

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092319\
 Data File : VN058295.D
 Acq On : 23 Sep 2019 16:14
 Operator : JC/SP
 Sample : K4975-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20190918

Quant Time: Oct 01 08:19:18 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

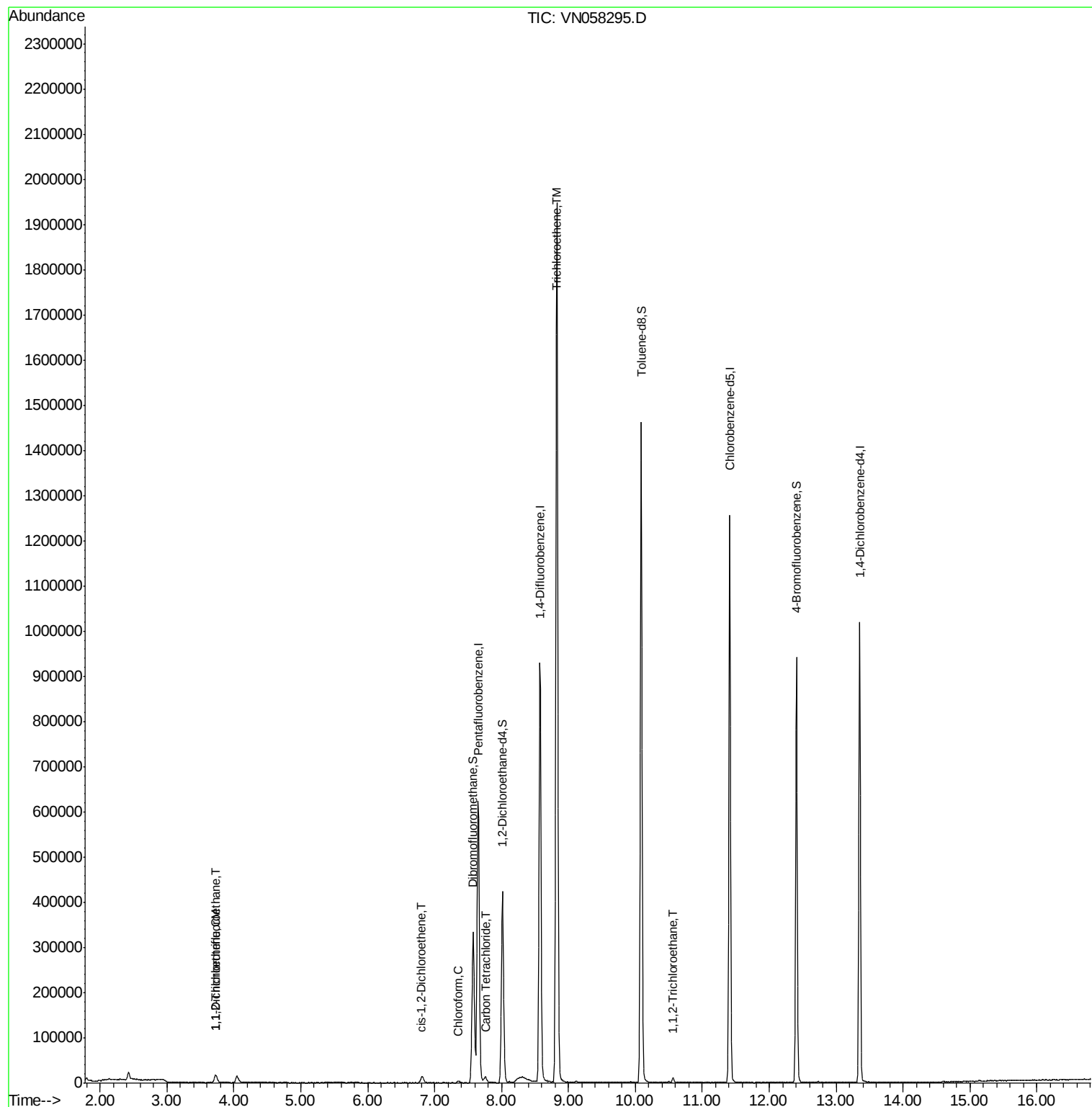
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	487347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	793441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	673802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	254795	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	360435	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
35) Dibromofluoromethane	7.58	113	250520	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
50) Toluene-d8	10.08	98	1011218	53.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.41	95	313404	44.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.78%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	3.73	101	6327	1.606	ug/l	94
12) 1,1-Dichloroethene	3.72	96	5370	1.450	ug/l #	75
27) cis-1,2-Dichloroethene	6.81	96	6736	1.363	ug/l	39
30) Chloroform	7.35	83	4008	0.426	ug/l	95
38) Carbon Tetrachloride	7.76	117	8728	1.517	ug/l	86
44) Trichloroethene	8.82	130	672966	157.355	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	3163	0.651	ug/l	92

(#) = 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: VN058295.D

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MSVOA_N

ClientSampleId :

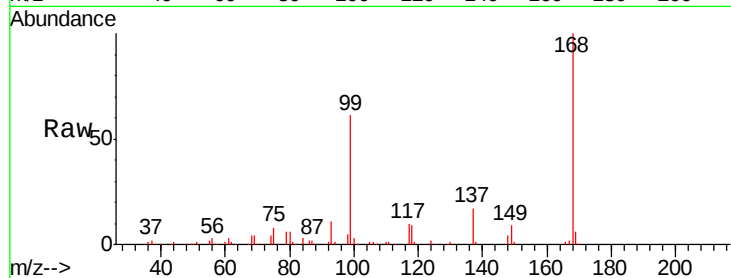
RE139D2-20190918

Tgt Ion:168 Resp: 487347

Ion Ratio Lower Upper

168 100

99 61.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

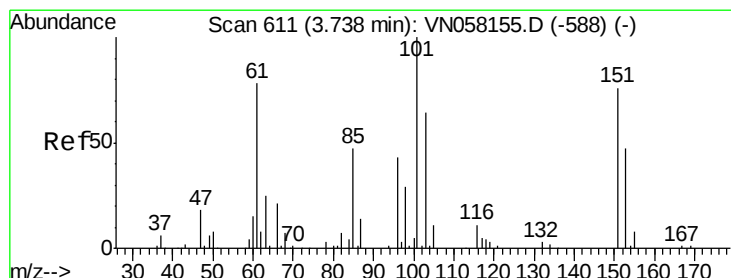
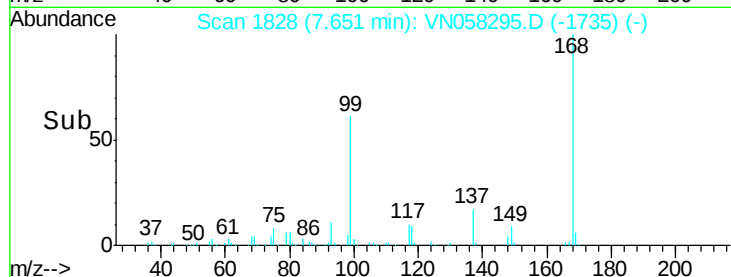
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.606 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058295.D

Acq: 23 Sep 2019 16:14

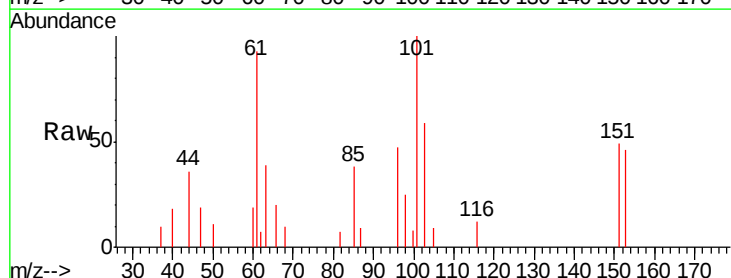
Tgt Ion:101 Resp: 6327

Ion Ratio Lower Upper

101 100

85 46.0 37.3 55.9

151 66.6 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.73

3000

2500

2000

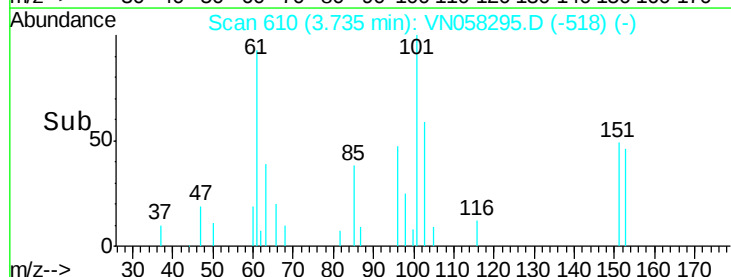
1500

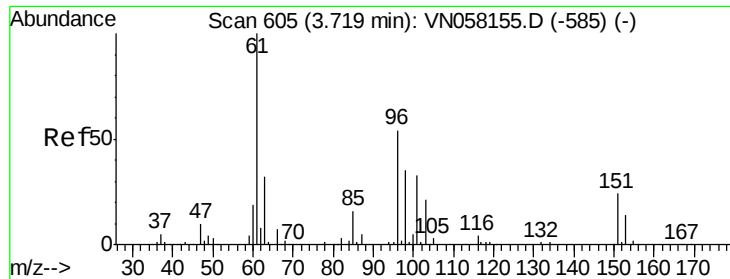
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 1.450 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN058295.D

Acq: 23 Sep 2019 16:14

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MSVOA_N

ClientSampleId :

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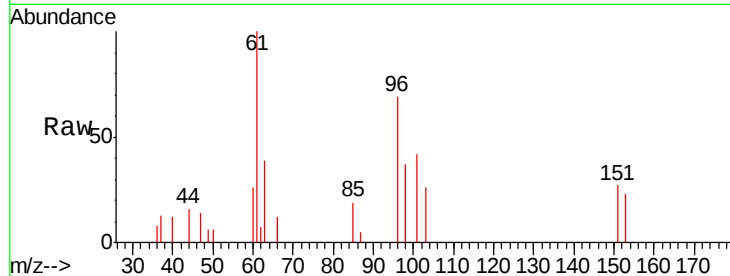
Tgt Ion: 96 Resp: 5370

Ion Ratio Lower Upper

96 100

61 145.9 149.5 224.3#

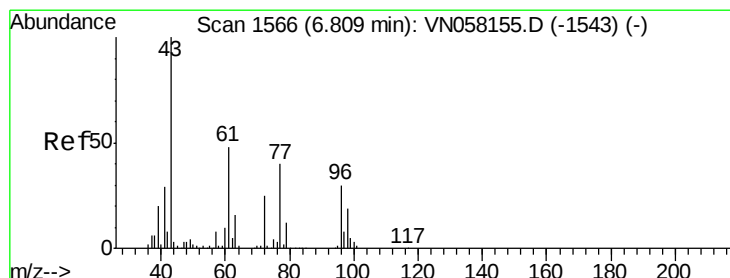
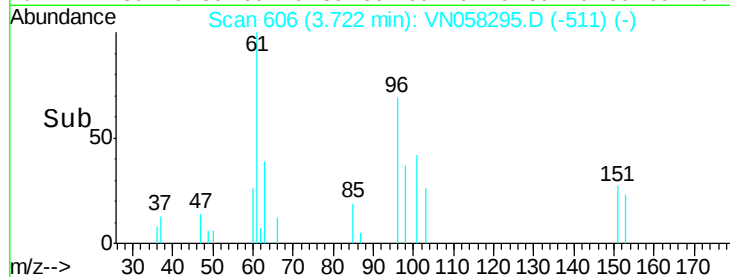
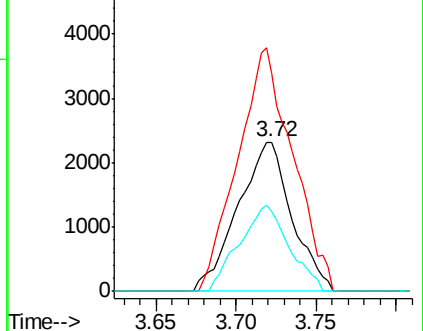
98 53.6 52.4 78.6



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



#27

cis-1,2-Dichloroethene

Concen: 1.363 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058295.D

Acq: 23 Sep 2019 16:14

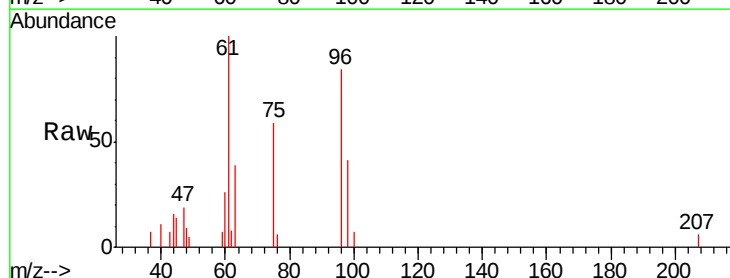
Tgt Ion: 96 Resp: 6736

Ion Ratio Lower Upper

96 100

61 70.4 0.0 319.0

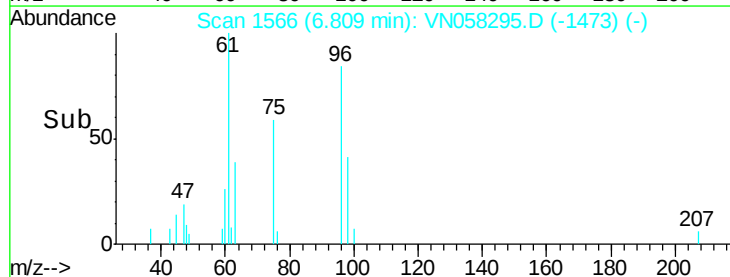
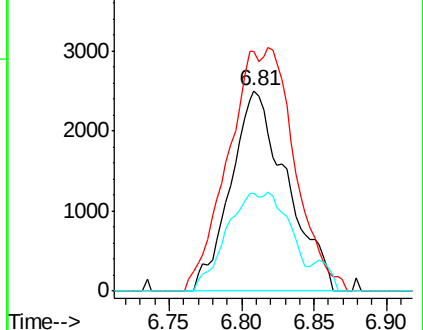
98 29.4 0.0 126.6

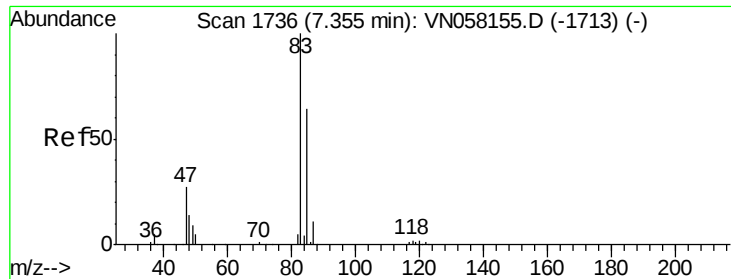


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

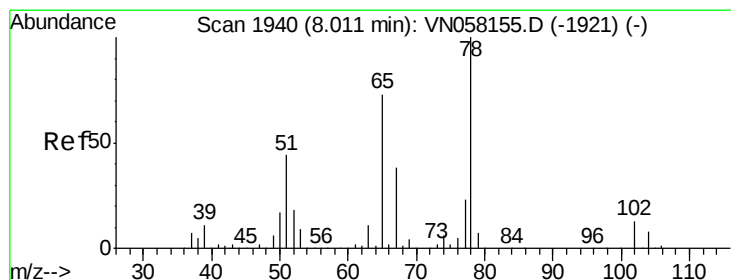
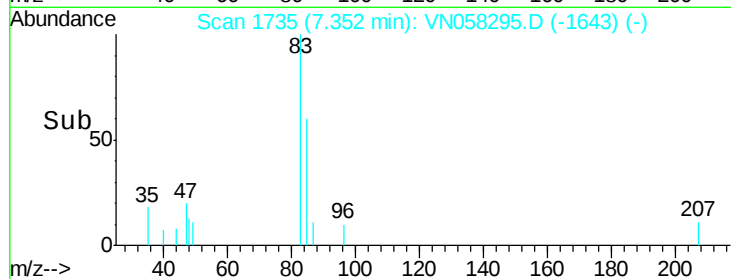
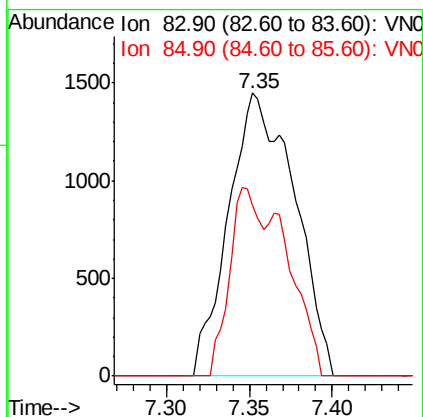
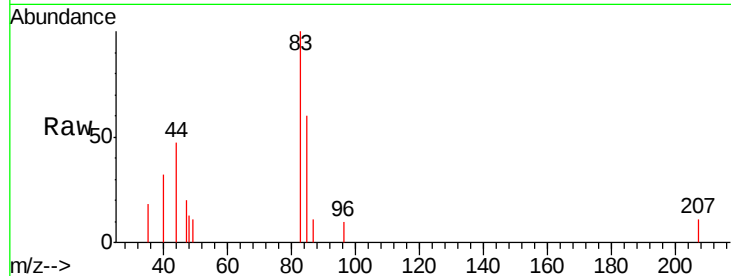




#30
Chloroform
Concen: 0.426 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058295.D
Acq: 23 Sep 2019 16:14

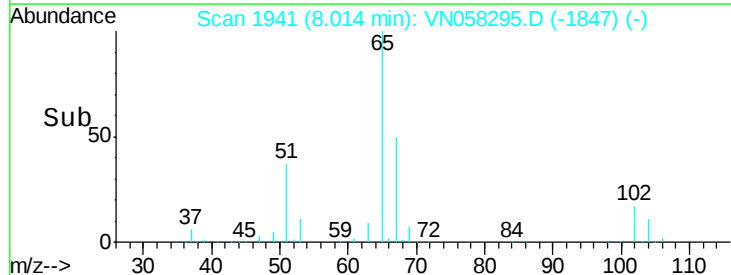
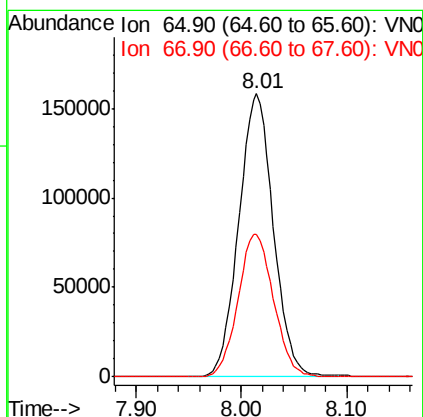
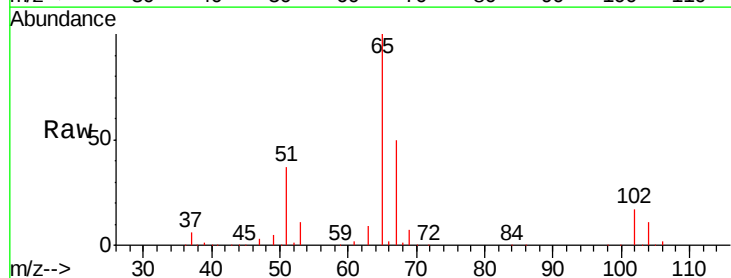
Instrument :
MSVOA_N
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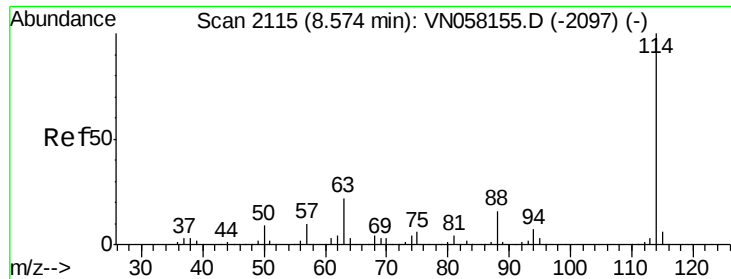
Tgt Ion: 83 Resp: 4008
Ion Ratio Lower Upper
83 100
85 60.4 51.4 77.2



#33
1,2-Dichloroethane-d4
Concen: 53.101 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058295.D
Acq: 23 Sep 2019 16:14

Tgt Ion: 65 Resp: 360435
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

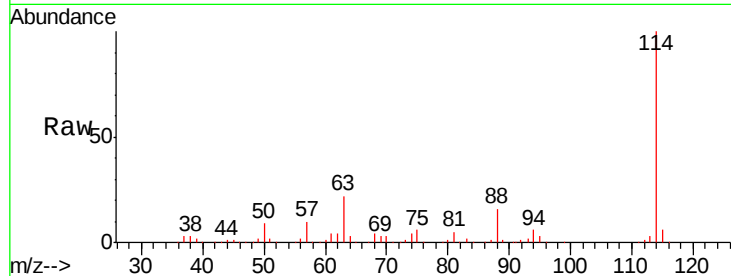




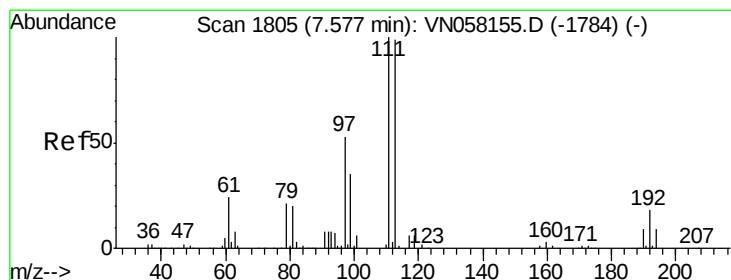
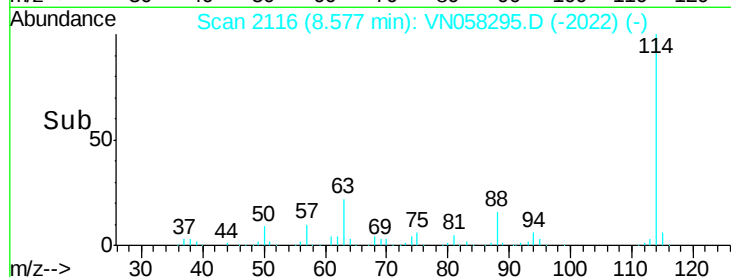
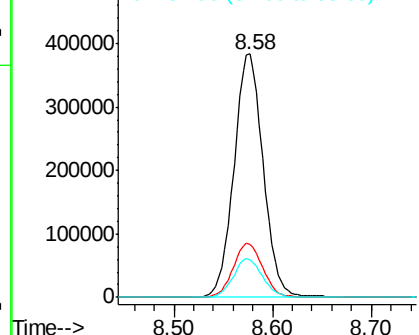
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058295.D
 Acq: 23 Sep 2019 16:14

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 MSVOA_N
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	15.6	0.0	31.6

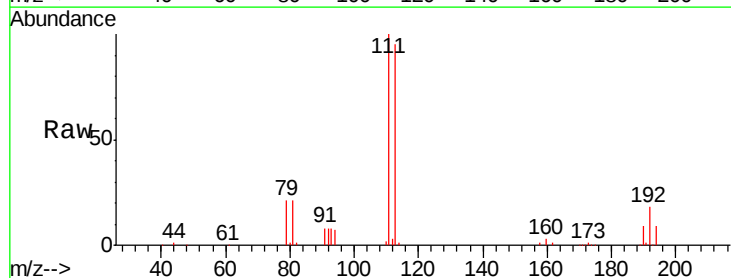


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

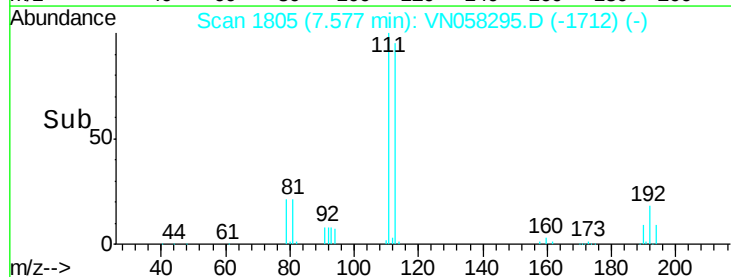
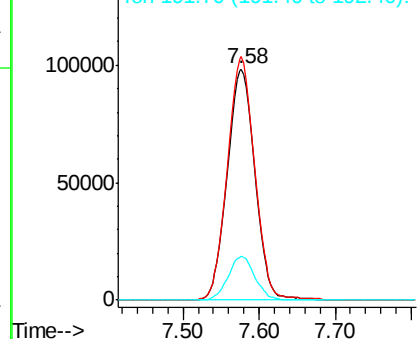


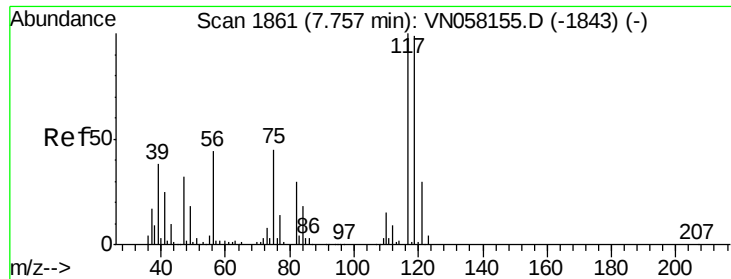
#35
 Dibromofluoromethane
 Concen: 51.938 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058295.D
 Acq: 23 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	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

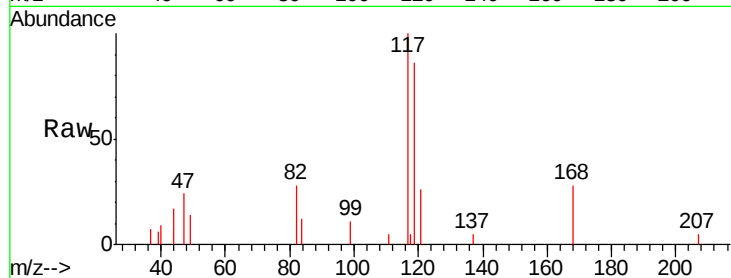




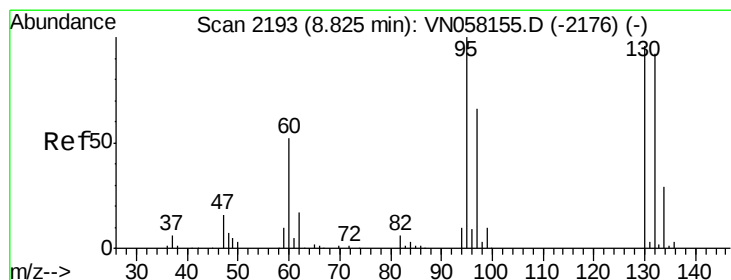
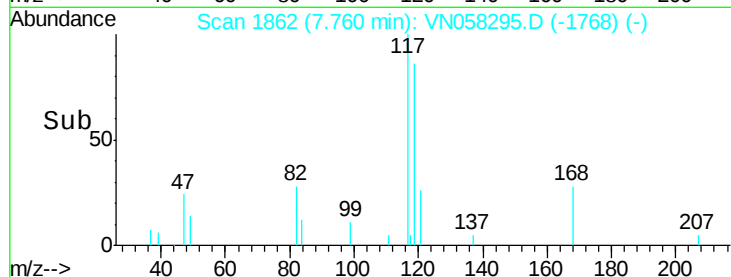
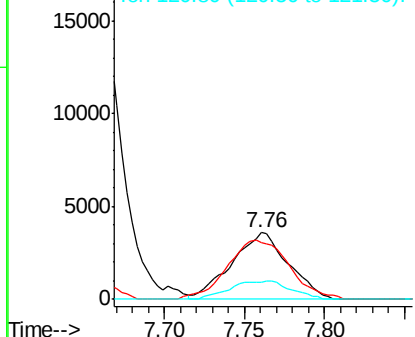
#38
Carbon Tetrachloride
Concen: 1.517 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058295.D
Acq: 23 Sep 2019 16:14

Instrument :
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Tgt Ion:117 Resp: 8728
Ion Ratio Lower Upper
117 100
119 81.7 78.6 117.8
121 26.4 24.1 36.1

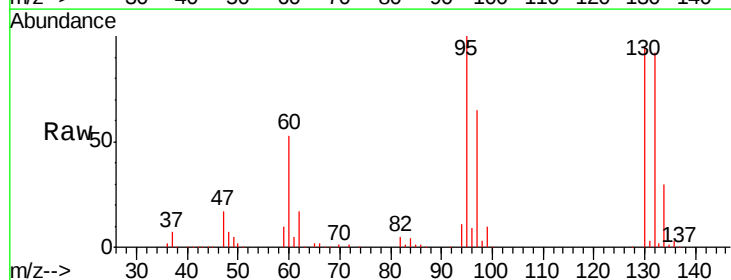


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

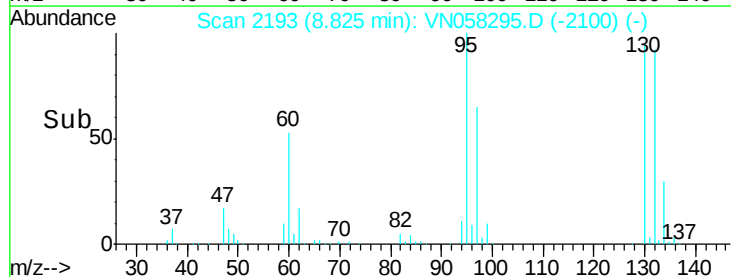
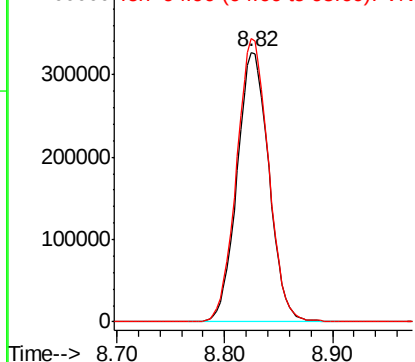


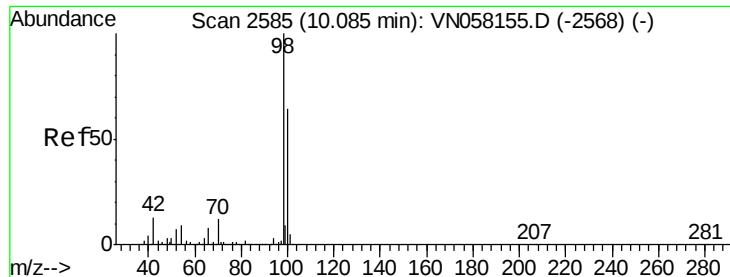
#44
Trichloroethene
Concen: 157.355 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058295.D
Acq: 23 Sep 2019 16:14

Tgt Ion:130 Resp: 672966
Ion Ratio Lower Upper
130 100
95 105.0 0.0 207.8



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





#50

Toluene-d8

Concen: 53.808 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058295.D

Acq: 23 Sep 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

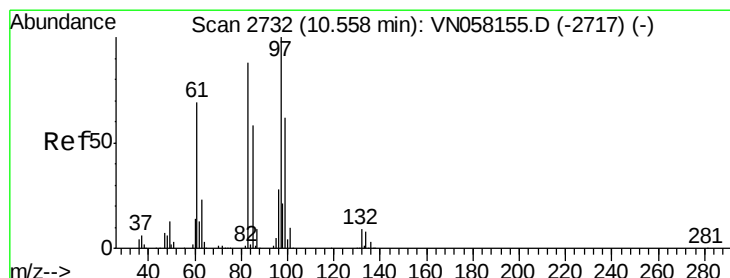
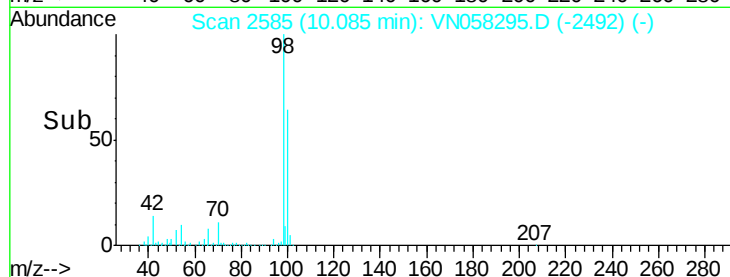
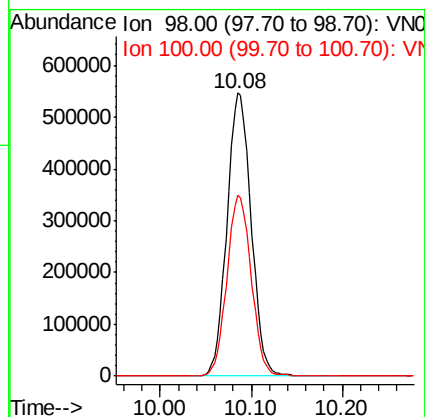
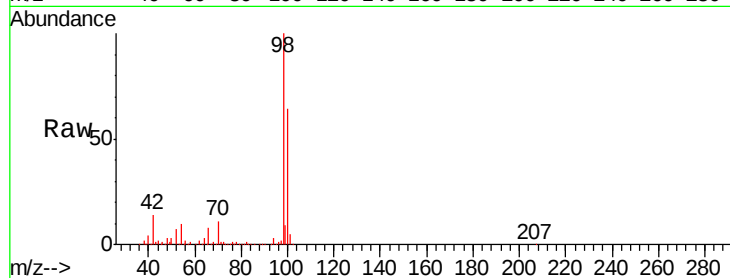
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Tgt Ion: 98 Resp: 1011218

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



#55

1,1,2-Trichloroethane

Concen: 0.651 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VN058295.D

Acq: 23 Sep 2019 16:14

Tgt Ion: 97 Resp: 3163

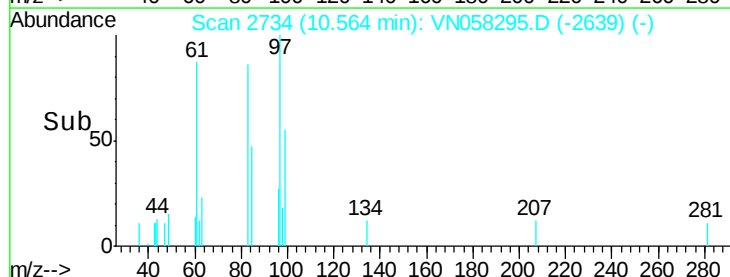
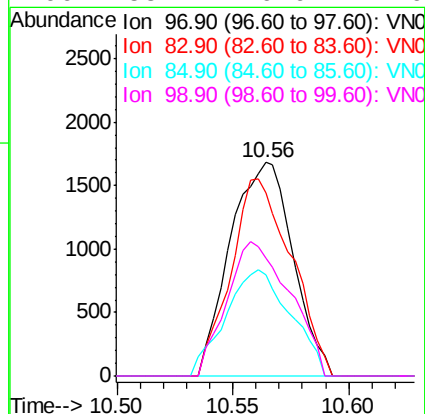
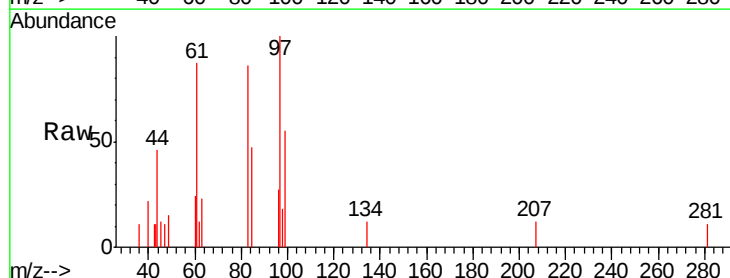
Ion Ratio Lower Upper

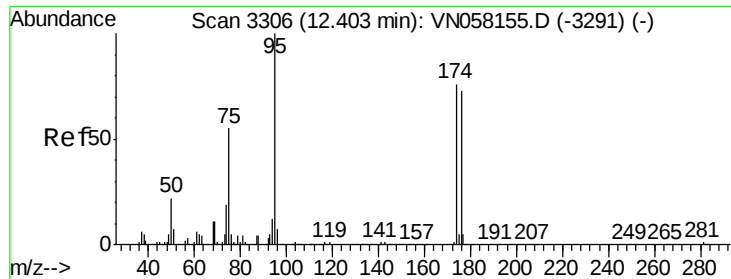
97 100

83 85.6 70.4 105.6

85 47.2 46.8 70.2

99 55.4 49.9 74.9





#62

4-Bromofluorobenzene

Concen: 44.894 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058295.D

Acq: 23 Sep 2019 16:14

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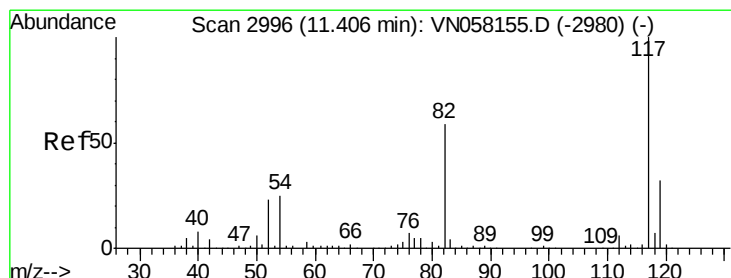
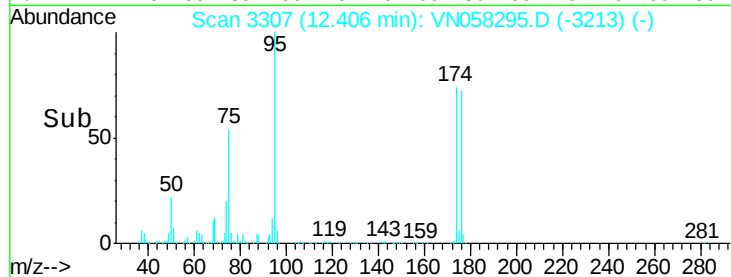
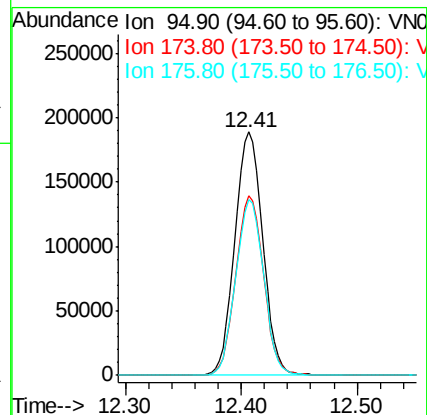
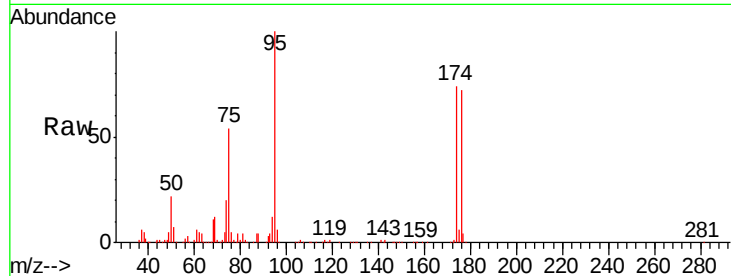
Tgt Ion: 95 Resp: 313404

Ion Ratio Lower Upper

95 100

174 73.6 0.0 152.2

176 72.4 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058295.D

Acq: 23 Sep 2019 16:14

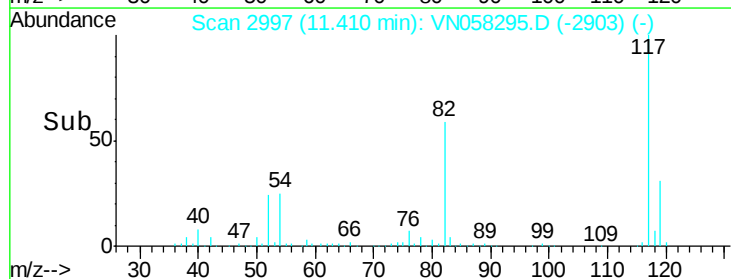
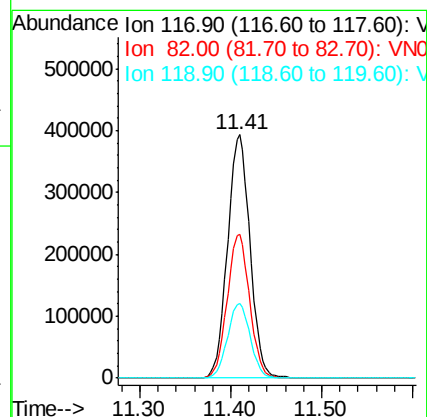
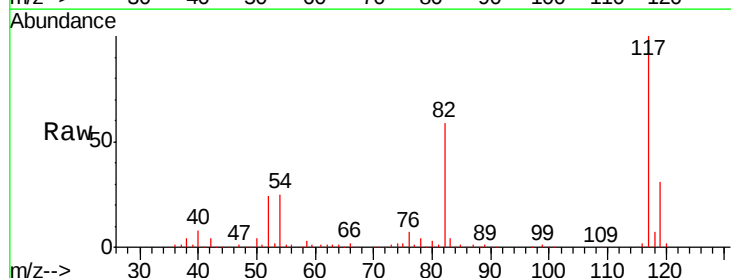
Tgt Ion: 117 Resp: 673802

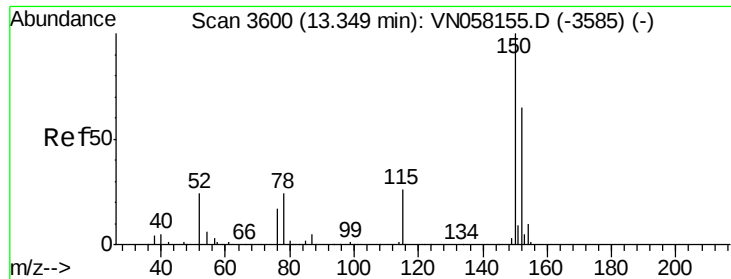
Ion Ratio Lower Upper

117 100

82 59.0 46.9 70.3

119 30.9 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058295.D

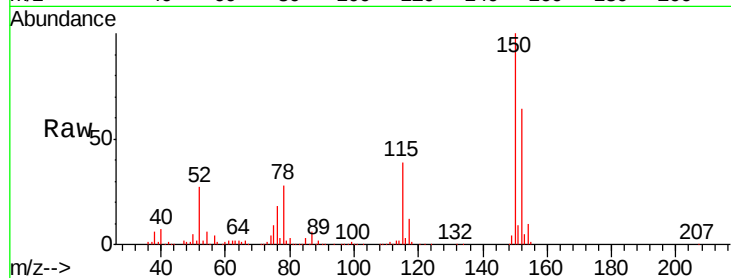
Acq: 23 Sep 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20190918



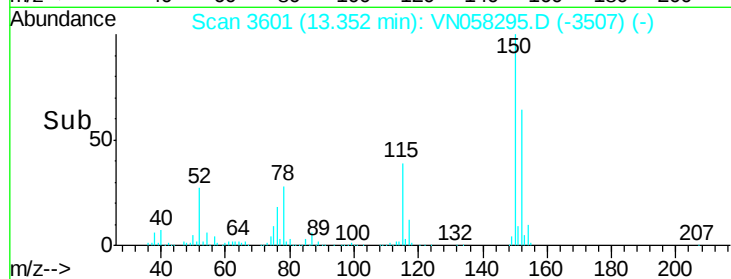
Tgt Ion:152 Resp: 254795

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

150 157.1 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

