

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058256.D
 Acq On : 20 Sep 2019 17:26
 Operator : JC/SP
 Sample : K4975-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20190917DL

Quant Time: Sep 21 03:05:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

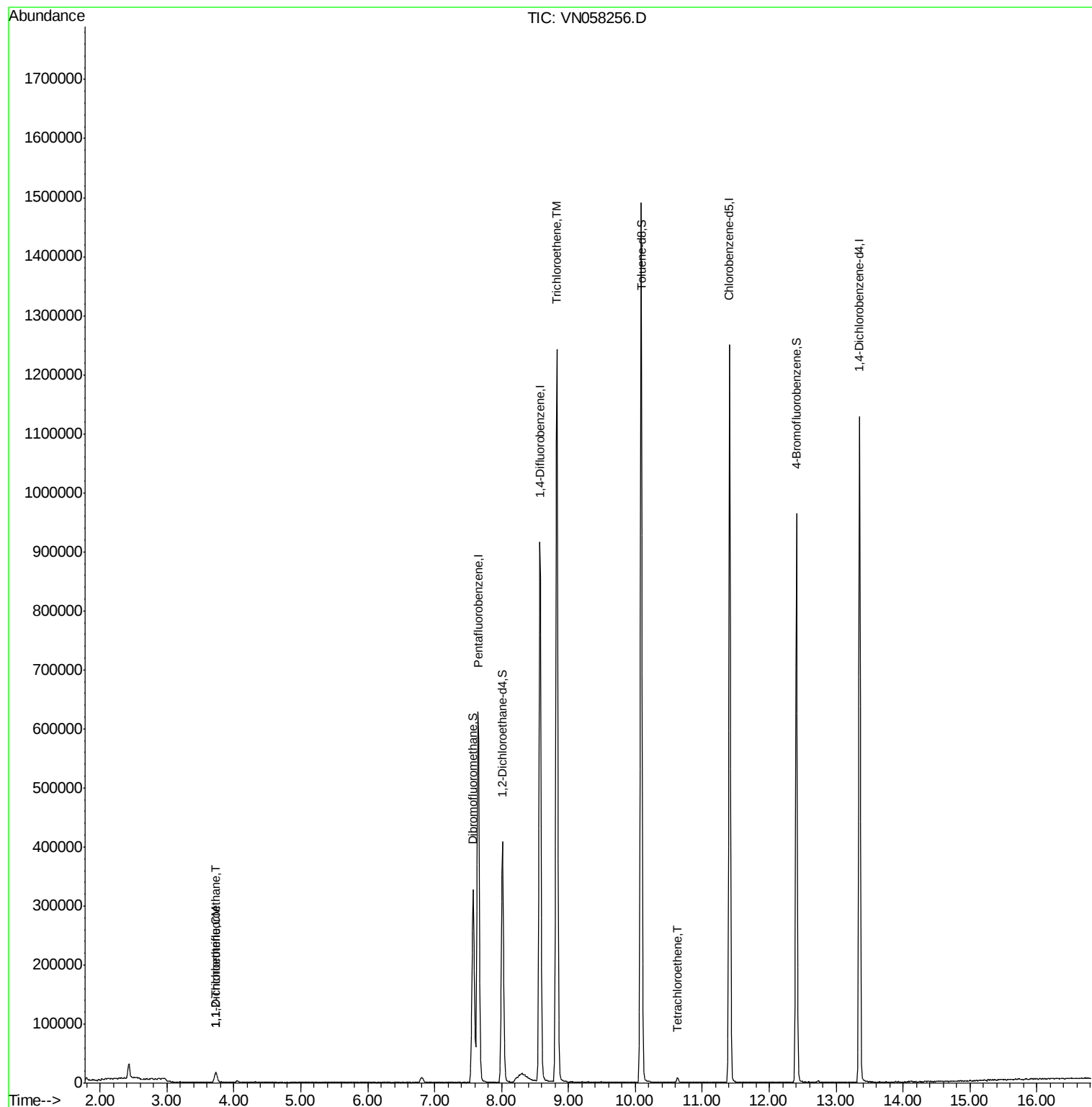
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	481022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	793492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	676635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	357379	53.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.68%	
35) Dibromofluoromethane	7.58	113	244981	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
50) Toluene-d8	10.08	98	1014655	53.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.41	95	328904	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	3.74	101	6950	1.787	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	4247	1.091	ug/l	88
44) Trichloroethene	8.82	130	435439	101.809	ug/l	99
64) Tetrachloroethene	10.63	164	1828	0.554	ug/l #	85

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

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QLast Update : Thu Sep 19 09:27:53 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

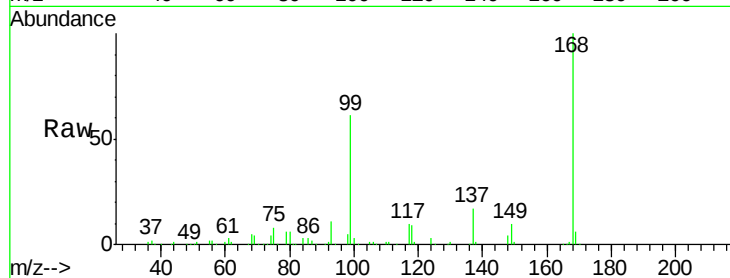
RE120D1-20190917DL

Tot Ion:168 Resp: 481022

Ion Ratio Lower Upper

168 100

99 60.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

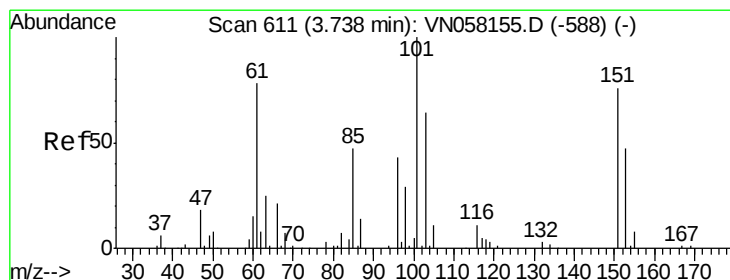
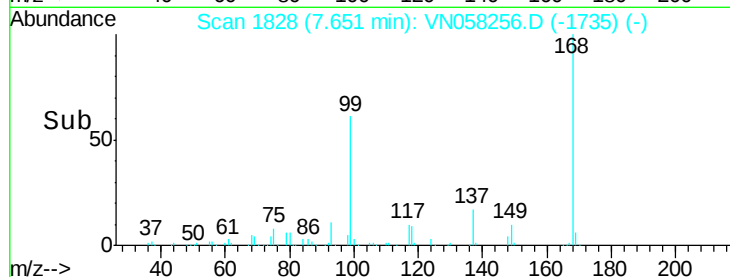
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.787 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

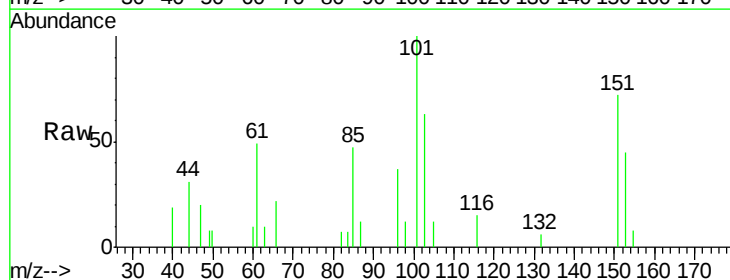
Tgt Ion:101 Resp: 6950

Ion Ratio Lower Upper

101 100

85 24.1 37.3 55.9#

151 74.8 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V

3.74

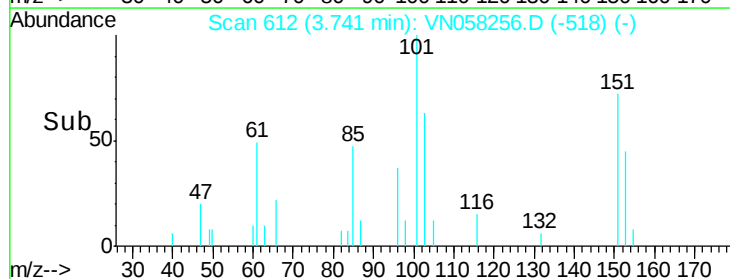
3000

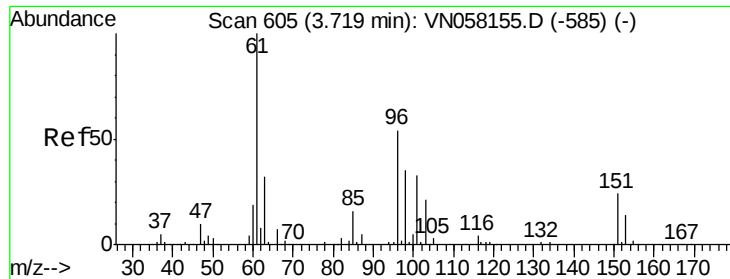
2000

1000

0

Time-->





#12

1,1-Dichloroethene

Concen: 1.091 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20190917DL

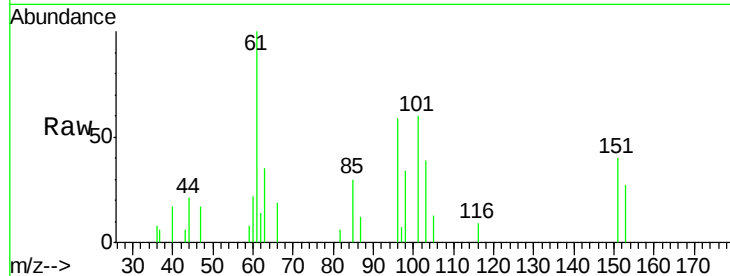
Tot Ion: 96 Resp: 4247

Ion Ratio Lower Upper

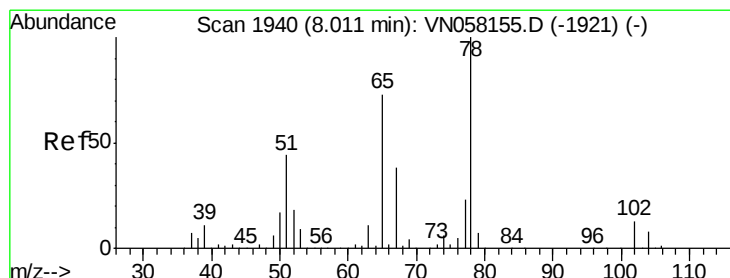
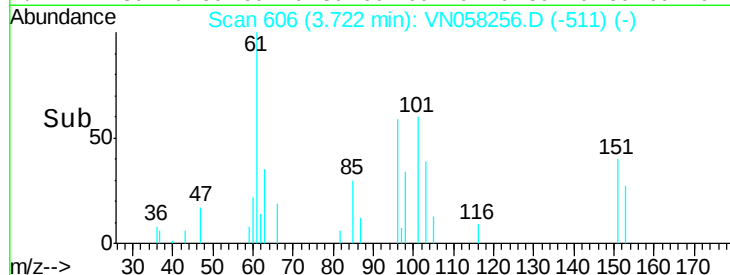
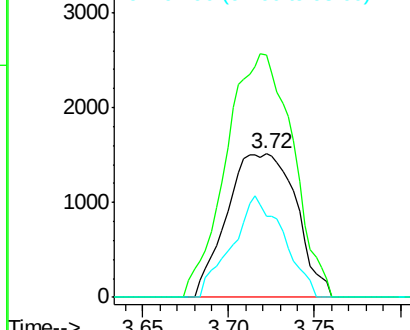
96 100

61 169.2 149.5 224.3

98 56.8 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 53.343 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058256.D

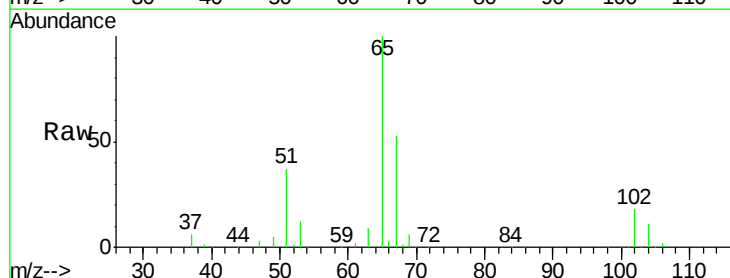
Acq: 20 Sep 2019 17:26

Tgt Ion: 65 Resp: 357379

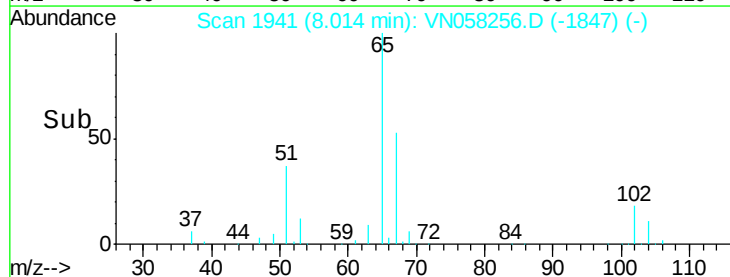
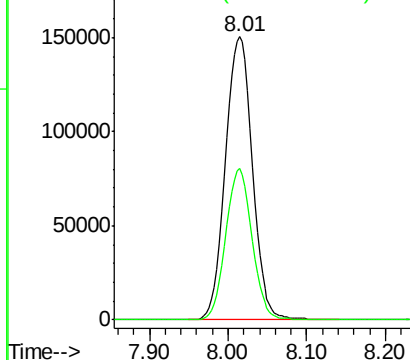
Ion Ratio Lower Upper

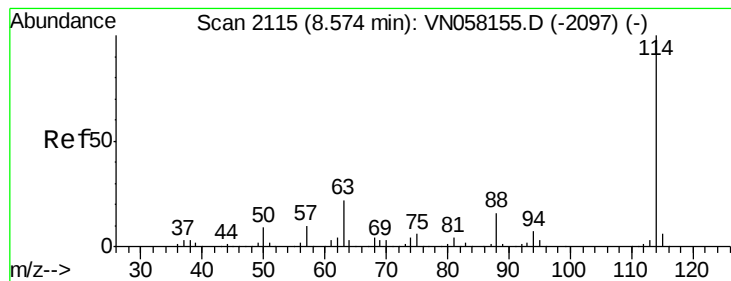
65 100

67 51.8 0.0 103.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20190917DL

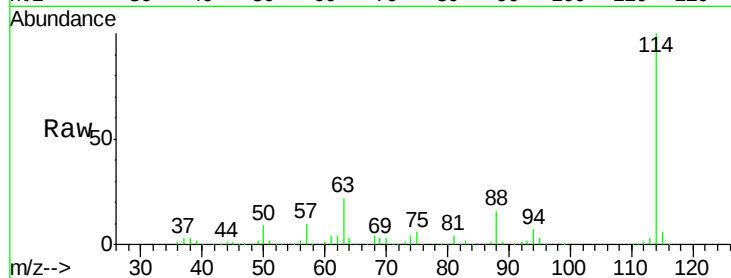
Tot Ion:114 Resp: 793492

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

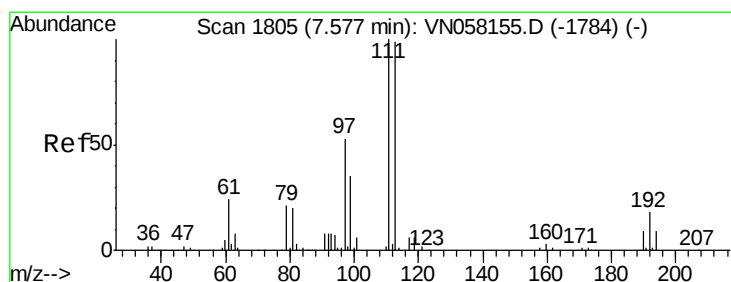
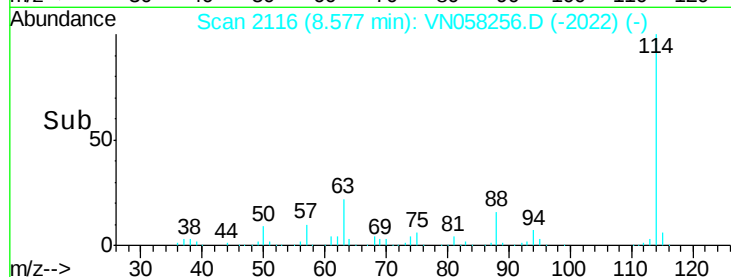
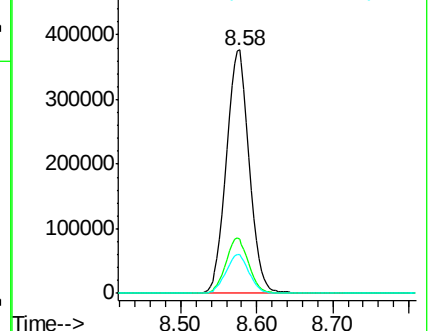
88 16.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.786 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

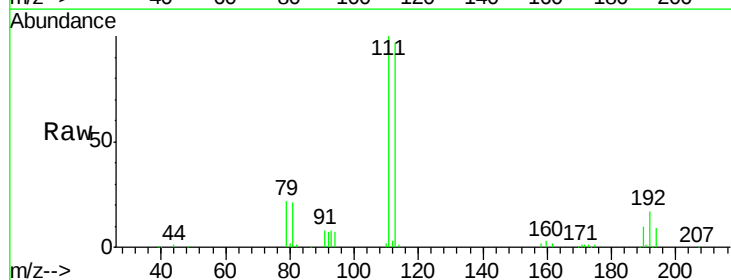
Tgt Ion:113 Resp: 244981

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.6

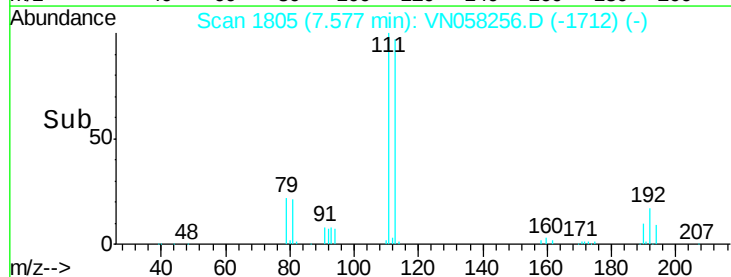
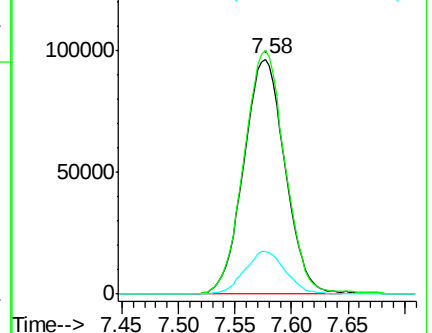
192 18.1 14.5 21.7

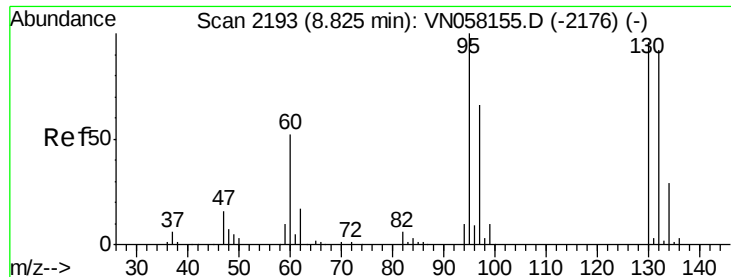


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

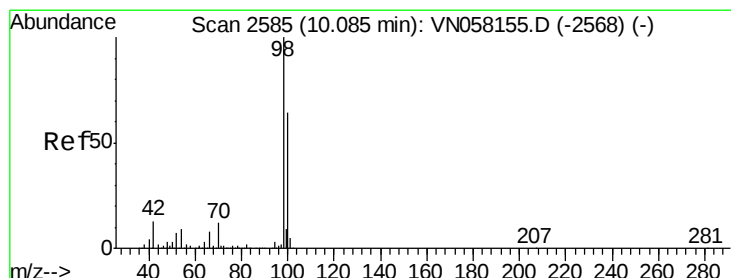
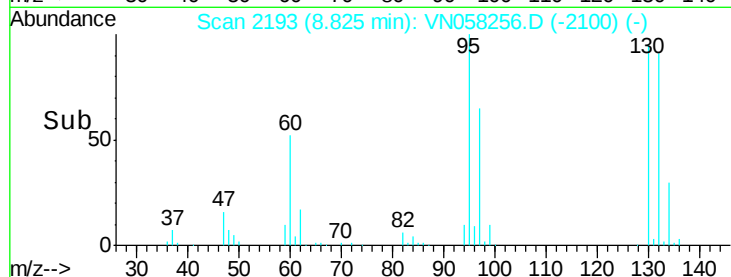
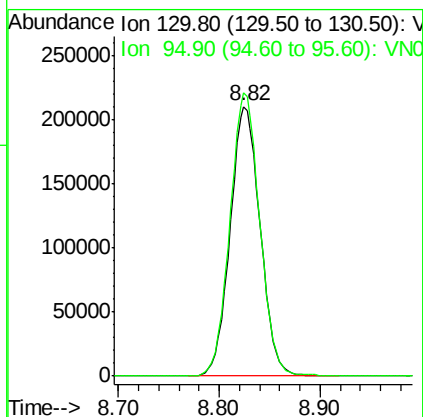
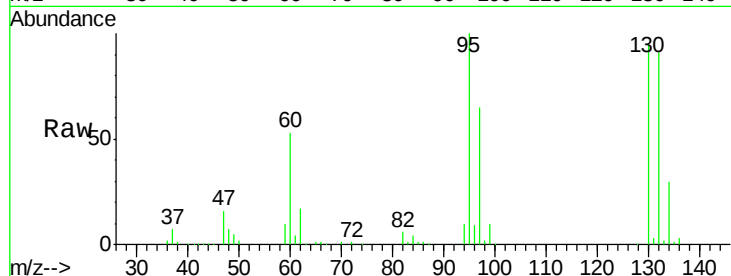




#44
 Trichloroethene
 Concen: 101.809 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058256.D
 Acq: 20 Sep 2019 17:26

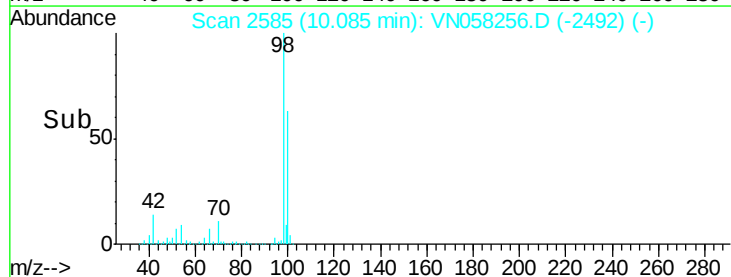
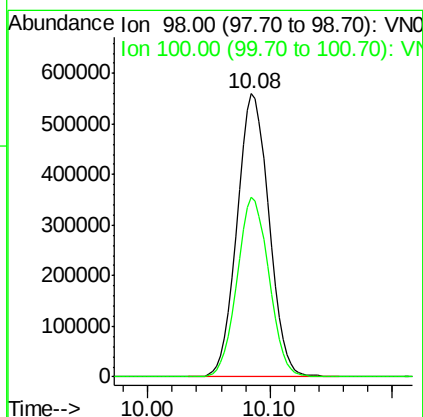
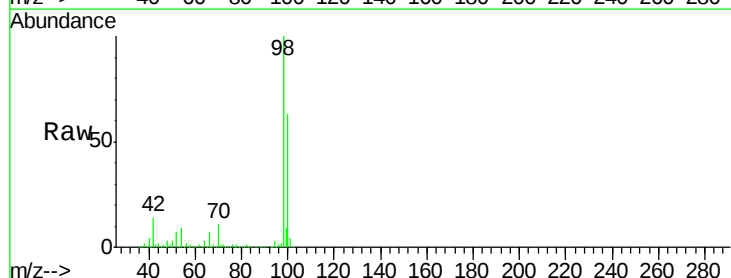
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20190917DL

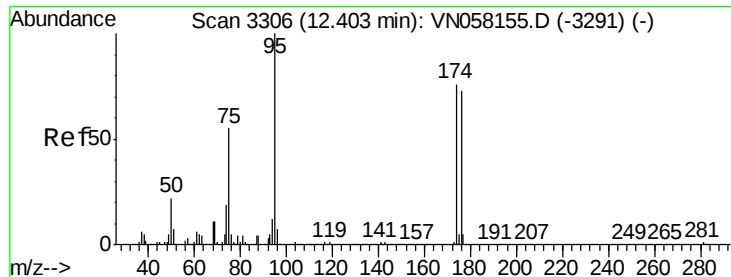
Tot Ion:130 Resp: 435439
 Ion Ratio Lower Upper
 130 100
 95 104.9 0.0 207.8



#50
 Toluene-d8
 Concen: 53.987 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058256.D
 Acq: 20 Sep 2019 17:26

Tgt Ion: 98 Resp: 1014655
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 47.111 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20190917DL

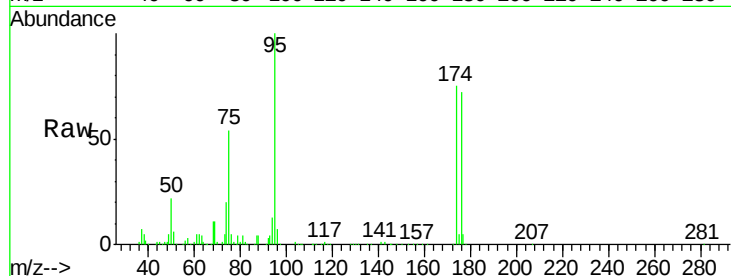
Tot Ion: 95 Resp: 328904

Ion Ratio Lower Upper

95 100

174 73.7 0.0 152.2

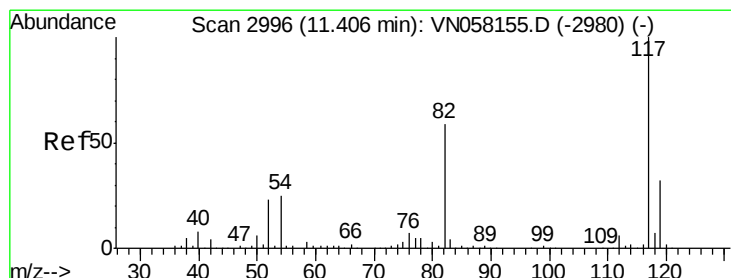
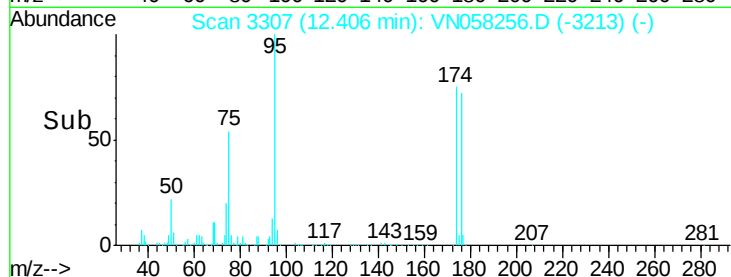
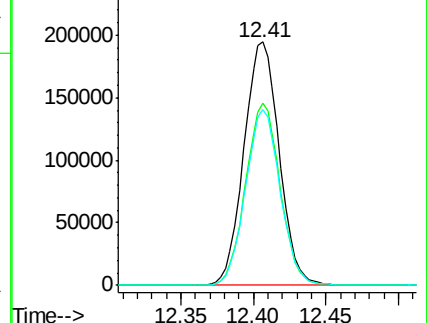
176 71.4 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

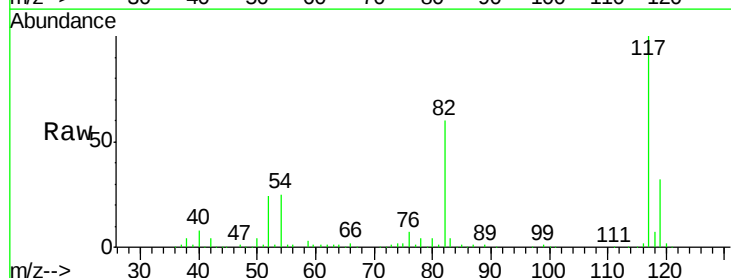
Tgt Ion: 117 Resp: 676635

Ion Ratio Lower Upper

117 100

82 60.0 46.9 70.3

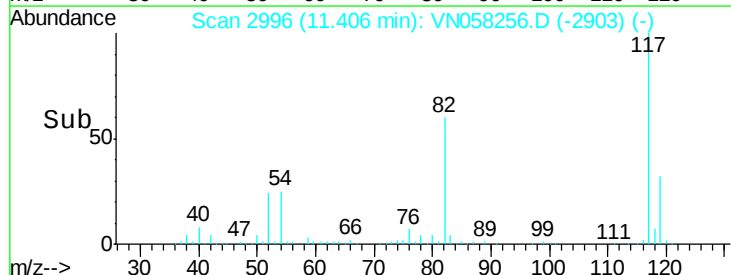
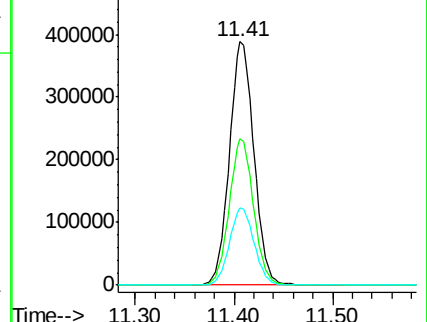
119 31.7 25.3 37.9

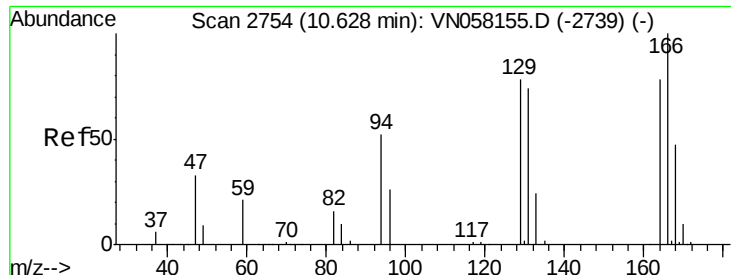


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)





#64

Tetrachloroethene

Concen: 0.554 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.01 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20190917DL

Tot Ion:164 Resp: 1828

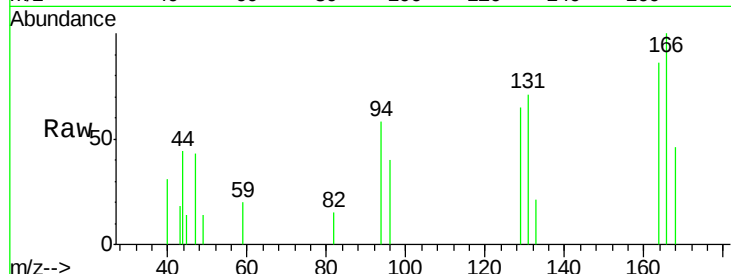
Ion Ratio Lower Upper

164 100

166 116.5 102.2 153.4

129 75.5 79.6 119.4#

131 82.7 76.0 114.0

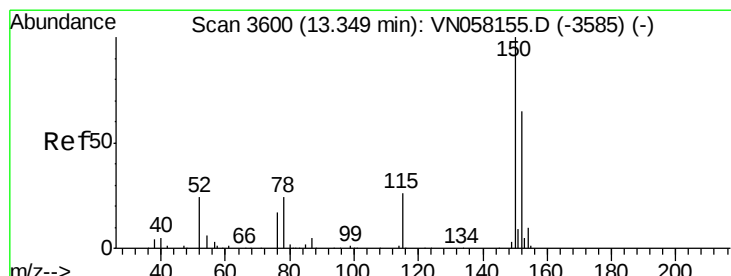
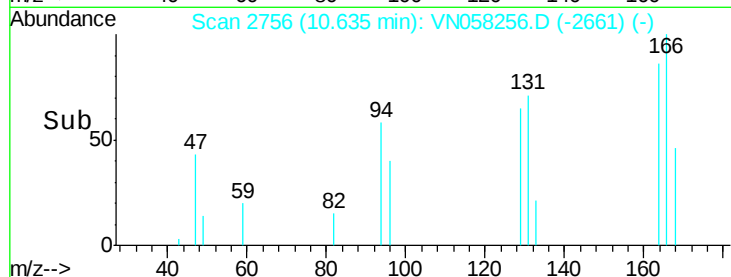
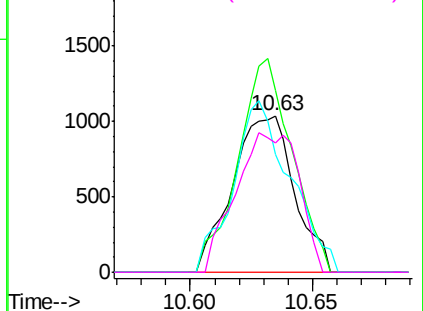


Abundance Ion 163.80 (163.50 to 164.50): V

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: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058256.D

Acq: 20 Sep 2019 17:26

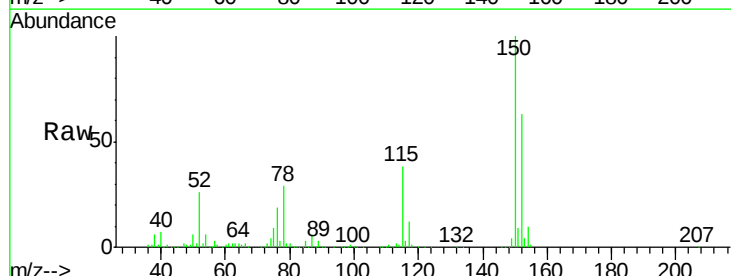
Tgt Ion:152 Resp: 281996

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

150 157.7 0.0 346.4



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

