance Ion 116.90 (116.60 to 117.60): VN057115.D (-2824) (-)

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

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

Time-->





#64

Tetrachloroethene

Concen: 4.721 ug/l

RT: 10.11 min Scan# 2593

Delta R.T. -0.00 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

Tgt Ion:164 Resp: 64344

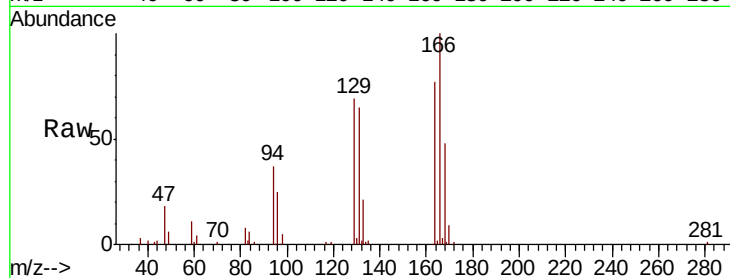
Ion Ratio Lower Upper

164 100

166 130.1 98.3 147.5

129 89.5 69.8 104.6

131 84.2 66.8 100.2

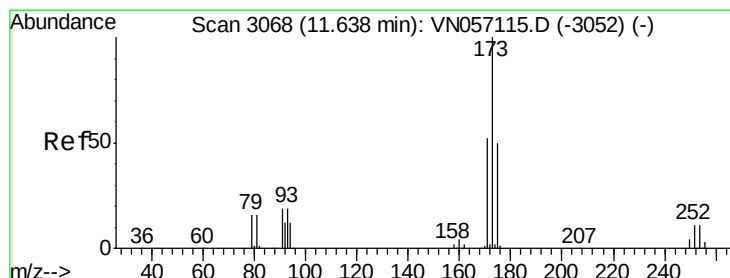
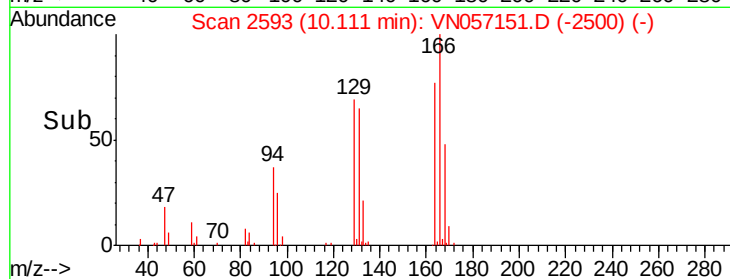
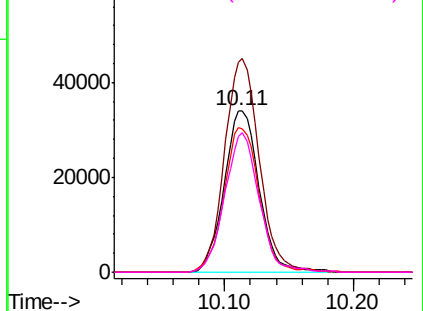


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 0.355 ug/l

RT: 11.91 min Scan# 3154

Delta R.T. 0.28 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

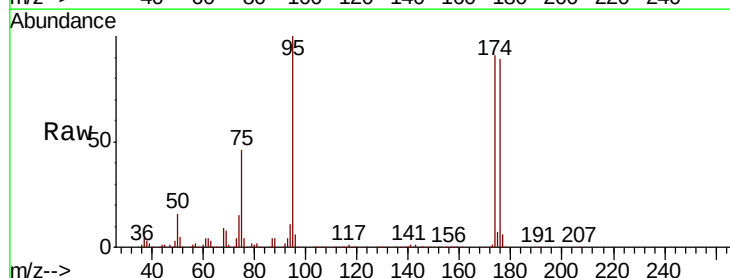
Tgt Ion:173 Resp: 3208

Ion Ratio Lower Upper

173 100

175 955.6 24.6 73.8#

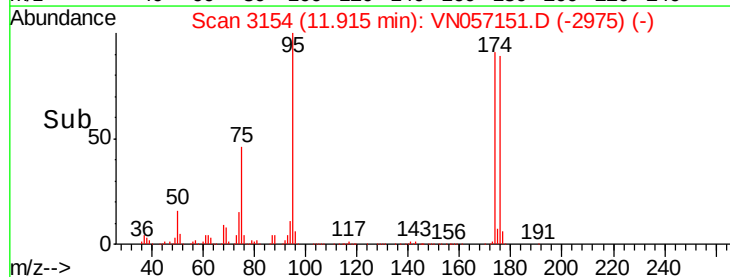
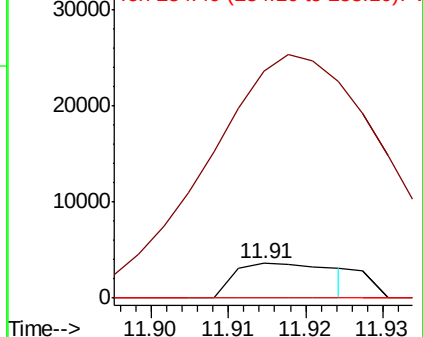
254 0.0 0.1 0.1#

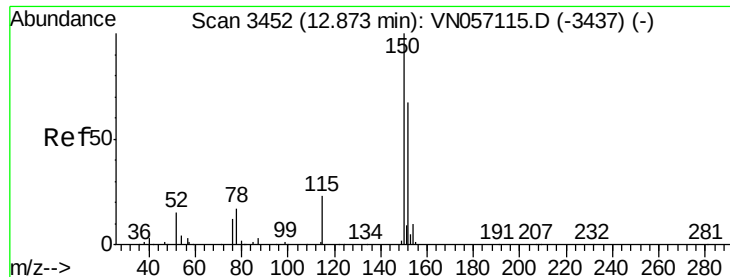


Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

I.BLK

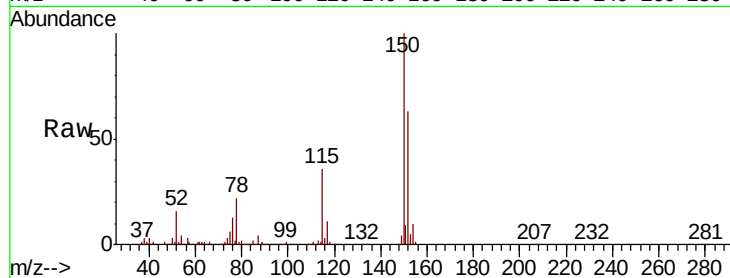
Tgt Ion:152 Resp: 410309

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.5

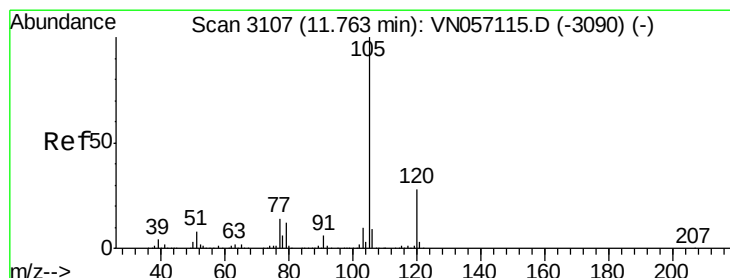
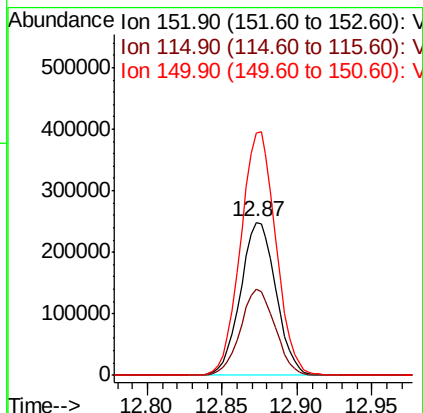
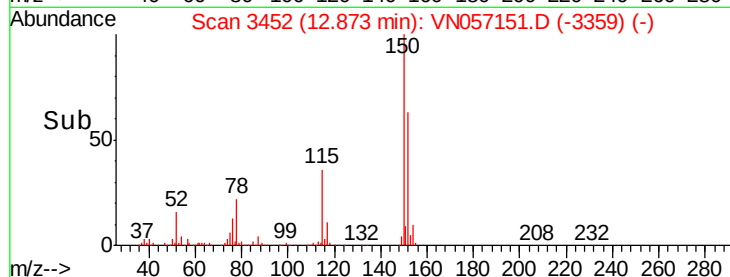
150 158.5 0.0 341.6



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: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057151.D

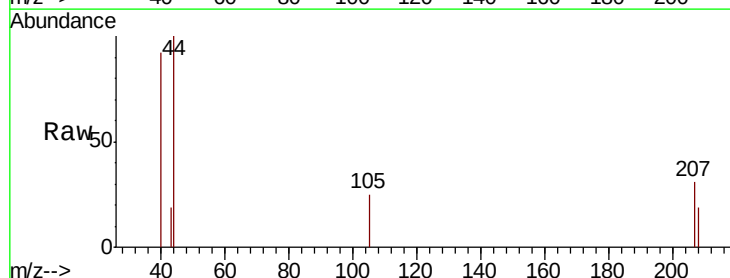
Acq: 9 Aug 2019 17:09

Tgt Ion:105 Resp: 78

Ion Ratio Lower Upper

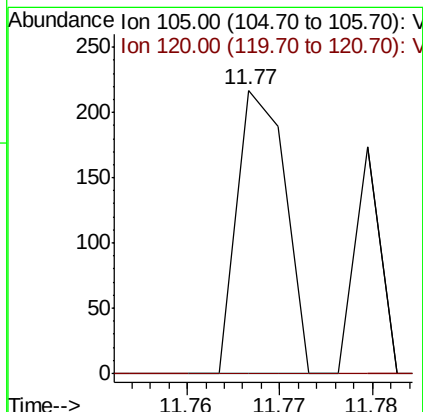
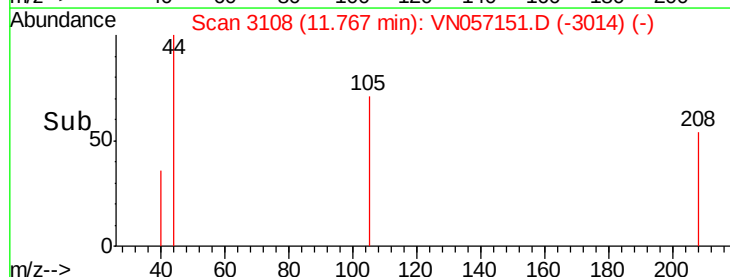
105 100

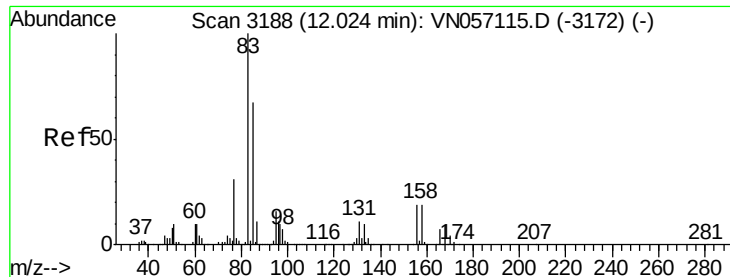
120 0.0 13.7 41.0#



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# 3157

Delta R.T. -0.10 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

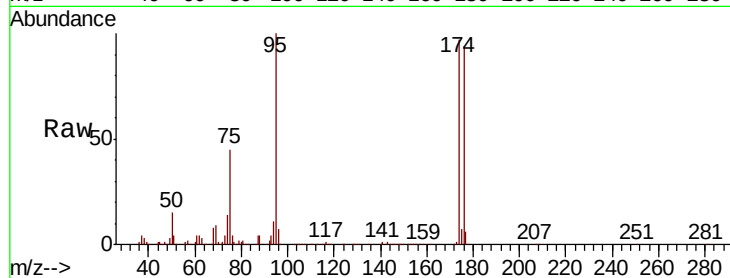
Tgt Ion: 83 Resp: 118

Ion Ratio Lower Upper

83 100

131 816.9 5.5 16.4#

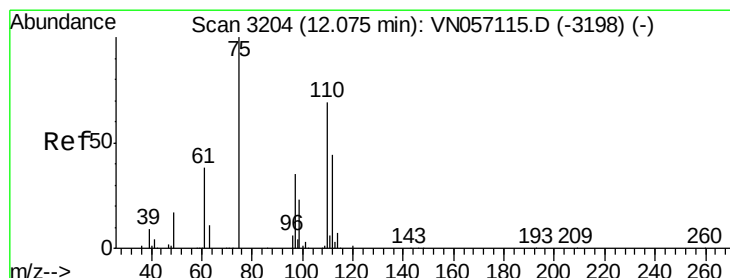
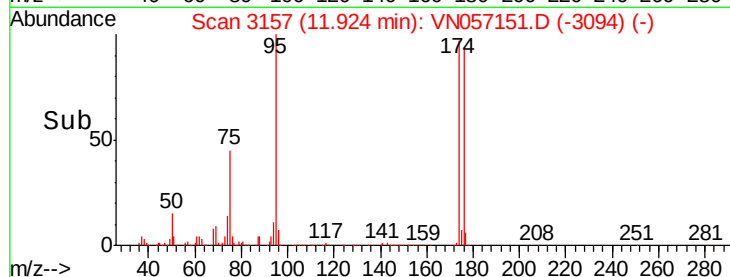
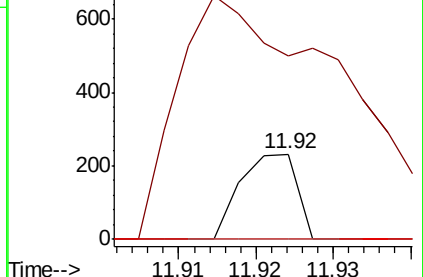
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.569 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.16 min

Lab File: VN057151.D

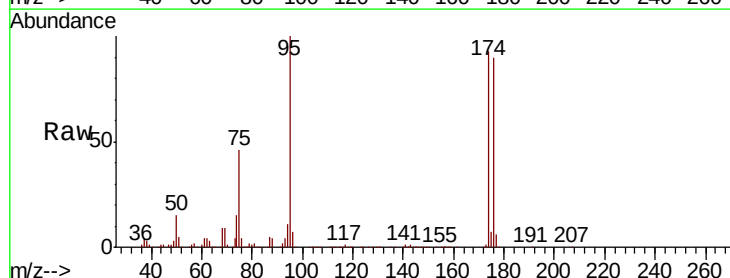
Acq: 9 Aug 2019 17:09

Tgt Ion: 75 Resp: 276636

Ion Ratio Lower Upper

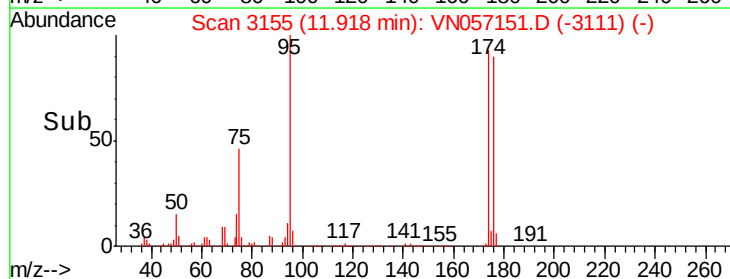
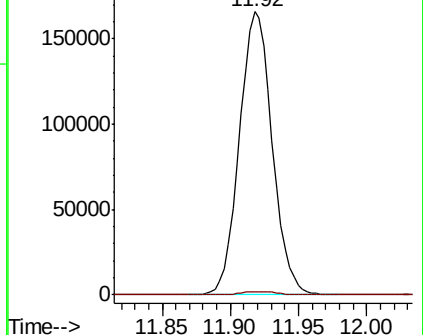
75 100

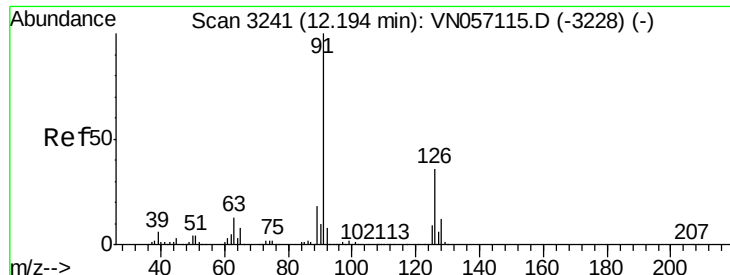
77 1.2 0.0 0.0#



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: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

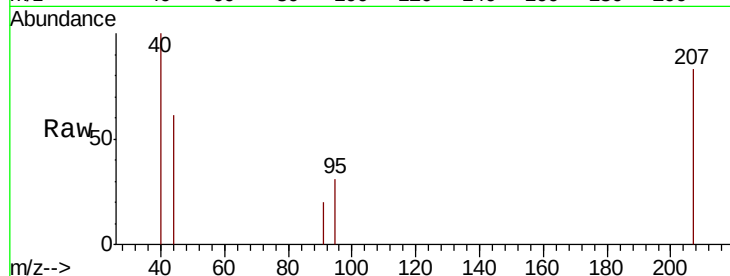
I.BLK

Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

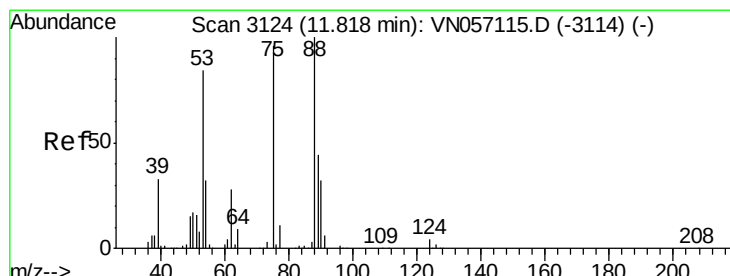
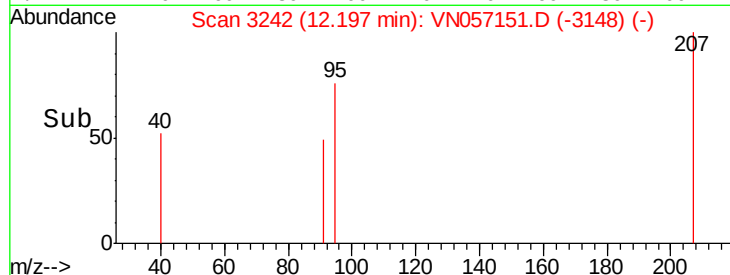
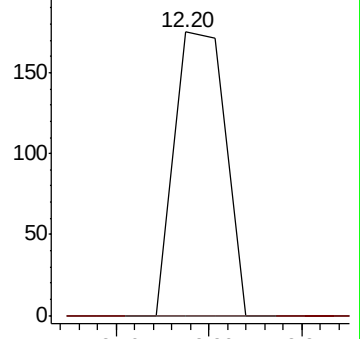
91 100

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: 99.133 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. 0.10 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

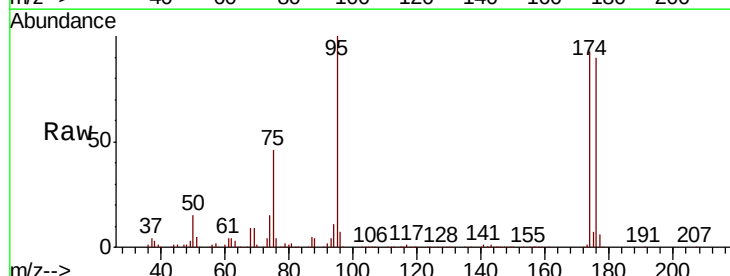
Tgt Ion: 75 Resp: 276636

Ion Ratio Lower Upper

75 100

53 0.0 70.6 106.0#

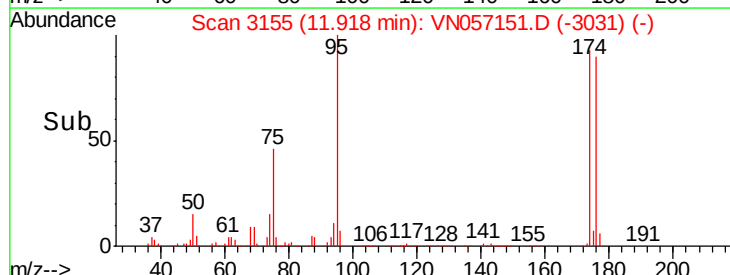
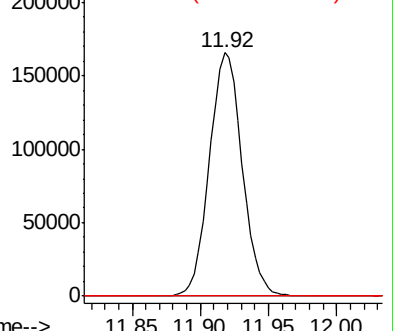
89 0.0 36.4 54.6#

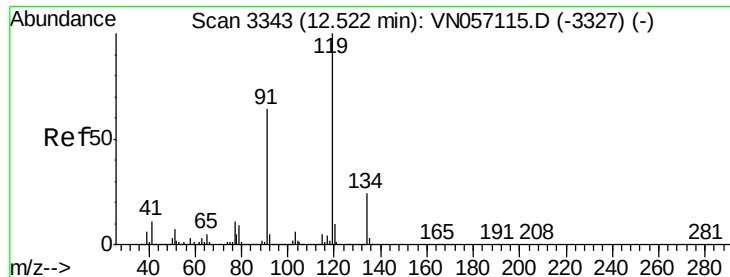


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

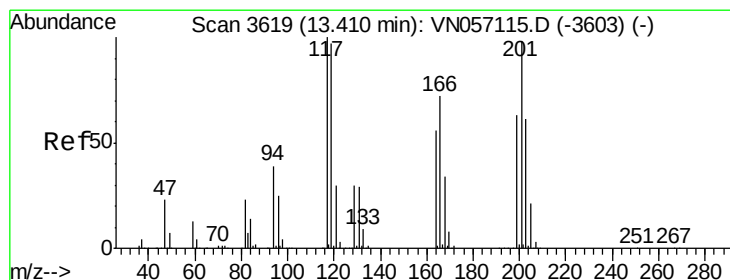
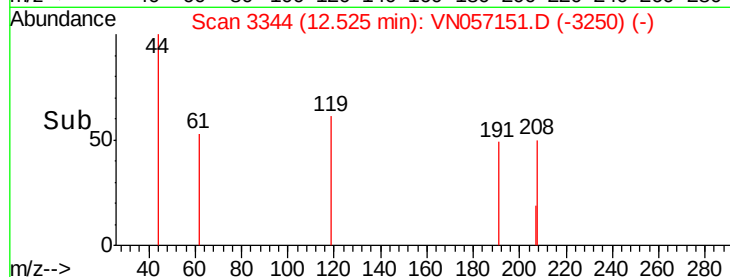
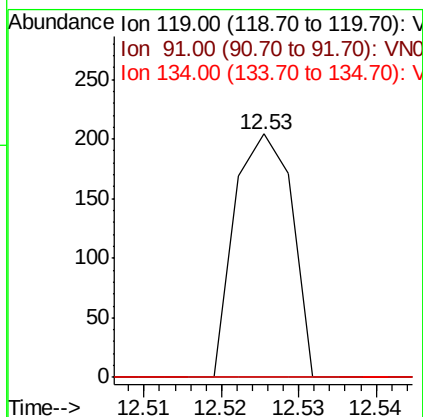
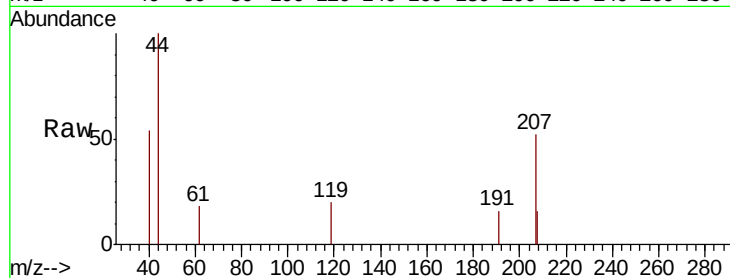




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN057151.D
 Acq: 9 Aug 2019 17:09

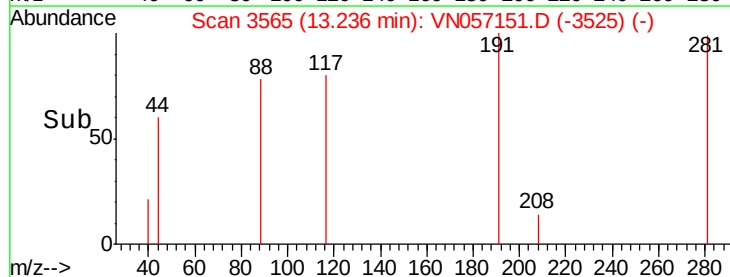
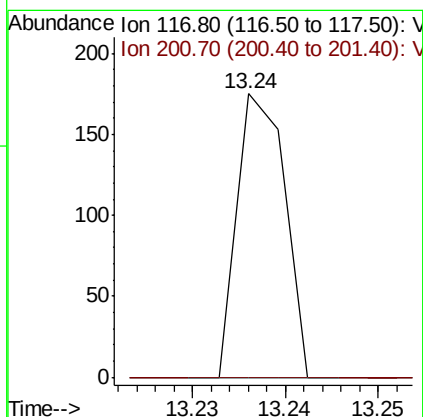
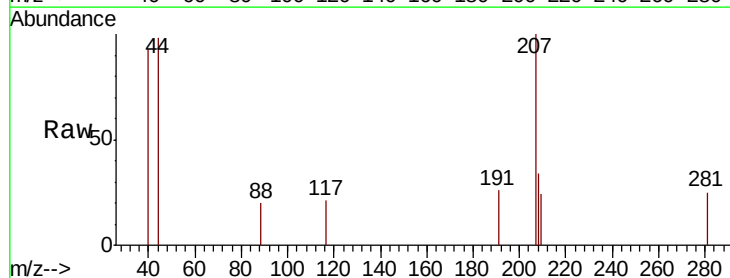
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

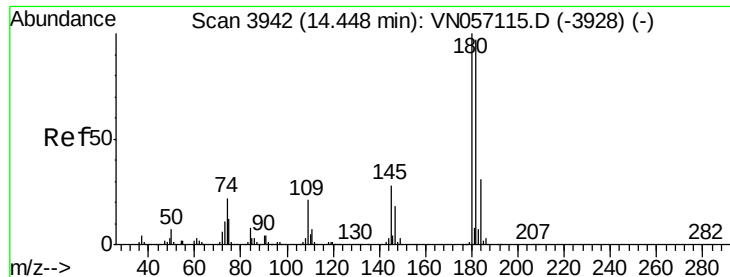
Tgt Ion:119 Resp: 105
 Ion Ratio Lower Upper
 119 100
 91 0.0 31.4 94.2#
 134 0.0 13.2 39.6#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 13.24 min Scan# 3565
 Delta R.T. -0.17 min
 Lab File: VN057151.D
 Acq: 9 Aug 2019 17:09

Tgt Ion:117 Resp: 63
 Ion Ratio Lower Upper
 117 100
 201 0.0 49.3 147.8#





#93

1,2,4-Trichlorobenzene

Concen: 5.990 ug/l

RT: 14.46 min Scan# 3947

Delta R.T. 0.02 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

I.BLK

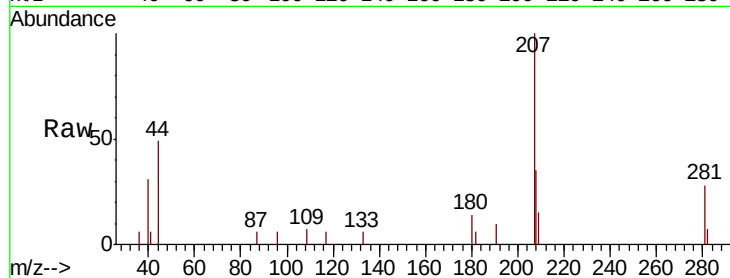
Tgt Ion:180 Resp: 407

Ion Ratio Lower Upper

180 100

182 72.5 47.5 142.6

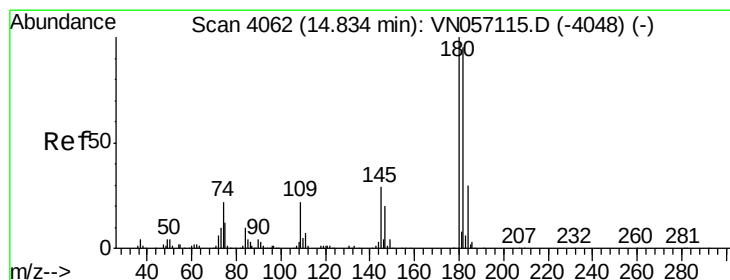
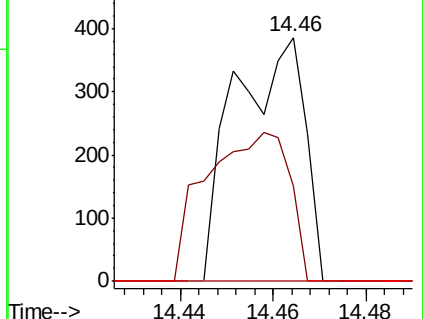
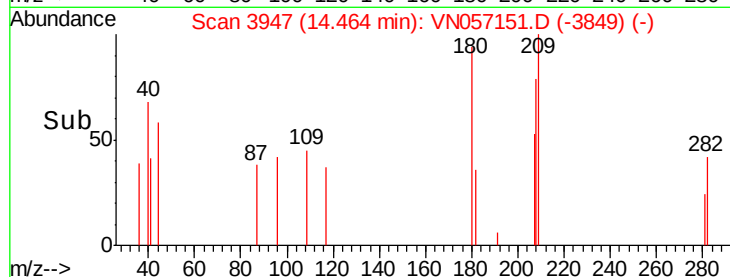
145 0.0 14.1 42.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#96

1,2,3-Trichlorobenzene

Concen: 5.749 ug/l

RT: 14.85 min Scan# 4068

Delta R.T. 0.02 min

Lab File: VN057151.D

Acq: 9 Aug 2019 17:09

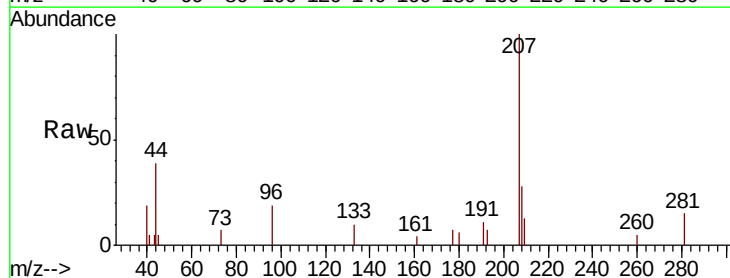
Tgt Ion:180 Resp: 194

Ion Ratio Lower Upper

180 100

182 37.1 48.3 144.8#

145 18.6 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

