

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054138.D
 Acq On : 11 Mar 2019 12:48
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Mar 12 03:21:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1467227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2341153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2361107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	974399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	760147	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.59	113	734571	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.09	98	2902257	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.40	95	1084010	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	7523	0.622 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	8951	0.622 ug/l #	84
12) 1,1-Dichloroethene	3.73	96	7463	0.537 ug/l #	63
13) Acrolein	3.61	56	2592	2.949 ug/l #	39
15) Acrylonitrile	5.00	53	3731	0.852 ug/l #	1
16) Acetone	3.83	43	4781	Below Cal	91
17) Carbon Disulfide	4.04	76	62771	1.749 ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	12642	0.926 ug/l	85
25) 2-Butanone	6.87	43	4211	0.804 ug/l	99
36) 1,1-Dichloropropene	7.79	75	13786	0.677 ug/l #	81
38) Carbon Tetrachloride	7.67	117	119196	5.277 ug/l #	16
39) Methylcyclohexane	9.08	83	13954	0.556 ug/l	94
44) Trichloroethene	8.84	130	10356	0.573 ug/l	97
49) 1,4-Dioxane	9.20	88	173	1.129 ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	19460	1.652 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	3231	0.506 ug/l	99
59) 2-Hexanone	10.76	43	41253	5.276 ug/l	95
64) Tetrachloroethene	10.63	164	13714	0.631 ug/l	96
68) m/p-Xylenes	11.62	106	26806	0.824 ug/l	95
74) N-amyl acetate	12.07	43	34920	1.978 ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	520768	37.846 ug/l #	100
77) Bromobenzene	12.53	156	10221	0.507 ug/l	87
78) n-propylbenzene	12.59	91	58019	0.700 ug/l	94
79) 2-Chlorotoluene	12.68	91	25712	0.506 ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	520768	112.657 ug/l #	11
82) 4-Chlorotoluene	12.77	91	38241	0.773 ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	36778	0.585 ug/l	99
85) sec-Butylbenzene	13.17	105	52636	0.685 ug/l	97
86) p-Isopropyltoluene	13.29	119	50446	0.752 ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	34950	1.037 ug/l	100
88) 1,4-Dichlorobenzene	13.28	146	34950	1.050 ug/l	99
89) n-Butylbenzene	13.62	91	60580	1.177 ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	29707	0.898 ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2283	0.791 ug/l	78

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QLast Update : Tue Mar 12 00:55:17 2019
Response via : Initial Calibration

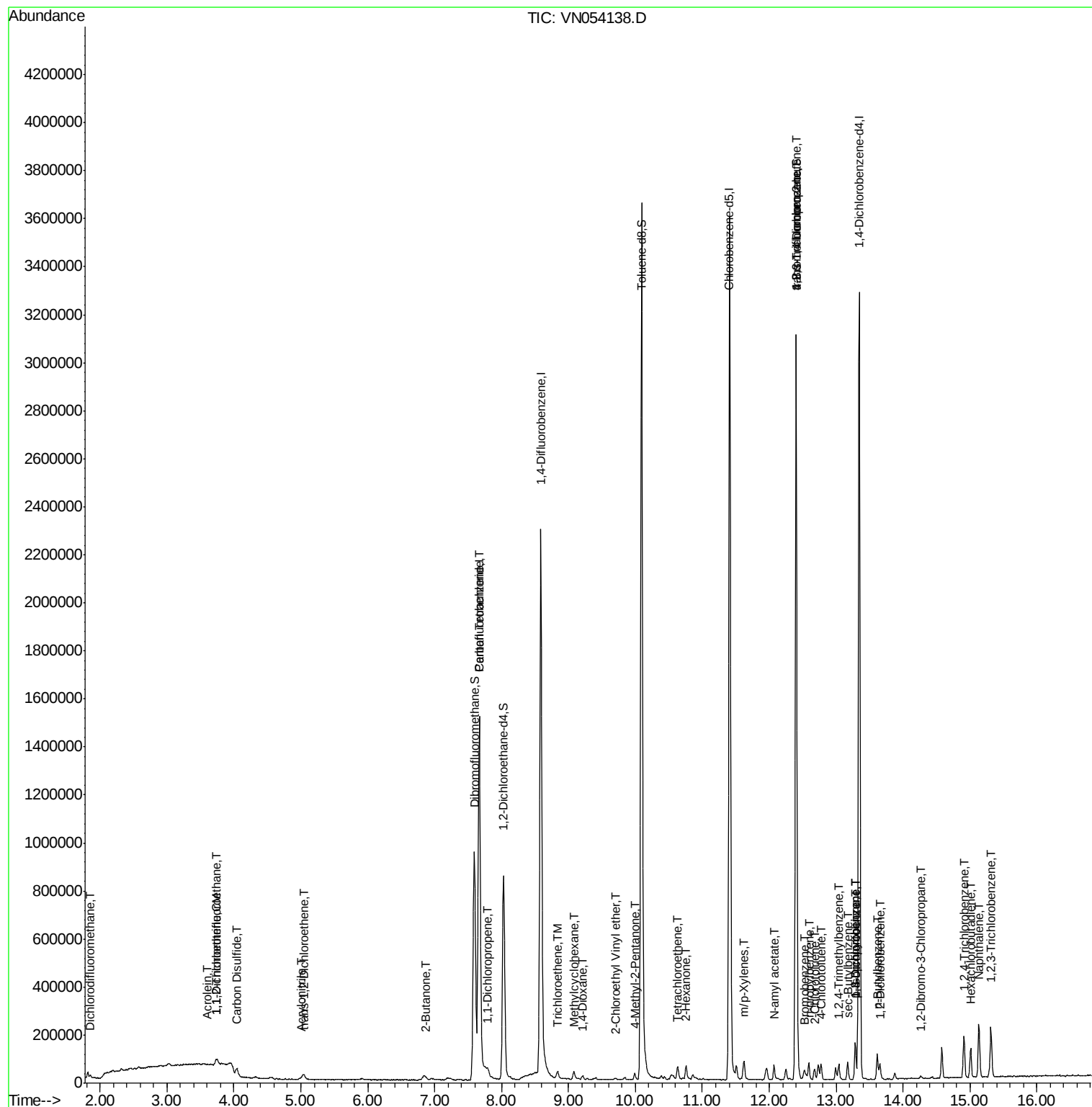
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62035	3.613	ug/l	100
94) Hexachlorobutadiene	15.01	225	23953	1.830	ug/l	97
95) Naphthalene	15.13	128	201827	5.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	79175	4.551	ug/l	99

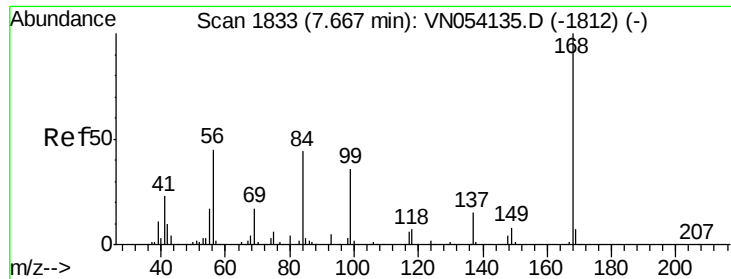
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

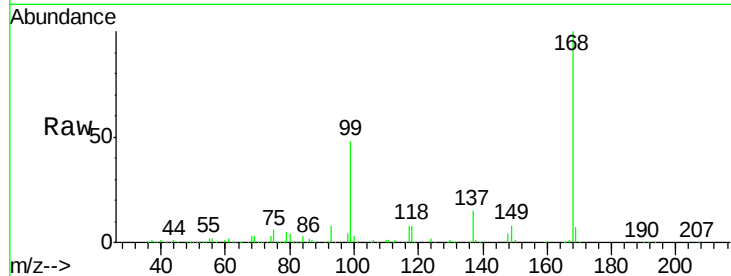
I.BLK

Tot Ion:168 Resp: 1467227

Ion Ratio Lower Upper

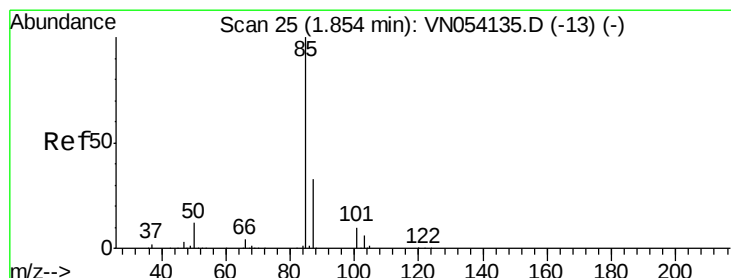
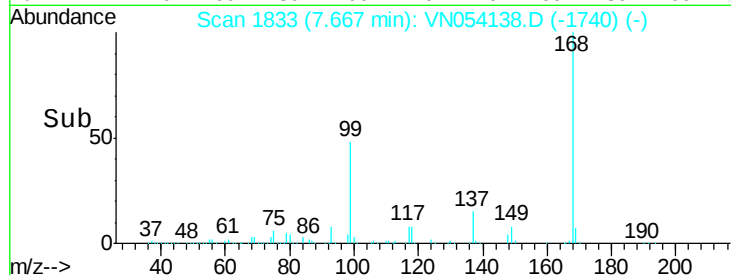
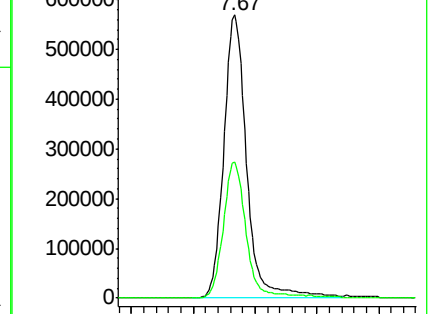
168 100

99 48.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.622 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054138.D

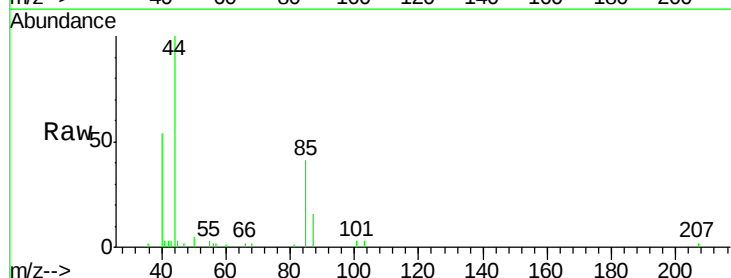
Acq: 11 Mar 2019 12:48

Tgt Ion: 85 Resp: 7523

Ion Ratio Lower Upper

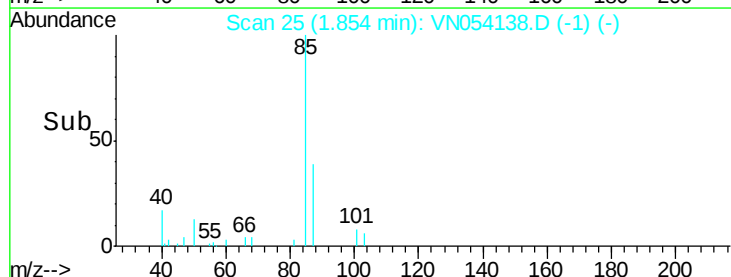
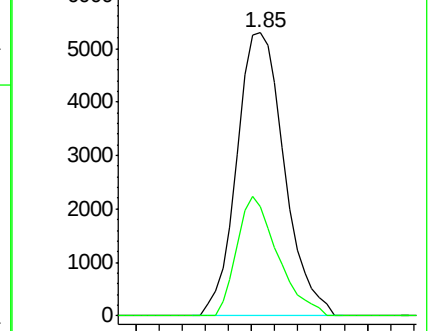
85 100

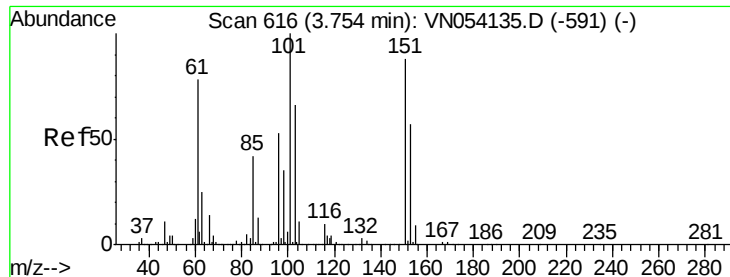
87 38.6 16.4 49.2



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: 0.622 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

I.BLK

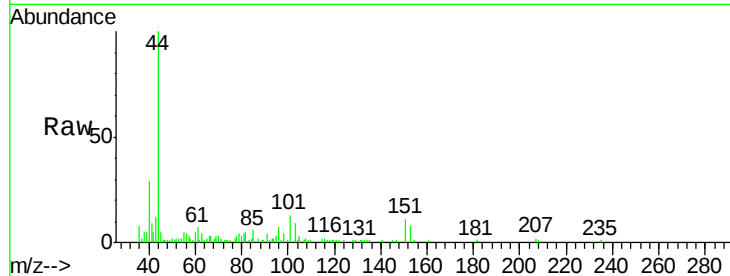
Tot Ion:101 Resp: 8951

Ion Ratio Lower Upper

101 100

85 33.9 33.1 49.7

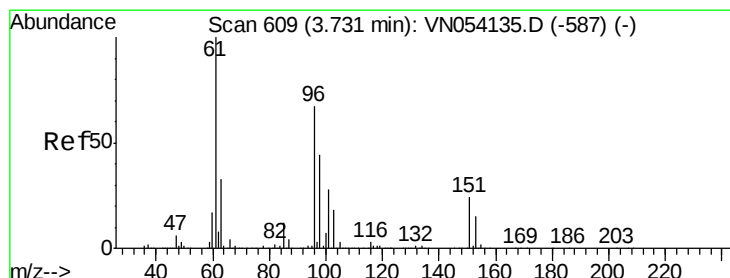
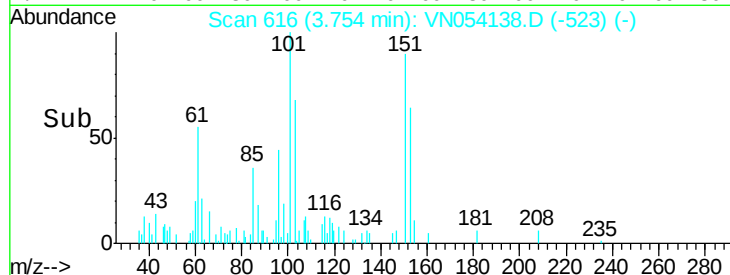
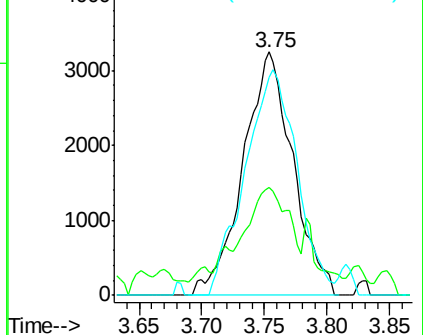
151 96.5 64.3 96.5#



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: 0.537 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

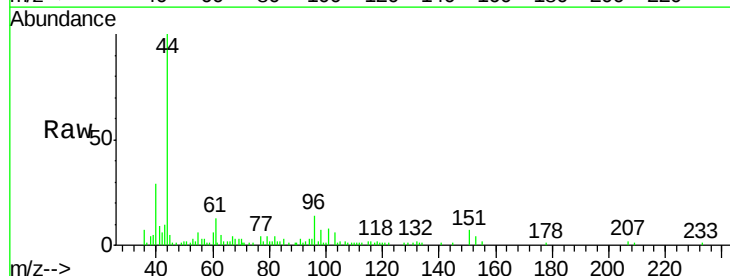
Tgt Ion: 96 Resp: 7463

Ion Ratio Lower Upper

96 100

61 105.8 131.2 196.8#

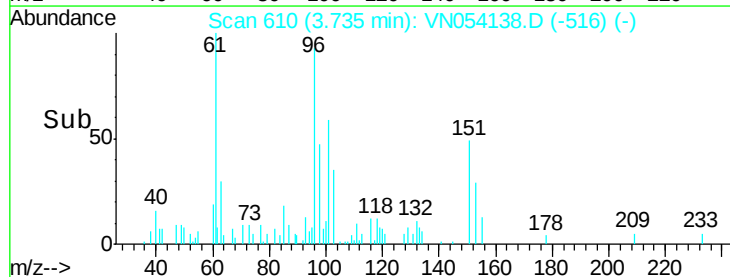
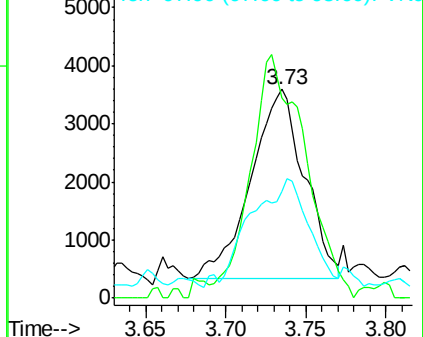
98 46.6 50.7 76.1#

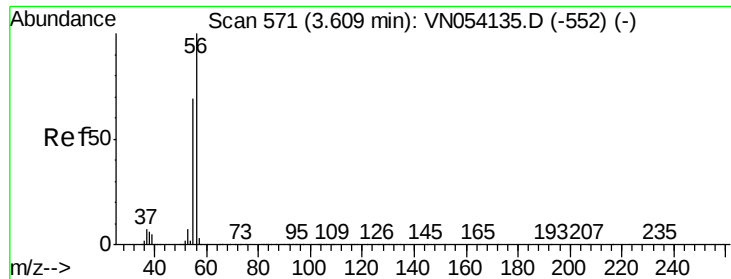


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 2.949 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

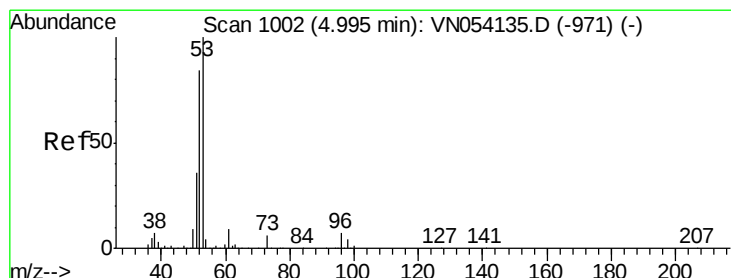
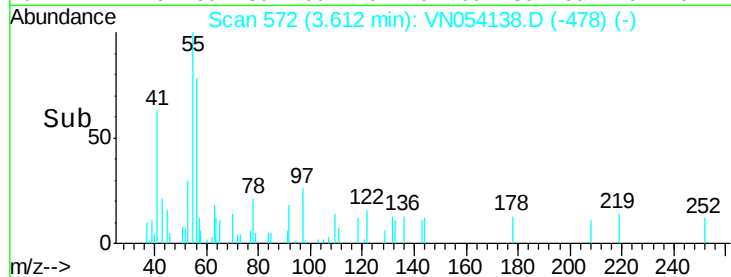
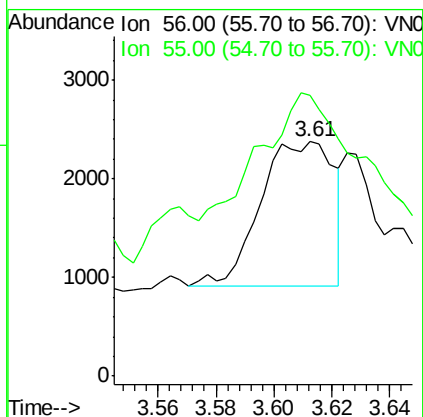
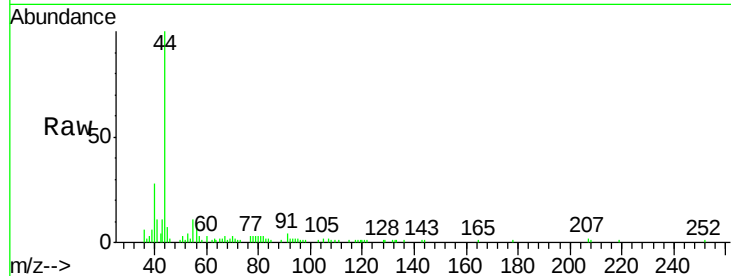
I.BLK

Tot Ion: 56 Resp: 2592

Ion Ratio Lower Upper

56 100

55 121.6 57.1 85.7#



#15

Acrylonitrile

Concen: 0.852 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

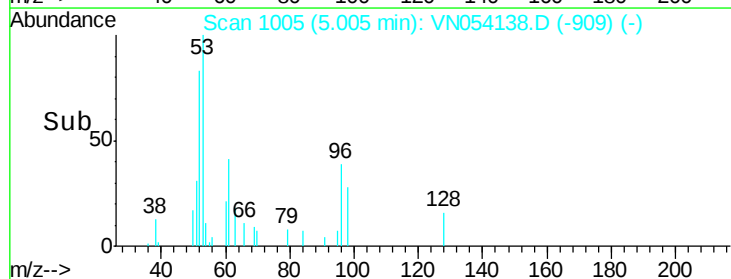
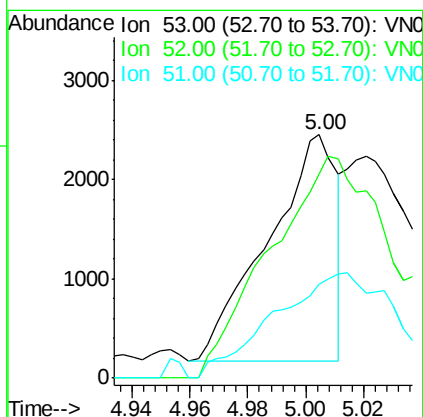
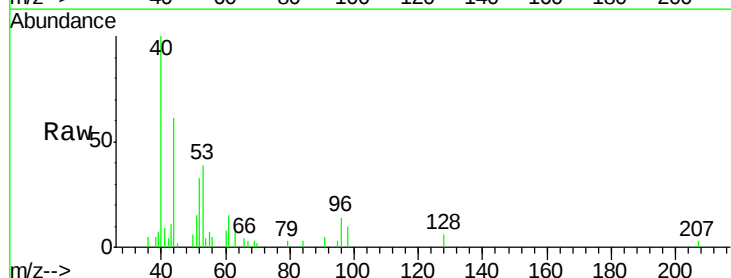
Tgt Ion: 53 Resp: 3731

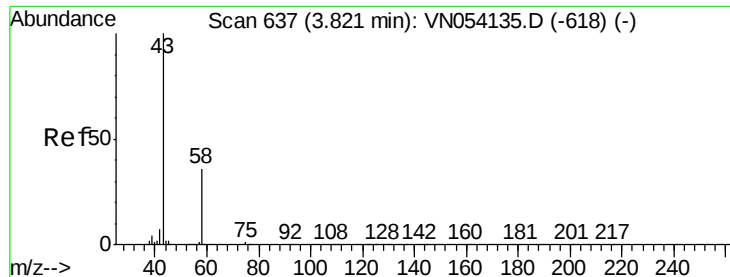
Ion Ratio Lower Upper

53 100

52 203.9 64.6 97.0#

51 81.4 28.6 42.8#





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

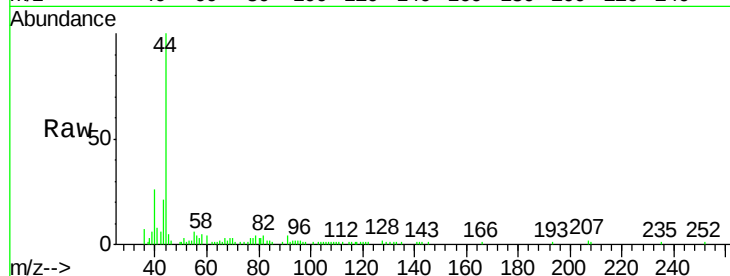
I.BLK

Tot Ion: 43 Resp: 4781

Ion Ratio Lower Upper

43 100

58 27.9 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

6000

5000

4000

3000

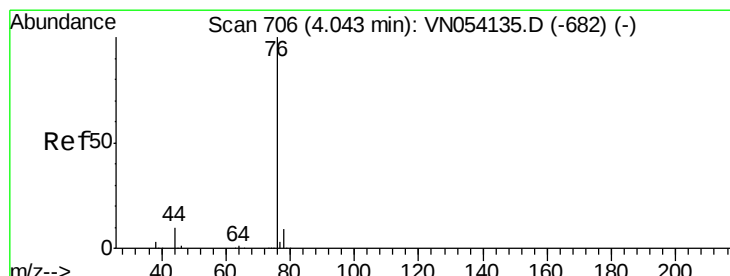
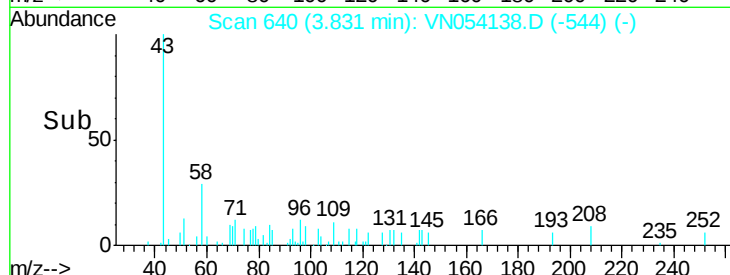
2000

1000

0

Time-->

3.80 3.85



#17

Carbon Disulfide

Concen: 1.749 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054138.D

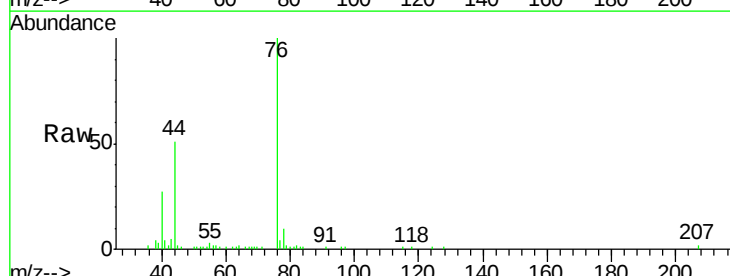
Acq: 11 Mar 2019 12:48

Tgt Ion: 76 Resp: 62771

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

25000

20000

15000

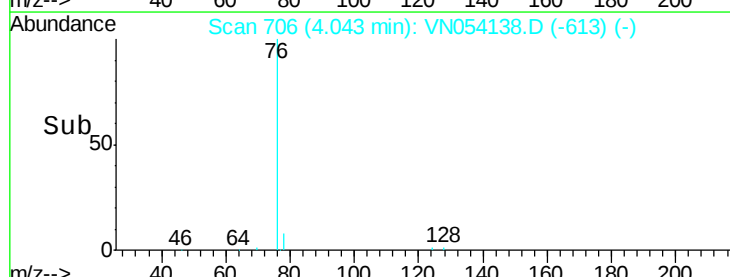
10000

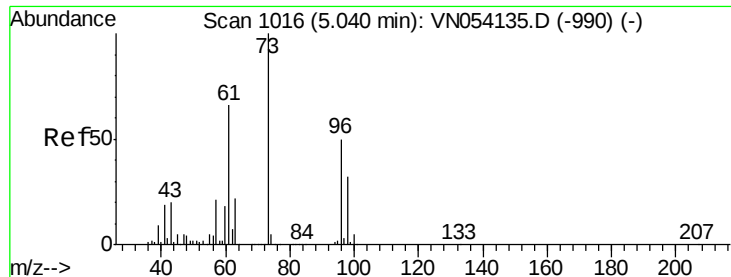
5000

0

Time-->

4.00 4.10





#21

trans-1,2-Dichloroethene

Concen: 0.926 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

I.BLK

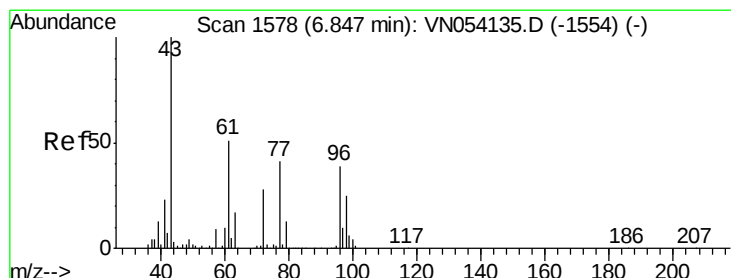
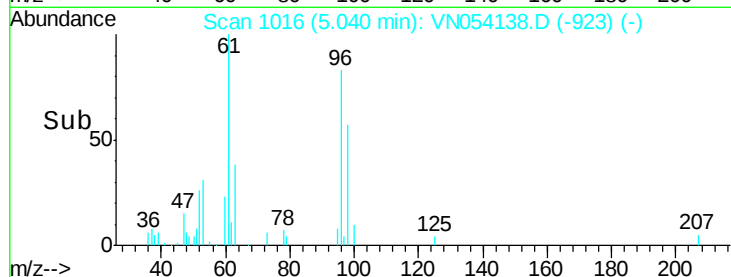
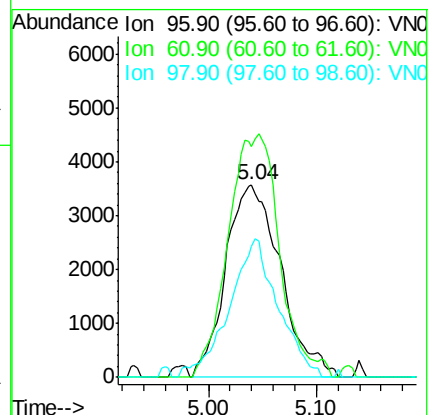
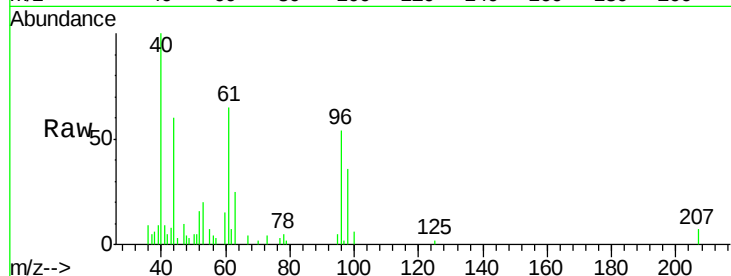
Tot Ion: 96 Resp: 12642

Ion Ratio Lower Upper

96 100

61 120.1 114.8 172.2

98 67.8 51.4 77.0



#25

2-Butanone

Concen: 0.804 ug/l

RT: 6.87 min Scan# 1586

Delta R.T. 0.03 min

Lab File: VN054138.D

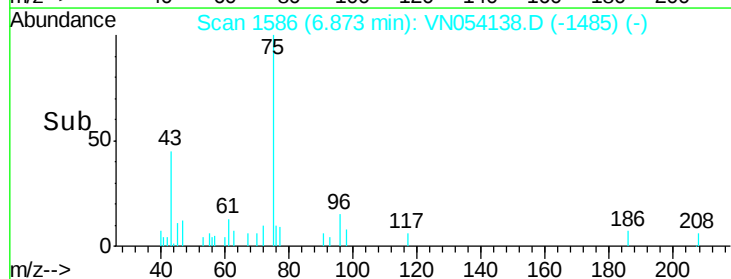
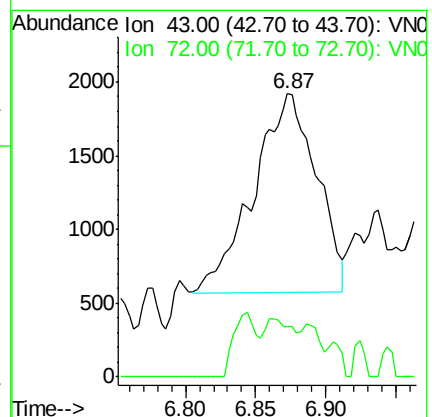
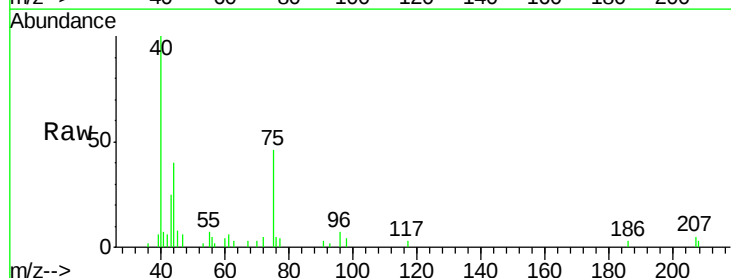
Acq: 11 Mar 2019 12:48

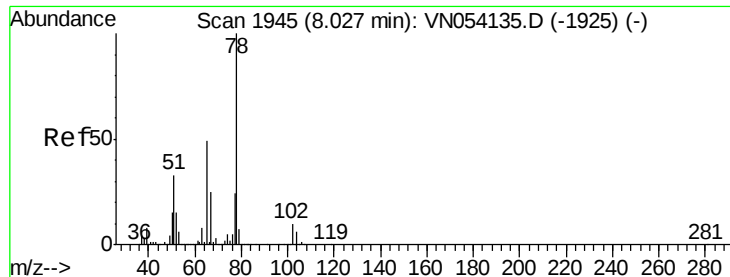
Tgt Ion: 43 Resp: 4211

Ion Ratio Lower Upper

43 100

72 25.7 20.2 30.2





#33

1,2-Dichloroethane-d4

Concen: 48.445 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

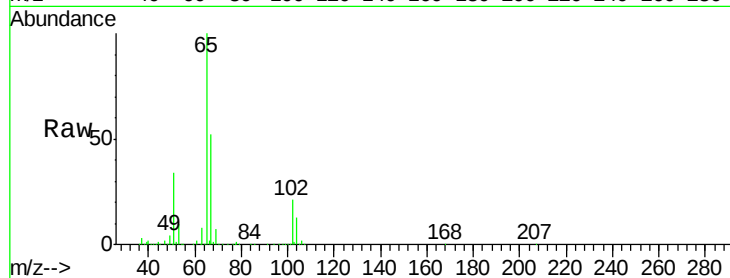
I.BLK

Tot Ion: 65 Resp: 760147

Ion Ratio Lower Upper

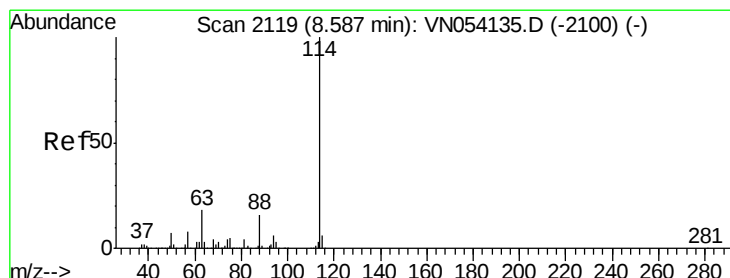
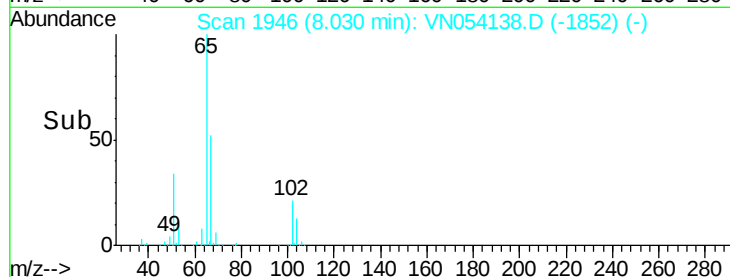
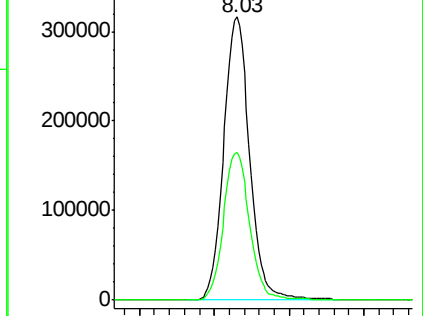
65 100

67 52.5 0.0 109.6



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: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

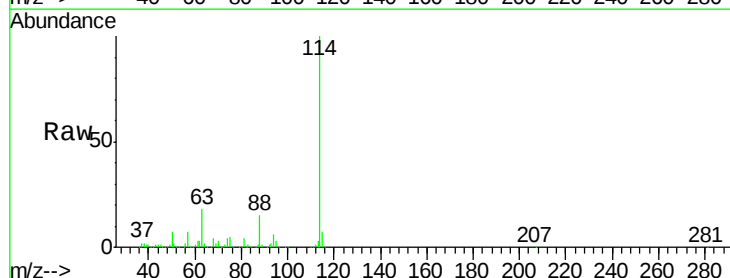
Tgt Ion: 114 Resp: 2341153

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.6

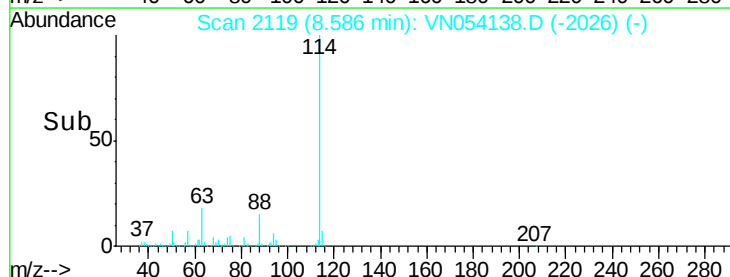
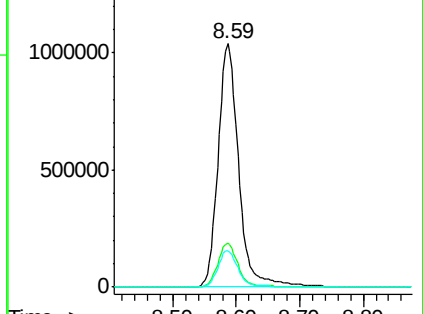
88 15.1 0.0 31.8

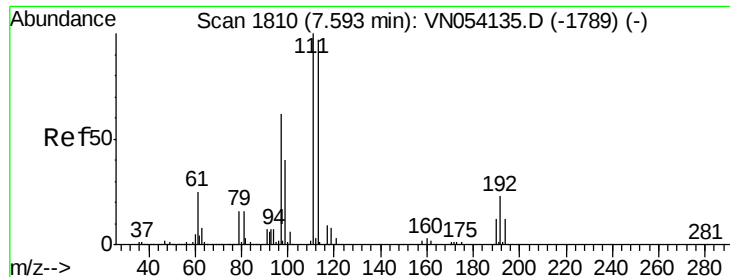


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

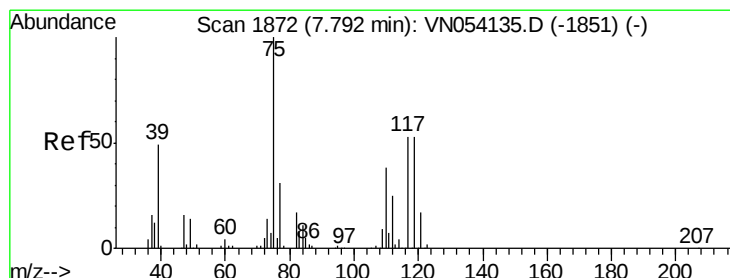
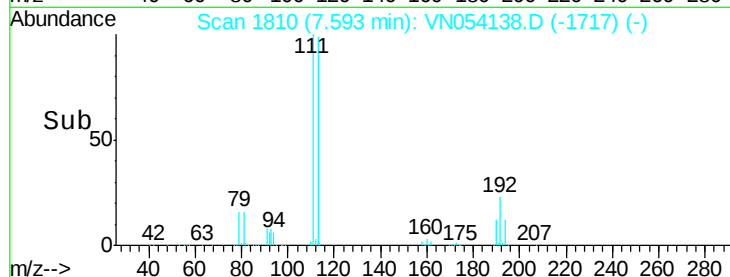
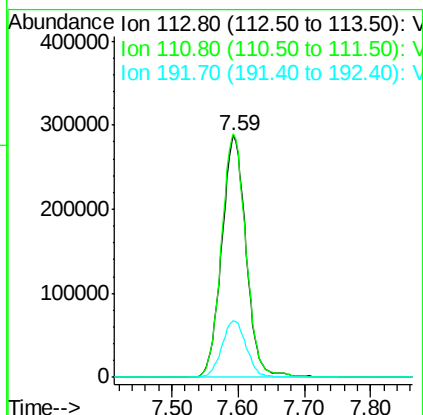
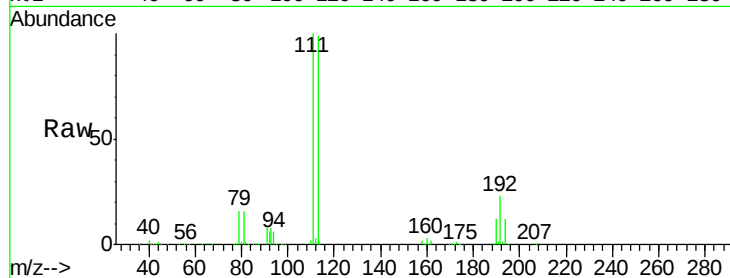




#35
 Dibromofluoromethane
 Concen: 48.632 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

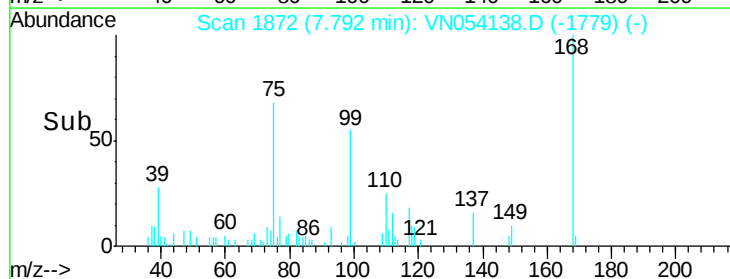
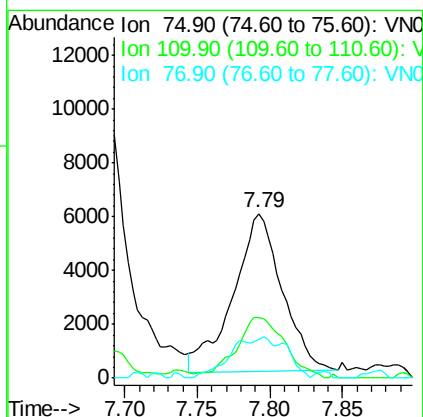
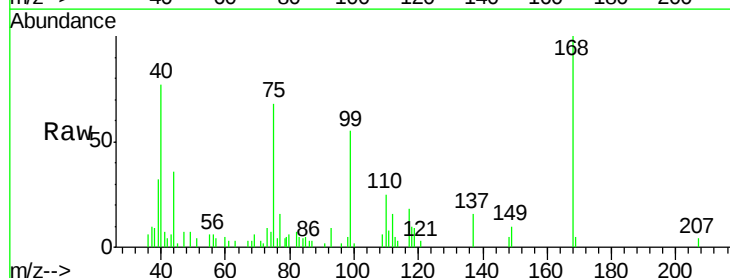
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

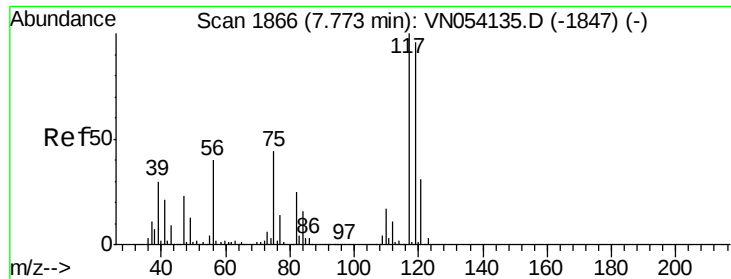
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.1	123.1
192	23.3	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 0.677 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.0	54.0
77	12.1	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 5.277 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

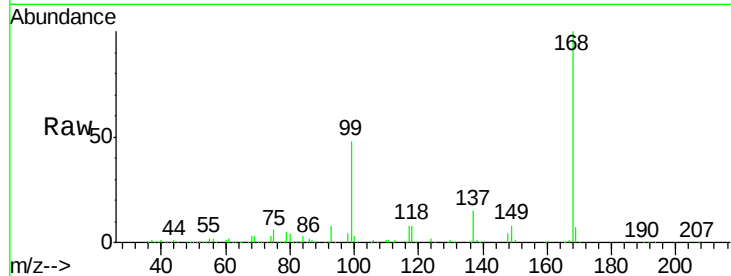
Tot Ion:117 Resp: 119196

Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.6#

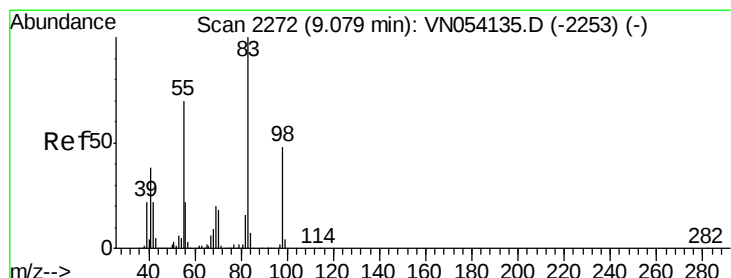
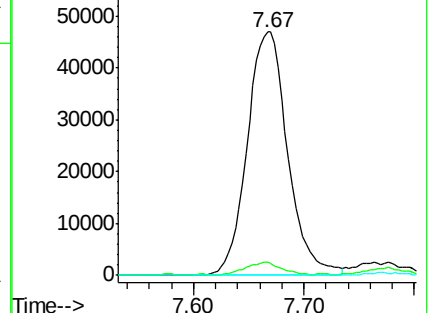
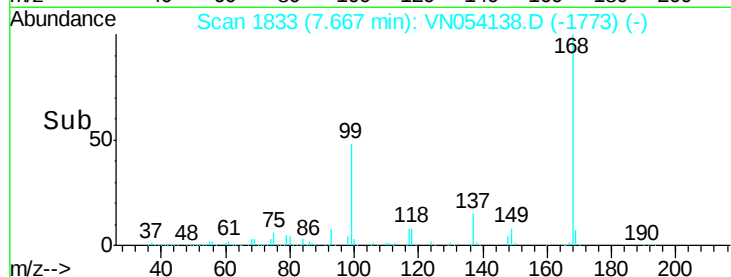
121 0.0 24.3 36.5#



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



#39

Methylcyclohexane

Concen: 0.556 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

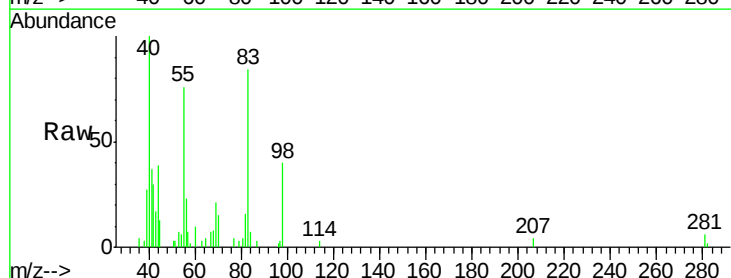
Tgt Ion: 83 Resp: 13954

Ion Ratio Lower Upper

83 100

55 84.5 62.1 93.1

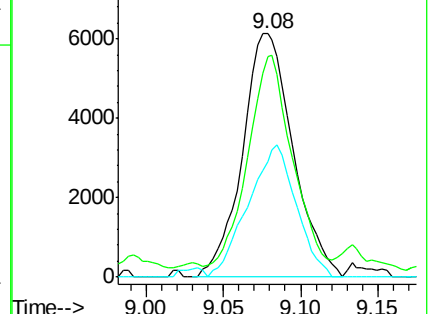
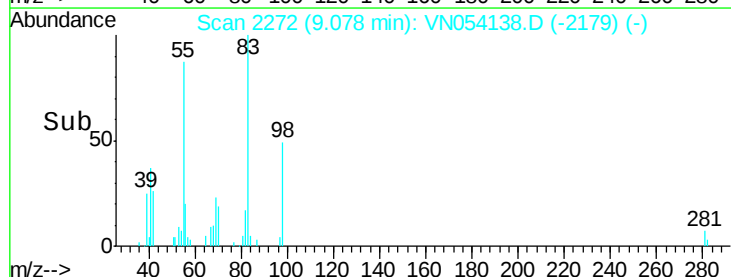
98 47.5 36.0 54.0

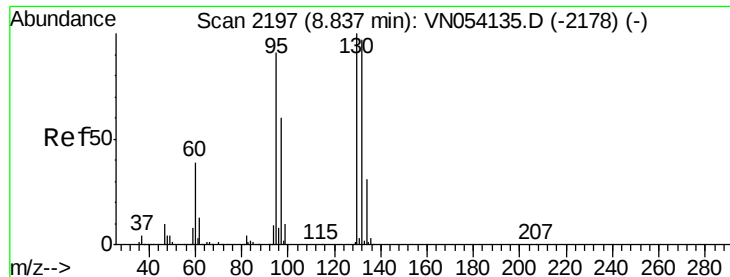


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 0.573 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

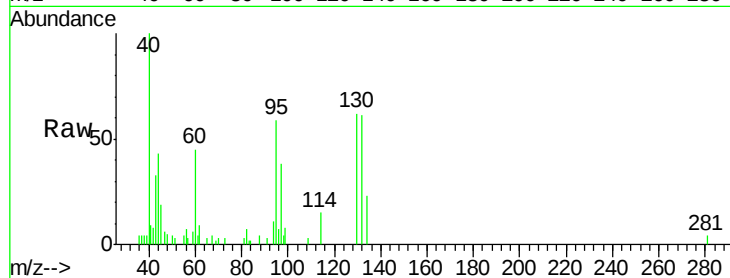
I.BLK

Tot Ion:130 Resp: 10356

Ion Ratio Lower Upper

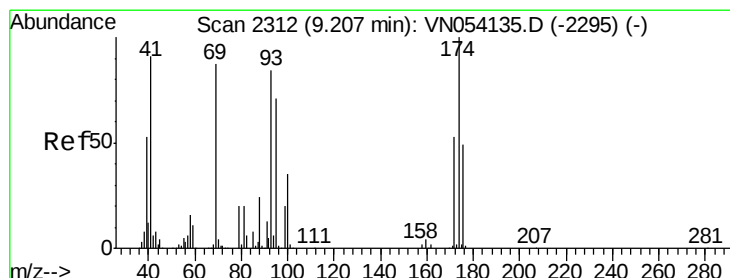
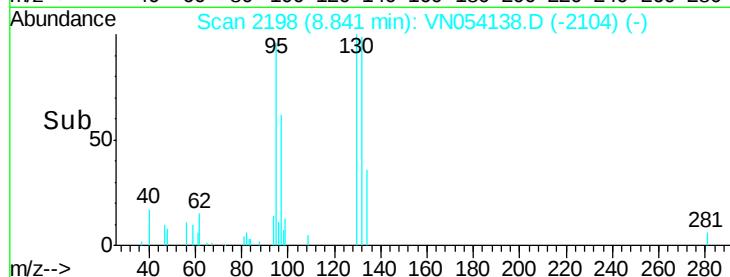
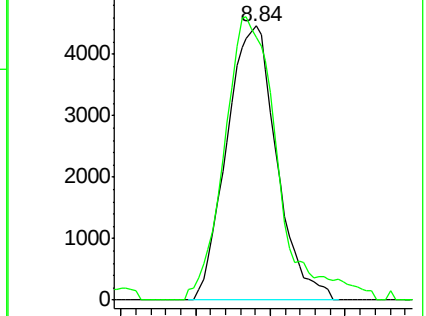
130 100

95 92.0 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#49

1,4-Dioxane

Concen: 1.129 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

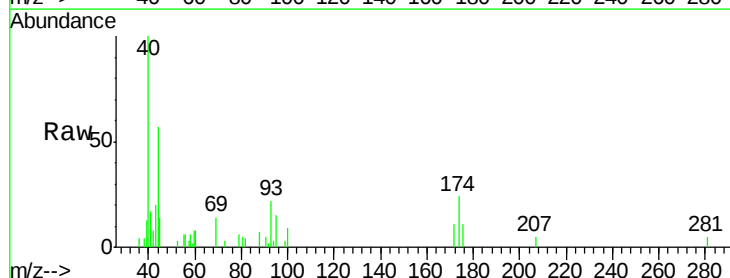
Tgt Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 106.9 25.5 38.3#

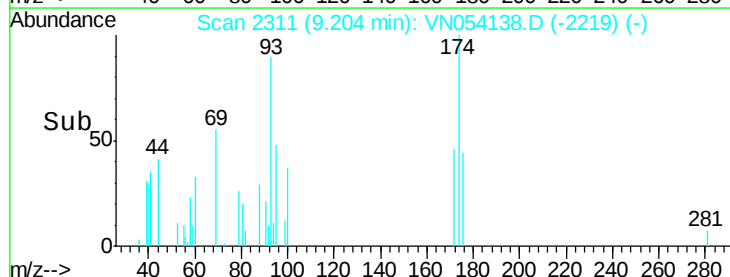
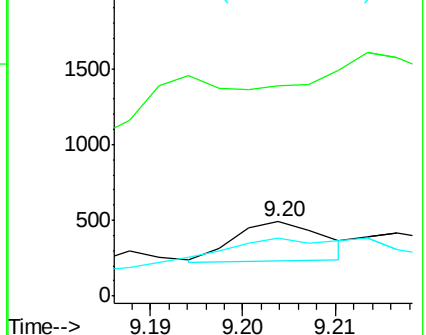
58 547.4 58.3 87.5#

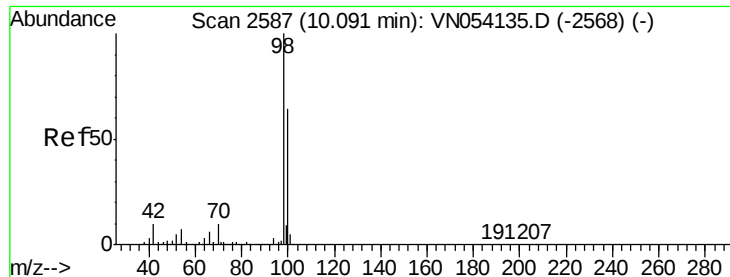


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 52.157 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

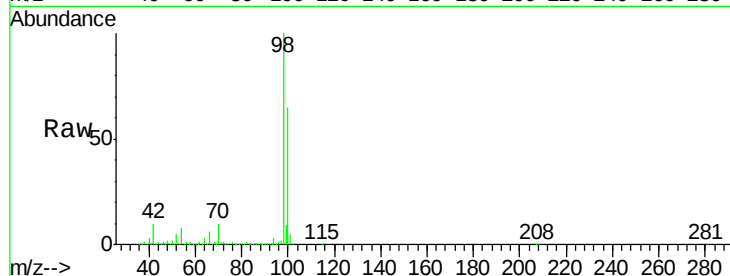
I.BLK

Tot Ion: 98 Resp: 2902257

Ion Ratio Lower Upper

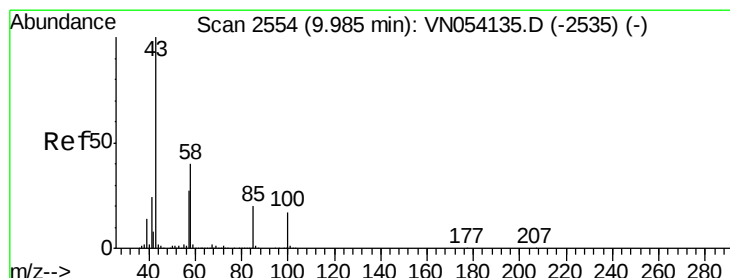
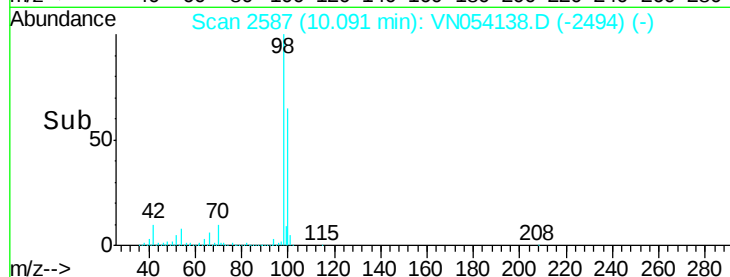
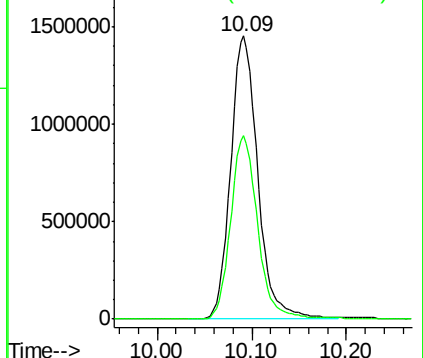
98 100

100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.652 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054138.D

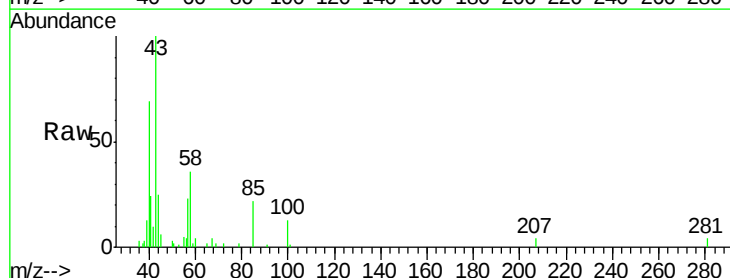
Acq: 11 Mar 2019 12:48

Tgt Ion: 43 Resp: 19460

Ion Ratio Lower Upper

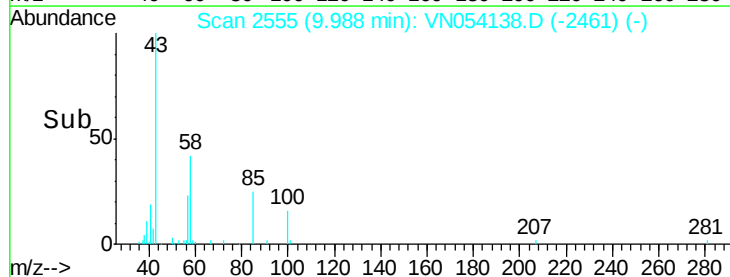
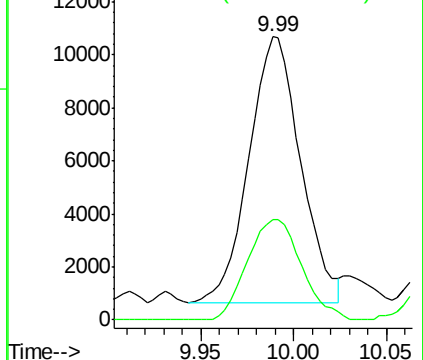
43 100

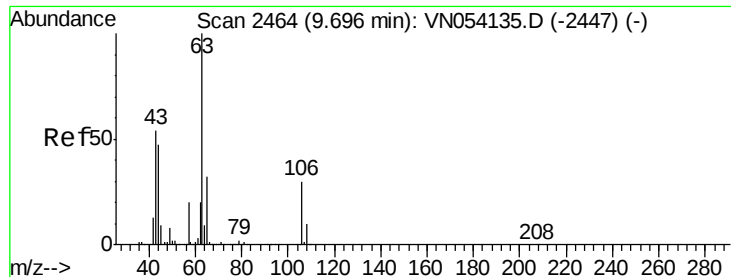
58 39.5 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

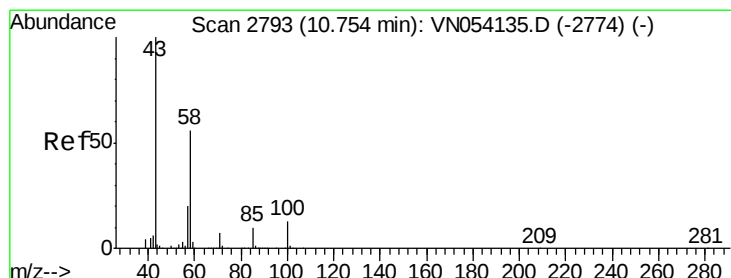
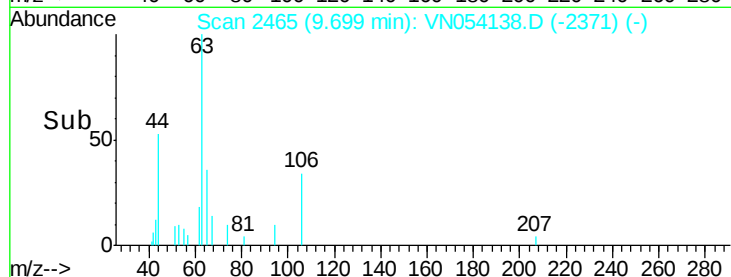
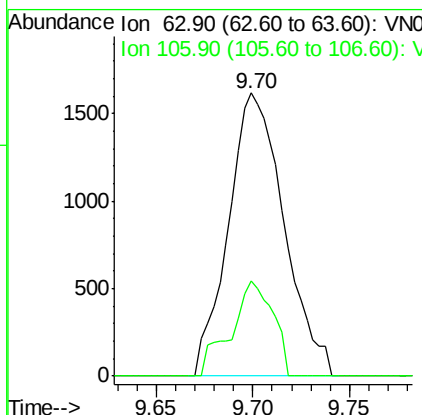
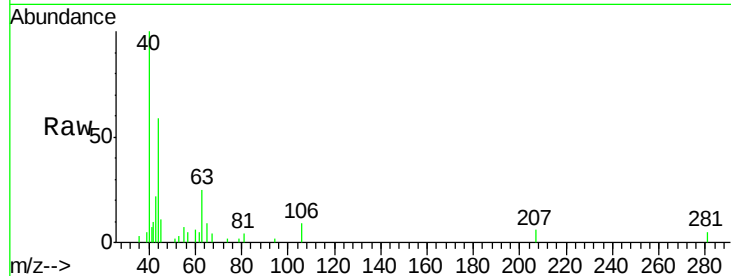




#58
2-Chloroethyl Vinyl ether
Concen: 0.506 ug/l
RT: 9.70 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VN054138.D
Acq: 11 Mar 2019 12:48

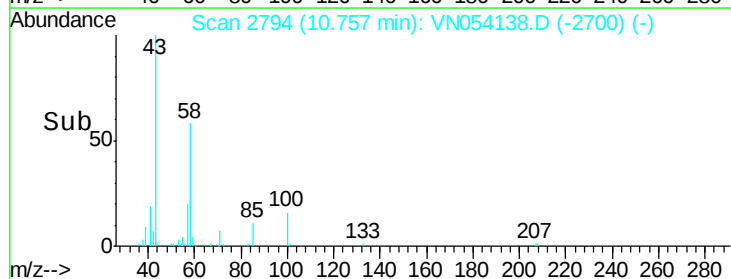
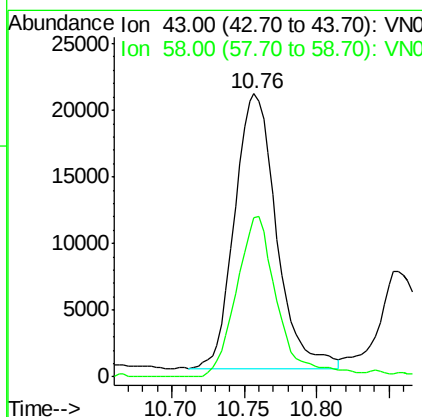
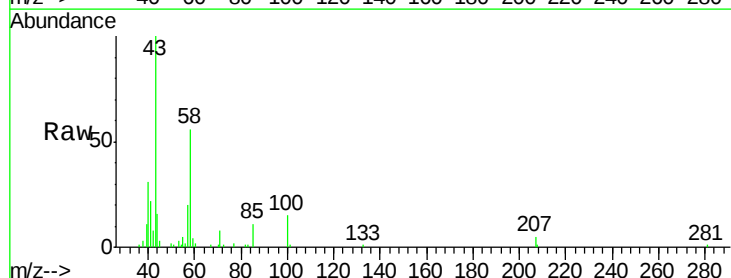
Instrument :
MSVOA_N
ClientSampled :
I.BLK

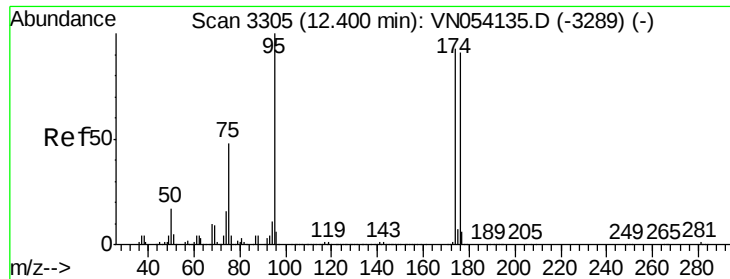
Tot Ion: 63 Resp: 3231
Ion Ratio Lower Upper
63 100
106 25.5 20.2 30.2



#59
2-Hexanone
Concen: 5.276 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN054138.D
Acq: 11 Mar 2019 12:48

Tgt Ion: 43 Resp: 41253
Ion Ratio Lower Upper
43 100
58 57.5 27.0 81.0





#62

4-Bromofluorobenzene

Concen: 55.644 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

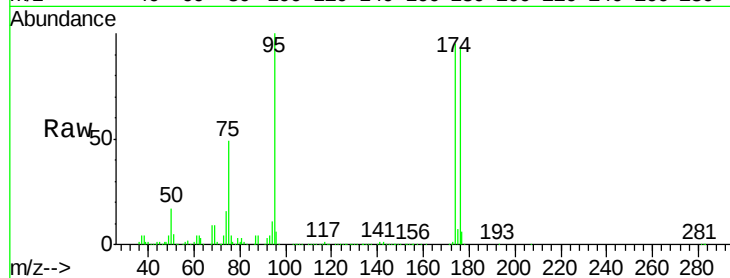
Tot Ion: 95 Resp: 1084010

Ion Ratio Lower Upper

95 100

174 94.8 0.0 173.2

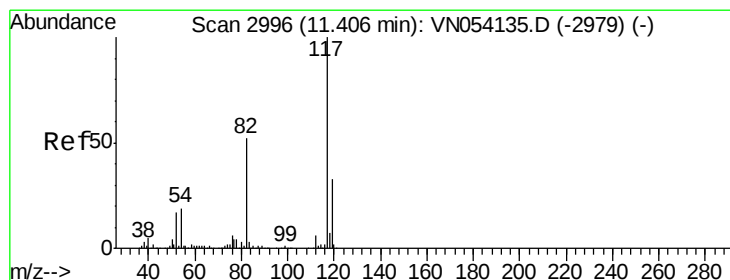
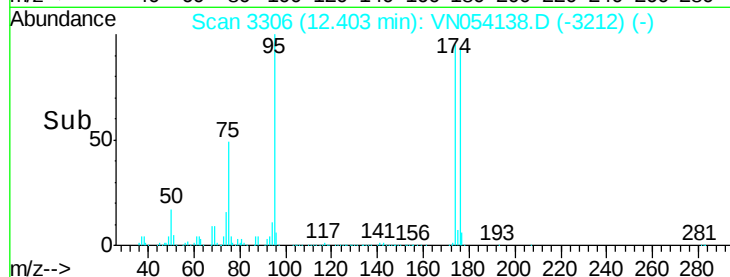
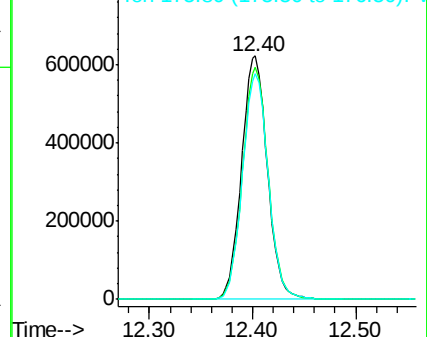
176 92.6 0.0 168.8



Abundance Ion 94.90 (94.60 to 95.60): VN054138.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054138.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054138.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

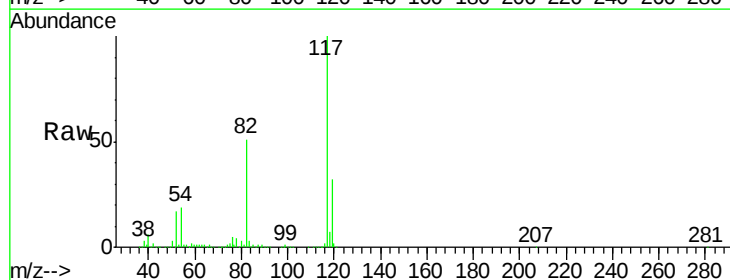
Tgt Ion: 117 Resp: 2361107

Ion Ratio Lower Upper

117 100

82 50.6 43.4 65.2

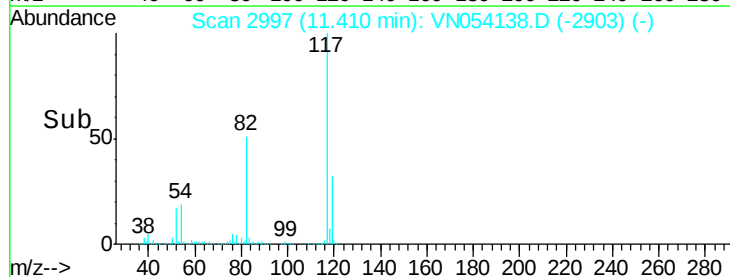
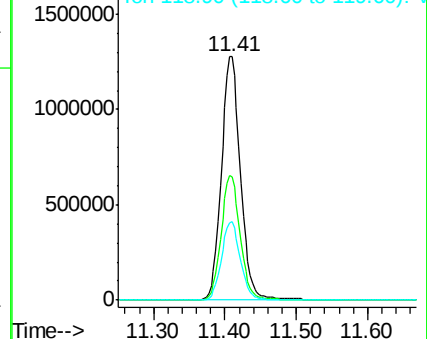
119 32.0 26.0 39.0

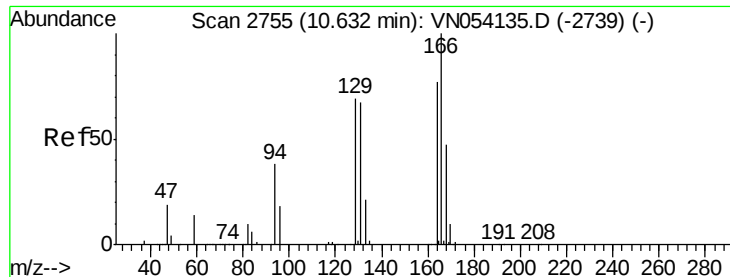


Abundance Ion 116.90 (116.60 to 117.60): VN054138.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN054138.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN054138.D (-2979) (-)





#64

Tetrachloroethene

Concen: 0.631 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion:164 Resp: 13714

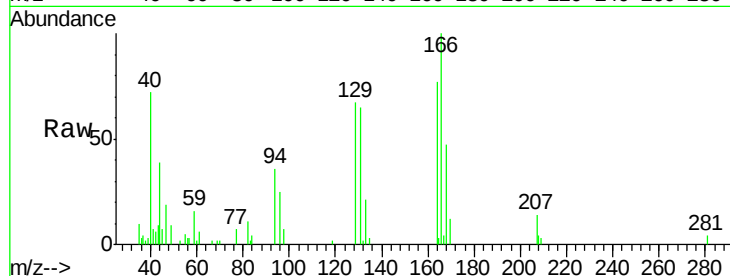
Ion Ratio Lower Upper

164 100

166 129.3 101.3 151.9

129 86.4 73.2 109.8

131 83.7 70.8 106.2

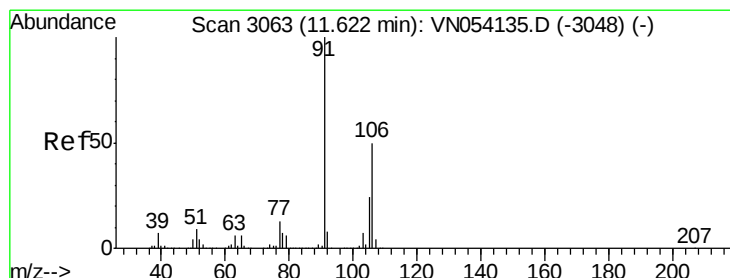
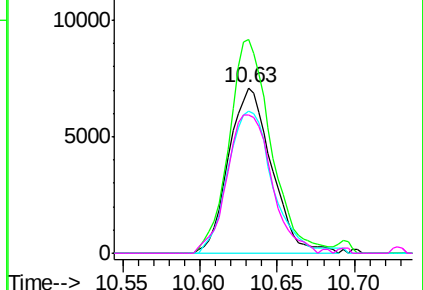
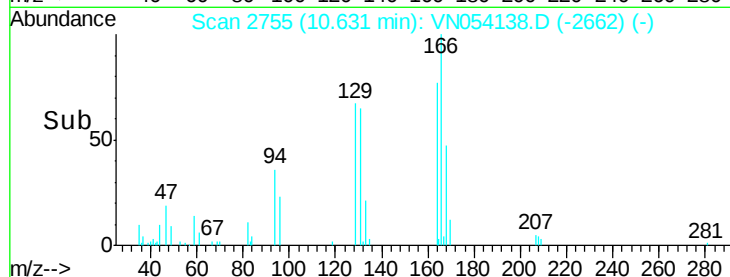


Abundance Ion 163.80 (163.50 to 164.50): V

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



#68

m/p-Xylenes

Concen: 0.824 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054138.D

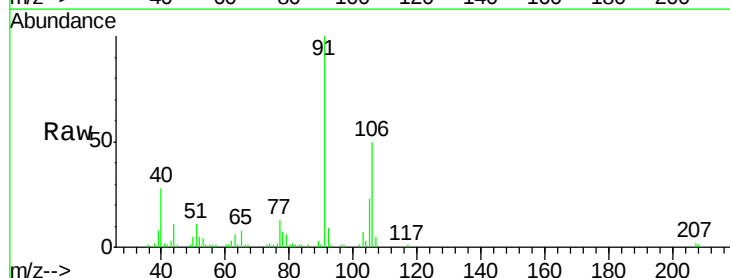
Acq: 11 Mar 2019 12:48

Tgt Ion:106 Resp: 26806

Ion Ratio Lower Upper

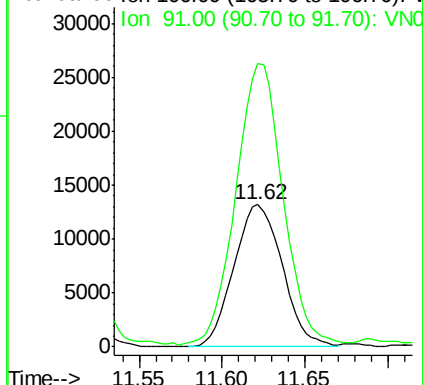
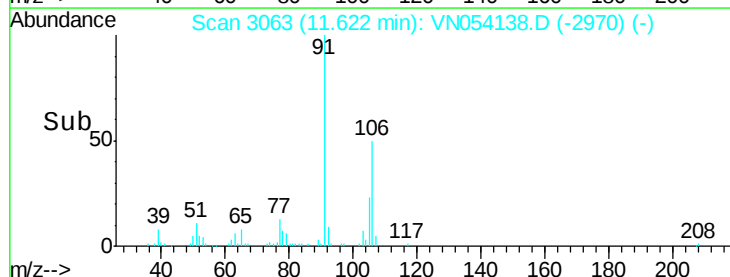
106 100

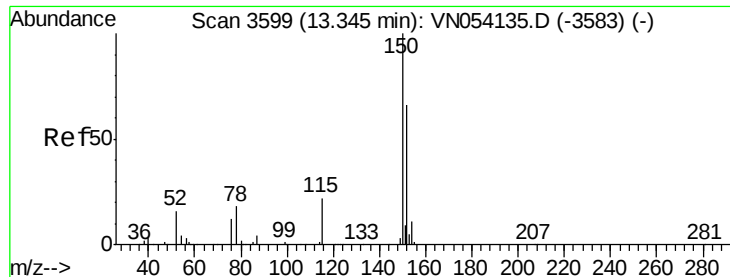
91 196.0 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

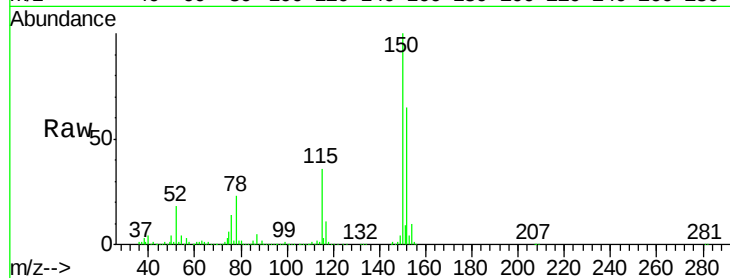
Tot Ion:152 Resp: 974399

Ion Ratio Lower Upper

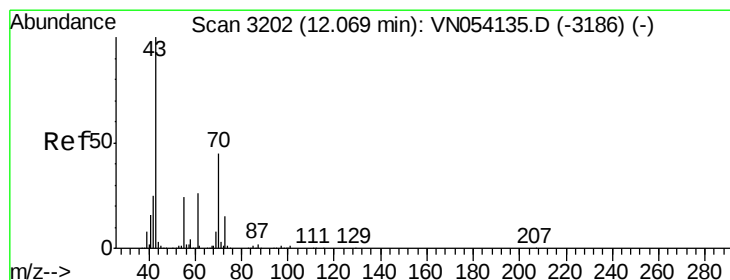
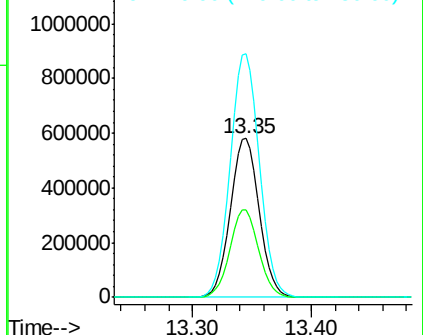
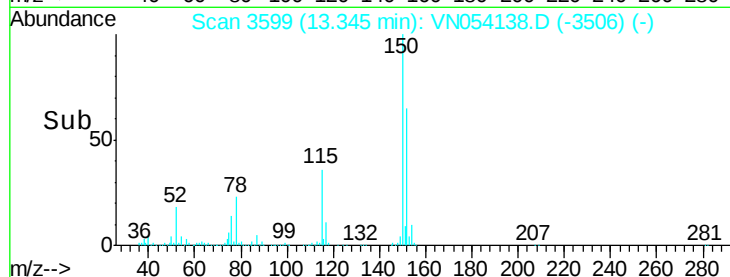
152 100

115 54.6 28.5 85.6

150 155.2 0.0 343.2



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



#74

N-ethyl acetate

Concen: 1.978 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Tgt Ion: 43 Resp: 34920

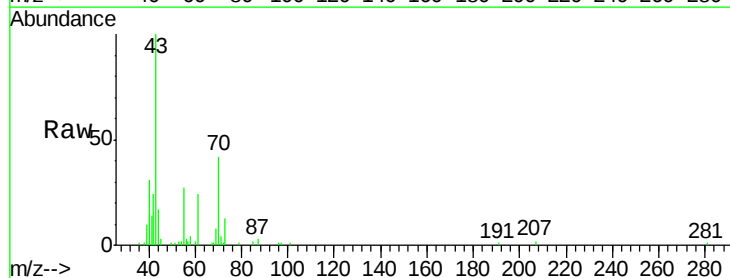
Ion Ratio Lower Upper

43 100

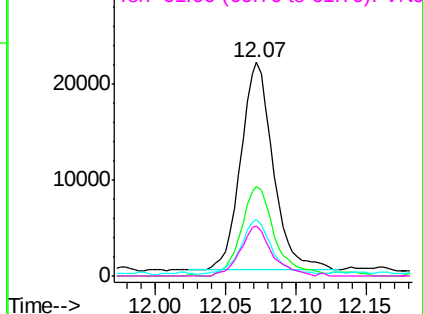
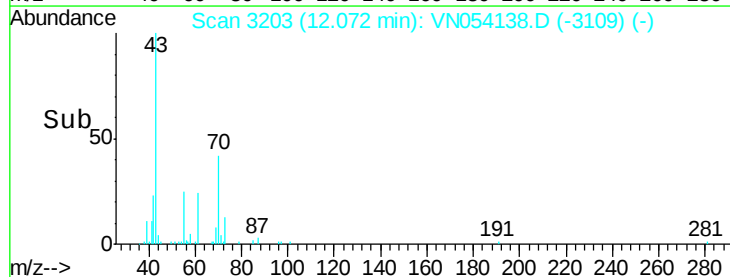
70 44.6 33.6 50.4

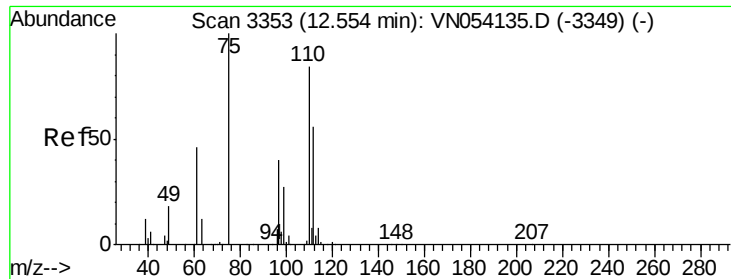
55 24.8 20.6 31.0

61 23.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 37.846 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

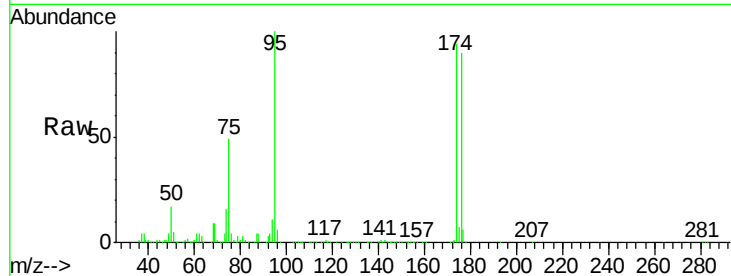
I.BLK

Tot Ion: 75 Resp: 520768

Ion Ratio Lower Upper

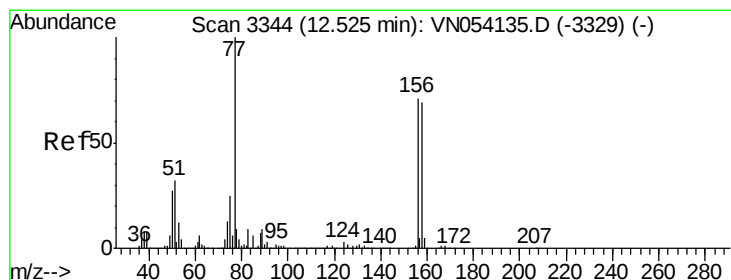
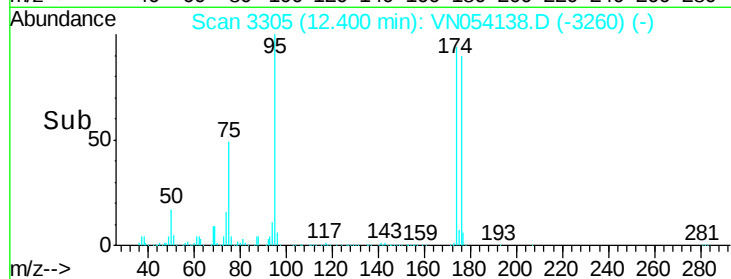
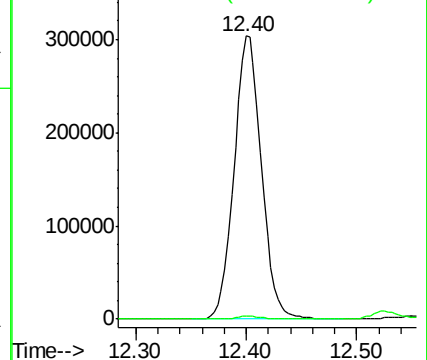
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 0.507 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

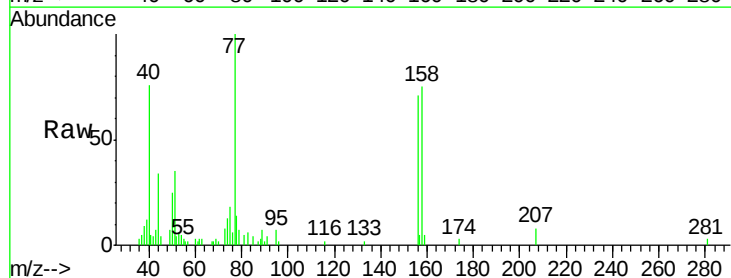
Tgt Ion: 156 Resp: 10221

Ion Ratio Lower Upper

156 100

77 164.1 93.6 280.8

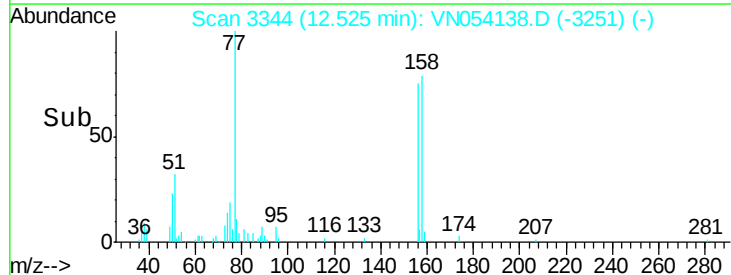
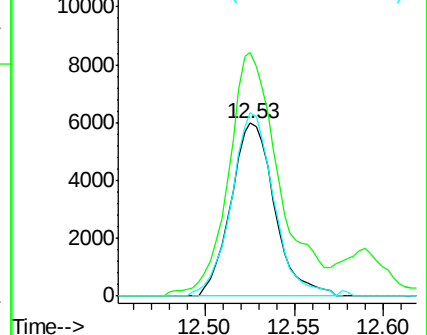
158 103.2 48.4 145.0

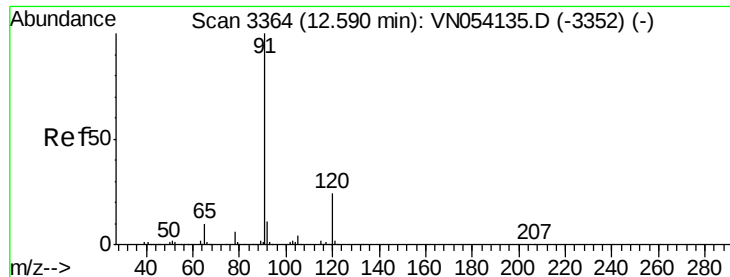


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.700 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

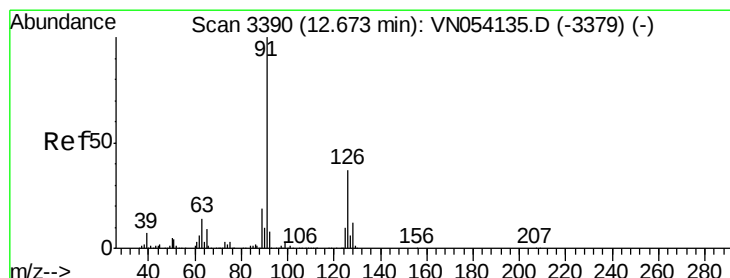
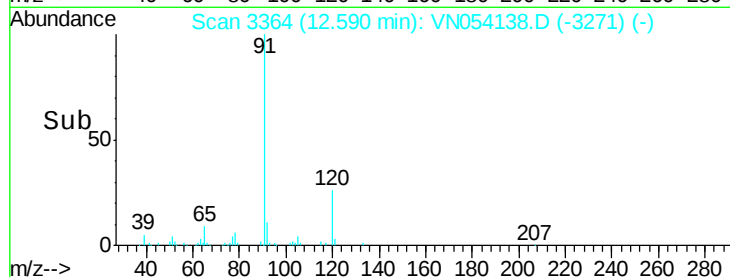
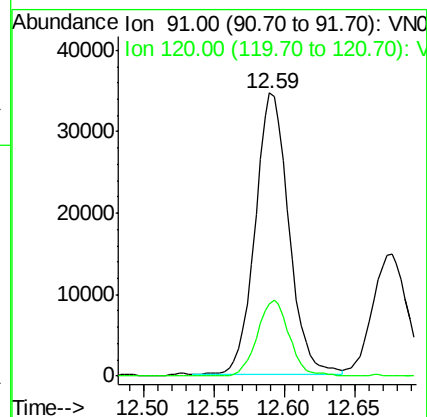
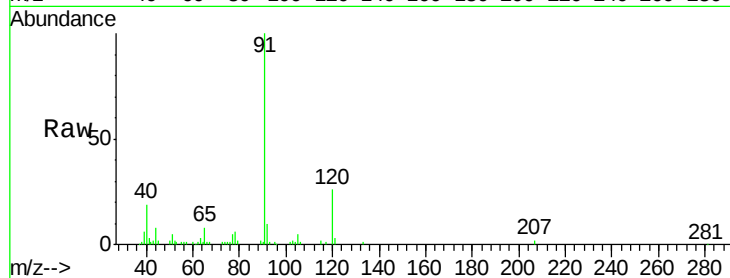
I.BLK

Tot Ion: 91 Resp: 58019

Ion Ratio Lower Upper

91 100

120 25.5 11.3 33.9



#79

2-Chlorotoluene

Concen: 0.506 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054138.D

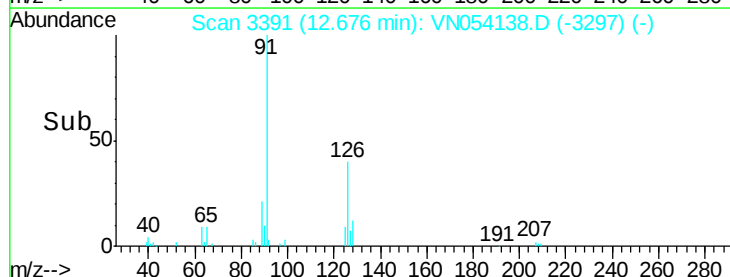
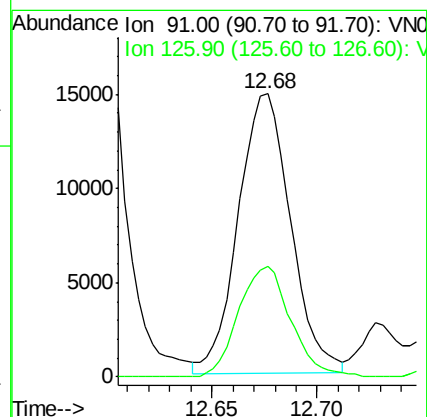
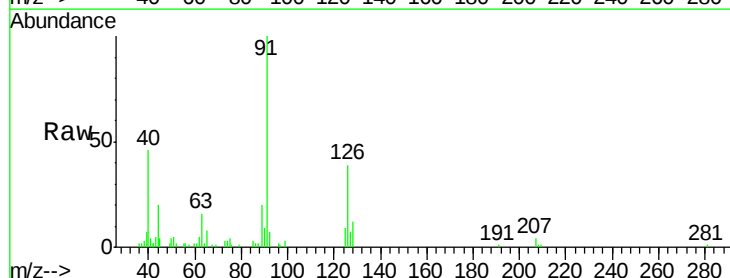
Acq: 11 Mar 2019 12:48

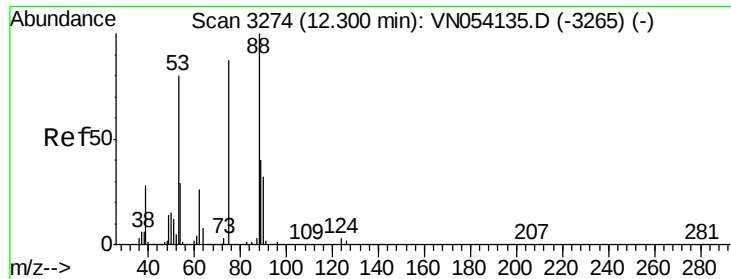
Tgt Ion: 91 Resp: 25712

Ion Ratio Lower Upper

91 100

126 39.4 17.4 52.2

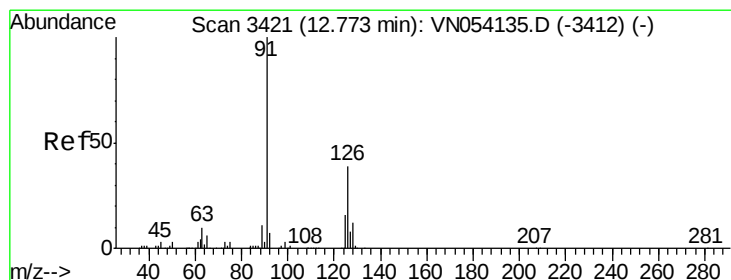
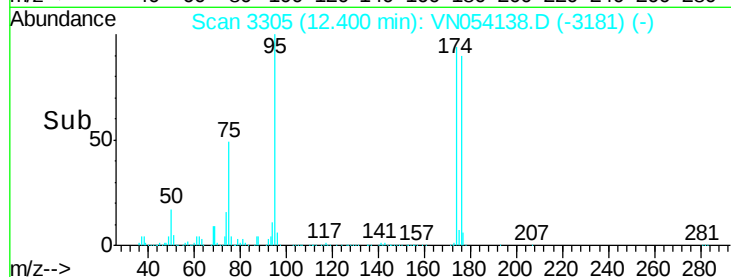
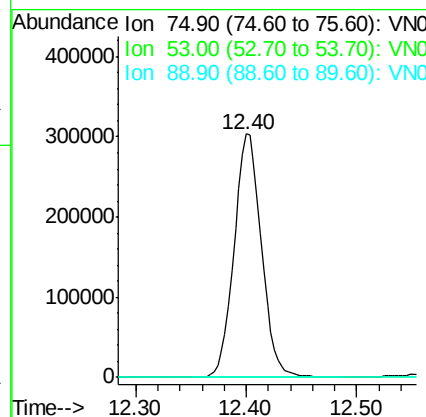
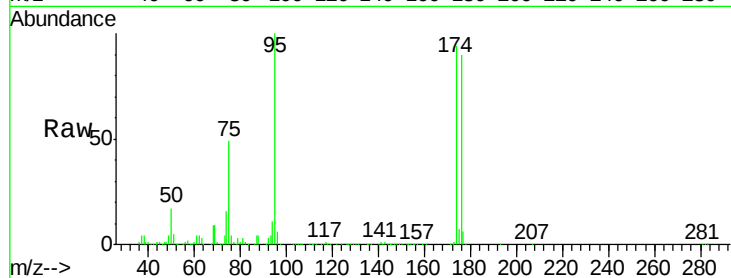




#81
trans-1,4-Dichloro-2-butene
Concen: 112.657 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054138.D
Acq: 11 Mar 2019 12:48

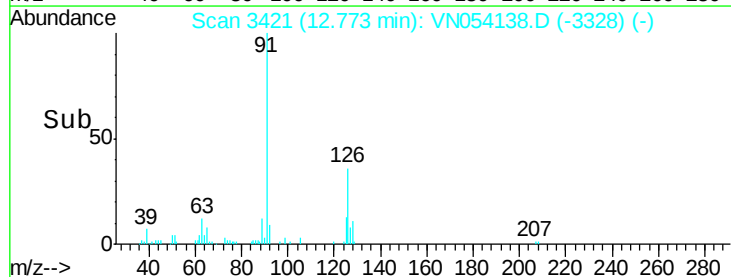
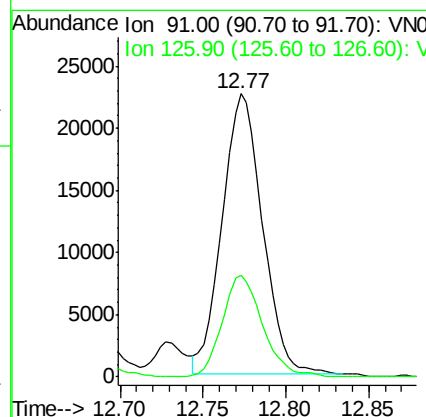
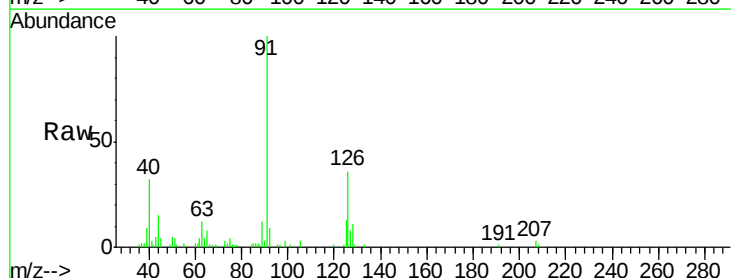
Instrument :
MSVOA_N
ClientSampled :
I.BLK

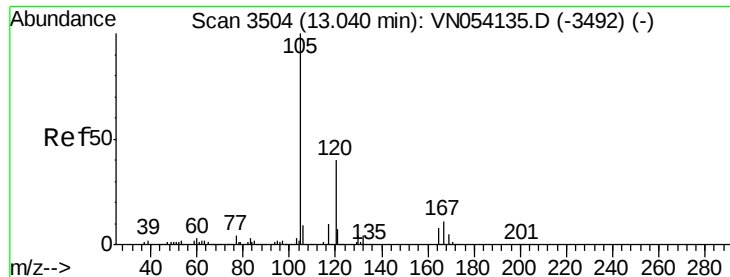
Tot Ion: 75 Resp: 520768
Ion Ratio Lower Upper
75 100
53 0.0 76.4 114.6#
89 0.0 35.3 52.9#



#82
4-Chlorotoluene
Concen: 0.773 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054138.D
Acq: 11 Mar 2019 12:48

Tgt Ion: 91 Resp: 38241
Ion Ratio Lower Upper
91 100
126 36.0 17.1 51.3





#84

1,2,4-Trimethylbenzene

Concen: 0.585 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

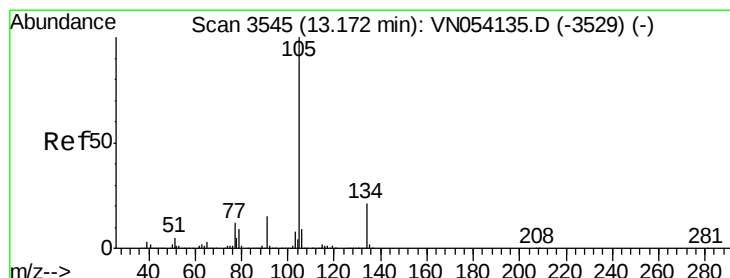
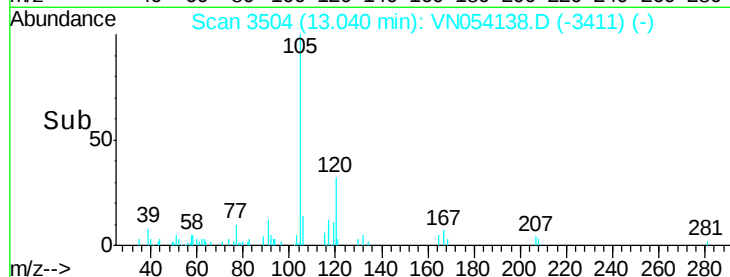
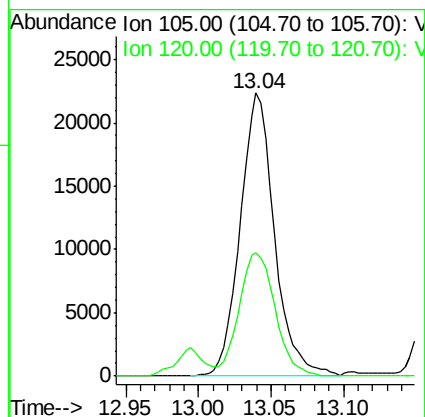
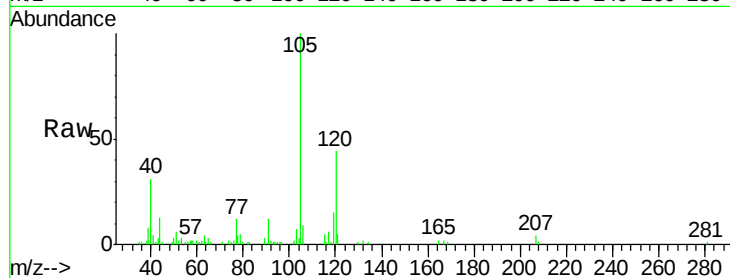
I.BLK

Tot Ion:105 Resp: 36778

Ion Ratio Lower Upper

105 100

120 45.7 22.6 67.7



#85

sec-Butylbenzene

Concen: 0.685 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054138.D

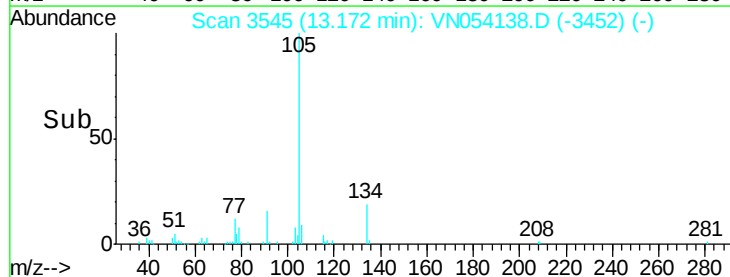
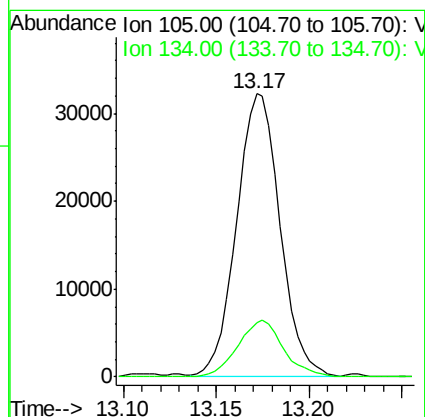
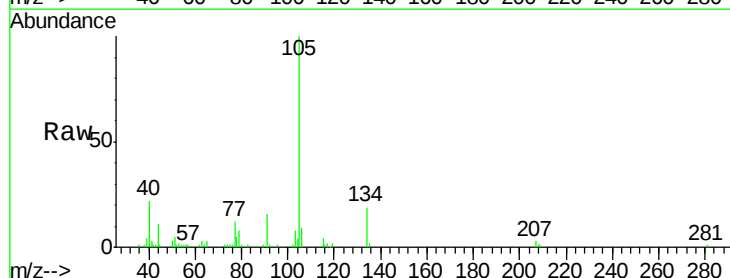
Acq: 11 Mar 2019 12:48

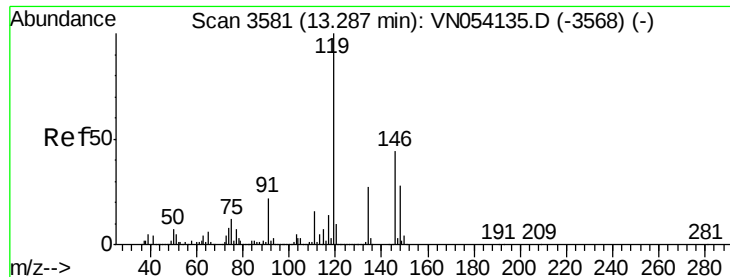
Tgt Ion:105 Resp: 52636

Ion Ratio Lower Upper

105 100

134 21.1 9.8 29.5

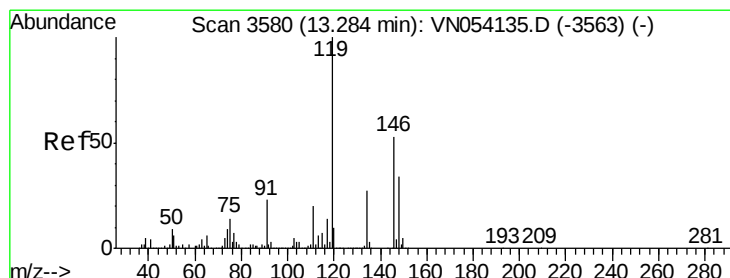
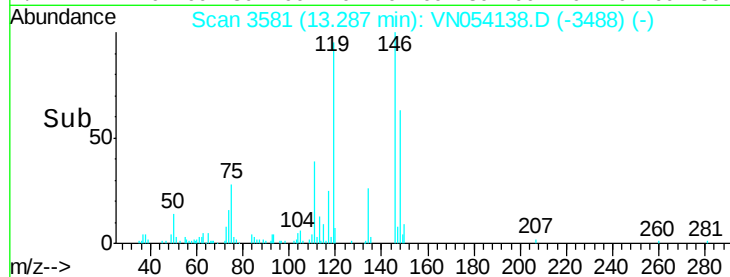
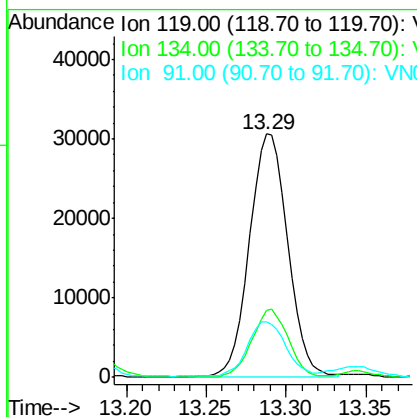
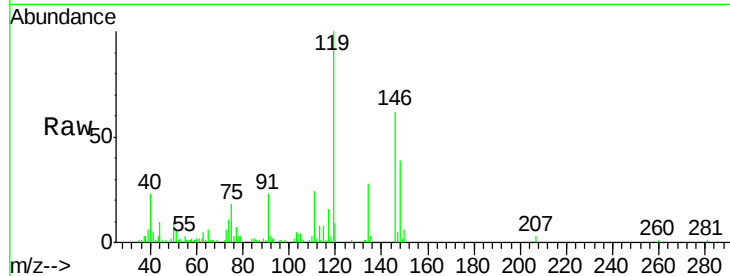




#86
 p-Isopropyltoluene
 Concen: 0.752 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

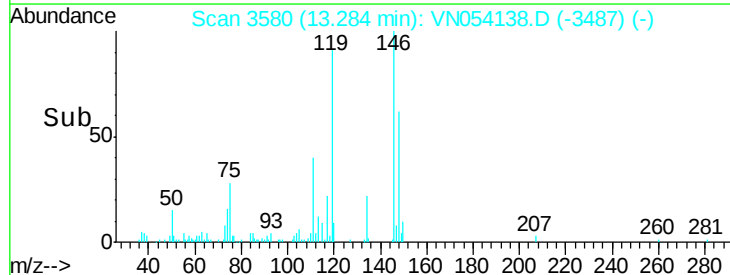
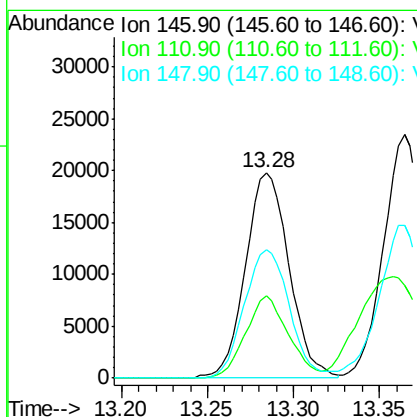
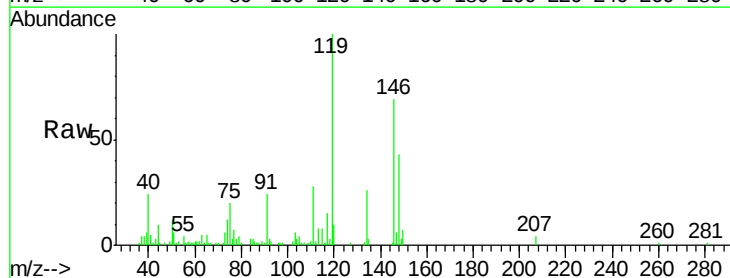
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

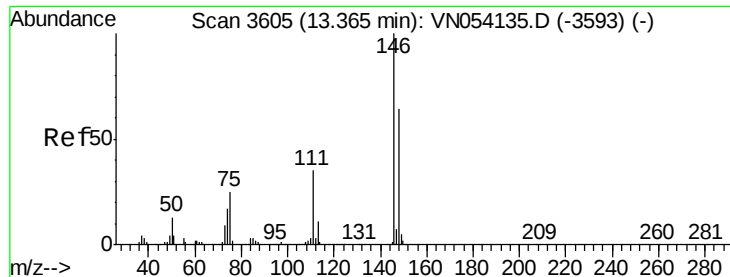
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.5
91	22.3	11.4	34.2



#87
 1,3-Dichlorobenzene
 Concen: 1.037 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	64.7	32.4	97.0

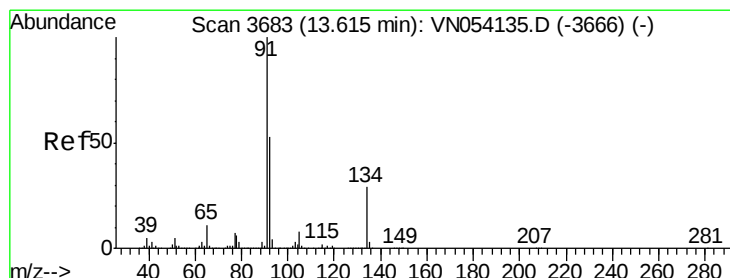
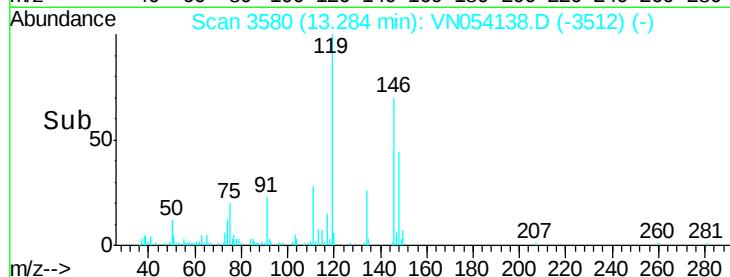
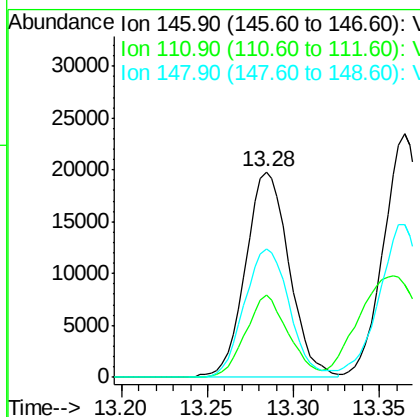
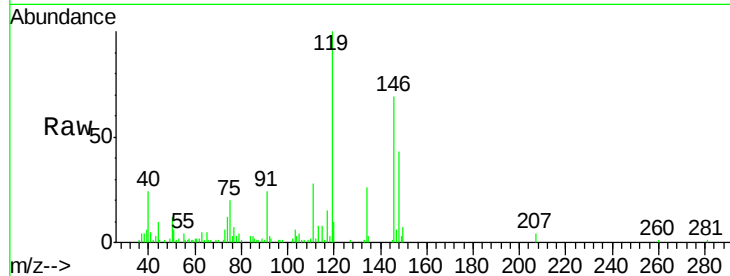




#88
 1,4-Dichlorobenzene
 Concen: 1.050 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

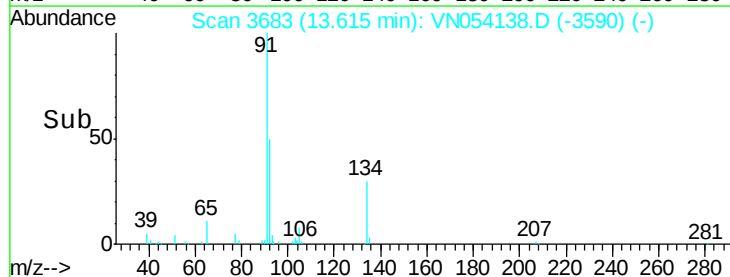
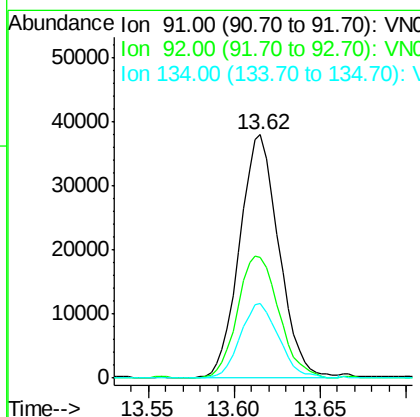
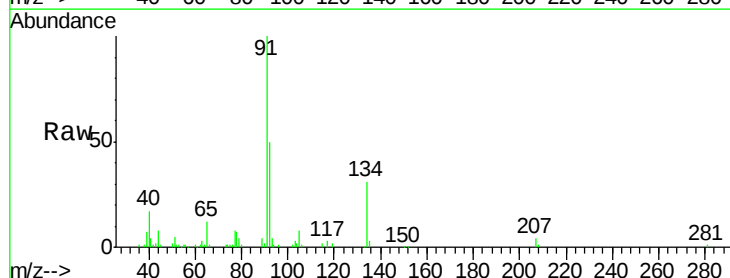
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

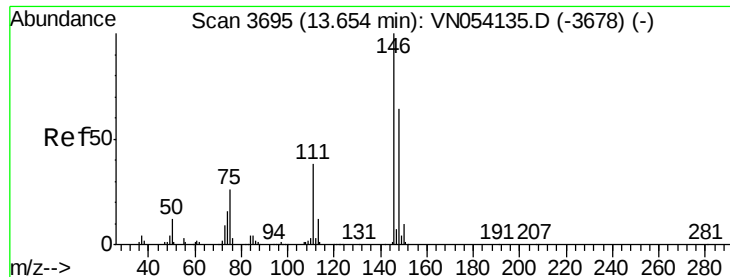
Tot Ion:146 Resp: 34950
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.9 56.5
 148 64.7 32.1 96.5



#89
 n-Butylbenzene
 Concen: 1.177 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

Tgt Ion: 91 Resp: 60580
 Ion Ratio Lower Upper
 91 100
 92 52.6 26.0 78.0
 134 29.9 13.1 39.1

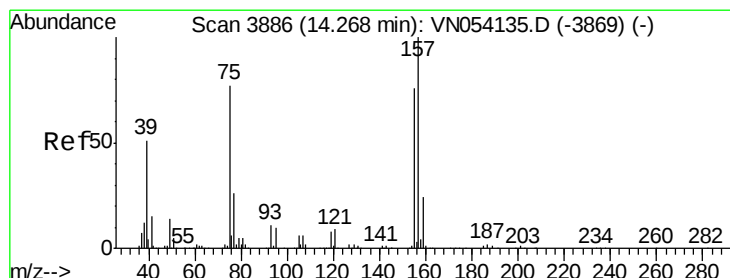
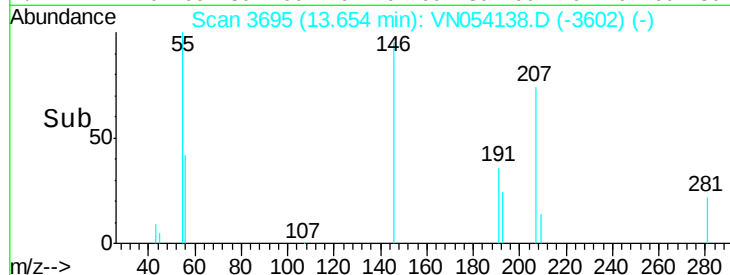
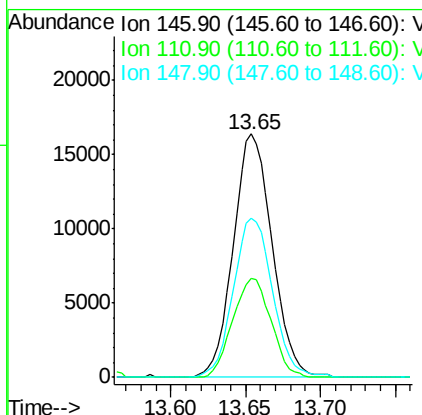
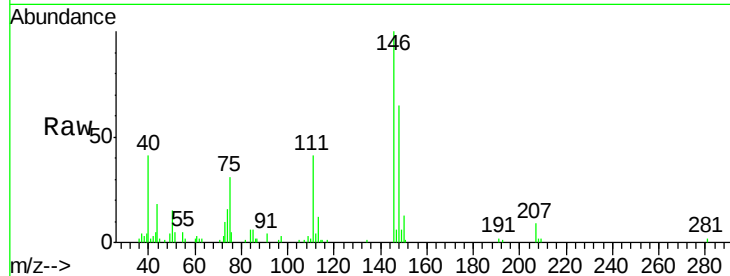




#91
 1,2-Dichlorobenzene
 Concen: 0.898 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

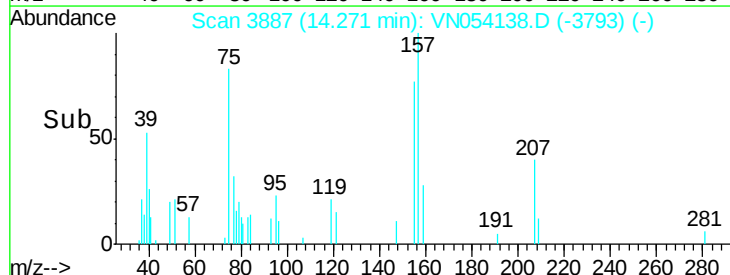
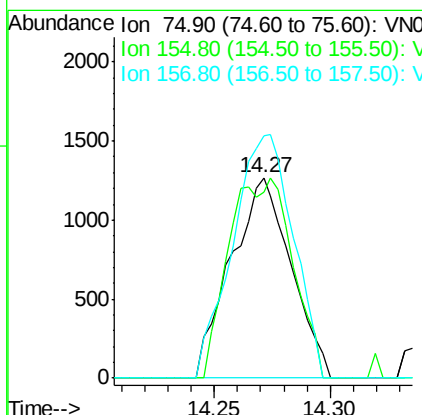
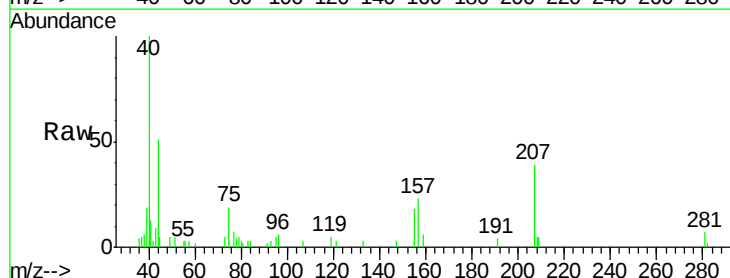
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

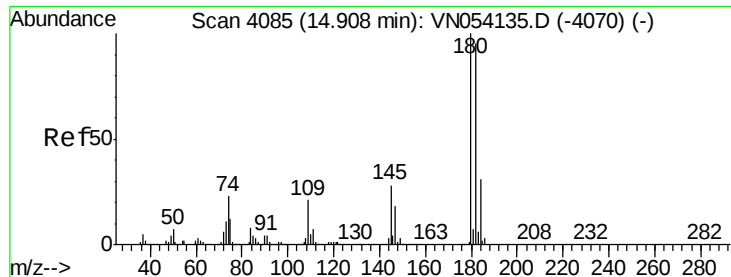
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	66.1	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.791 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.4	44.5	133.5
157	122.4	57.2	171.6

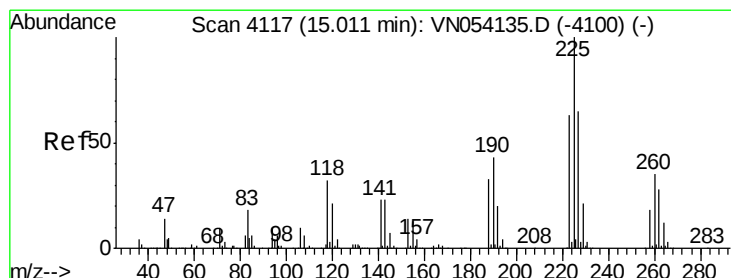
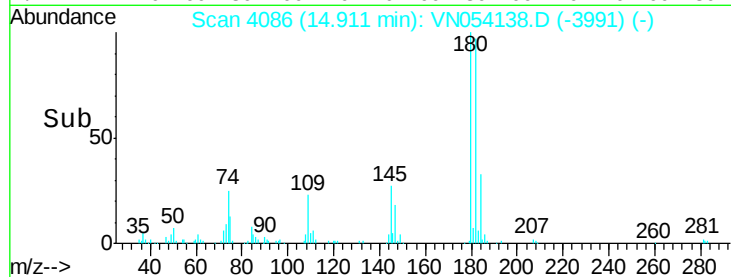
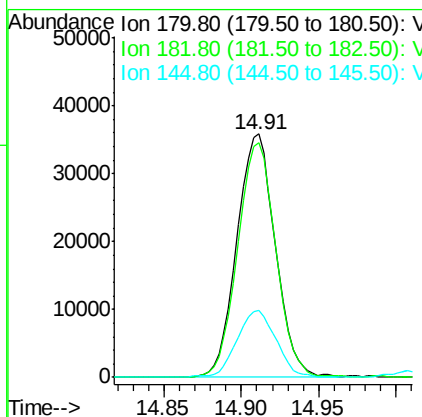
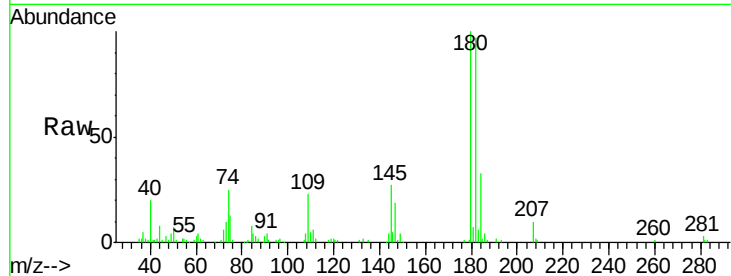




#93
 1,2,4-Trichlorobenzene
 Concen: 3.613 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

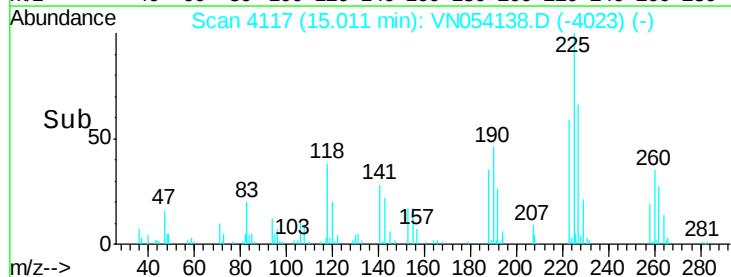
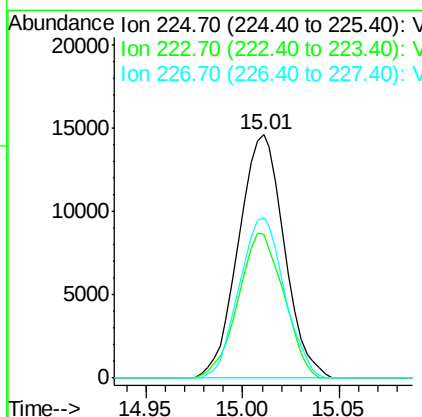
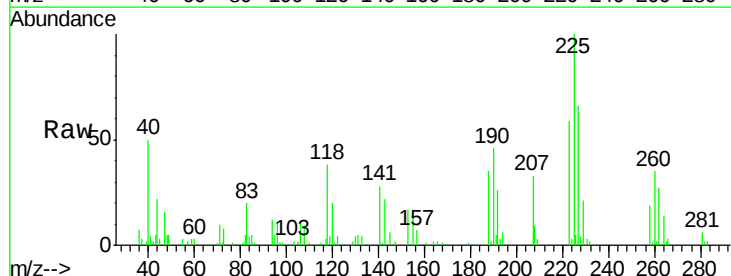
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

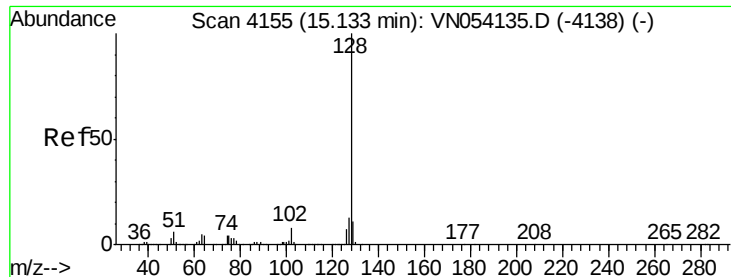
Tot Ion:180 Resp: 62035
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.1 144.3
 145 27.9 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 1.830 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054138.D
 Acq: 11 Mar 2019 12:48

Tgt Ion:225 Resp: 23953
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.2 93.6
 227 65.1 31.9 95.7





#95

Naphthalene

Concen: 5.541 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

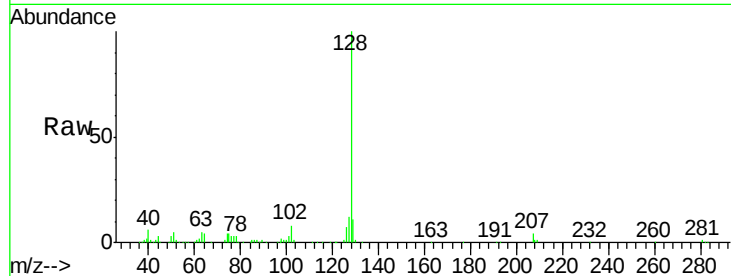
Tot Ion:128 Resp: 201827

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

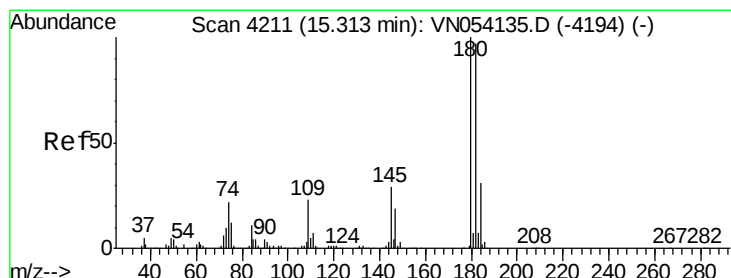
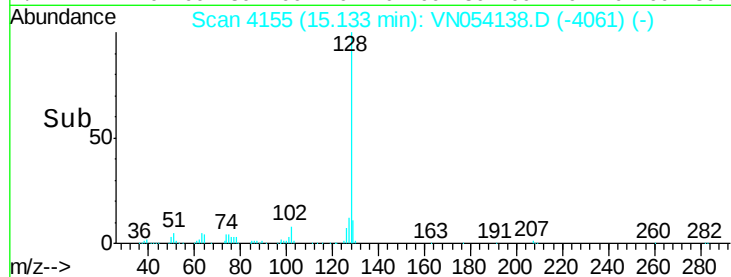
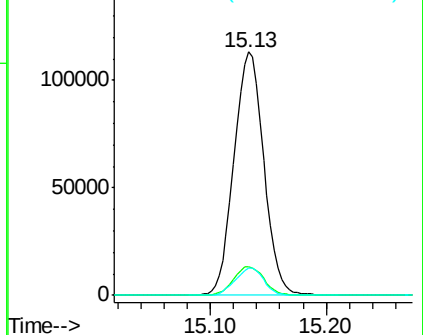
129 10.9 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 4.551 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054138.D

Acq: 11 Mar 2019 12:48

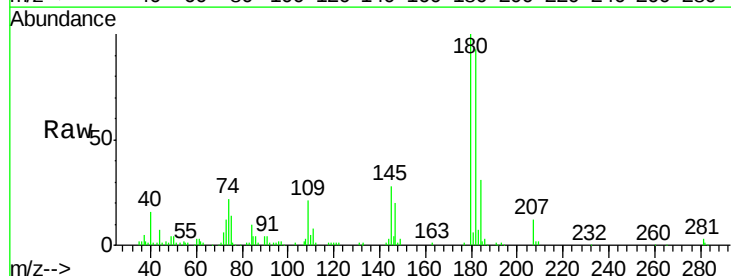
Tgt Ion:180 Resp: 79175

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.7

145 28.5 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

