

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056045.D
 Acq On : 6 Jun 2019 14:55
 Operator : JC/SP
 Sample : K3195-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014RW041-190603

Quant Time: Jun 06 17:54:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

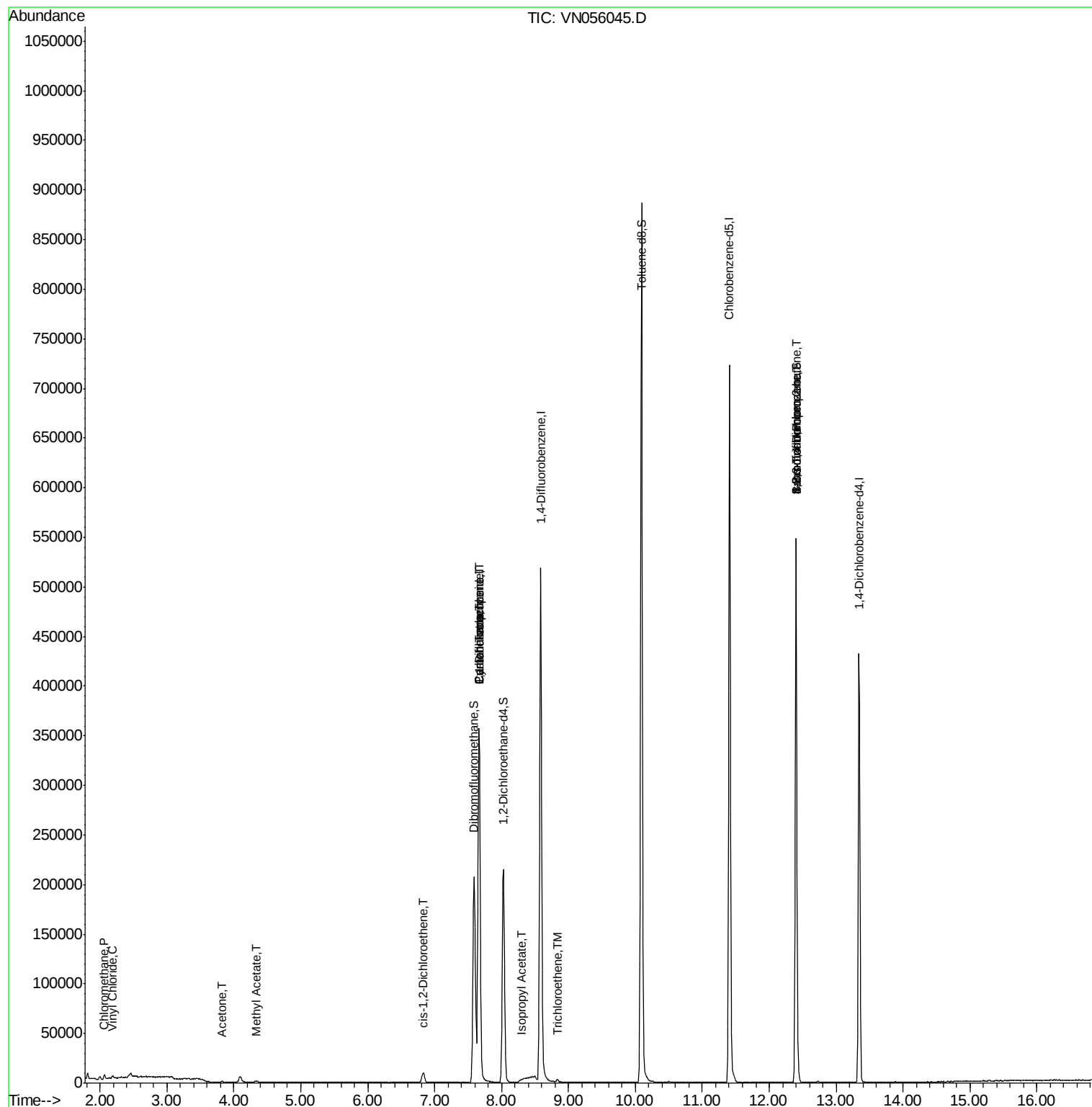
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	338738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	468448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	182823	54.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.72%	
35) Dibromofluoromethane	7.59	113	160243	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
50) Toluene-d8	10.09	98	661545	54.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.40	95	193805	46.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.66%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	4670	1.272	ug/l	96
4) Vinyl Chloride	2.19	62	1996	0.542	ug/l	97
16) Acetone	3.83	43	1804	1.121	ug/l	99
18) Methyl Acetate	4.34	43	3117	0.413	ug/l #	85
27) cis-1,2-Dichloroethene	6.83	96	7749	2.164	ug/l	90
31) Cyclohexane	7.66	56	4757	0.891	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19608	4.424	ug/l #	48
38) Carbon Tetrachloride	7.67	117	27524	6.736	ug/l #	14
43) Isopropyl Acetate	8.28	43	1949	0.305	ug/l #	53
44) Trichloroethene	8.83	130	932	0.241	ug/l	81
71) Bromoform	12.40	173	1181	3.155	ug/l #	1
73) Isopropylbenzene	12.40	105	29	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	88726	36.185	ug/l #	100
79) 2-Chlorotoluene	12.40	91	446	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	88726	120.504	ug/l #	15

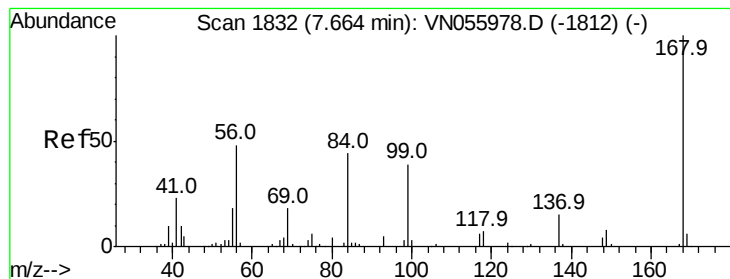
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 04 11:02:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

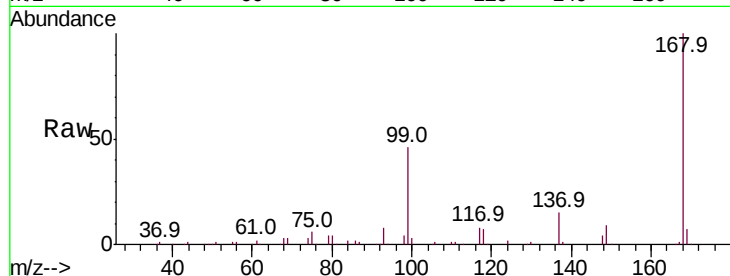
LF014RW041-190603

Tot Ion:168 Resp: 338738

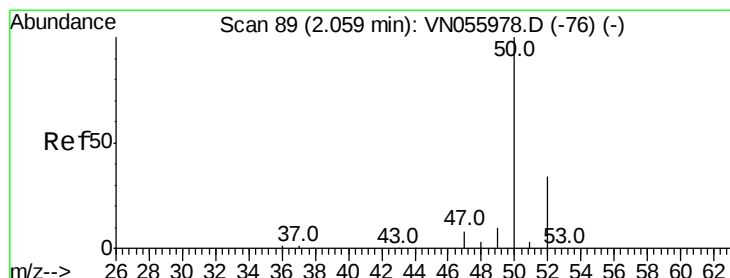
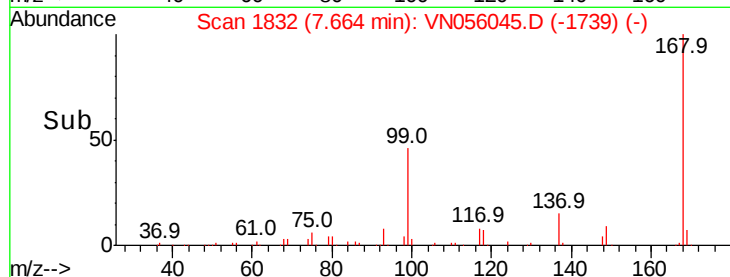
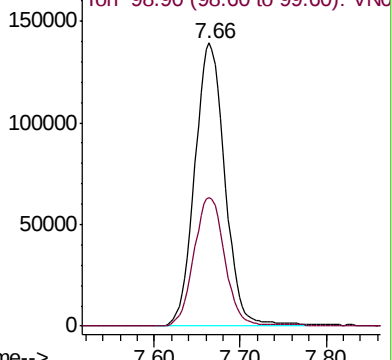
Ion Ratio Lower Upper

168 100

99 45.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)



#3

Chloromethane

Concen: 1.272 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056045.D

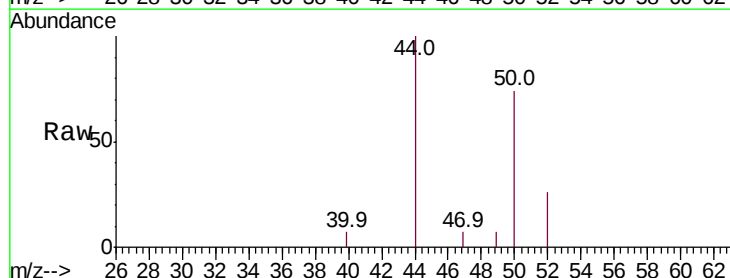
Acq: 6 Jun 2019 14:55

Tgt Ion: 50 Resp: 4670

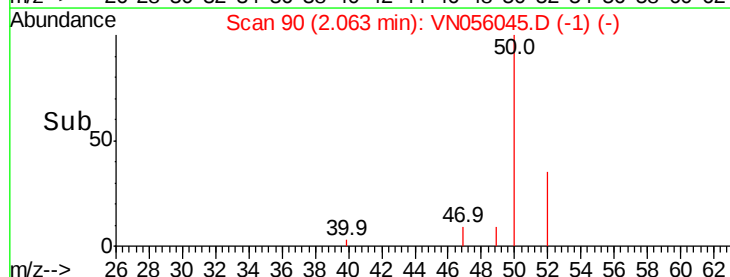
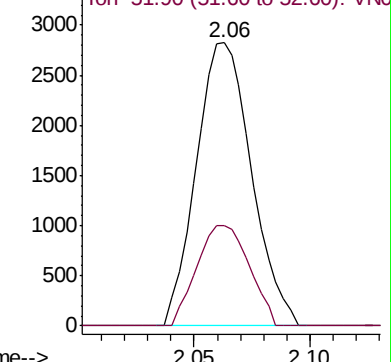
Ion Ratio Lower Upper

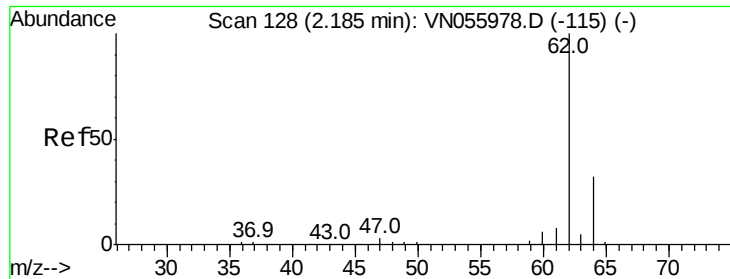
50 100

52 35.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN055978.D (-76) (-)





#4

Vinyl Chloride

Concen: 0.542 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

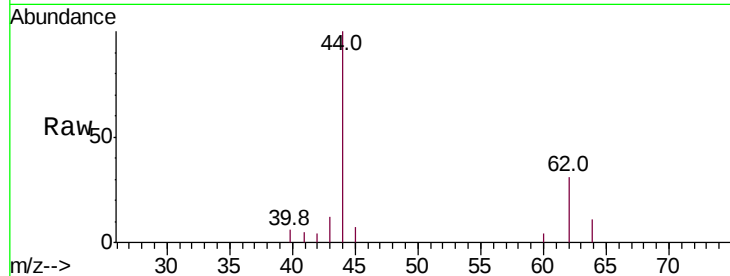
LF014RW041-190603

Tot Ion: 62 Resp: 1996

Ion Ratio Lower Upper

62 100

64 33.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

1500

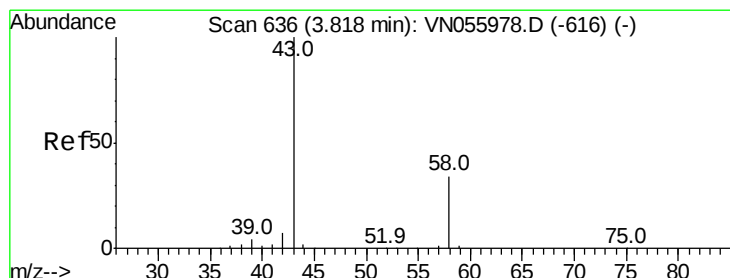
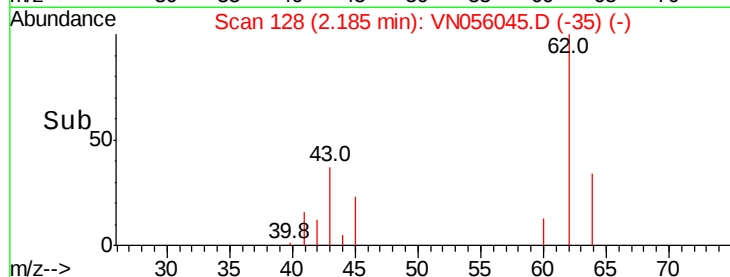
1000

500

0

Time-->

2.15 2.20



#16

Acetone

Concen: 1.121 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056045.D

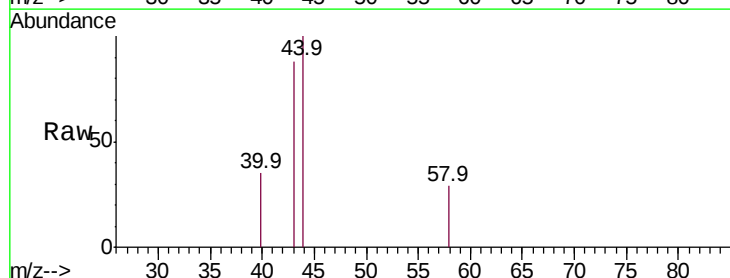
Acq: 6 Jun 2019 14:55

Tgt Ion: 43 Resp: 1804

Ion Ratio Lower Upper

43 100

58 32.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

600

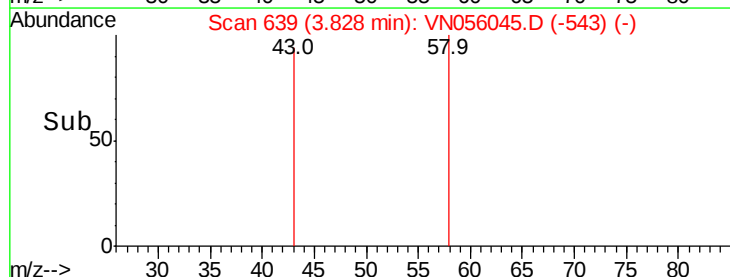
400

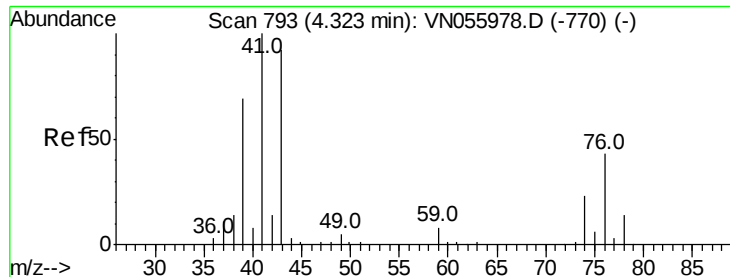
200

0

Time-->

3.75 3.80 3.85 3.90

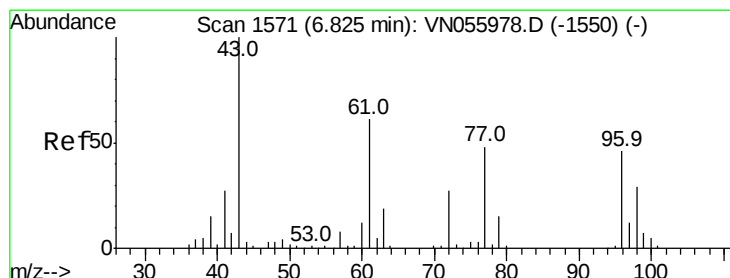
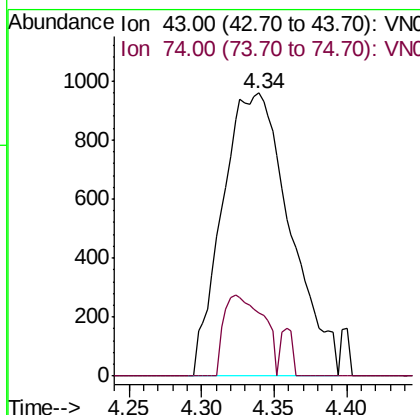
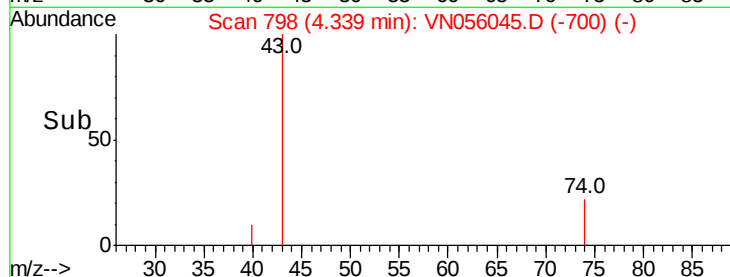
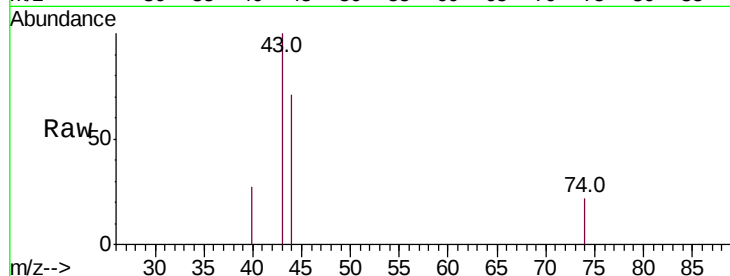




#18
Methyl Acetate
Concen: 0.413 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN056045.D
Acq: 6 Jun 2019 14:55

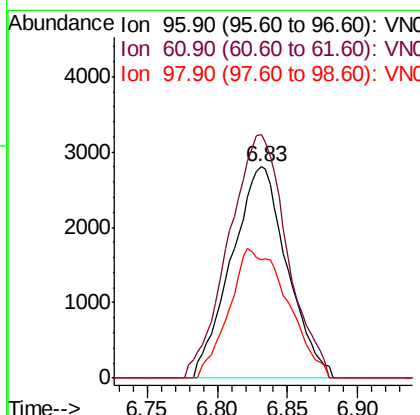
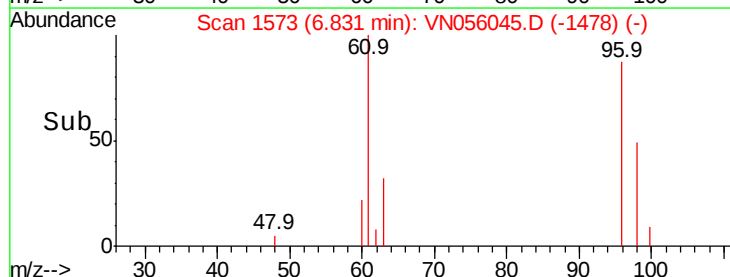
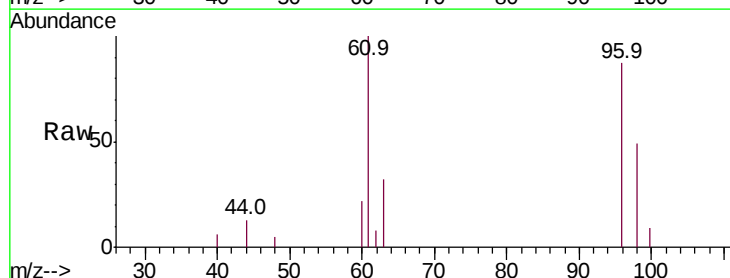
Instrument :
MSVOA_N
ClientSampleId :
LF014RW041-190603

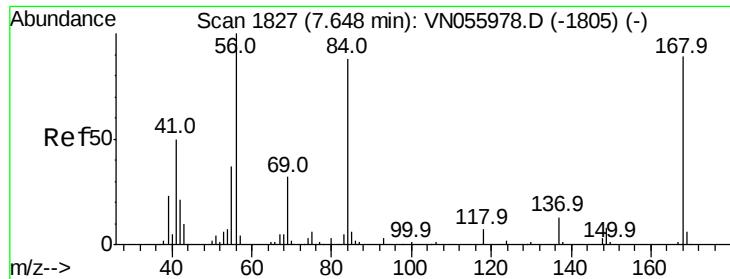
Tot Ion: 43 Resp: 3117
Ion Ratio Lower Upper
43 100
74 16.6 19.3 28.9#



#27
cis-1,2-Dichloroethene
Concen: 2.164 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN056045.D
Acq: 6 Jun 2019 14:55

Tgt Ion: 96 Resp: 7749
Ion Ratio Lower Upper
96 100
61 120.5 0.0 275.8
98 64.0 0.0 128.4

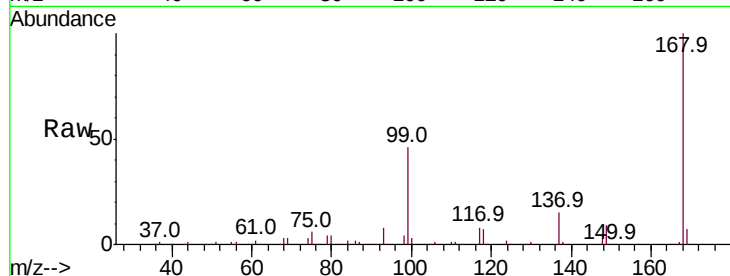




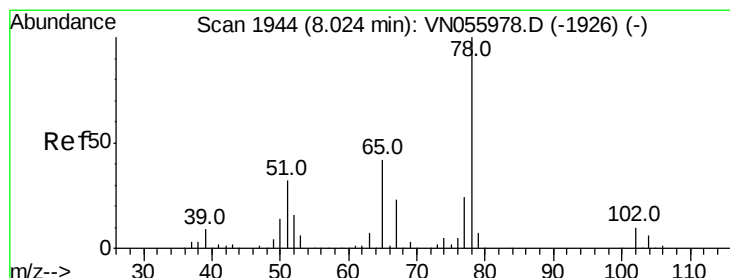
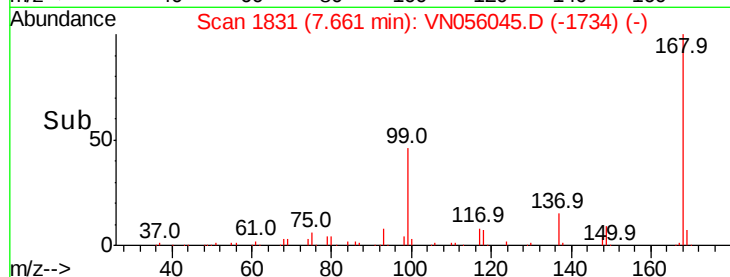
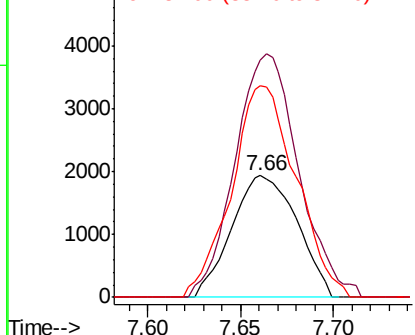
#31
Cyclohexane
Concen: 0.891 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056045.D
Acq: 6 Jun 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
LF014RW041-190603

Tot Ion: 56 Resp: 4757
Ion Ratio Lower Upper
56 100
69 195.4 25.6 38.4#
84 165.9 67.4 101.0#

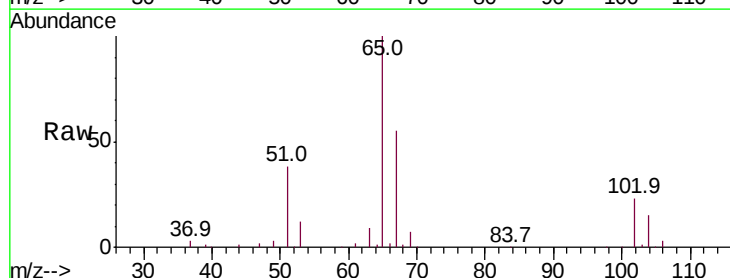


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

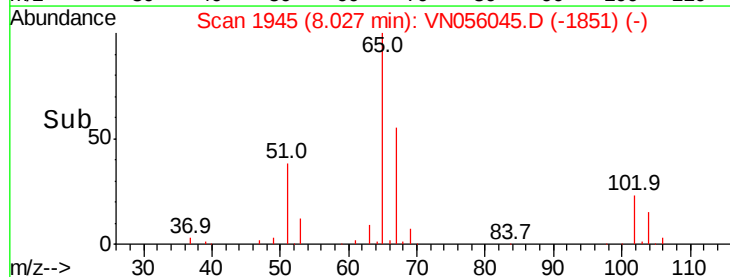
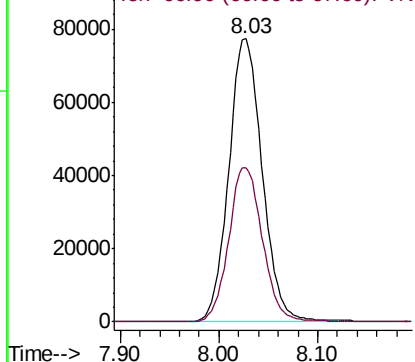


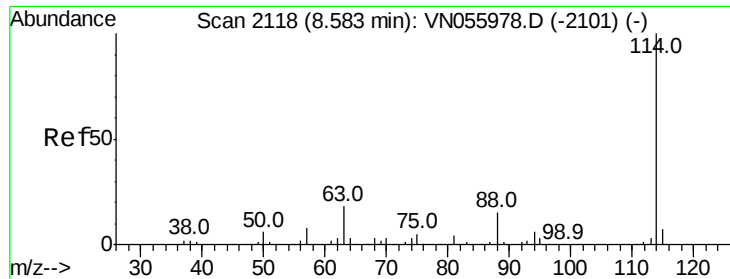
#33
1,2-Dichloroethane-d4
Concen: 54.357 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056045.D
Acq: 6 Jun 2019 14:55

Tgt Ion: 65 Resp: 182823
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

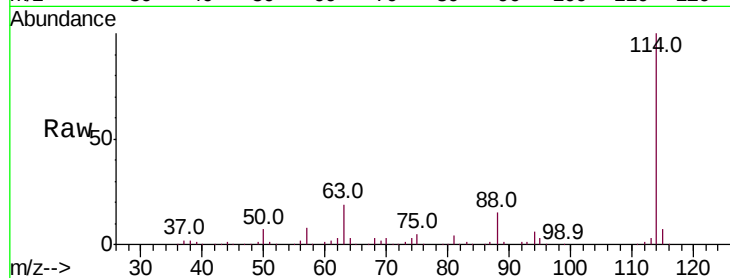




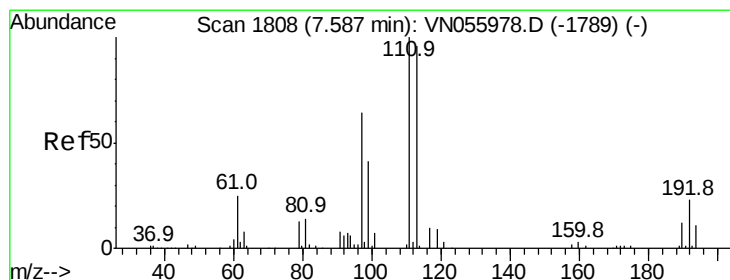
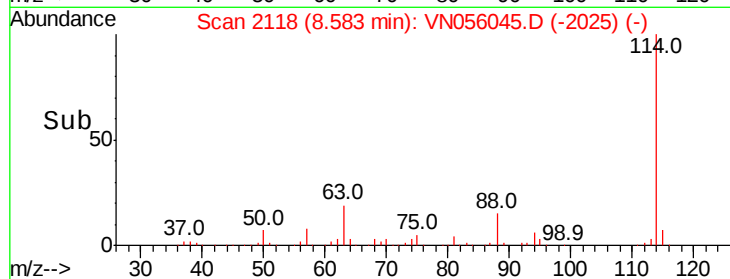
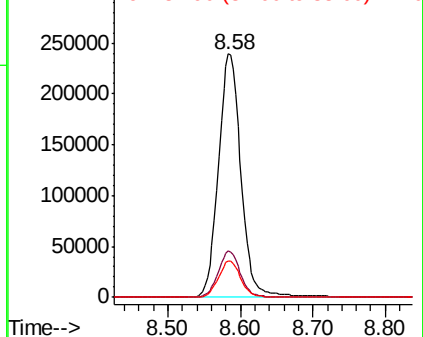
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056045.D
 Acq: 6 Jun 2019 14:55

Instrument :
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Tot Ion:114 Resp: 515465
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.1 0.0 31.0

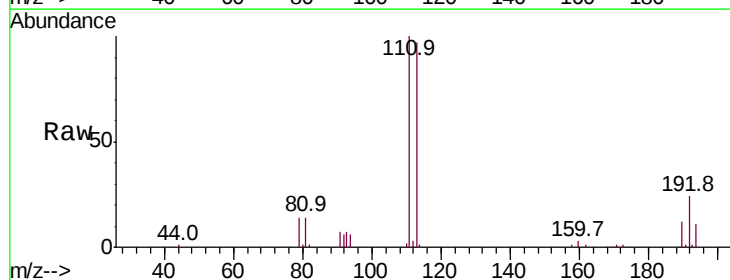


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

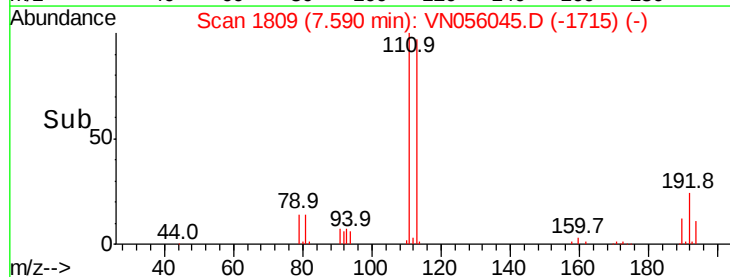
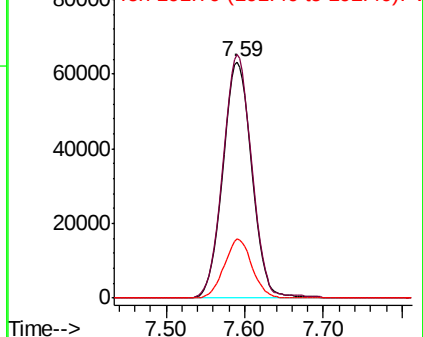


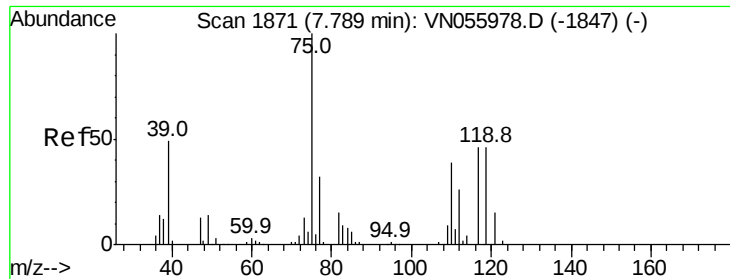
#35
 Dibromofluoromethane
 Concen: 50.669 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056045.D
 Acq: 6 Jun 2019 14:55

Tgt Ion:113 Resp: 160243
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.9 122.9
 192 24.0 19.5 29.3



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





#36

1,1-Dichloropropene

Concen: 4.424 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

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ClientSampleId :

LF014RW041-190603

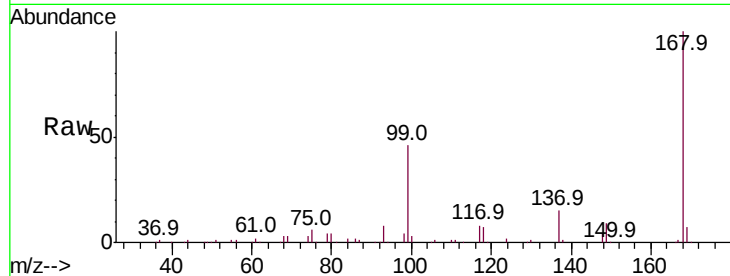
Tot Ion: 75 Resp: 19608

Ion Ratio Lower Upper

75 100

110 8.7 19.0 57.0#

77 0.0 25.1 37.7#



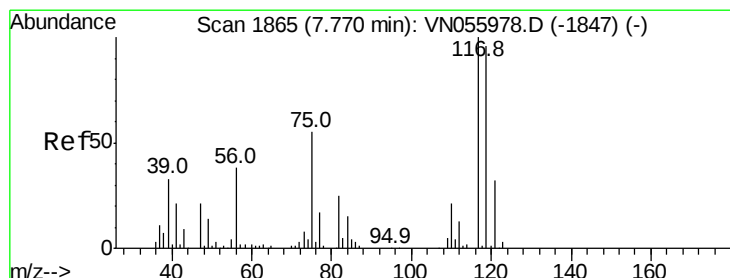
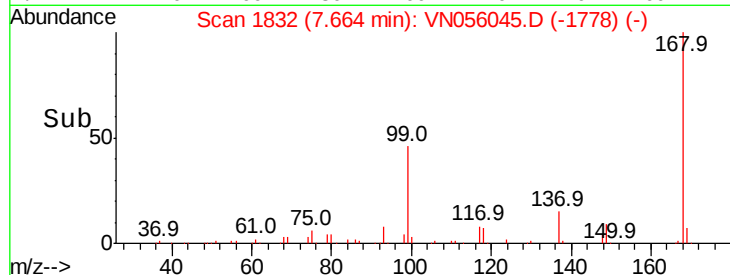
Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN055978.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN055978.D (-1847) (-)

7.66

Time-->



#38

Carbon Tetrachloride

Concen: 6.736 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

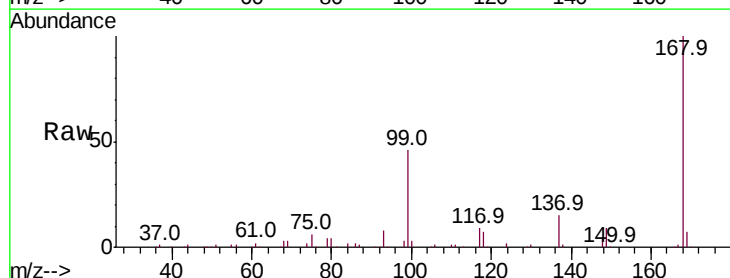
Tgt Ion: 117 Resp: 27524

Ion Ratio Lower Upper

117 100

119 4.6 79.0 118.6#

121 0.0 24.7 37.1#



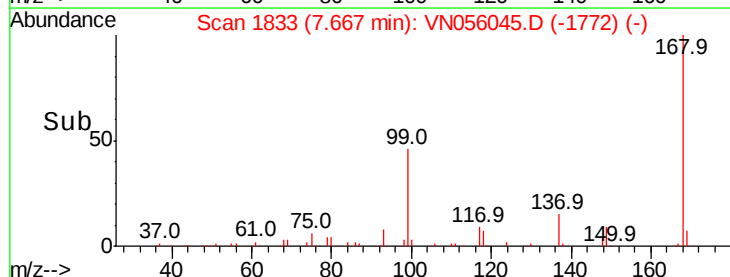
Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

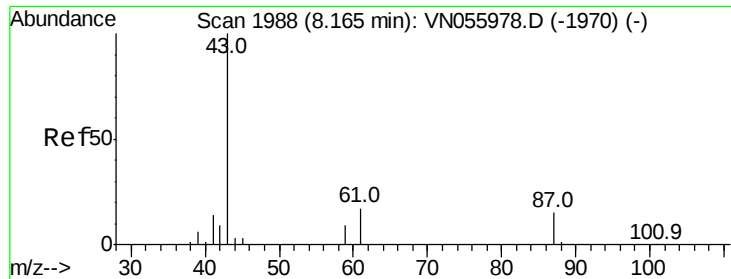
Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)

7.67

Time-->





#43

Isopropyl Acetate

Concen: 0.305 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.12 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

LF014RW041-190603

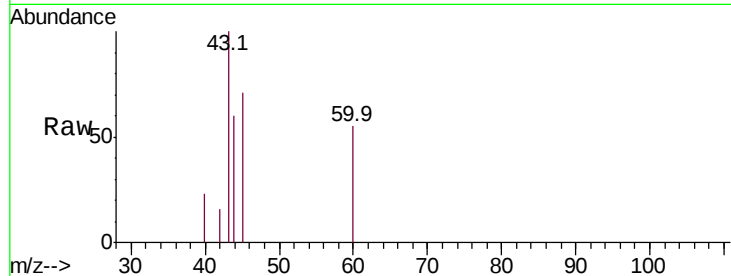
Tot Ion: 43 Resp: 1949

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

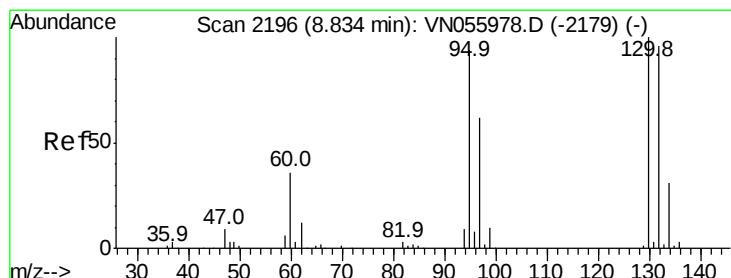
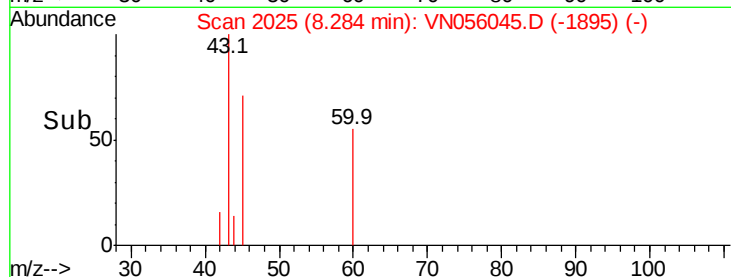
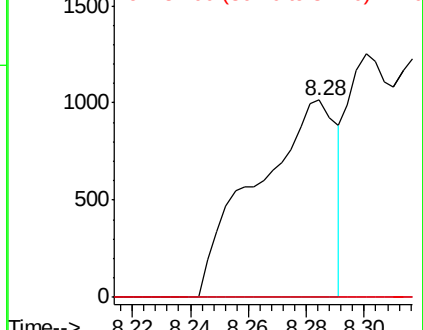
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 0.241 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056045.D

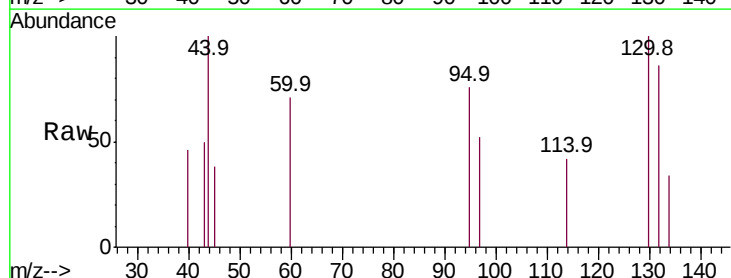
Acq: 6 Jun 2019 14:55

Tgt Ion: 130 Resp: 932

Ion Ratio Lower Upper

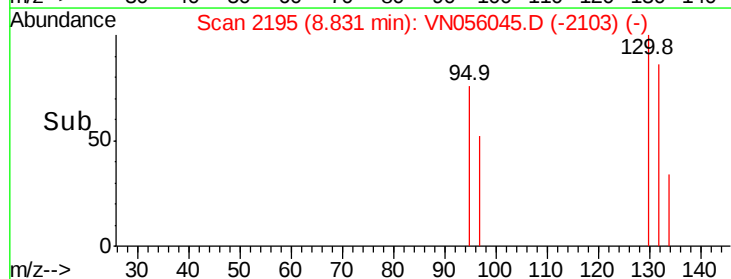
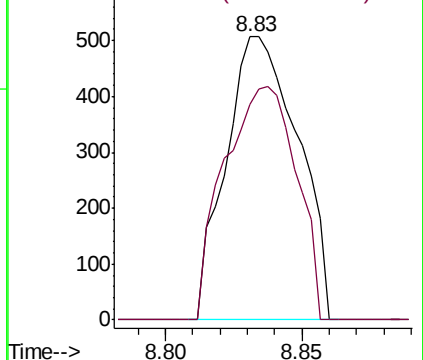
130 100

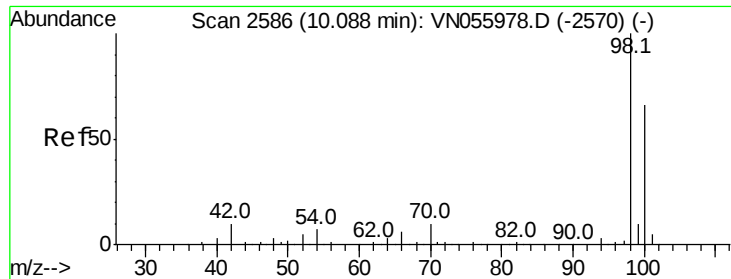
95 75.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 54.361 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

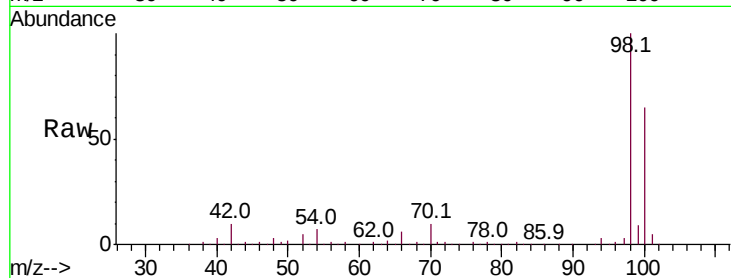
LF014RW041-190603

Tot Ion: 98 Resp: 661545

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

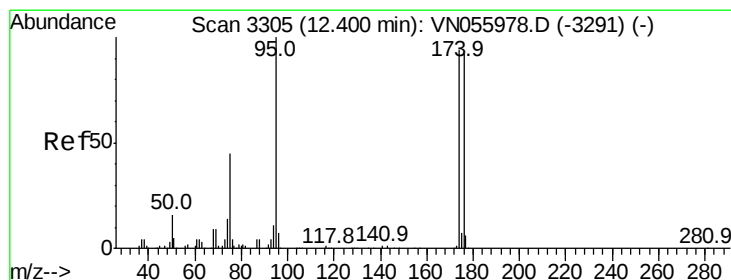
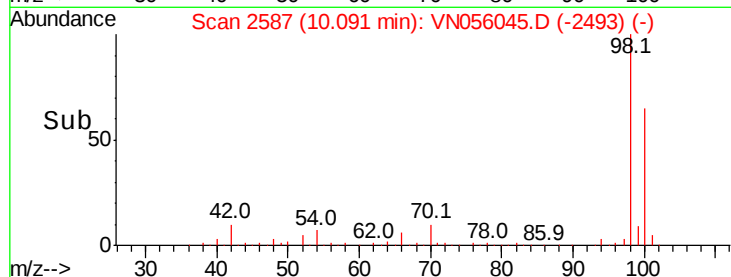
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.829 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

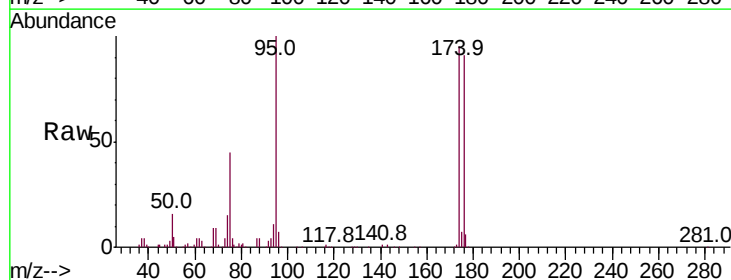
Tgt Ion: 95 Resp: 193805

Ion Ratio Lower Upper

95 100

174 95.6 0.0 191.0

176 91.8 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

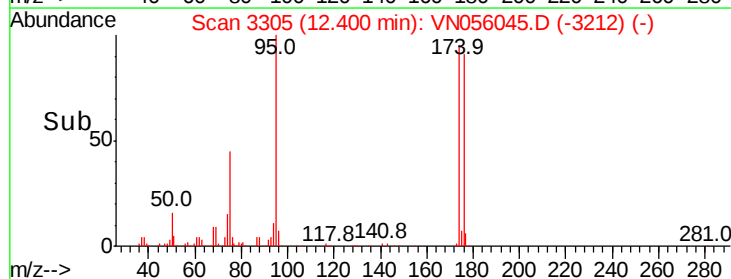
150000

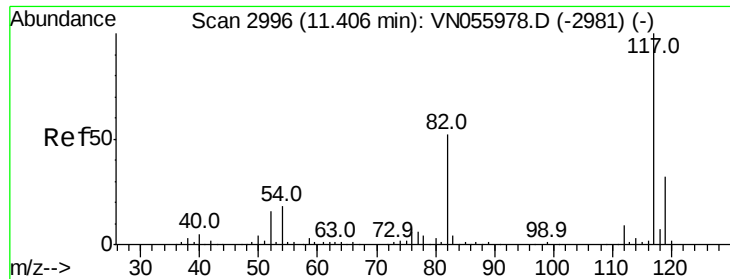
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

LF014RW041-190603

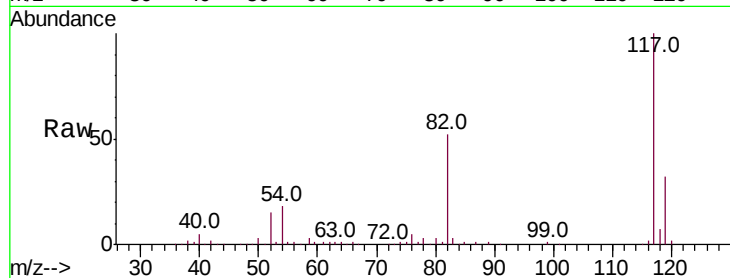
Tot Ion:117 Resp: 468448

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

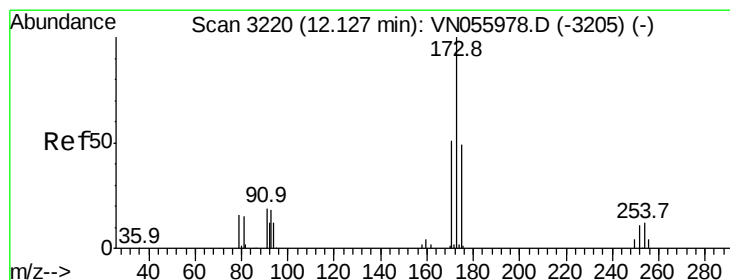
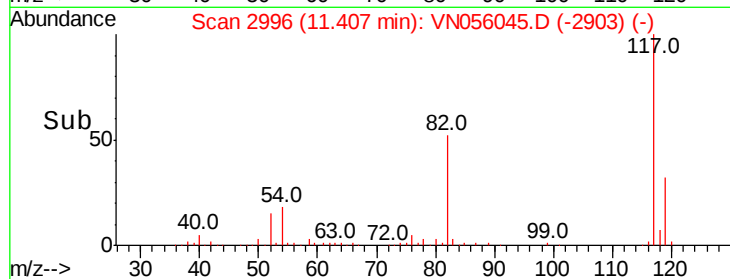
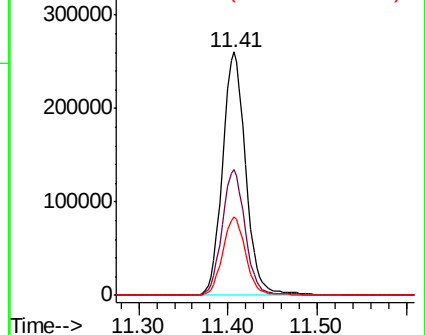
119 32.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 3.155 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

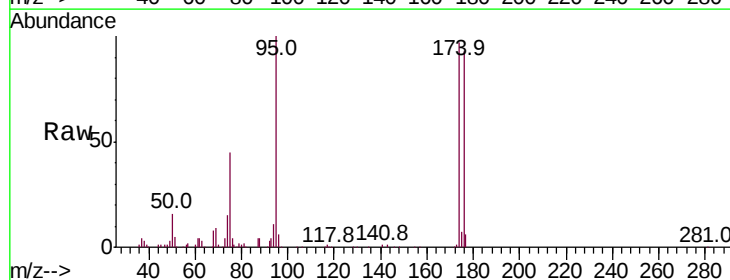
Tgt Ion:173 Resp: 1181

Ion Ratio Lower Upper

173 100

175 969.5 24.3 72.8#

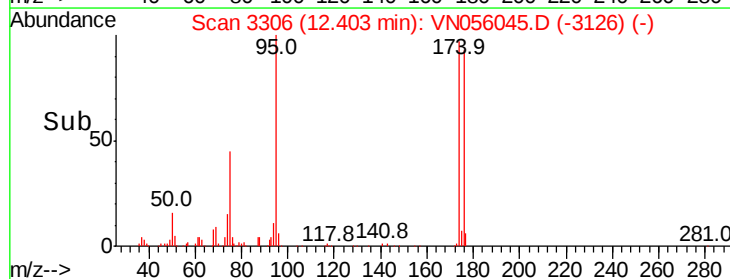
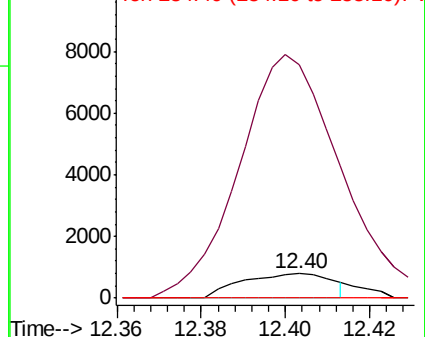
254 0.0 0.0 0.0

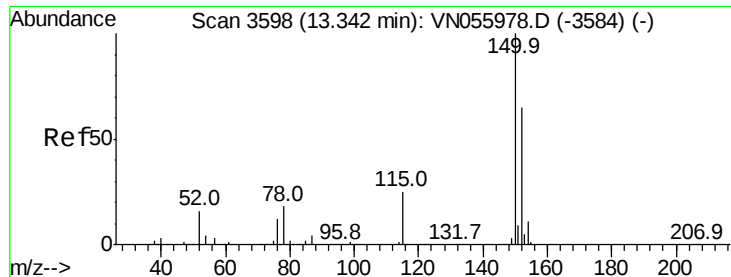


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

LF014RW041-190603

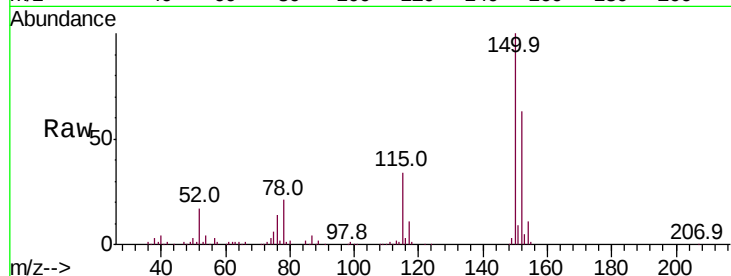
Tot Ion:152 Resp: 133257

Ion Ratio Lower Upper

152 100

115 54.0 27.0 81.0

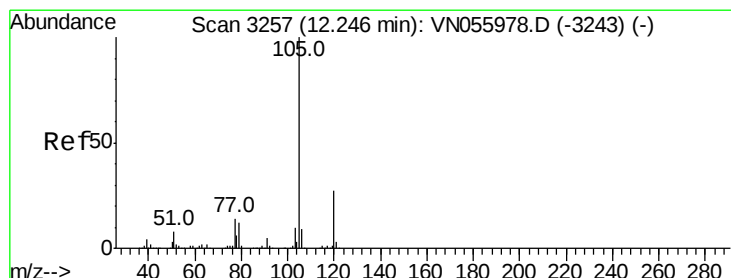
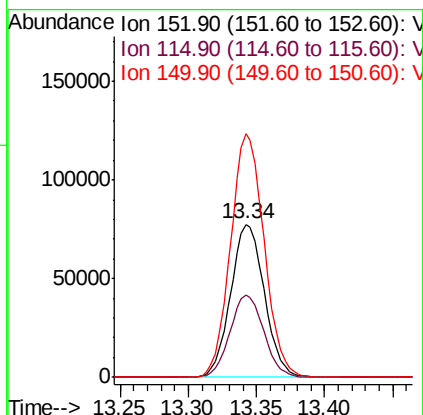
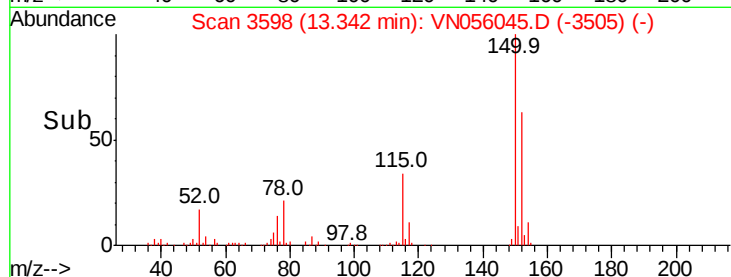
150 158.1 0.0 343.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. 0.15 min

Lab File: VN056045.D

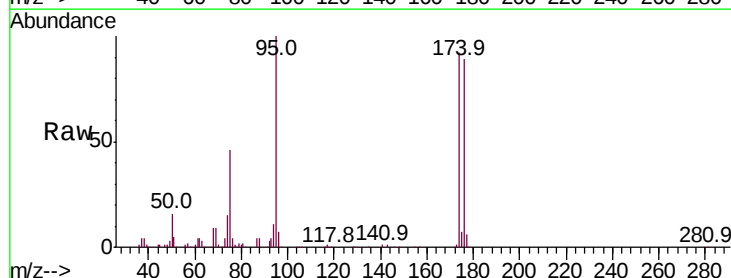
Acq: 6 Jun 2019 14:55

Tgt Ion:105 Resp: 29

Ion Ratio Lower Upper

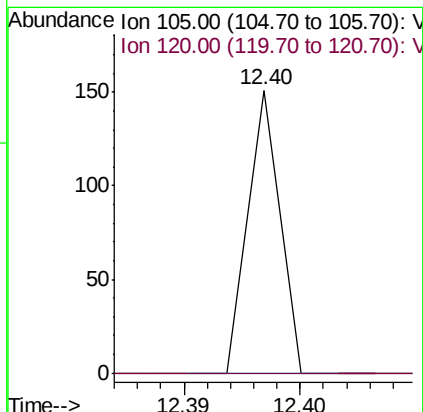
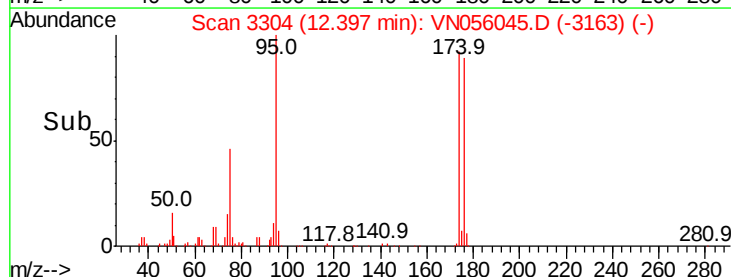
105 100

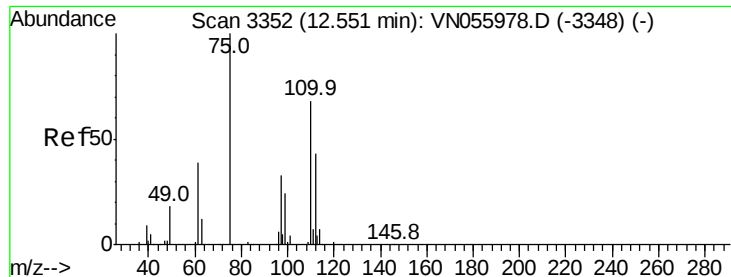
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 36.185 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

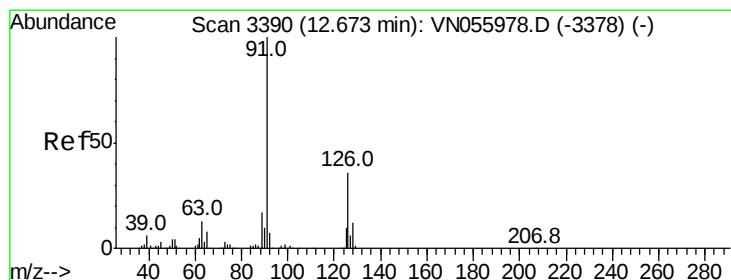
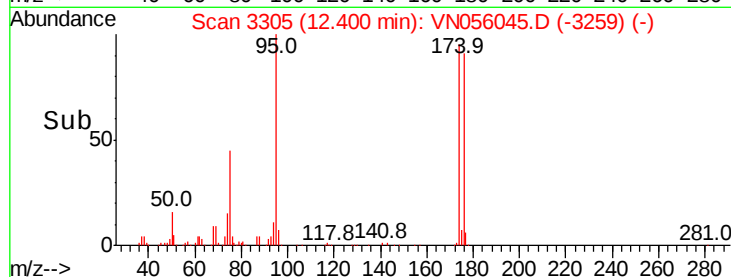
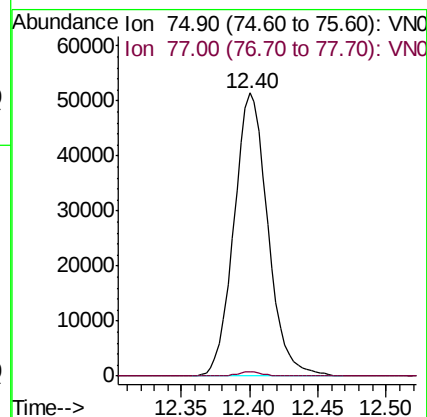
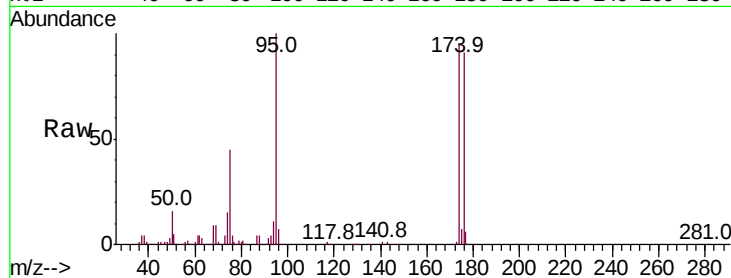
LF014RW041-190603

Tot Ion: 75 Resp: 88726

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056045.D

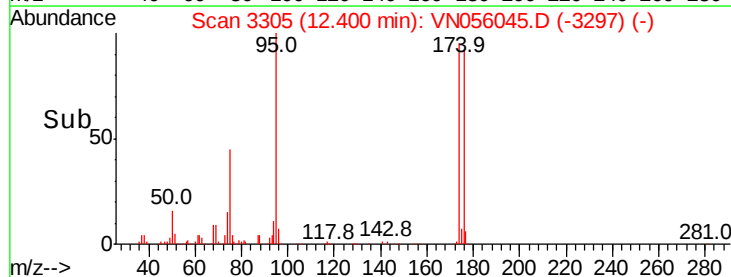
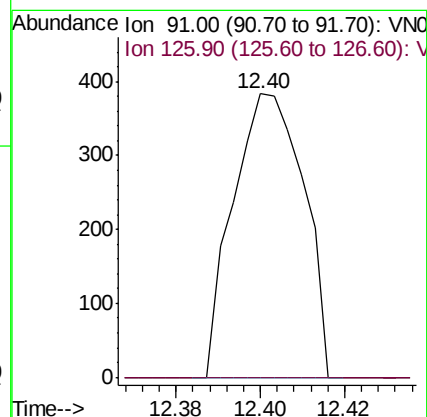
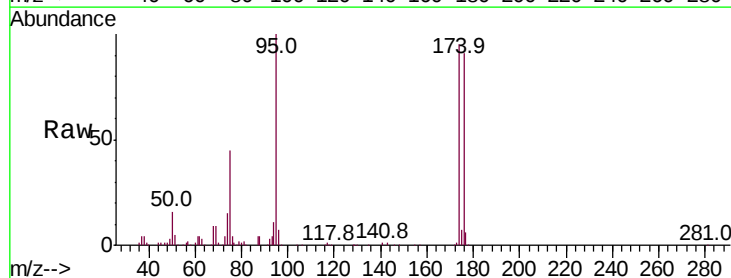
Acq: 6 Jun 2019 14:55

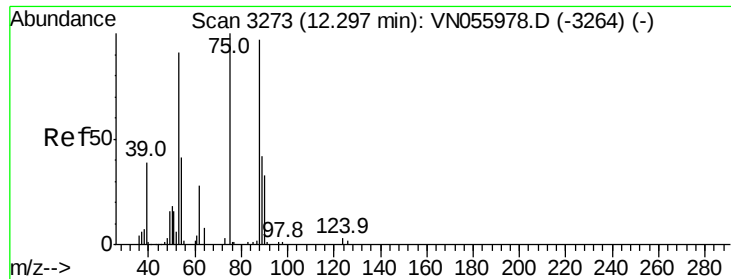
Tgt Ion: 91 Resp: 446

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 120.504 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056045.D

Acq: 6 Jun 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

LF014RW041-190603

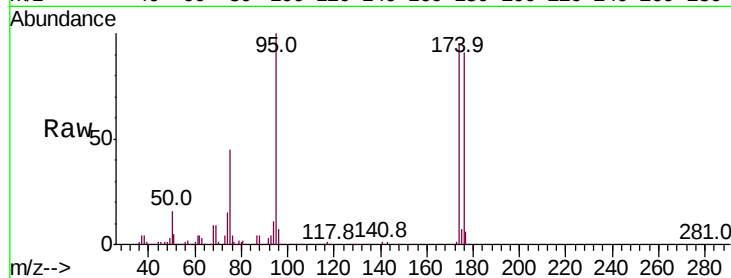
Tot Ion: 75 Resp: 88726

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

