

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058201.D
 Acq On : 19 Sep 2019 13:29
 Operator : JC/SP
 Sample : K4896-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20190912

Quant Time: Sep 20 07:57:03 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	472621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	758763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	642623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	328941	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.57	113	226740	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.09	98	951264	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.40	95	301129	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

Target Compounds

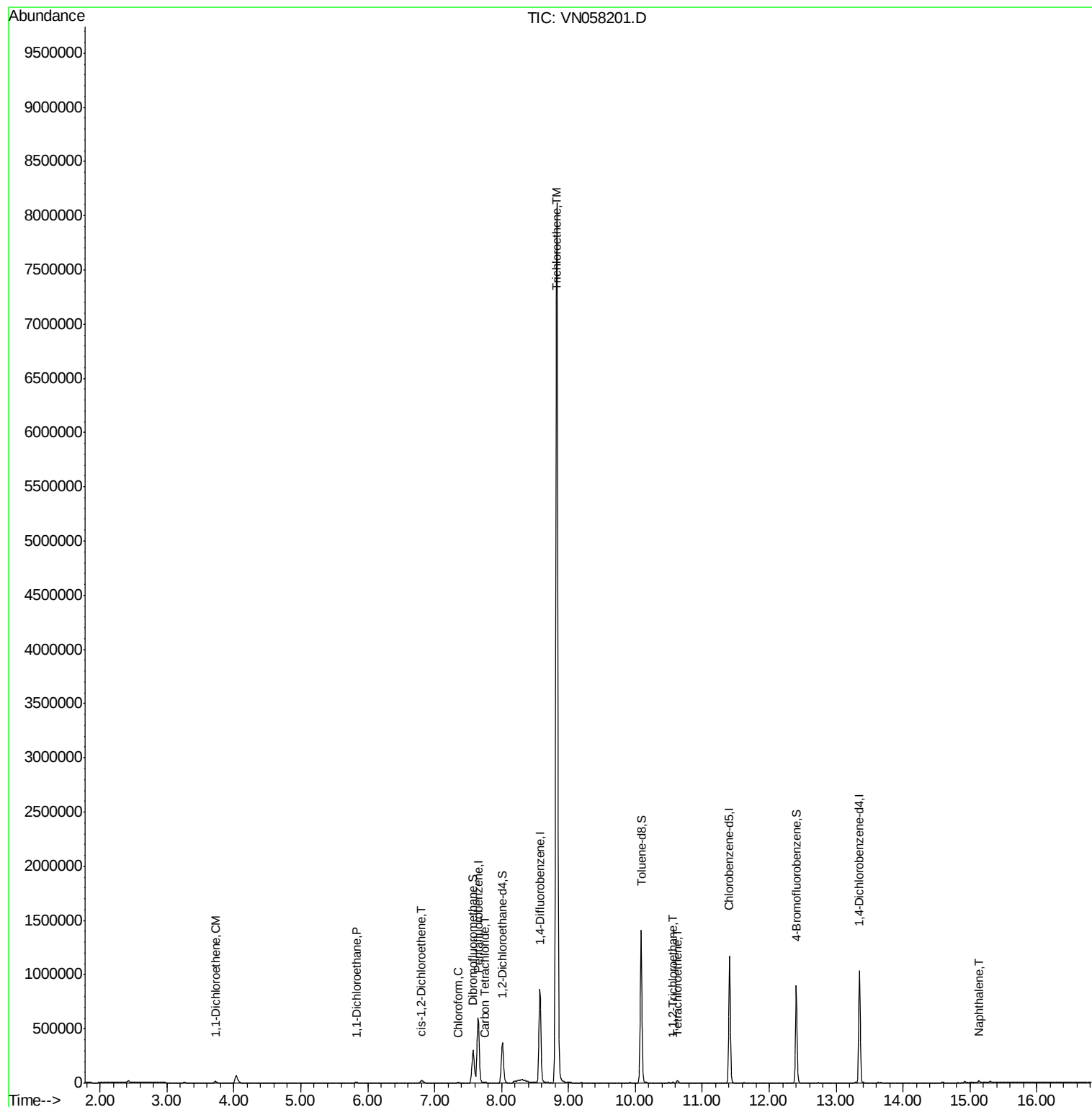
					Qvalue	
12) 1,1-Dichloroethene	3.72	96	2922	0.656	ug/l	89
24) 1,1-Dichloroethane	5.82	63	10938	1.290	ug/l #	88
27) cis-1,2-Dichloroethene	6.82	96	10358	2.161	ug/l	90
30) Chloroform	7.35	83	1980	0.217	ug/l	86
38) Carbon Tetrachloride	7.75	117	4928	0.896	ug/l #	87
44) Trichloroethene	8.82	130	2830214	692.014	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1642	0.353	ug/l #	82
64) Tetrachloroethene	10.63	164	4321	1.379	ug/l #	80
95) Naphthalene	15.13	128	15438	1.244	ug/l	98

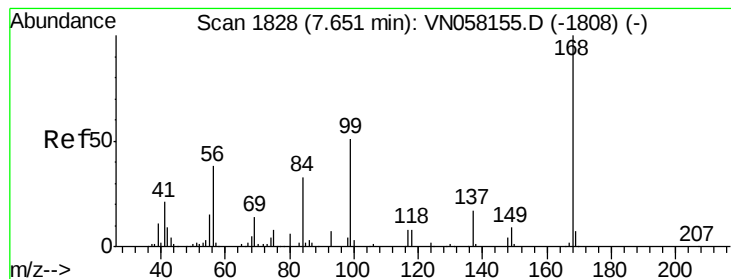
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
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: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

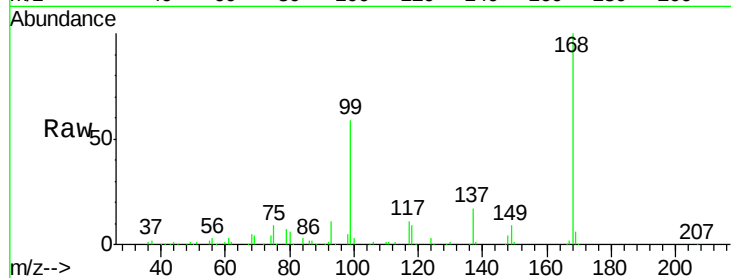
RE126D2-20190912

Tot Ion:168 Resp: 472621

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

7.65

200000

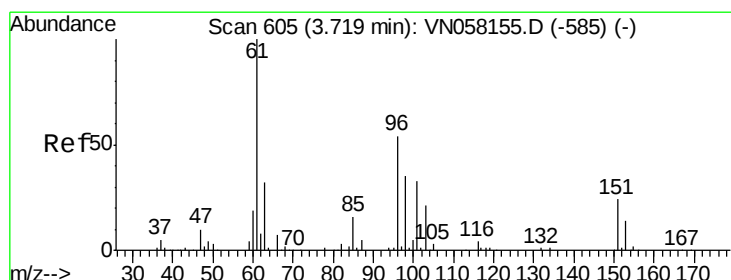
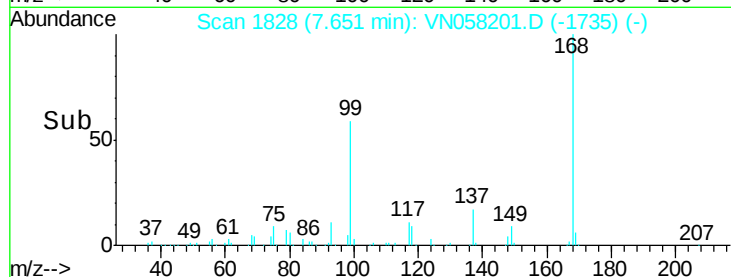
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.656 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

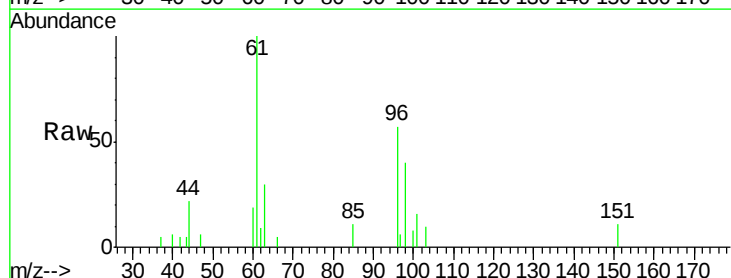
Tgt Ion: 96 Resp: 2922

Ion Ratio Lower Upper

96 100

61 167.8 149.5 224.3

98 70.5 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

4000

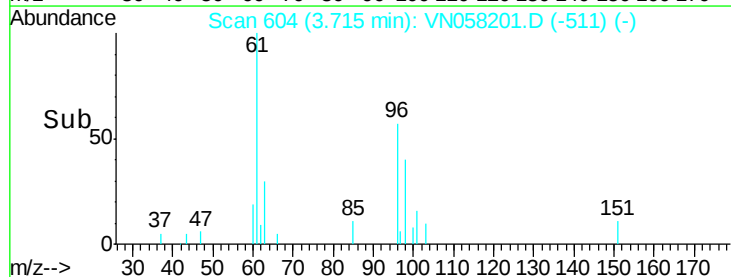
3000

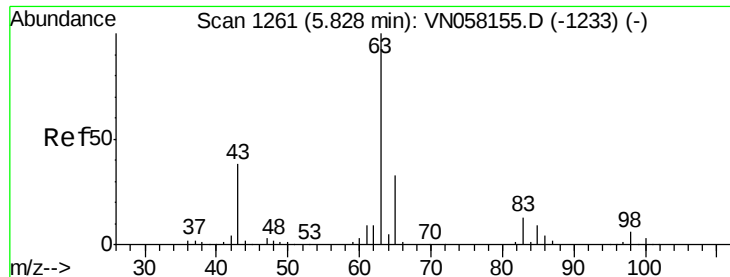
2000

1000

0

Time-->





#24

1,1-Dichloroethane

Concen: 1.290 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20190912

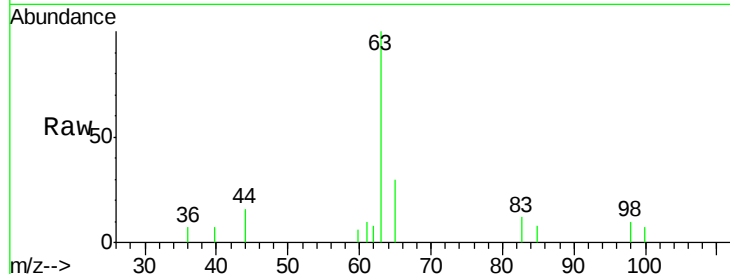
Tot Ion: 63 Resp: 10938

Ion Ratio Lower Upper

63 100

98 10.2 2.9 8.6#

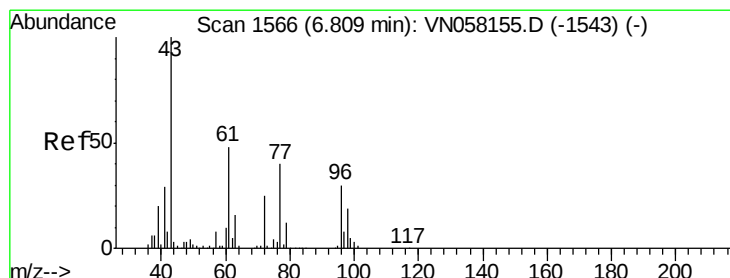
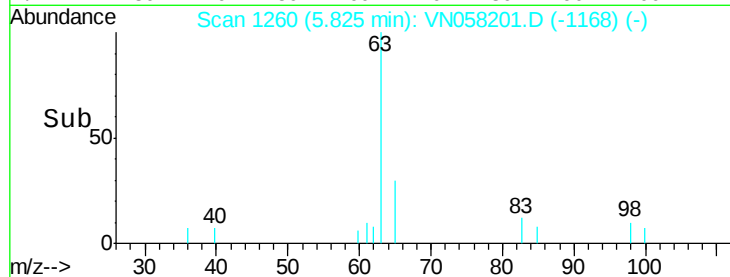
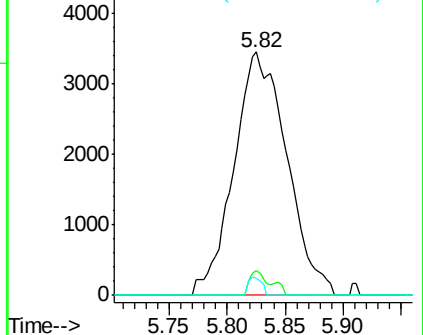
100 6.9 1.8 5.3#



Abundance Ion 62.90 (62.60 to 63.60): VN058201.D (-1168) (-)

Ion 97.90 (97.60 to 98.60): VN058201.D (-1168) (-)

Ion 99.90 (99.60 to 100.60): VN058201.D (-1168) (-)



#27

cis-1,2-Dichloroethene

Concen: 2.161 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

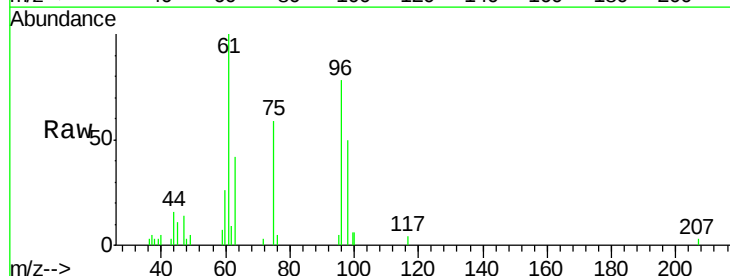
Tgt Ion: 96 Resp: 10358

Ion Ratio Lower Upper

96 100

61 142.0 0.0 319.0

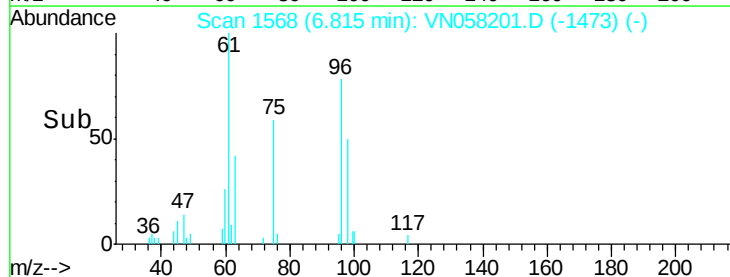
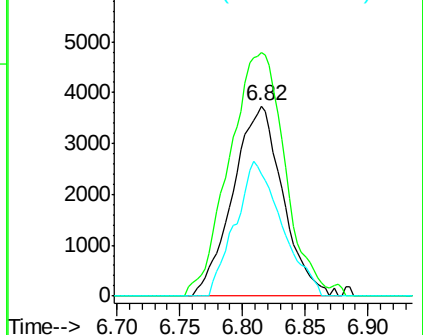
98 65.9 0.0 126.6

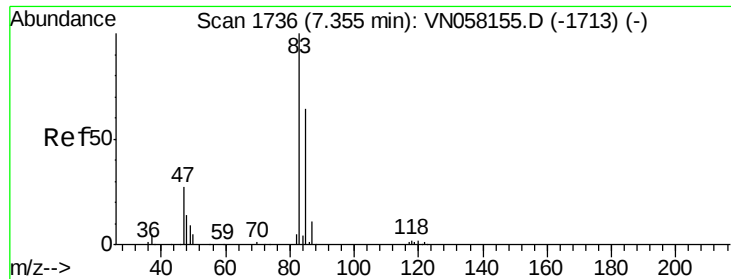


Abundance Ion 95.90 (95.60 to 96.60): VN058201.D (-1473) (-)

Ion 60.90 (60.60 to 61.60): VN058201.D (-1473) (-)

Ion 97.90 (97.60 to 98.60): VN058201.D (-1473) (-)

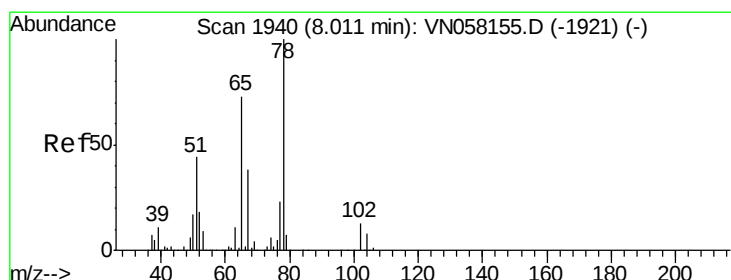
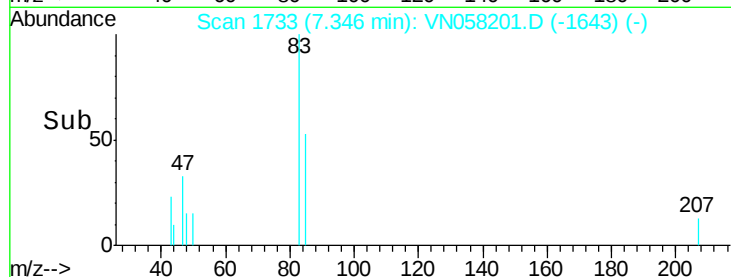
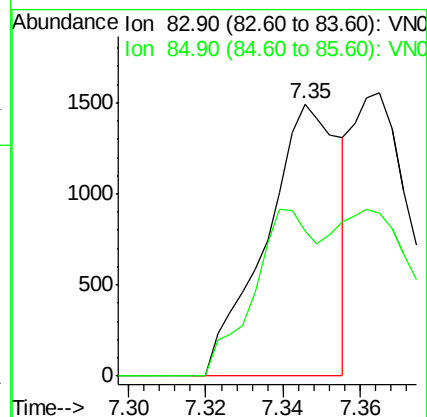
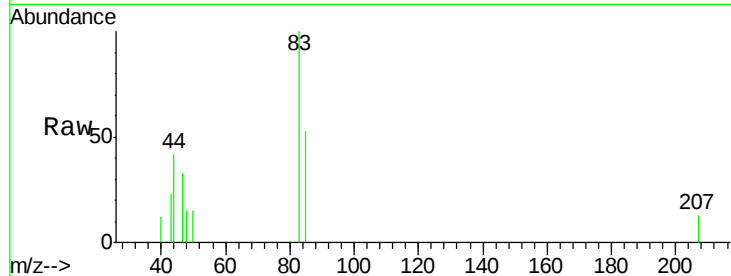




#30
Chloroform
Concen: 0.217 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

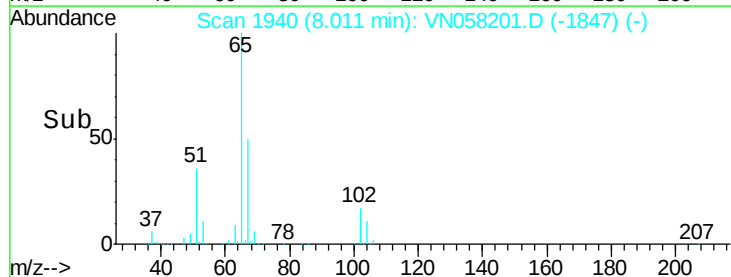
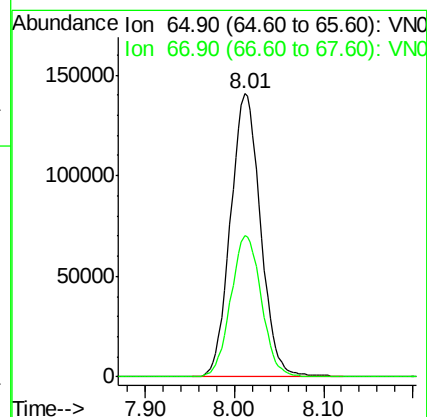
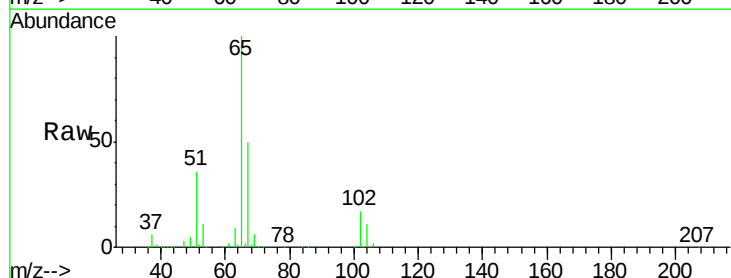
Instrument :
MSVOA_N
ClientSampleId :
RE126D2-20190912

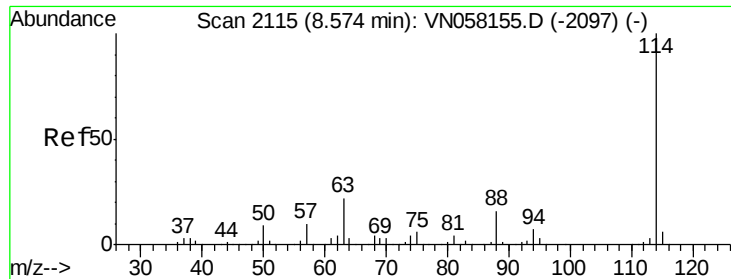
Tot Ion: 83 Resp: 1980
Ion Ratio Lower Upper
83 100
85 53.1 51.4 77.2



#33
1,2-Dichloroethane-d4
Concen: 49.971 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion: 65 Resp: 328941
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4

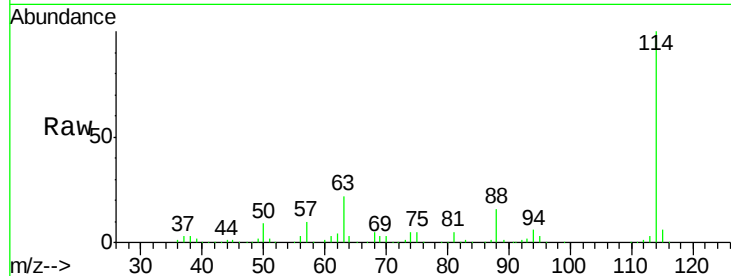




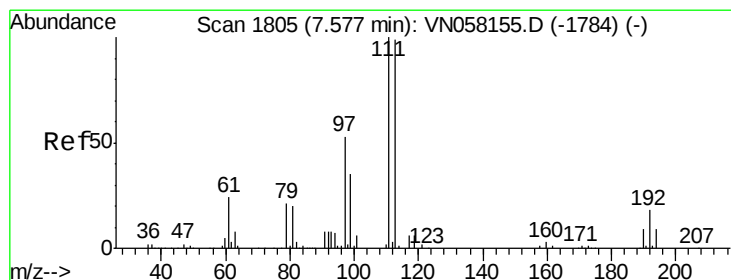
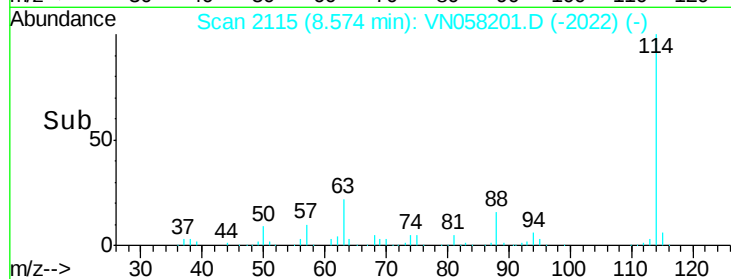
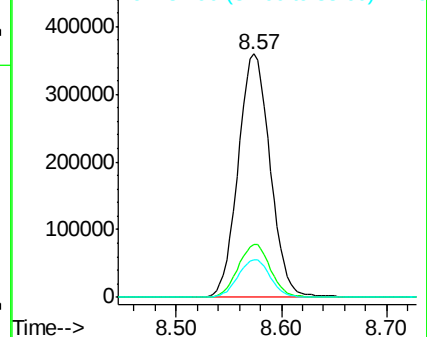
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20190912

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	15.6	0.0	31.6

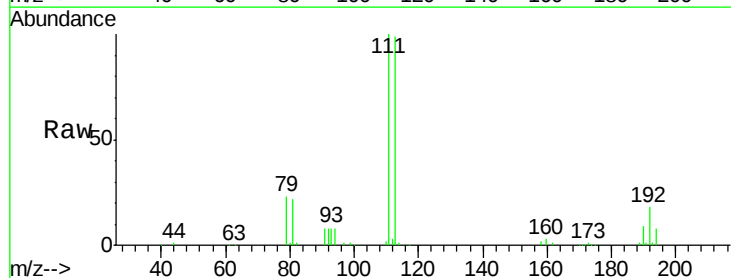


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

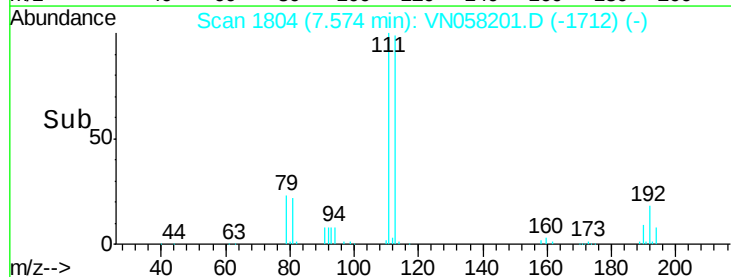
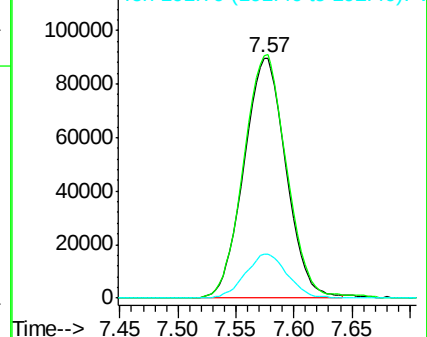


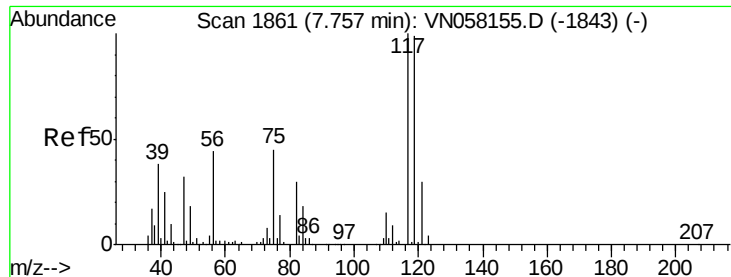
#35
 Dibromofluoromethane
 Concen: 49.156 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	18.4	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

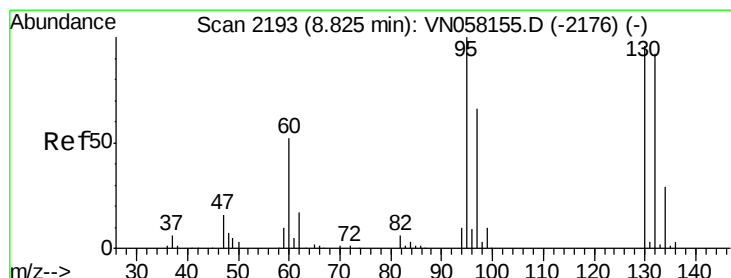
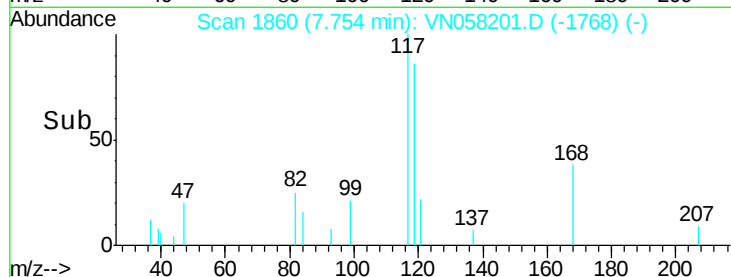
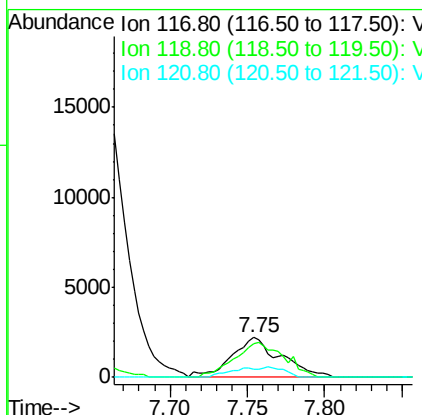
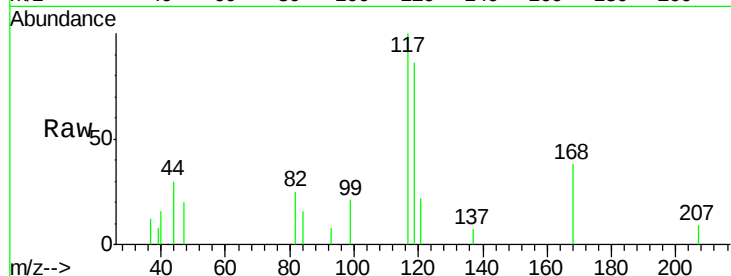




#38
Carbon Tetrachloride
Concen: 0.896 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

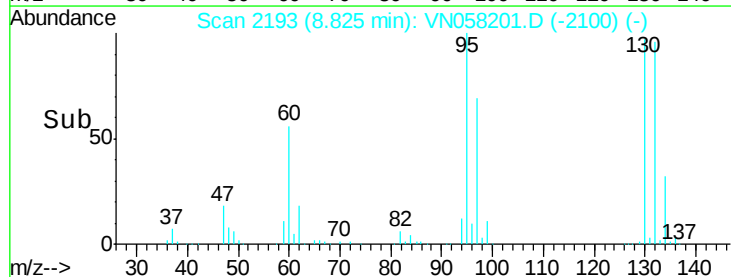
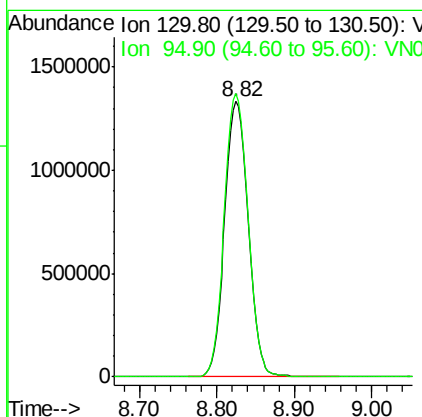
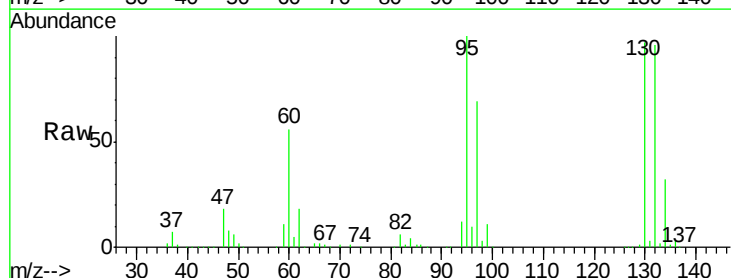
Instrument :
MSVOA_N
ClientSampleId :
RE126D2-20190912

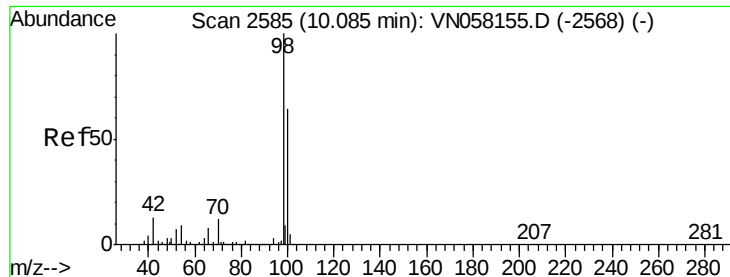
Tot Ion:117 Resp: 4928
Ion Ratio Lower Upper
117 100
119 85.7 78.6 117.8
121 21.7 24.1 36.1#



#44
Trichloroethene
Concen: 692.014 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion:130 Resp: 2830214
Ion Ratio Lower Upper
130 100
95 102.9 0.0 207.8





#50

Toluene-d8

Concen: 52.931 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

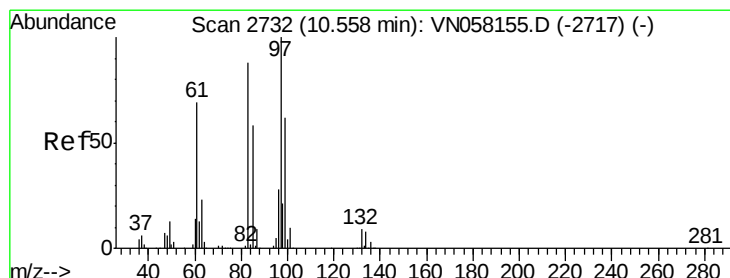
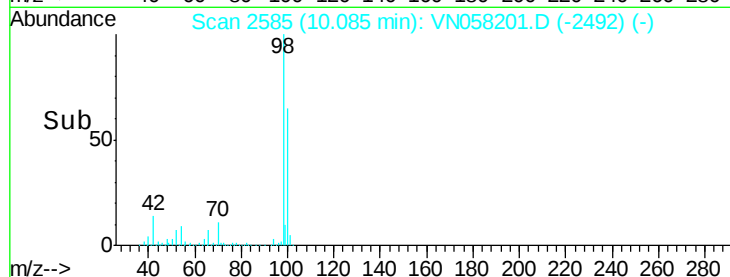
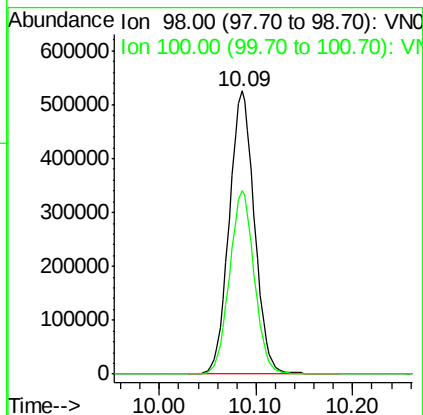
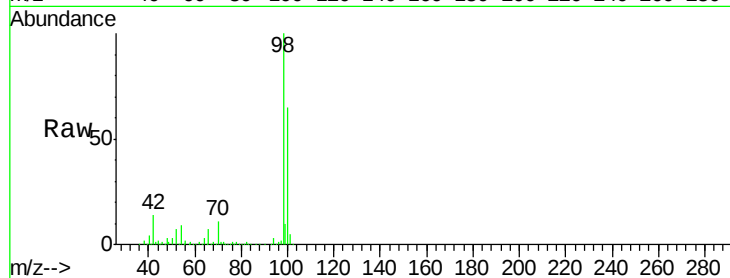
RE126D2-20190912

Tot Ion: 98 Resp: 951264

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#55

1,1,2-Trichloroethane

Concen: 0.353 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Tgt Ion: 97 Resp: 1642

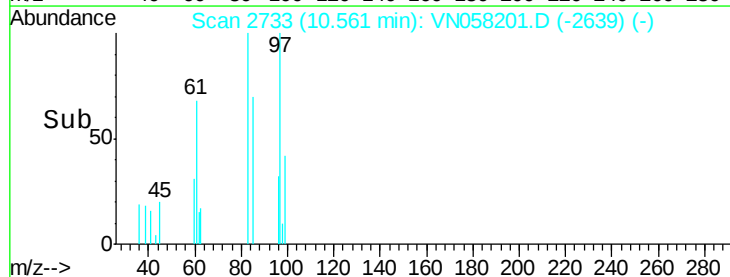
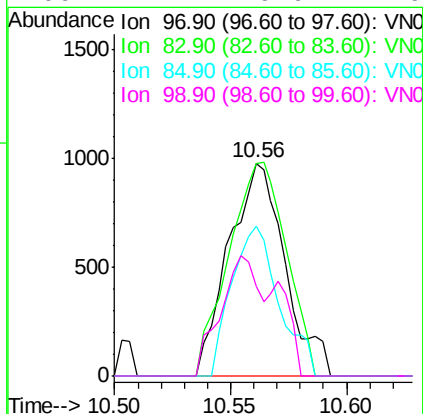
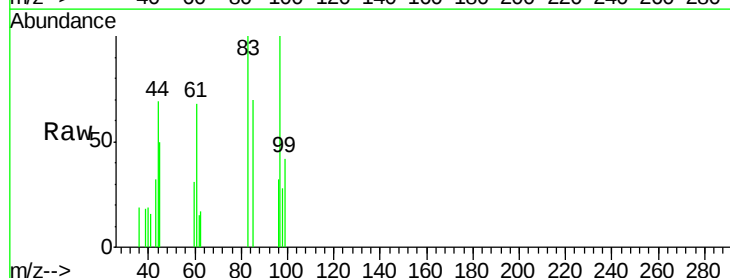
Ion Ratio Lower Upper

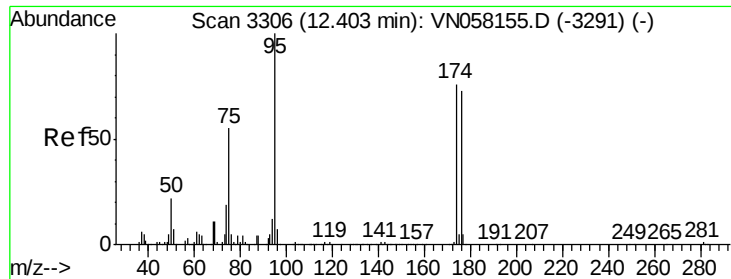
97 100

83 99.8 70.4 105.6

85 70.3 46.8 70.2#

99 42.1 49.9 74.9#





#62

4-Bromofluorobenzene

Concen: 45.107 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20190912

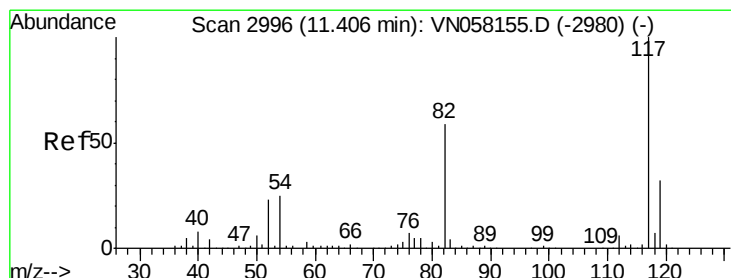
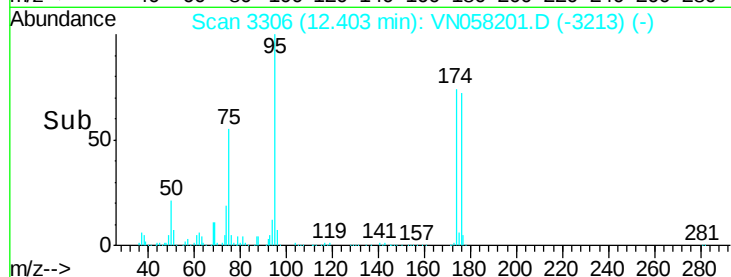
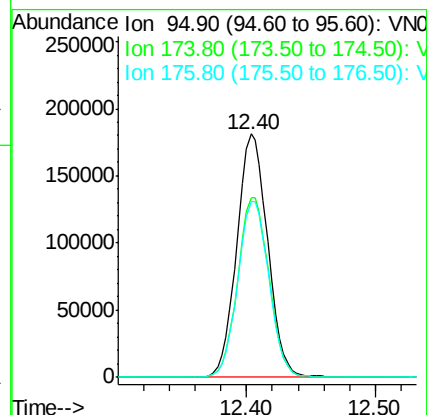
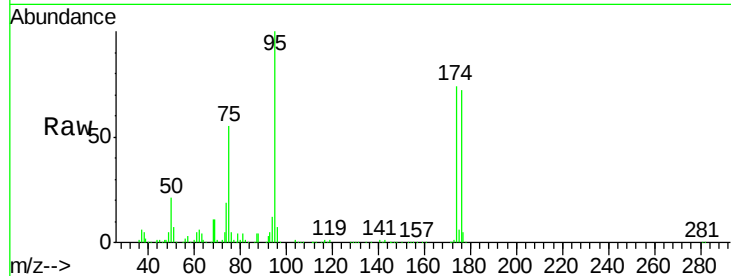
Tot Ion: 95 Resp: 301129

Ion Ratio Lower Upper

95 100

174 75.0 0.0 152.2

176 73.3 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

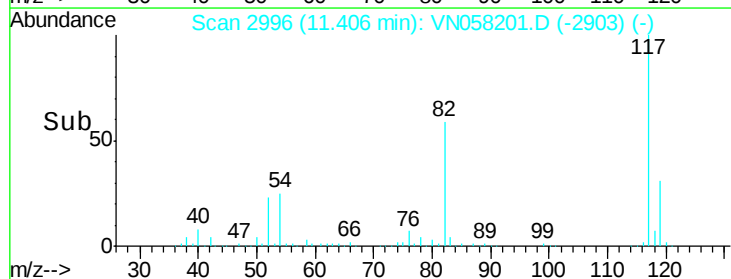
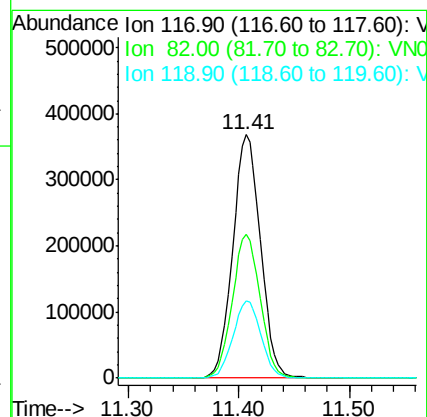
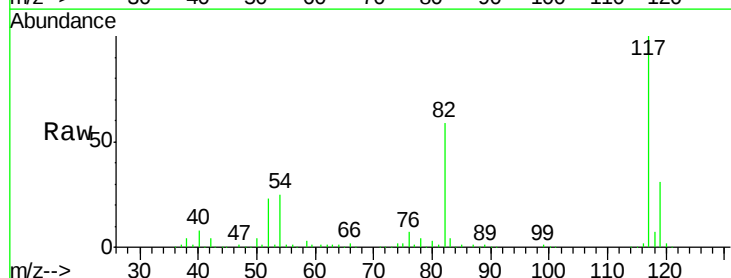
Tgt Ion: 117 Resp: 642623

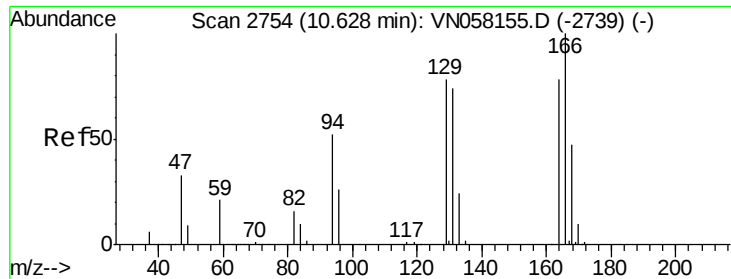
Ion Ratio Lower Upper

117 100

82 59.0 46.9 70.3

119 31.5 25.3 37.9





#64

Tetrachloroethene

Concen: 1.379 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20190912

Tot Ion:164 Resp: 4321

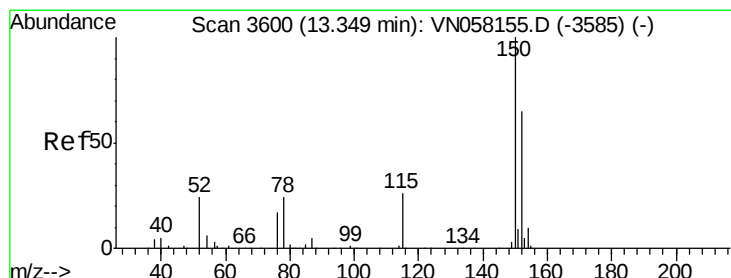
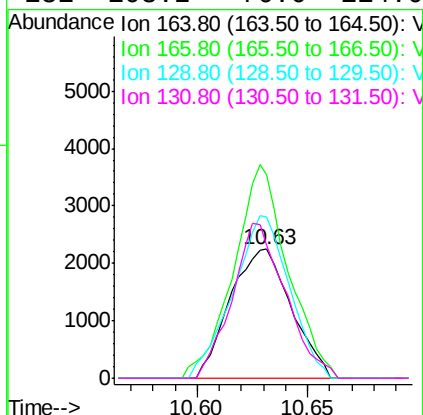
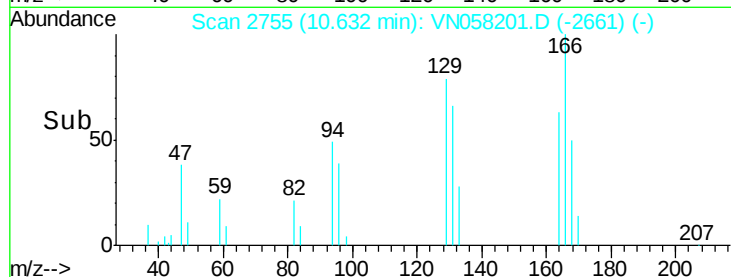
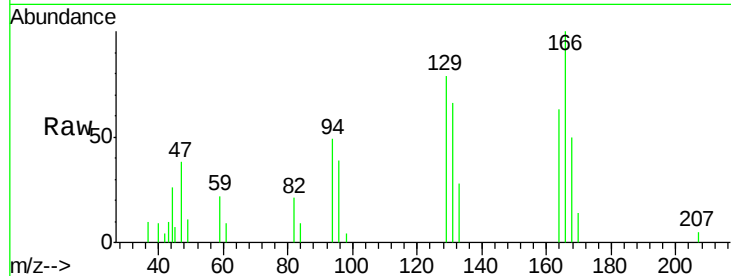
Ion Ratio Lower Upper

164 100

166 157.5 102.2 153.4#

129 124.5 79.6 119.4#

131 103.2 76.0 114.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

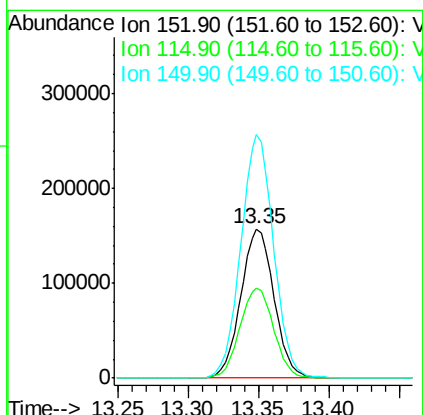
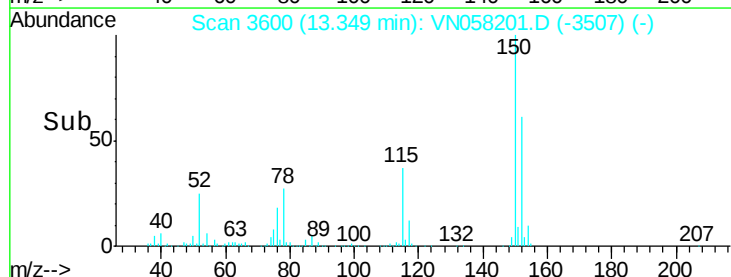
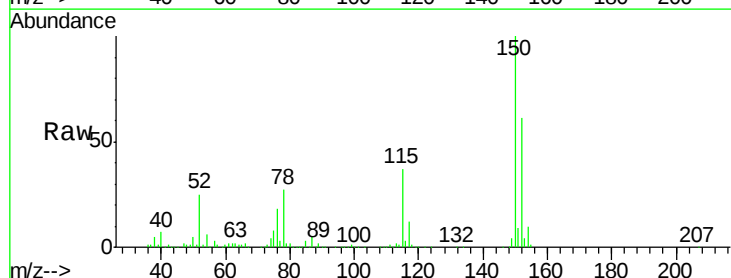
Tgt Ion:152 Resp: 259858

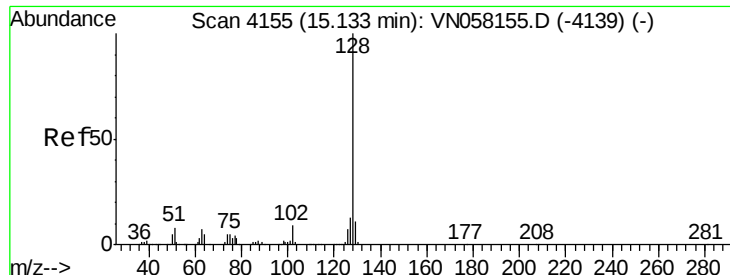
Ion Ratio Lower Upper

152 100

115 61.5 30.1 90.3

150 160.9 0.0 346.4





#95

Naphthalene

Concen: 1.244 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20190912

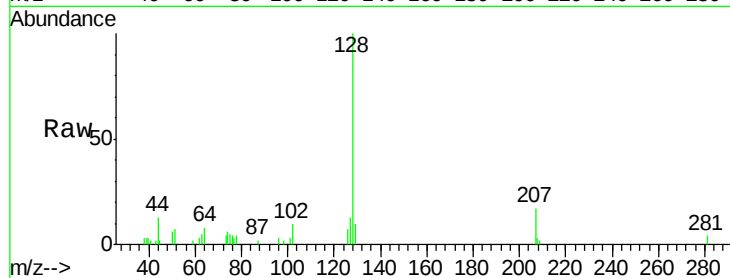
Tot Ion:128 Resp: 15438

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

129 10.4 8.6 12.8



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

