

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058271.D
 Acq On : 20 Sep 2019 22:58
 Operator : JC/SP
 Sample : K4975-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20190917

Quant Time: Sep 23 08:07:28 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	479983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	781640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	688223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277835	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	352575	52.74	ug/l	0.00
Spiked Amount						
			Recovery	=	105.48%	
35) Dibromofluoromethane	7.57	113	241709	50.87	ug/l	0.00
Spiked Amount						
			Recovery	=	101.74%	
50) Toluene-d8	10.09	98	1001527	54.10	ug/l	0.00
Spiked Amount						
			Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.41	95	319857	46.51	ug/l	0.00
Spiked Amount						
			Recovery	=	93.02%	

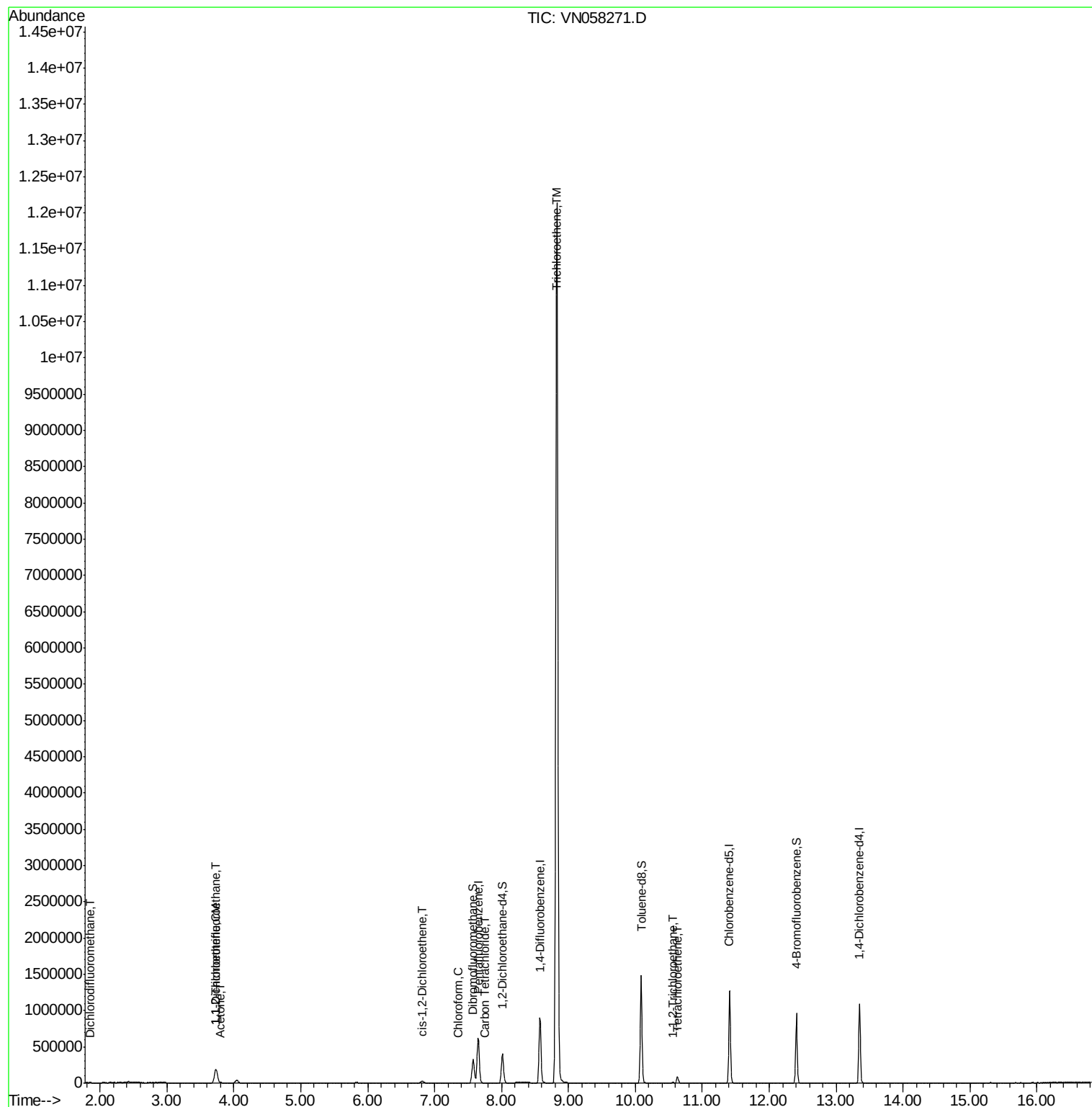
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	1628	0.413	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81300	20.952	ug/l	98
12) 1,1-Dichloroethene	3.72	96	43037	14.361	ug/l	96
16) Acetone	3.81	43	9802	4.320	ug/l	91
27) cis-1,2-Dichloroethene	6.81	96	17618	3.620	ug/l	88
30) Chloroform	7.36	83	5691	0.614	ug/l	94
38) Carbon Tetrachloride	7.76	117	3532	0.623	ug/l	86
44) Trichloroethene	8.82	130	4206085	998.327	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	4160	0.869	ug/l #	82
64) Tetrachloroethene	10.63	164	19060	5.681	ug/l	96

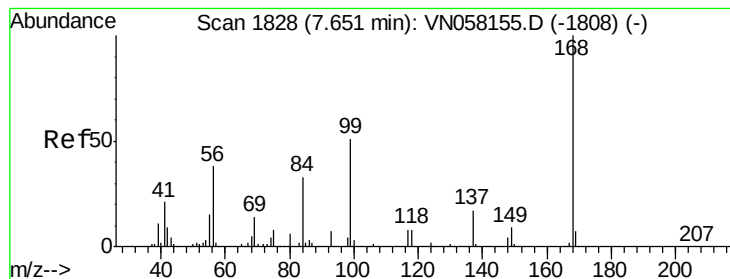
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

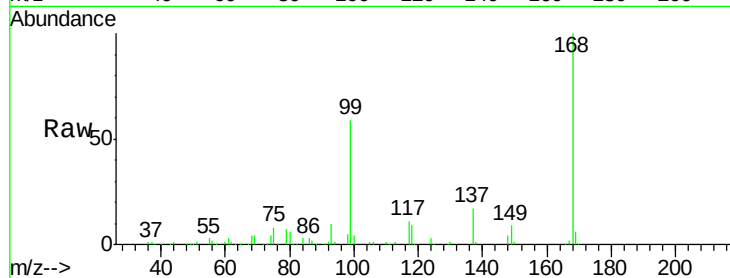
RE120D1-20190917

Tot Ion:168 Resp: 479983

Ion Ratio Lower Upper

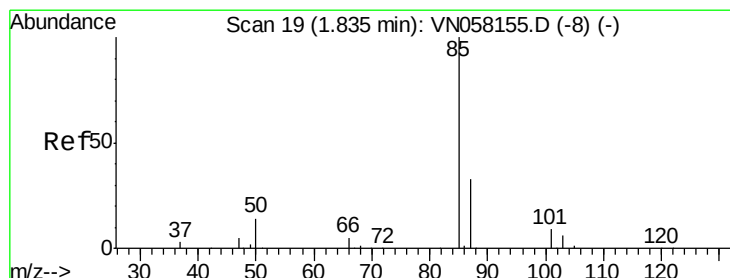
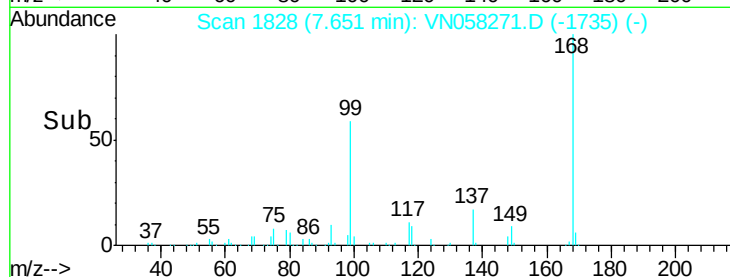
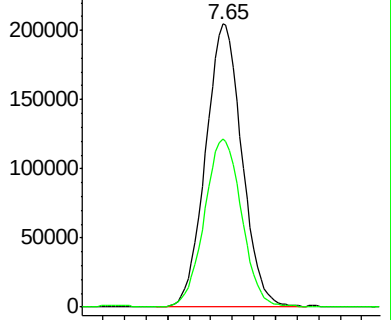
168 100

99 59.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.413 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058271.D

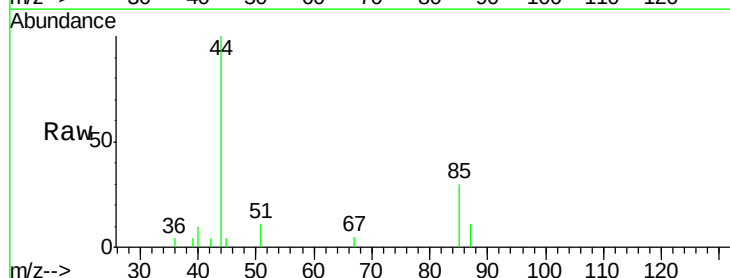
Acq: 20 Sep 2019 22:58

Tgt Ion: 85 Resp: 1628

Ion Ratio Lower Upper

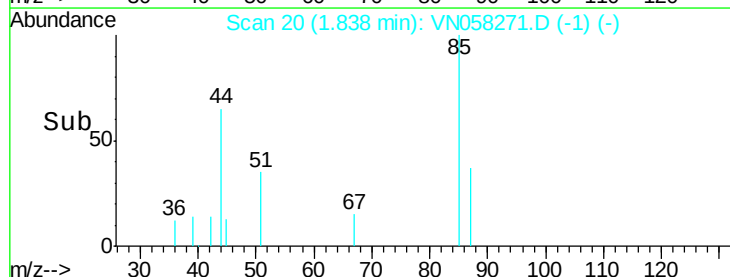
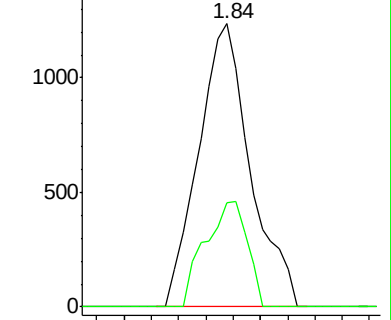
85 100

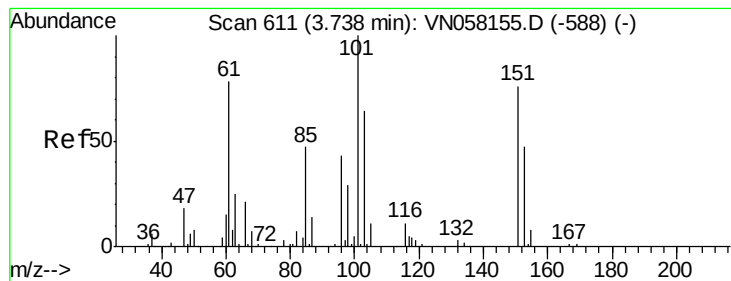
87 36.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.952 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20190917

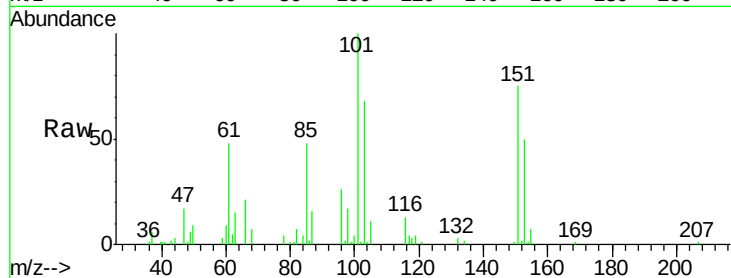
Tot Ion:101 Resp: 81300

Ion Ratio Lower Upper

101 100

85 47.2 37.3 55.9

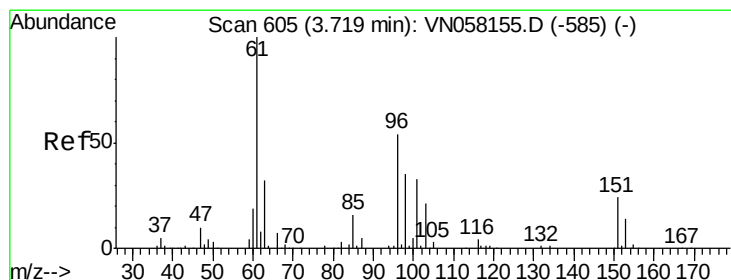
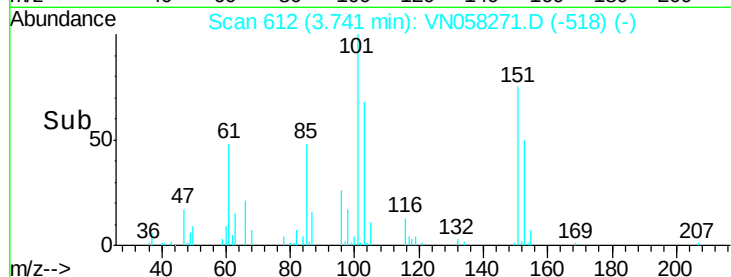
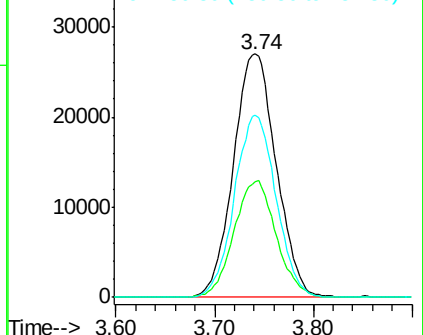
151 72.6 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 14.361 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

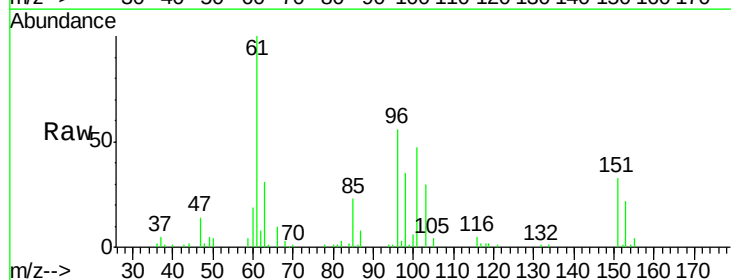
Tgt Ion: 96 Resp: 43037

Ion Ratio Lower Upper

96 100

61 180.0 149.5 224.3

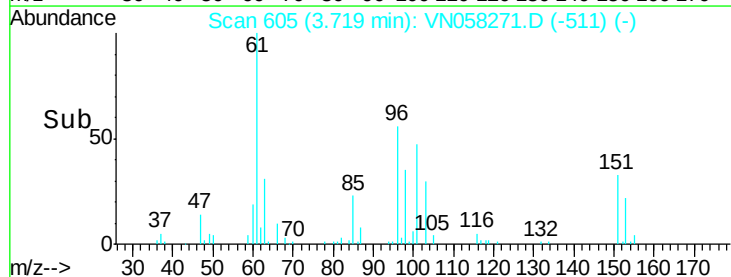
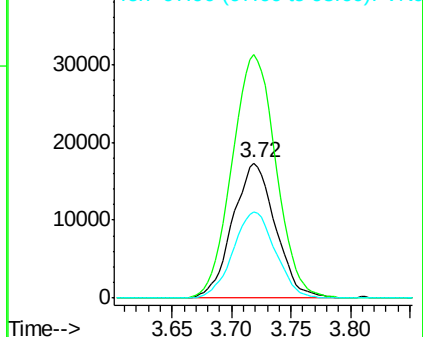
98 63.3 52.4 78.6

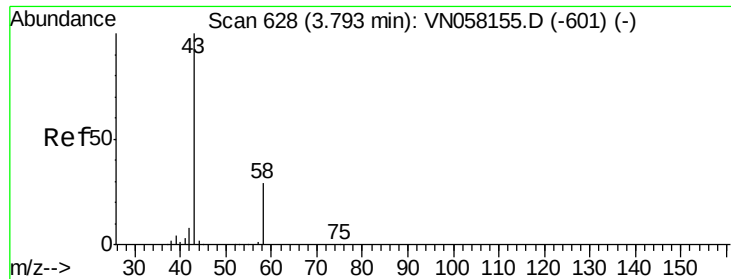


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#16

Acetone

Concen: 4.320 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

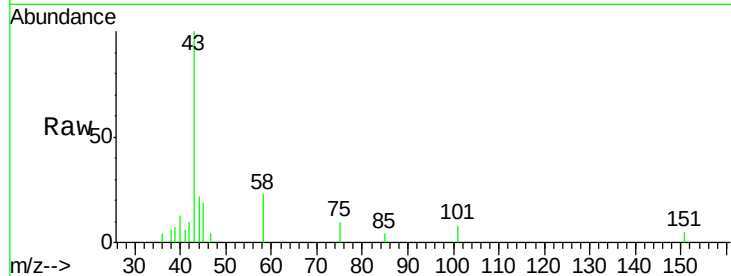
RE120D1-20190917

Tot Ion: 43 Resp: 9802

Ion Ratio Lower Upper

43 100

58 24.6 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

4000

3000

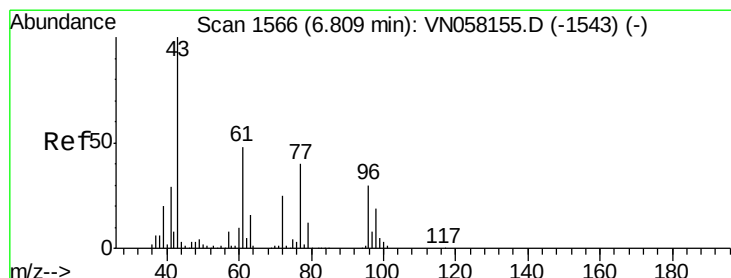
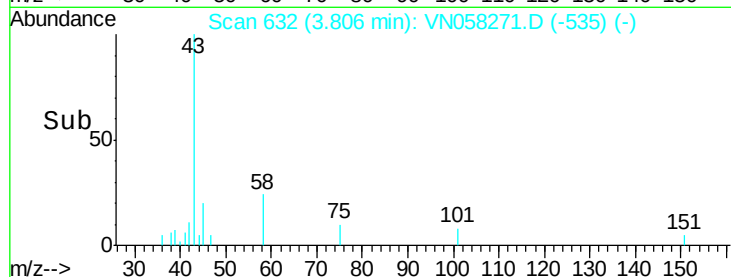
2000

1000

0

Time-->

3.75 3.80 3.85 3.90



#27

cis-1,2-Dichloroethene

Concen: 3.620 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

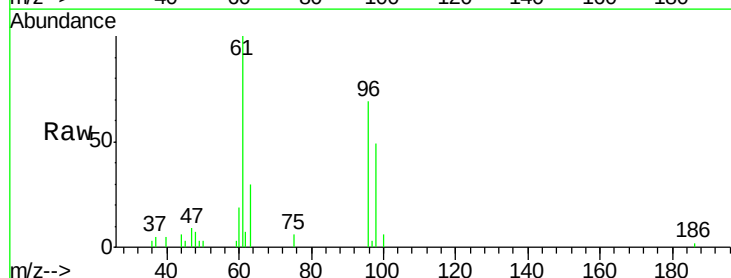
Tgt Ion: 96 Resp: 17618

Ion Ratio Lower Upper

96 100

61 141.4 0.0 319.0

98 68.7 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

12000

10000

8000

6000

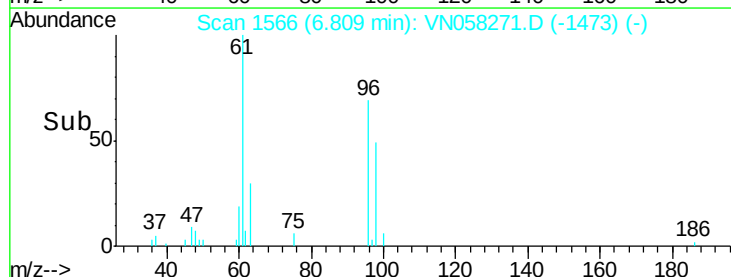
4000

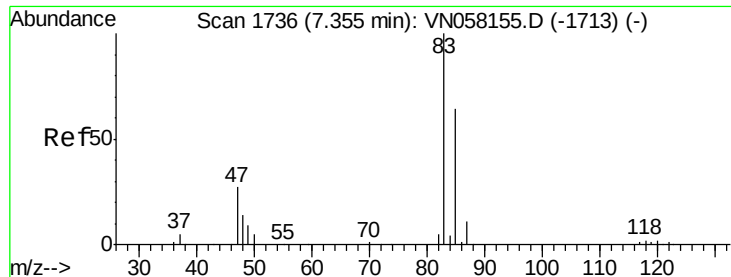
2000

0

Time-->

6.75 6.80 6.85 6.90

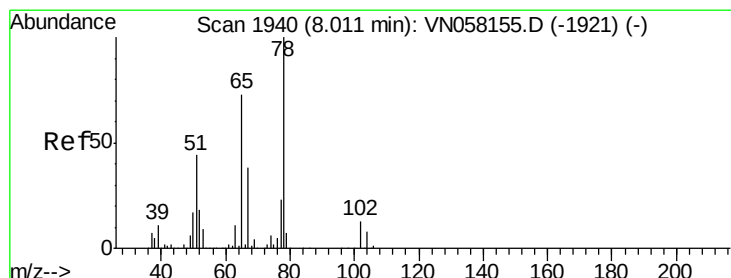
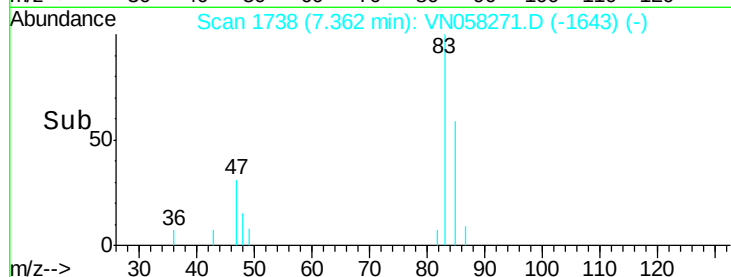
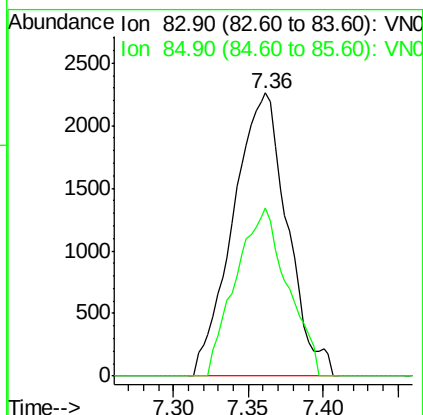
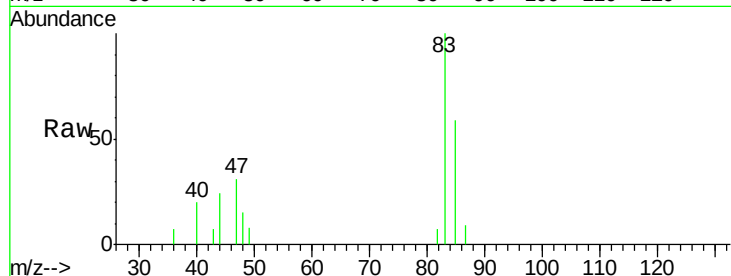




#30
 Chloroform
 Concen: 0.614 ug/l
 RT: 7.36 min Scan# 1738
 Delta R.T. 0.01 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

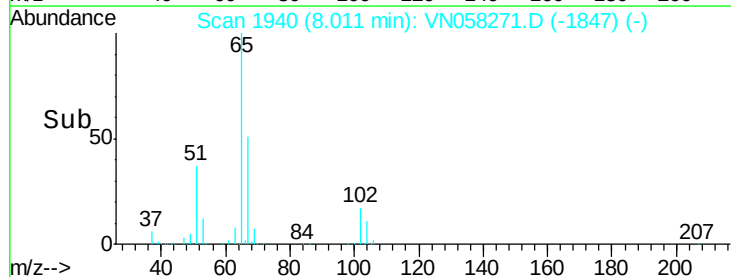
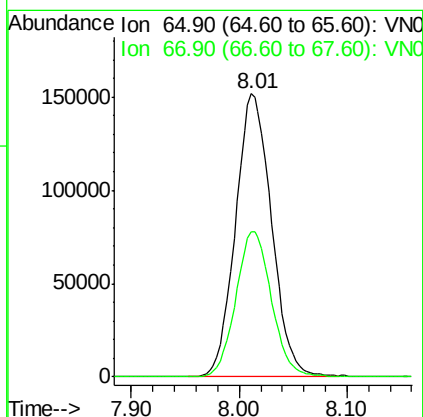
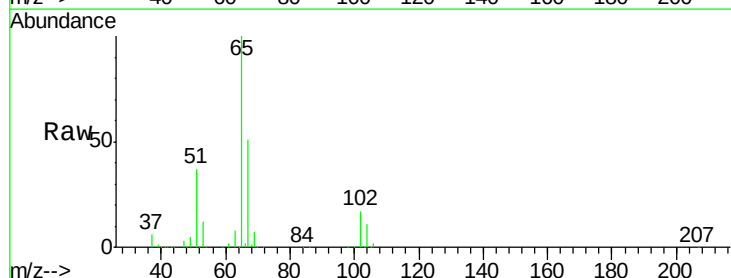
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20190917

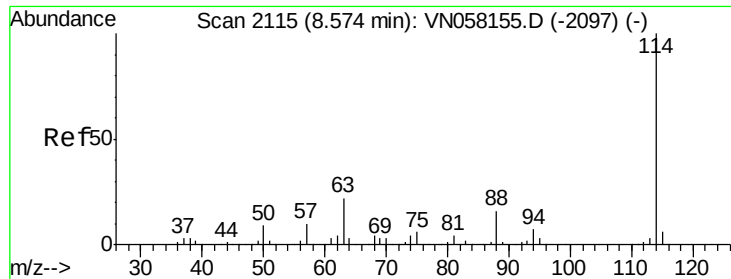
Tot Ion: 83 Resp: 5691
 Ion Ratio Lower Upper
 83 100
 85 59.4 51.4 77.2



#33
 1,2-Dichloroethane-d4
 Concen: 52.740 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Tgt Ion: 65 Resp: 352575
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.4

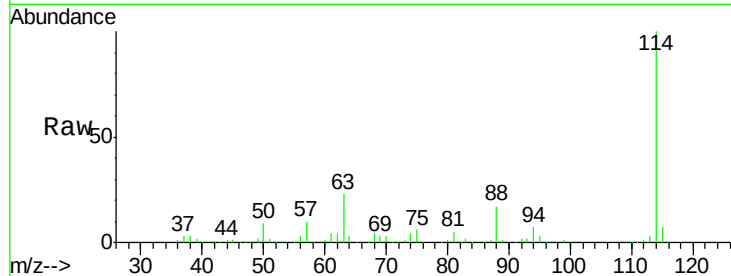




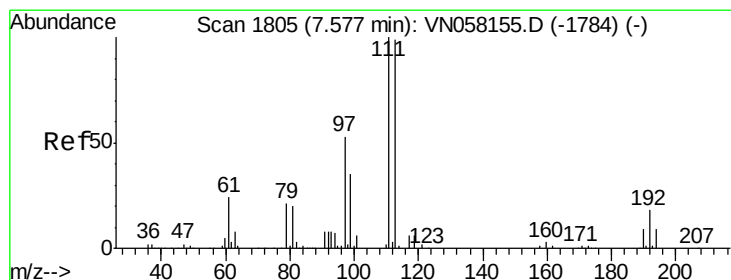
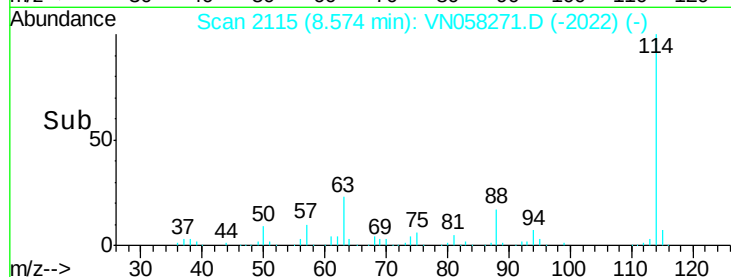
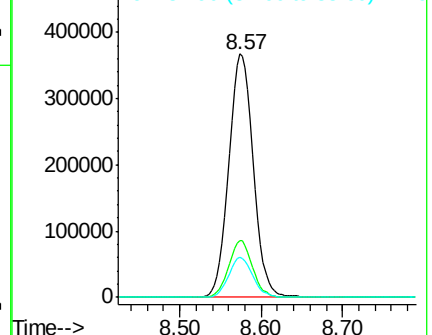
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20190917

Tot Ion:114	Resp:	781640
Ion Ratio	Lower	Upper
114 100		
63 23.3	0.0	44.2
88 16.6	0.0	31.6

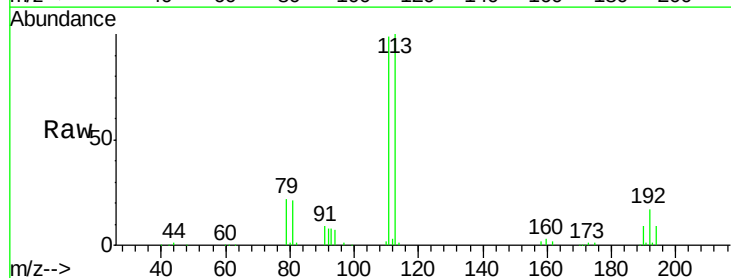


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

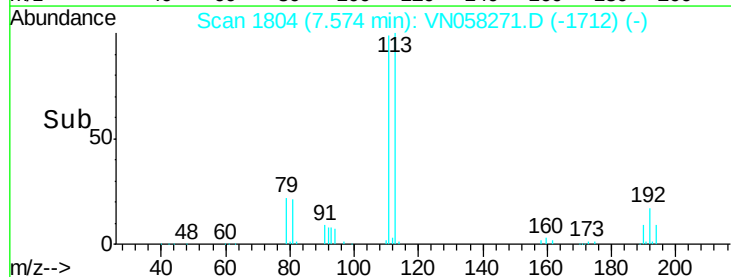
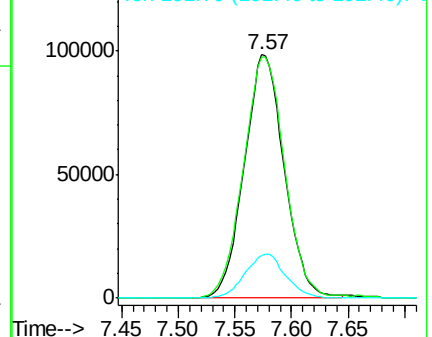


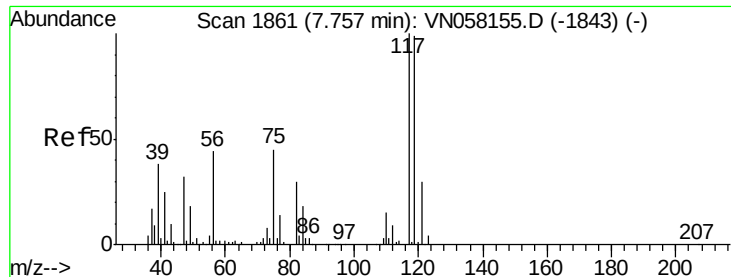
#35
 Dibromofluoromethane
 Concen: 50.868 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Tgt Ion:113	Resp:	241709
Ion Ratio	Lower	Upper
113 100		
111 102.8	81.8	122.6
192 18.3	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

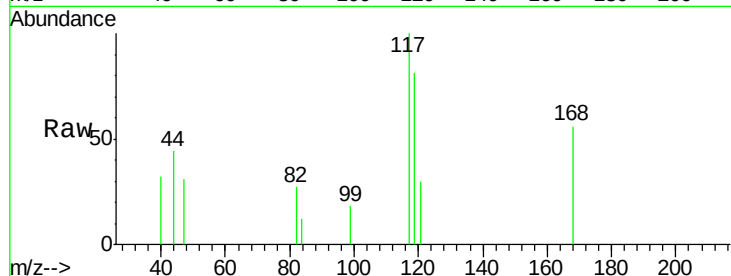




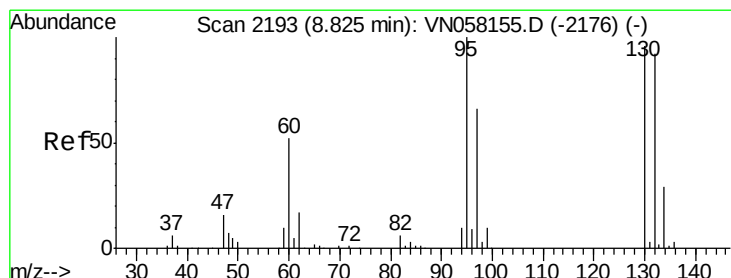
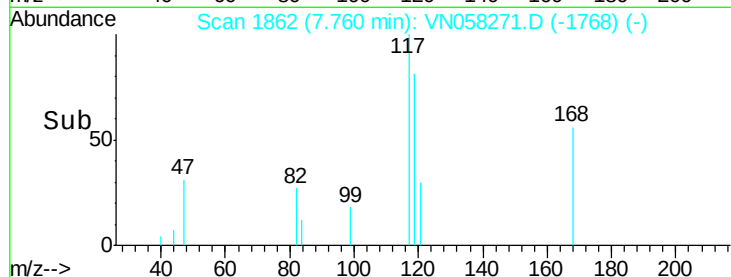
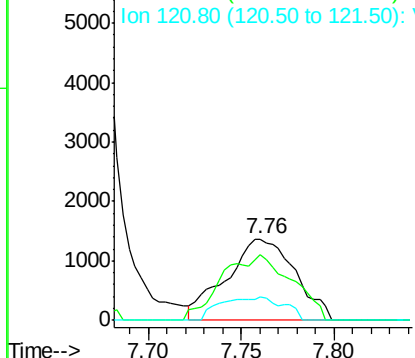
#38
Carbon Tetrachloride
Concen: 0.623 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058271.D
Acq: 20 Sep 2019 22:58

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20190917

Tot Ion:117 Resp: 3532
Ion Ratio Lower Upper
117 100
119 80.8 78.6 117.8
121 29.5 24.1 36.1

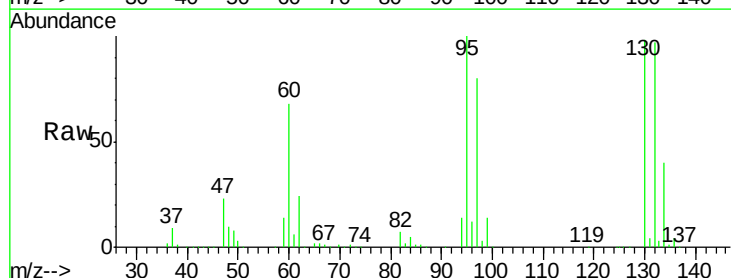


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

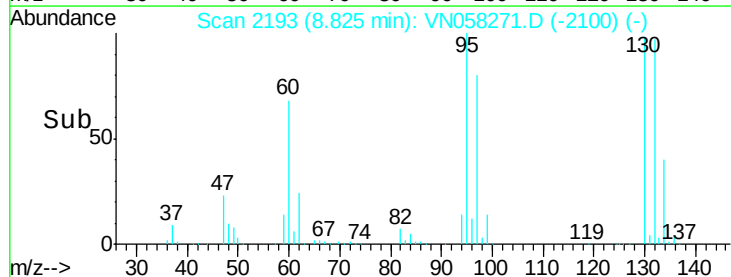
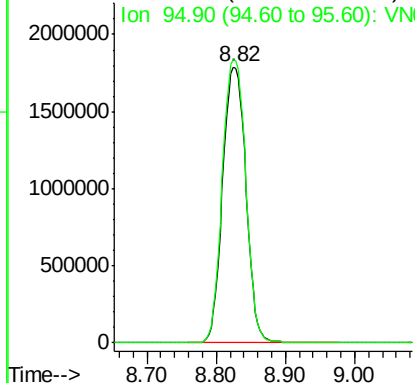


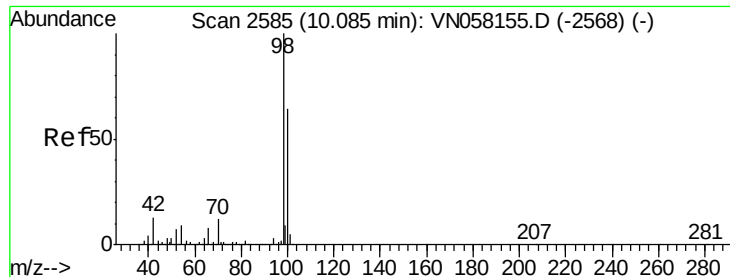
#44
Trichloroethene
Concen: 998.327 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058271.D
Acq: 20 Sep 2019 22:58

Tgt Ion:130 Resp: 4206085
Ion Ratio Lower Upper
130 100
95 102.5 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 54.097 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

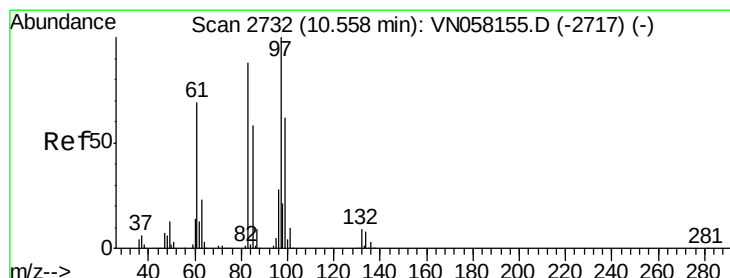
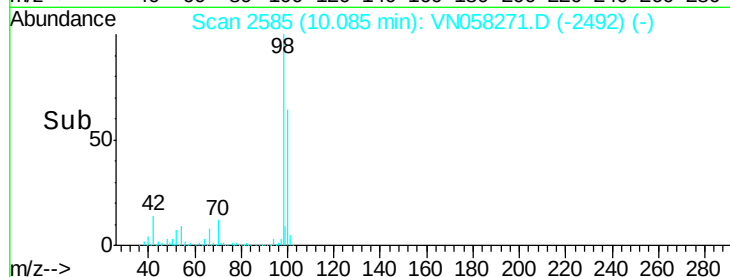
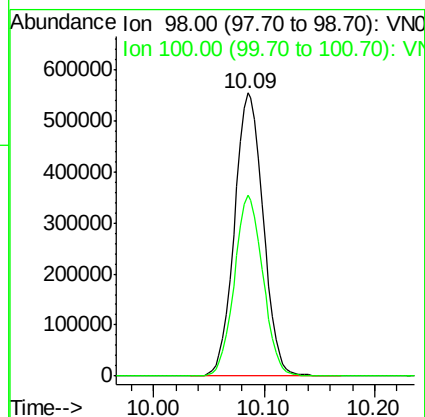
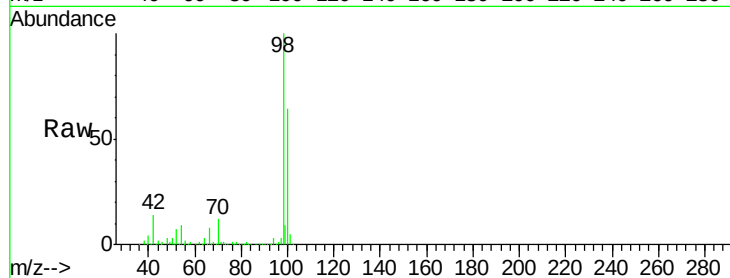
RE120D1-20190917

Tot Ion: 98 Resp: 1001527

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#55

1,1,2-Trichloroethane

Concen: 0.869 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Tgt Ion: 97 Resp: 4160

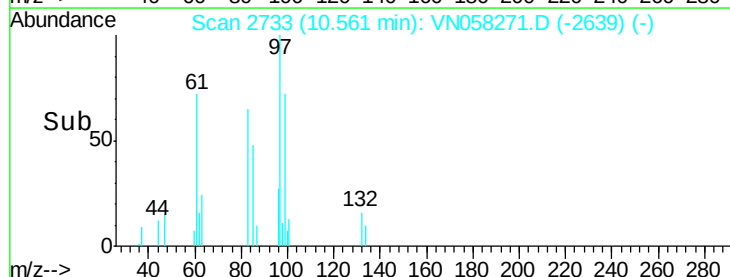
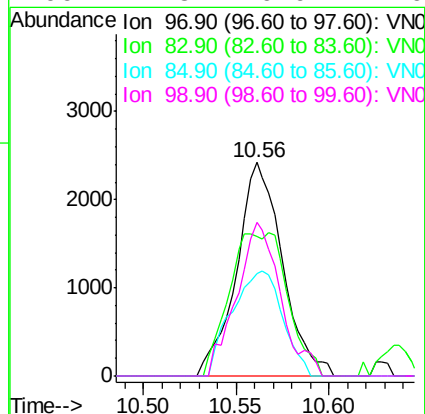
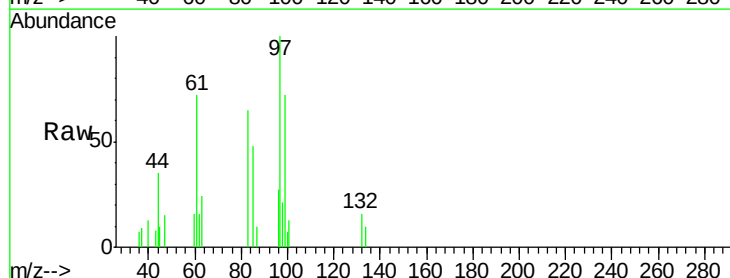
Ion Ratio Lower Upper

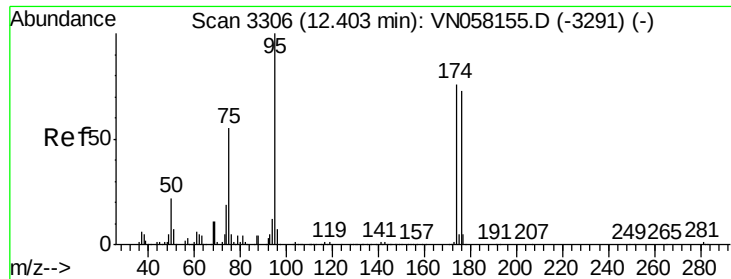
97 100

83 65.1 70.4 105.6#

85 47.7 46.8 70.2

99 71.8 49.9 74.9





#62

4-Bromofluorobenzene

Concen: 46.510 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20190917

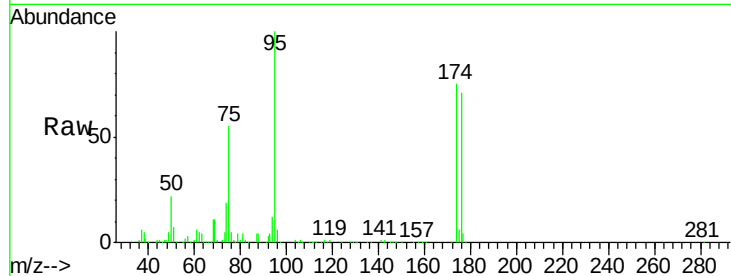
Tot Ion: 95 Resp: 319857

Ion Ratio Lower Upper

95 100

174 75.3 0.0 152.2

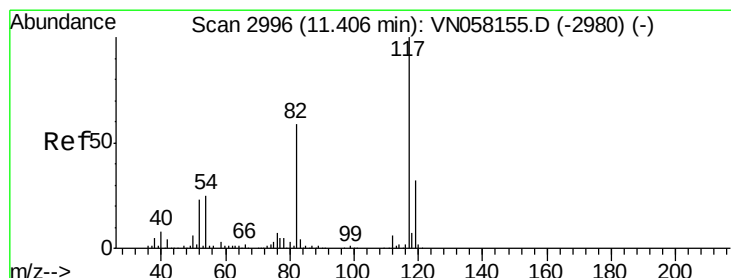
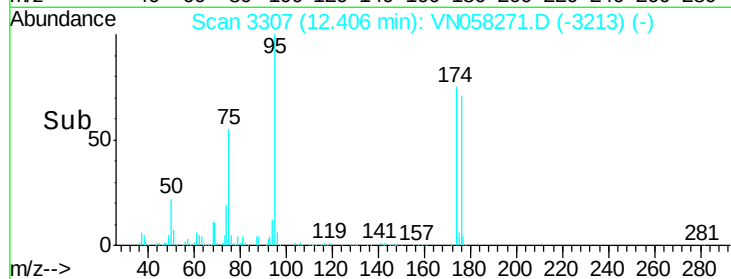
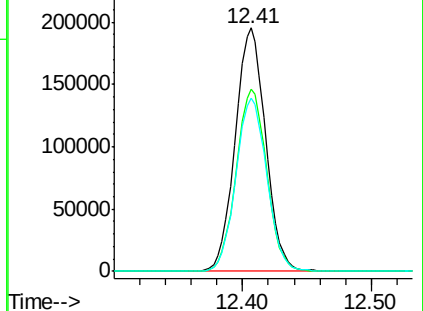
176 72.5 0.0 148.0



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# 2997

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

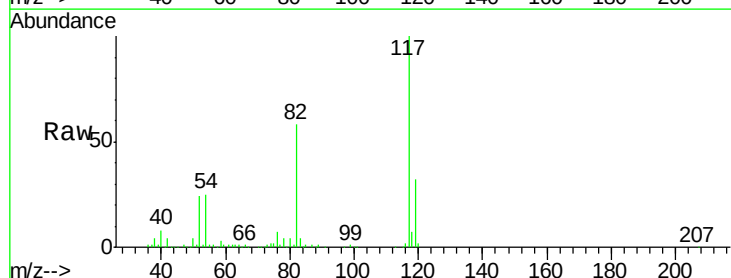
Tgt Ion: 117 Resp: 688223

Ion Ratio Lower Upper

117 100

82 58.4 46.9 70.3

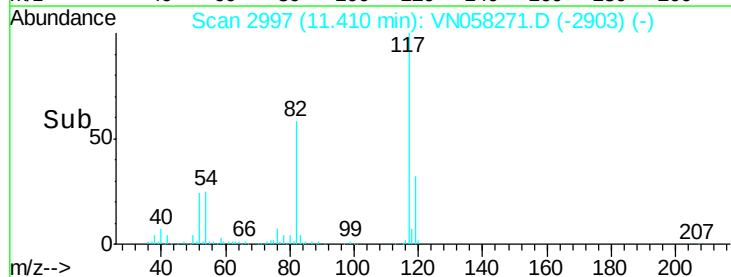
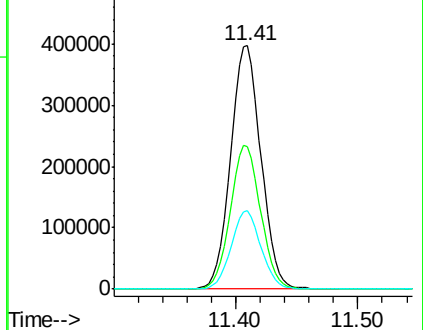
119 32.0 25.3 37.9

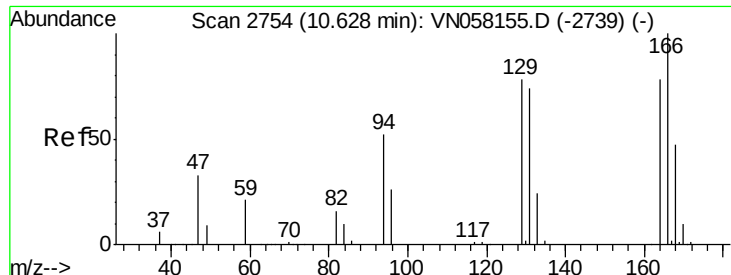


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

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: 5.681 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20190917

Tot Ion:164 Resp: 19060

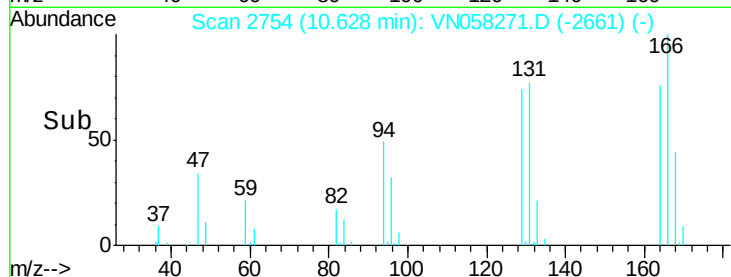
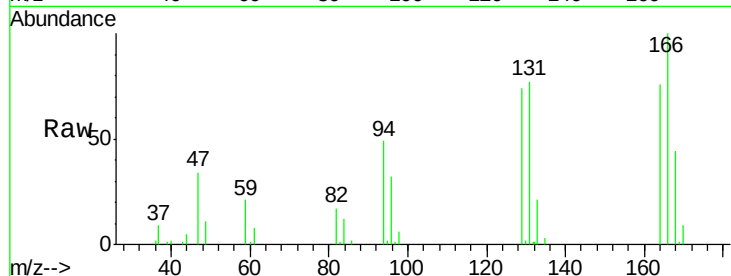
Ion Ratio Lower Upper

164 100

166 131.1 102.2 153.4

129 97.6 79.6 119.4

131 101.2 76.0 114.0

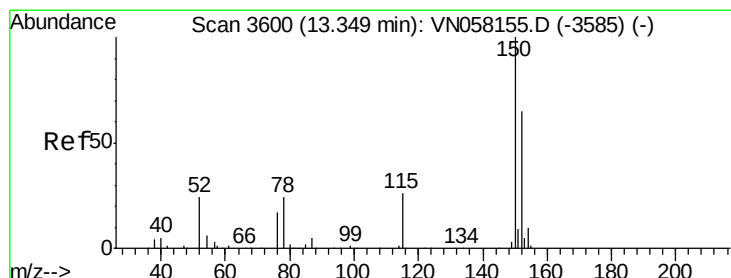
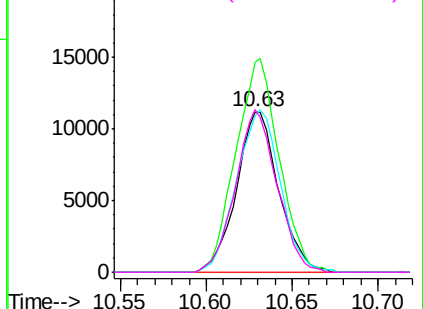


Abundance Ion 163.80 (163.50 to 164.50): V

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: VN058271.D

Acq: 20 Sep 2019 22:58

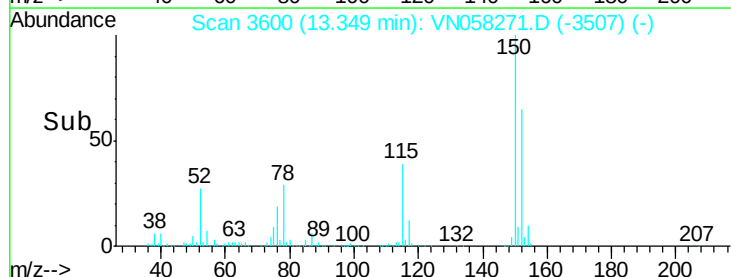
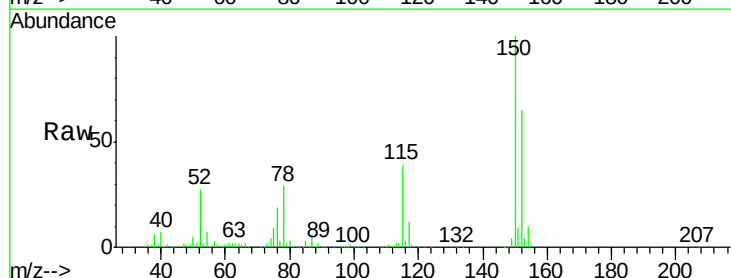
Tgt Ion:152 Resp: 277835

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

150 156.3 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

