

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056041.D
 Acq On : 6 Jun 2019 13:15
 Operator : JC/SP
 Sample : K3195-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014RW040-190603

Quant Time: Jun 06 17:54:07 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	336261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148359	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	179024	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
35) Dibromofluoromethane	7.59	113	156409	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.09	98	643565	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.40	95	199842	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

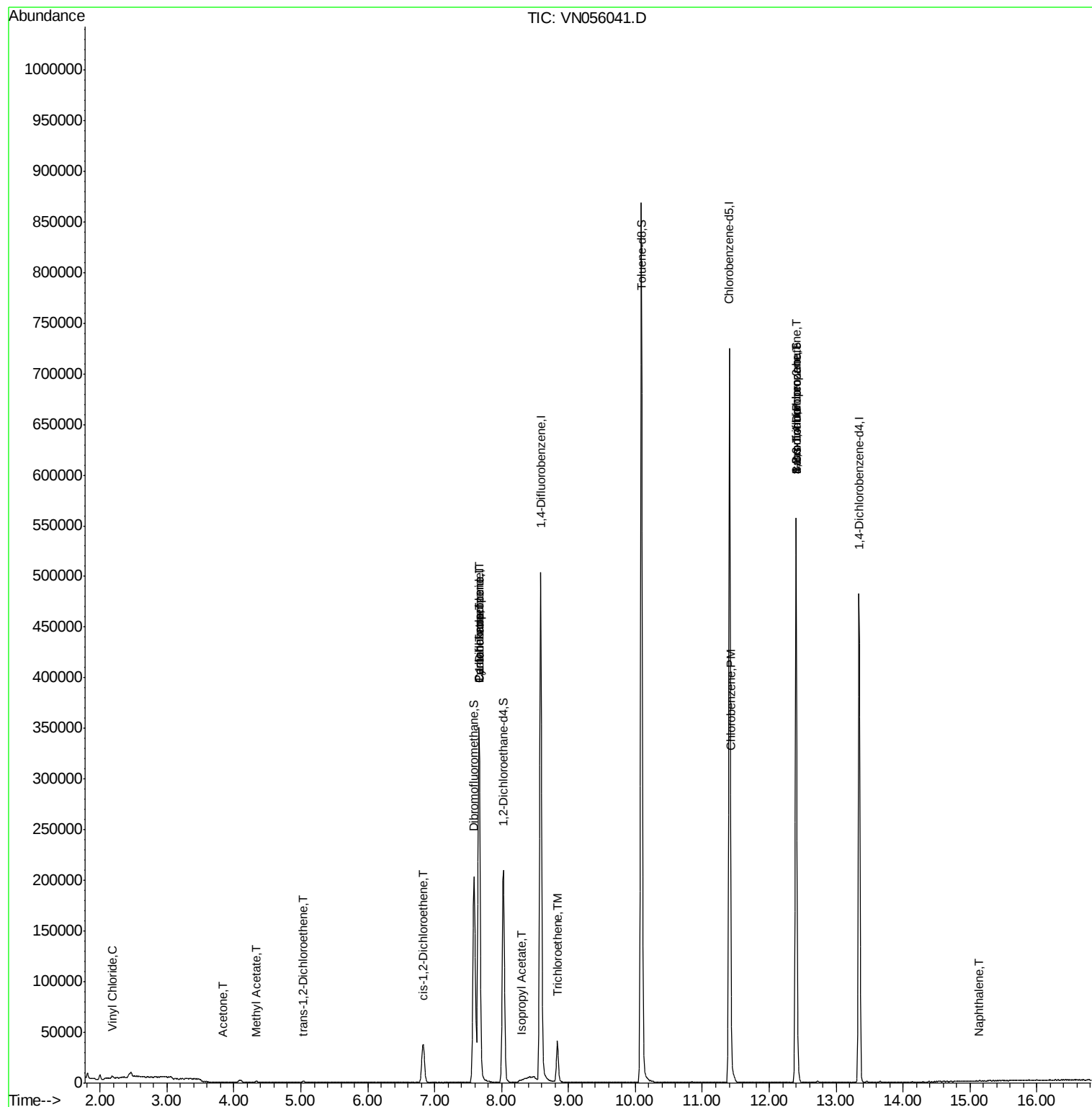
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	2172	0.594	ug/l	95
16) Acetone	3.83	43	567	0.355	ug/l #	41
18) Methyl Acetate	4.34	43	2568	0.243	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	622	0.206	ug/l #	55
27) cis-1,2-Dichloroethene	6.83	96	28245	7.944	ug/l	87
31) Cyclohexane	7.66	56	4949	0.934	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19742	4.535	ug/l #	48
38) Carbon Tetrachloride	7.66	117	26737	6.662	ug/l #	15
43) Isopropyl Acetate	8.29	43	2170	0.346	ug/l #	53
44) Trichloroethene	8.83	130	16463	4.333	ug/l	94
65) Chlorobenzene	11.43	112	2146	0.231	ug/l	93
71) Bromoform	12.40	173	1382	3.227	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	90928	33.309	ug/l #	100
79) 2-Chlorotoluene	12.59	91	118	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	90928	110.924	ug/l #	15
95) Naphthalene	15.14	128	90	3.863	ug/l #	69

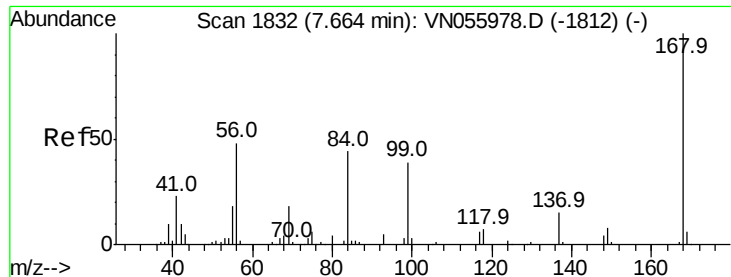
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060719\
Data File : VN056041.D
Acq On : 6 Jun 2019 13:15
Operator : JC/SP
Sample : K3195-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LF014RW040-190603

Quant Time: Jun 06 17:54:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

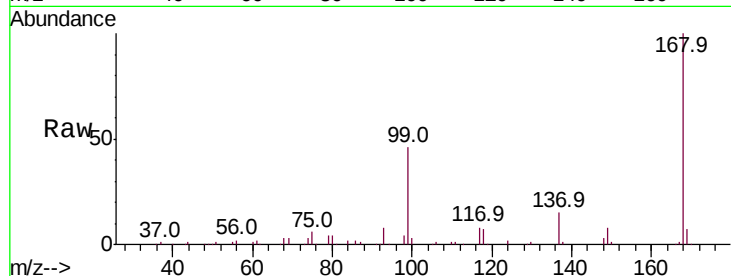
LF014RW040-190603

Tot Ion:168 Resp: 336261

Ion Ratio Lower Upper

168 100

99 46.2 37.2 55.8



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

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

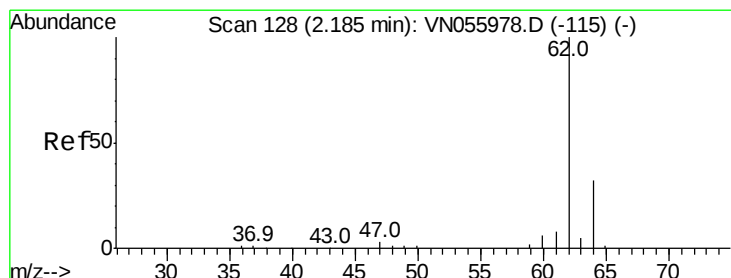
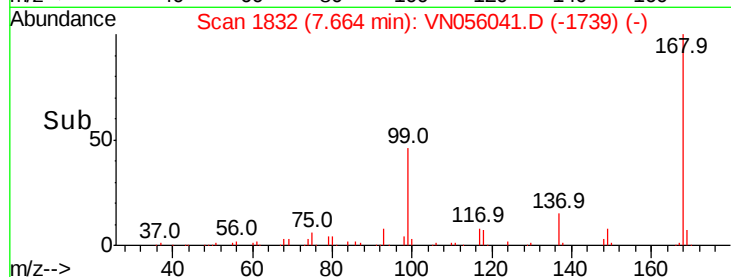
100000

50000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 0.594 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056041.D

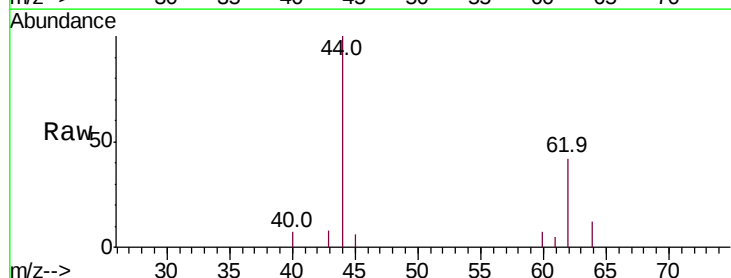
Acq: 6 Jun 2019 13:15

Tgt Ion: 62 Resp: 2172

Ion Ratio Lower Upper

62 100

64 29.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055978.D (-115) (-)

2.18

1500

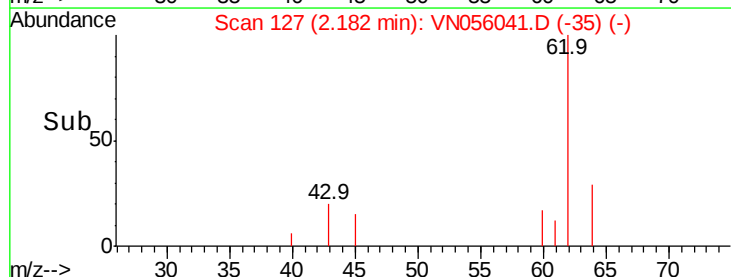
1000

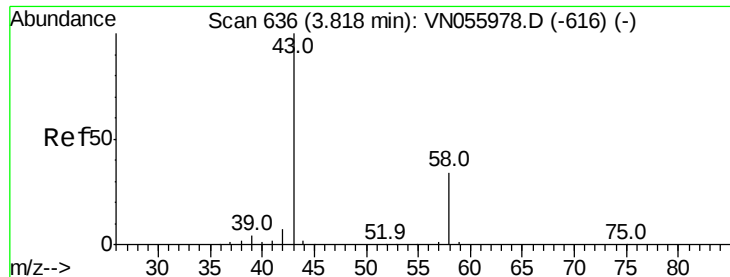
500

0

2.15 2.20

Time-->





#16

Acetone

Concen: 0.355 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

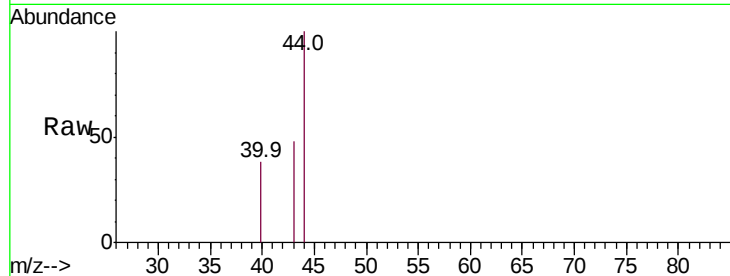
LF014RW040-190603

Tot Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

58 0.0 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

300

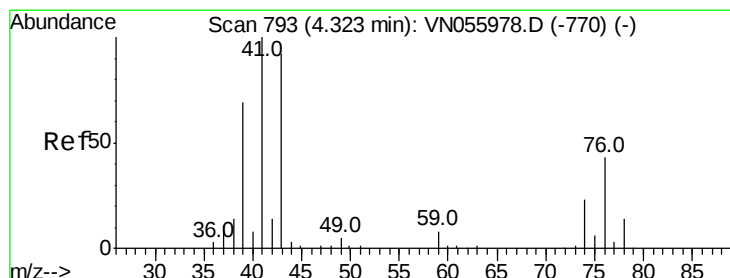
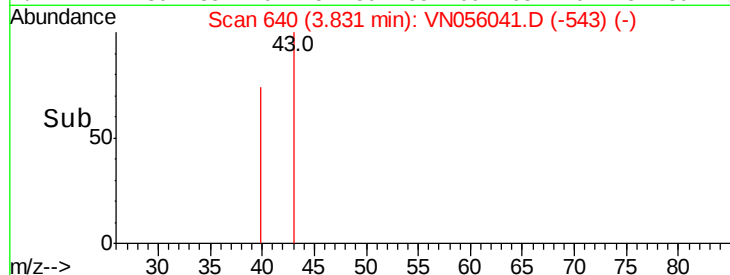
200

100

0

3.80 3.82 3.84 3.86

Time-->



#18

Methyl Acetate

Concen: 0.243 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056041.D

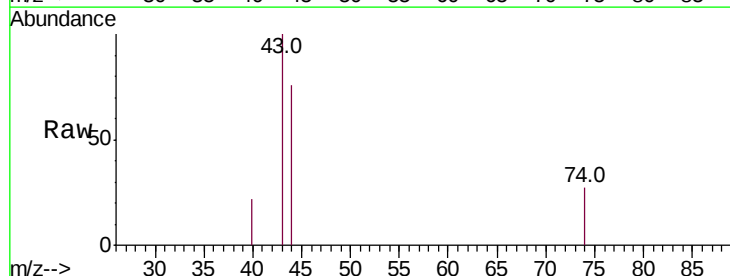
Acq: 6 Jun 2019 13:15

Tgt Ion: 43 Resp: 2568

Ion Ratio Lower Upper

43 100

74 15.2 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

800

600

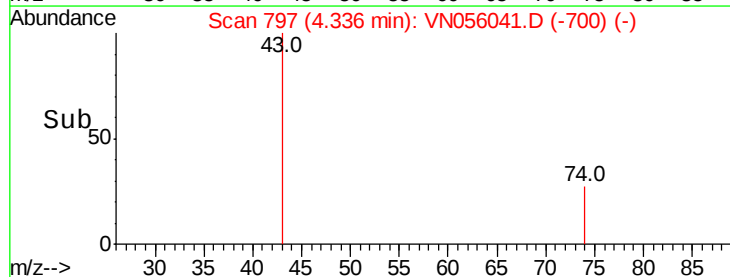
400

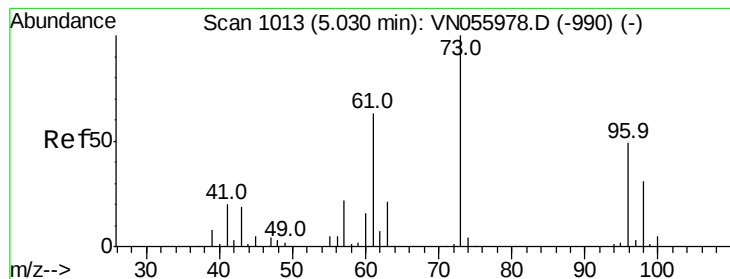
200

0

4.25 4.30 4.35 4.40

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.206 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

LF014RW040-190603

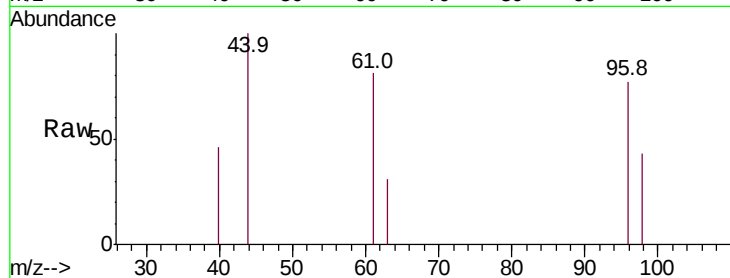
Tot Ion: 96 Resp: 622

Ion Ratio Lower Upper

96 100

61 60.8 107.8 161.8#

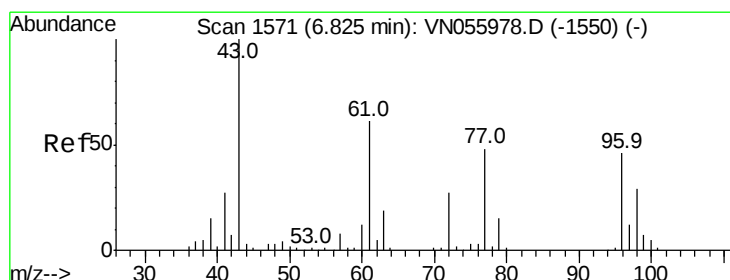
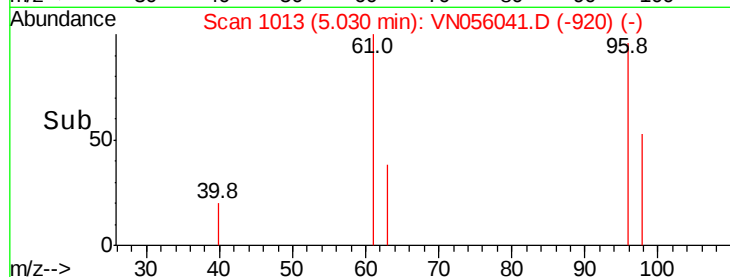
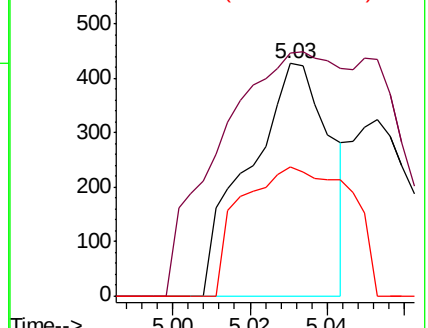
98 55.6 49.8 74.8



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: 7.944 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

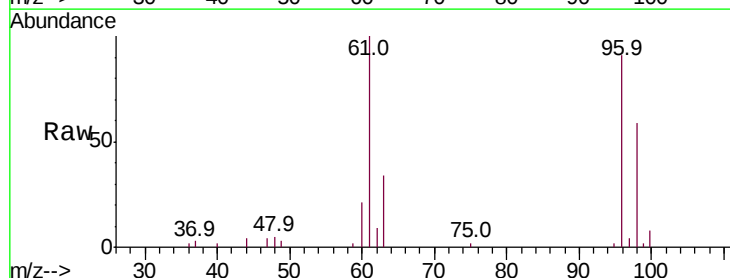
Tgt Ion: 96 Resp: 28245

Ion Ratio Lower Upper

96 100

61 116.3 0.0 275.8

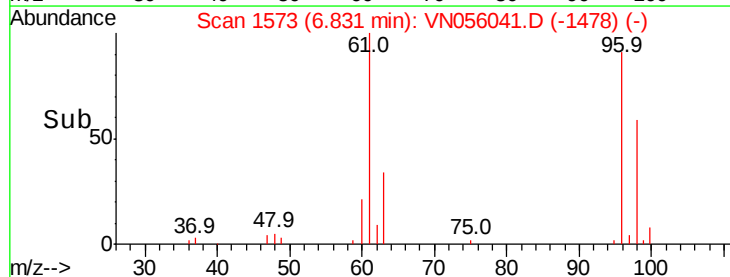
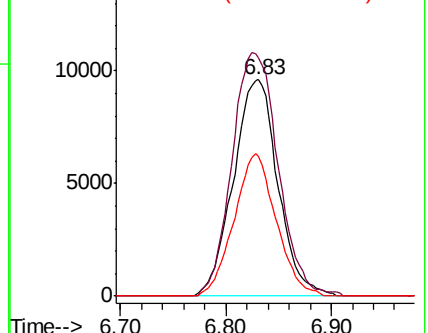
98 62.0 0.0 128.4

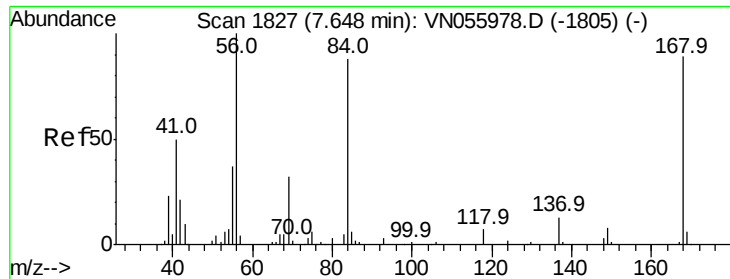


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#31

Cyclohexane

Concen: 0.934 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

LF014RW040-190603

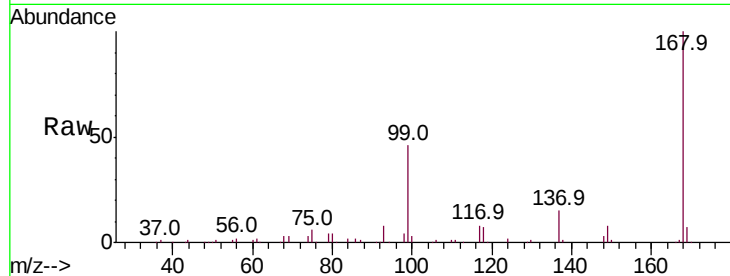
Tot Ion: 56 Resp: 4949

Ion Ratio Lower Upper

56 100

69 201.5 25.6 38.4#

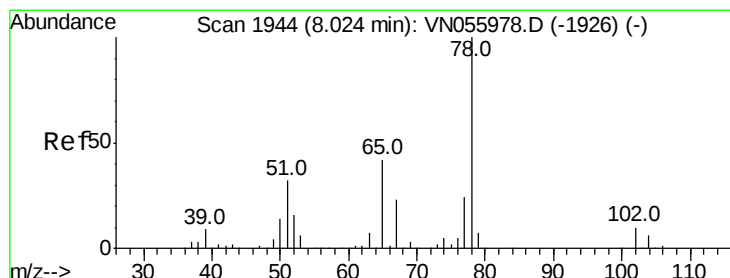
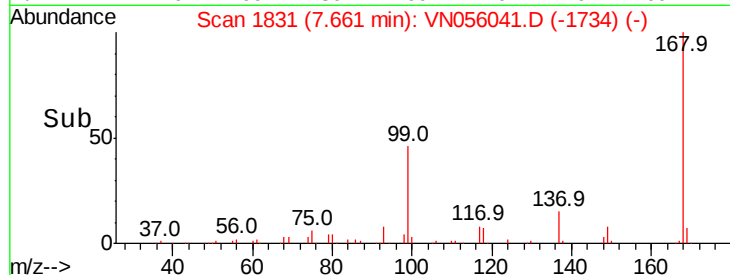
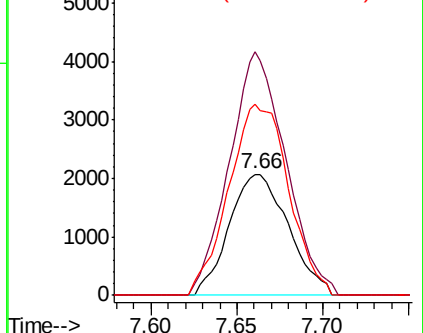
84 158.3 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN055978.D (-1805) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.619 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056041.D

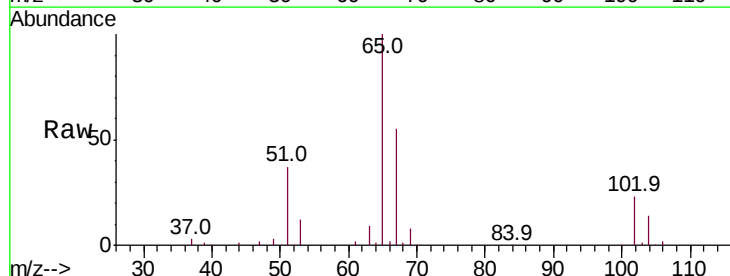
Acq: 6 Jun 2019 13:15

Tgt Ion: 65 Resp: 179024

Ion Ratio Lower Upper

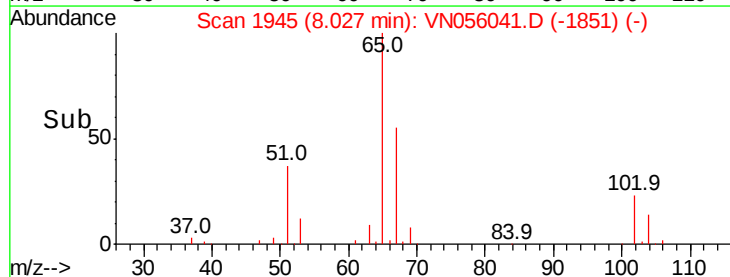
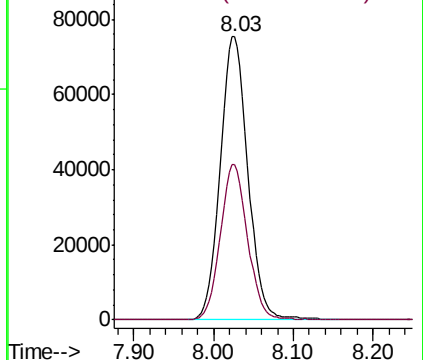
65 100

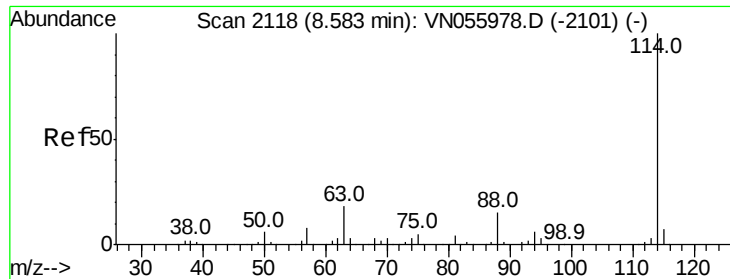
67 54.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055978.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055978.D (-1926) (-)

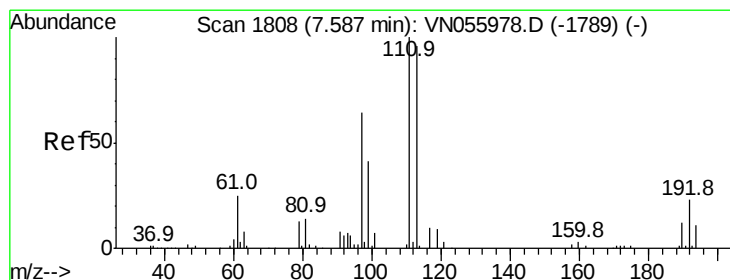
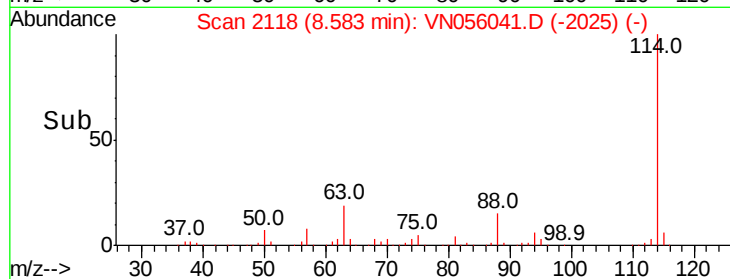
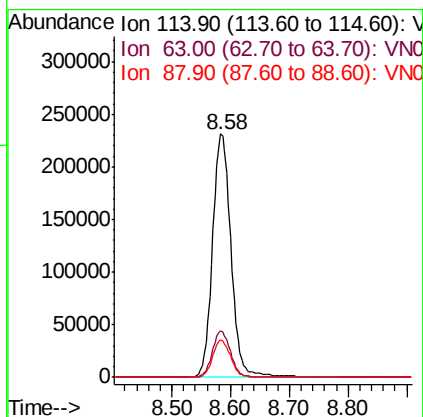
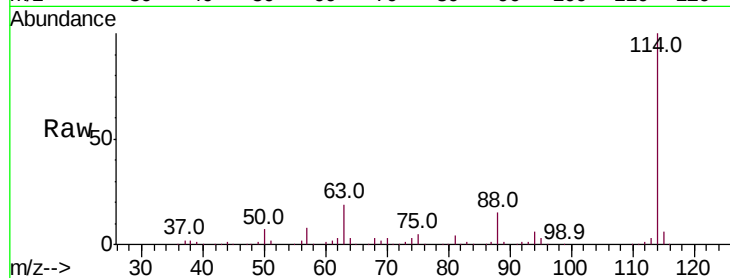




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056041.D
 Acq: 6 Jun 2019 13:15

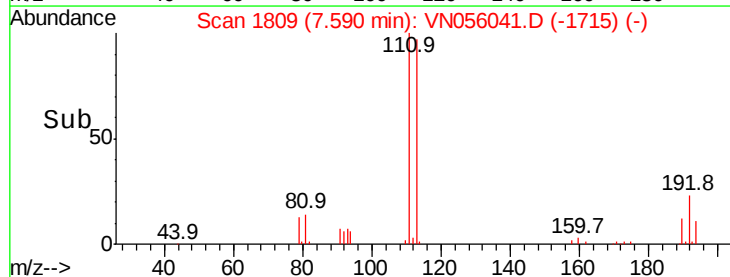
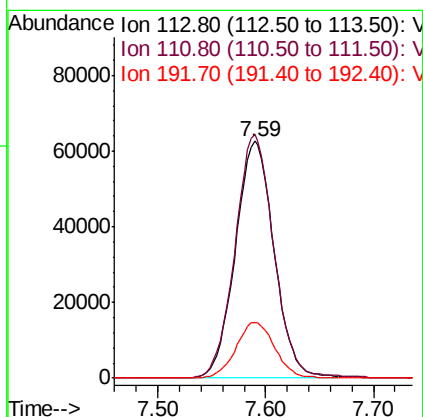
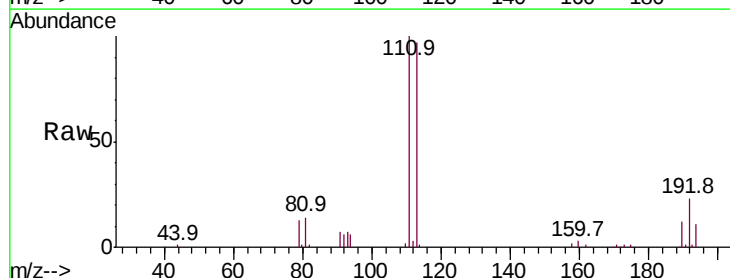
Instrument :
 MSVOA_N
 ClientSampleId :
 LF014RW040-190603

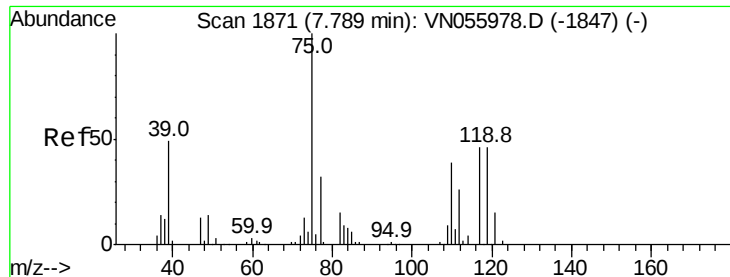
Tot Ion:114 Resp: 506268
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.2 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 50.355 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056041.D
 Acq: 6 Jun 2019 13:15

Tgt Ion:113 Resp: 156409
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.9 122.9
 192 23.5 19.5 29.3





#36

1,1-Dichloropropene

Concen: 4.535 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

LF014RW040-190603

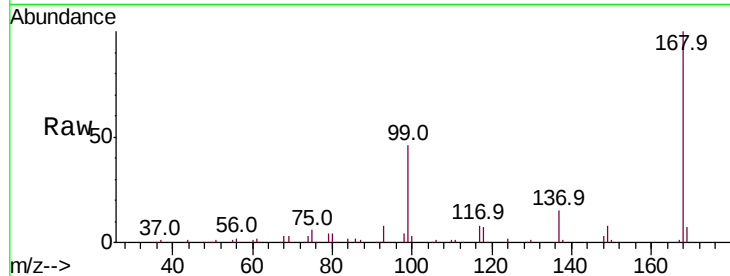
Tot Ion: 75 Resp: 19742

Ion Ratio Lower Upper

75 100

110 8.6 19.0 57.0#

77 0.0 25.1 37.7#

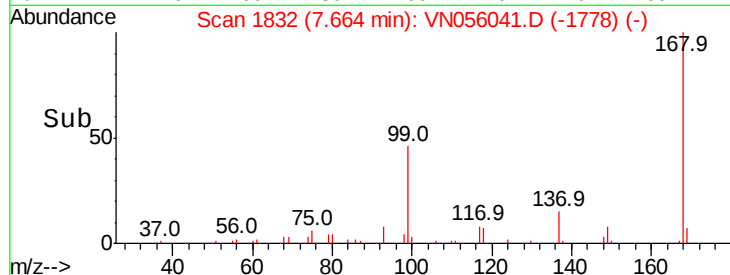


Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)

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

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

Time-->

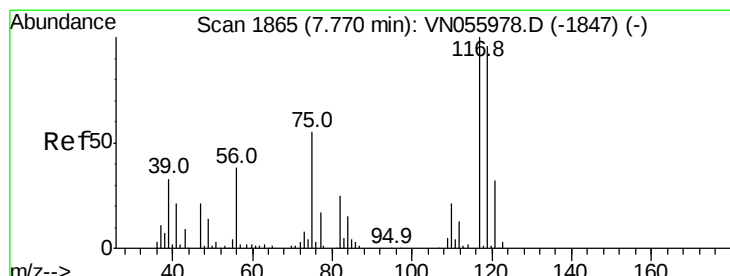


Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)

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

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

Time-->



#38

Carbon Tetrachloride

Concen: 6.662 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

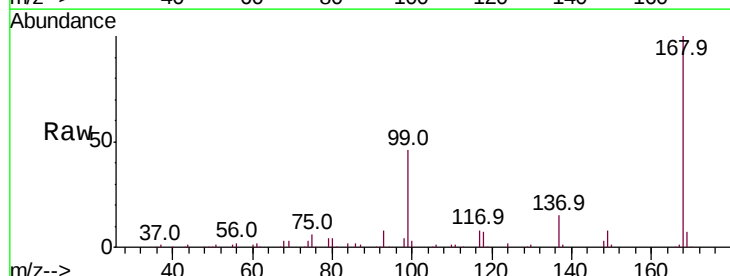
Tgt Ion: 117 Resp: 26737

Ion Ratio Lower Upper

117 100

119 5.5 79.0 118.6#

121 0.0 24.7 37.1#

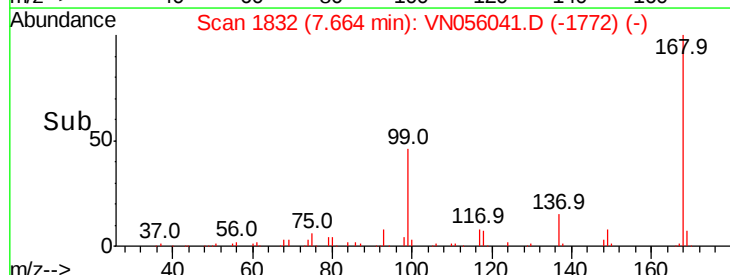


Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

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

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

Time-->

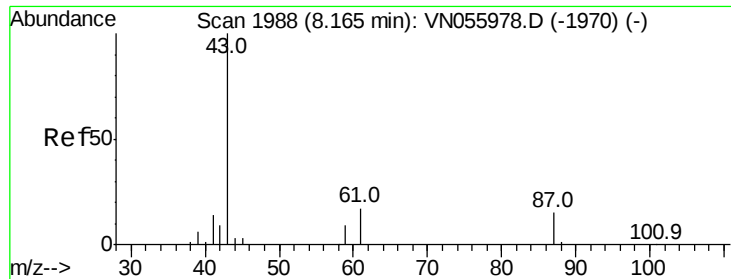


Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

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

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

Time-->



#43

Isopropyl Acetate

Concen: 0.346 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

LF014RW040-190603

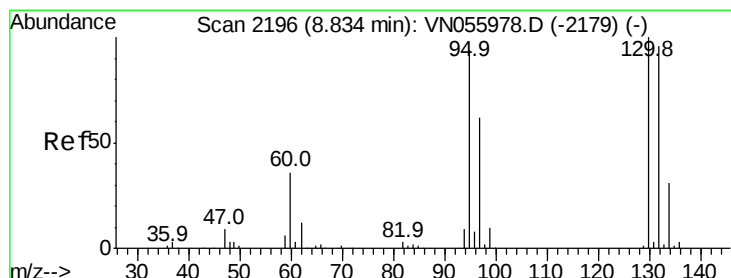
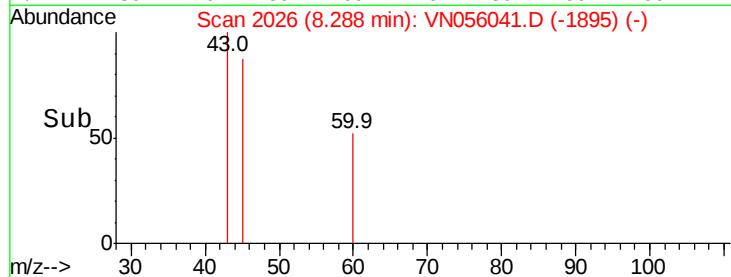
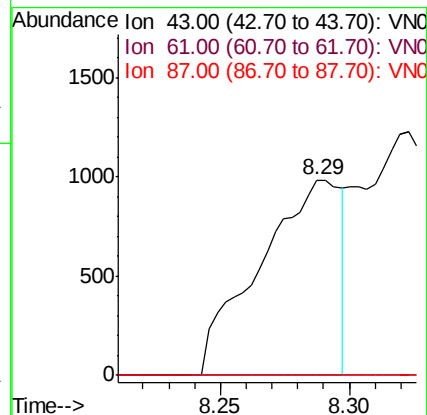
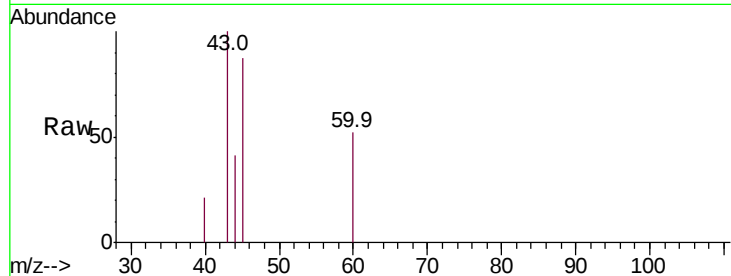
Tot Ion: 43 Resp: 2170

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



#44

Trichloroethene

Concen: 4.333 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056041.D

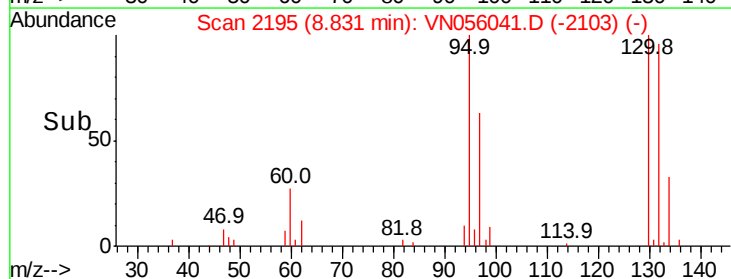
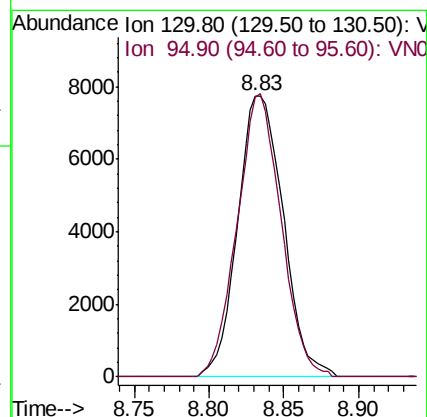
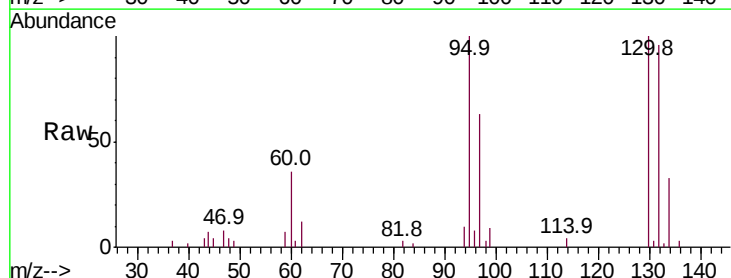
Acq: 6 Jun 2019 13:15

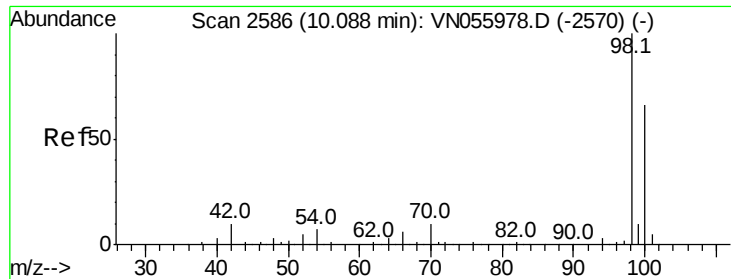
Tgt Ion: 130 Resp: 16463

Ion Ratio Lower Upper

130 100

95 99.5 0.0 188.0





#50

Toluene-d8

Concen: 53.844 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

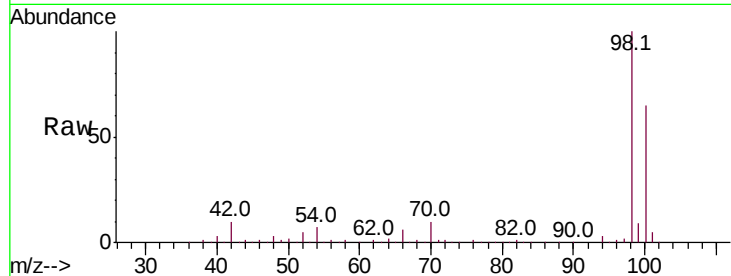
LF014RW040-190603

Tot Ion: 98 Resp: 643565

Ion Ratio Lower Upper

98 100

100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

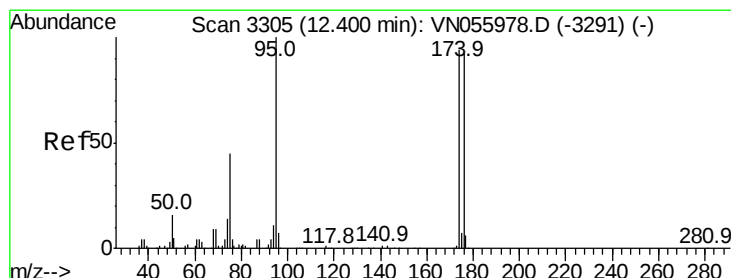
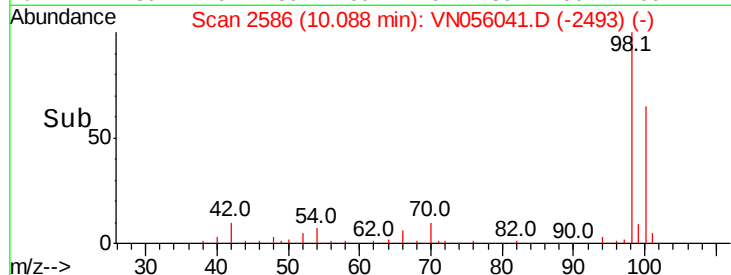
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.165 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

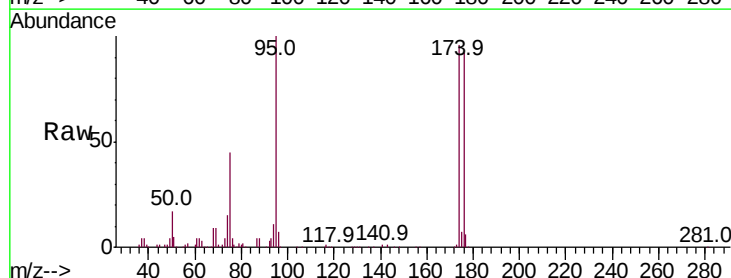
Tgt Ion: 95 Resp: 199842

Ion Ratio Lower Upper

95 100

174 95.9 0.0 191.0

176 92.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

12.40

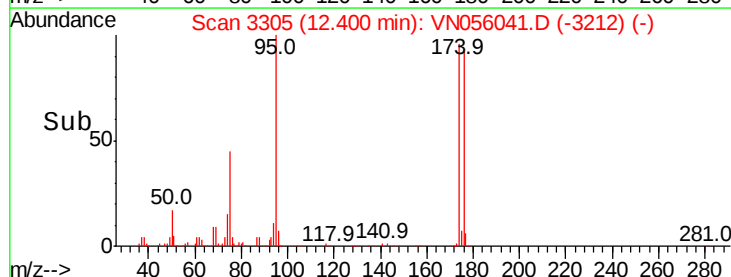
150000

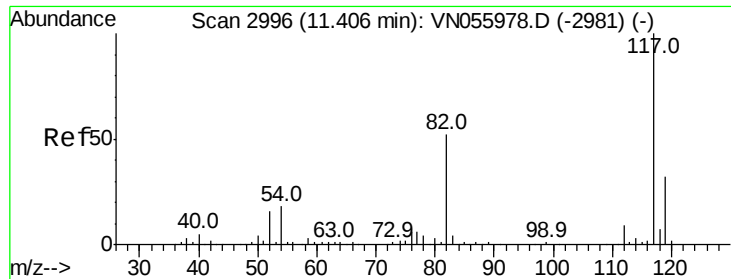
100000

50000

0

Time-->

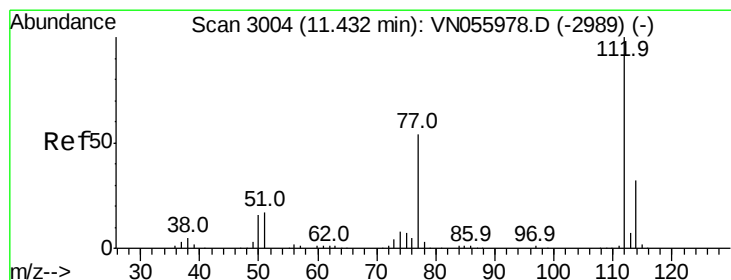
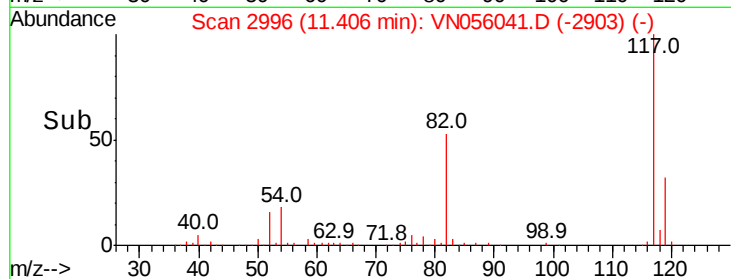
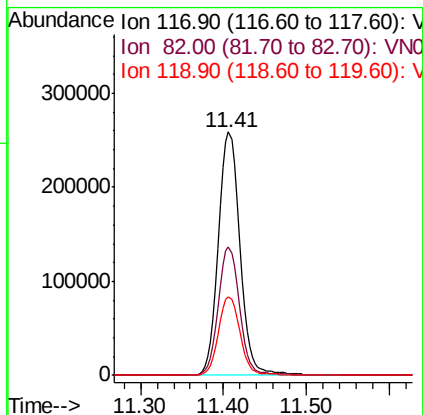
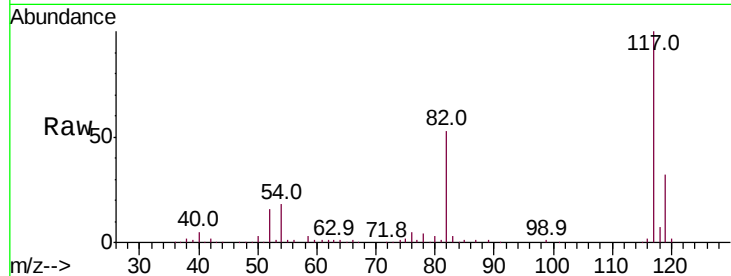




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056041.D
Acq: 6 Jun 2019 13:15

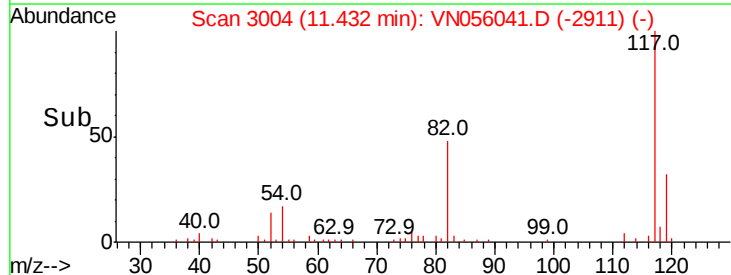
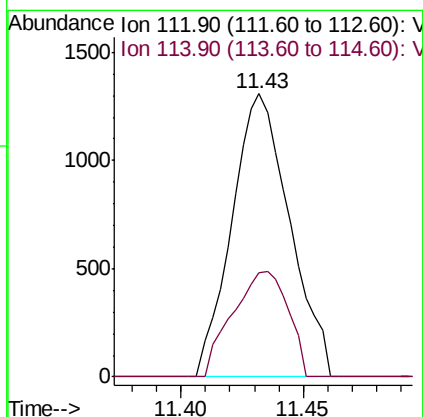
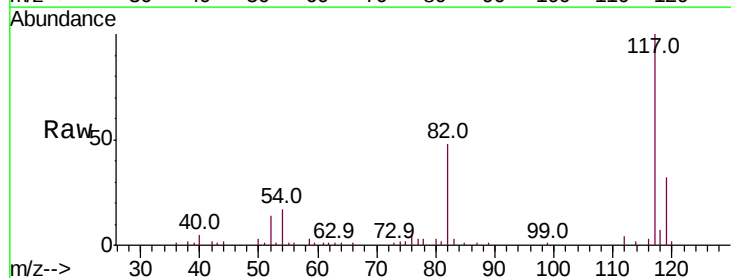
Instrument :
MSVOA_N
ClientSampleId :
LF014RW040-190603

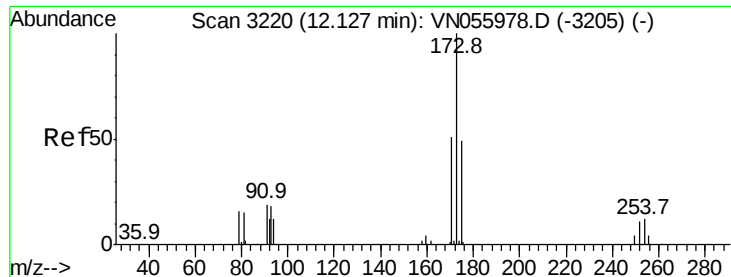
Tot Ion:117 Resp: 466720
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 32.3 25.4 38.0



#65
Chlorobenzene
Concen: 0.231 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056041.D
Acq: 6 Jun 2019 13:15

Tgt Ion:112 Resp: 2146
Ion Ratio Lower Upper
112 100
114 36.7 26.2 39.4





#71

Bromoform

Concen: 3.227 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

LF014RW040-190603

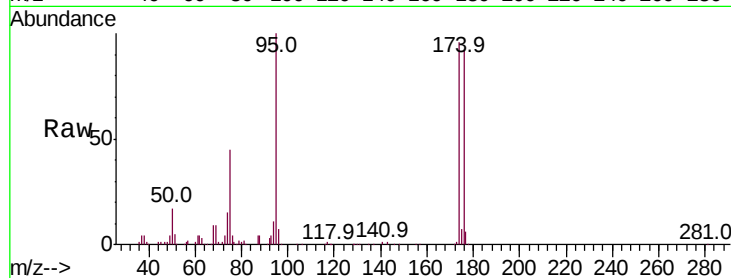
Tot Ion:173 Resp: 1382

Ion Ratio Lower Upper

173 100

175 888.3 24.3 72.8#

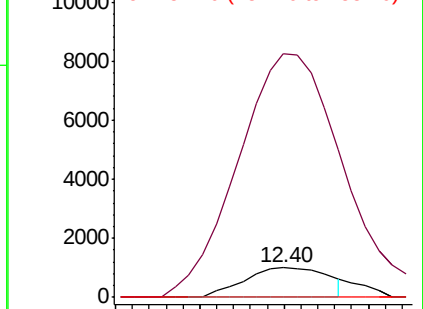
254 0.0 0.0 0.0



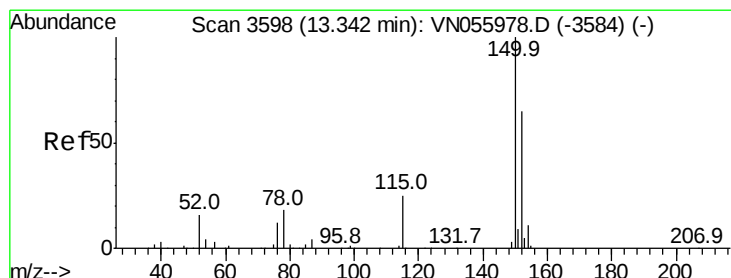
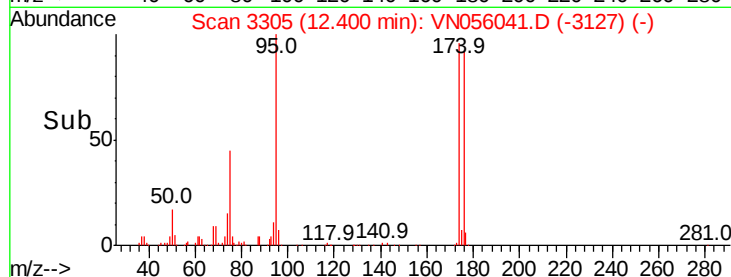
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 12.36 12.38 12.40 12.42



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

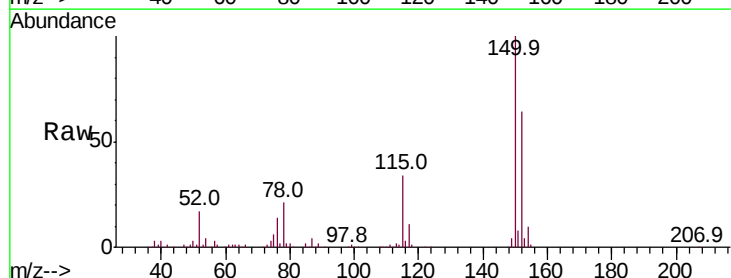
Tgt Ion:152 Resp: 148359

Ion Ratio Lower Upper

152 100

115 53.8 27.0 81.0

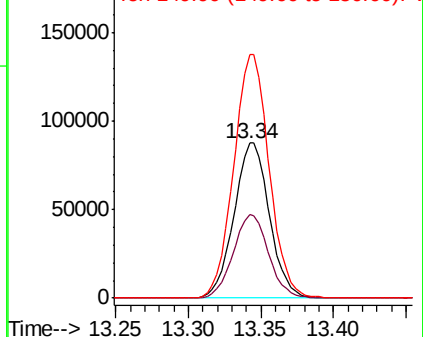
150 157.2 0.0 343.2



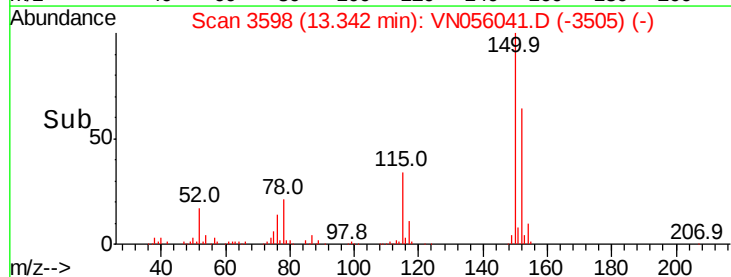
Abundance Ion 151.90 (151.60 to 152.60): V

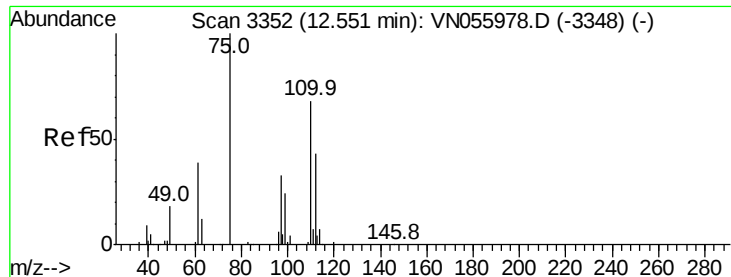
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.25 13.30 13.35 13.40





#76

1,2,3-Trichloropropane

Concen: 33.309 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

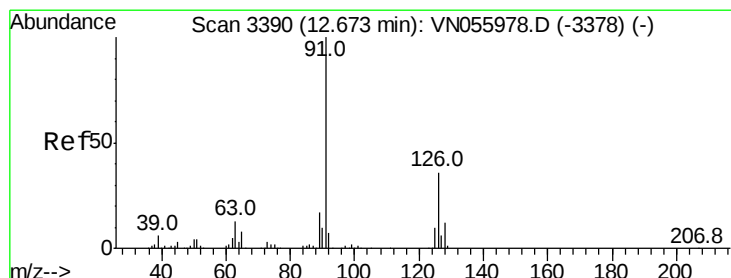
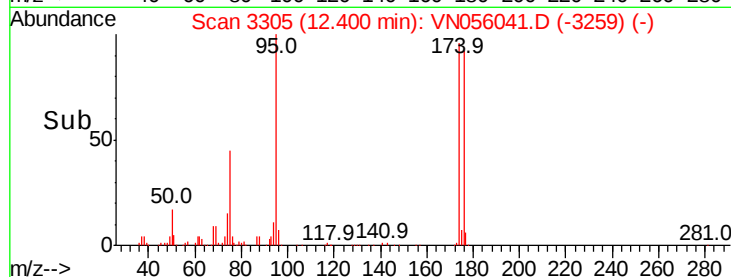
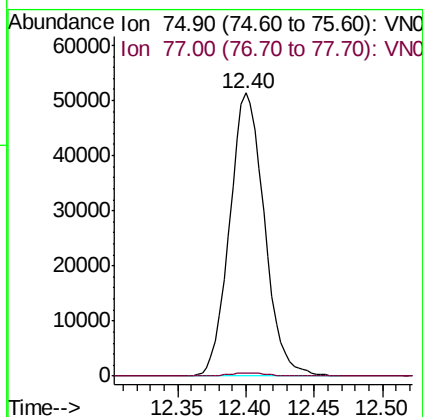
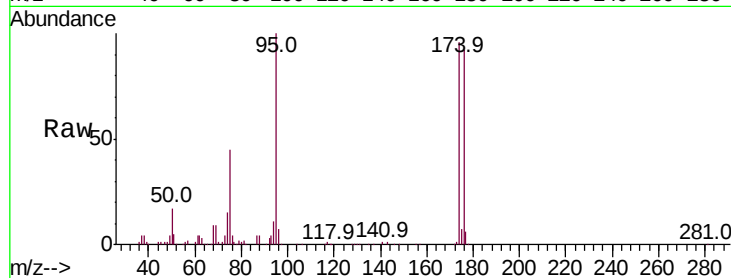
LF014RW040-190603

Tot Ion: 75 Resp: 90928

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056041.D

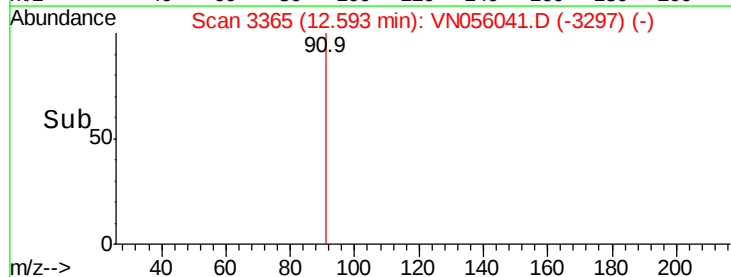
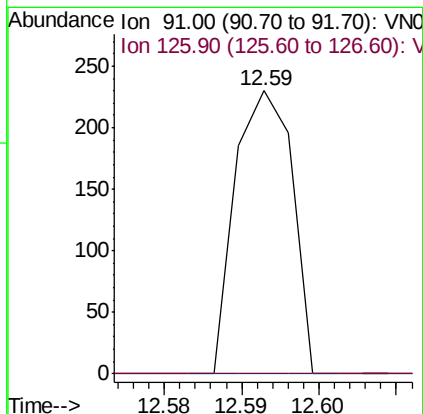
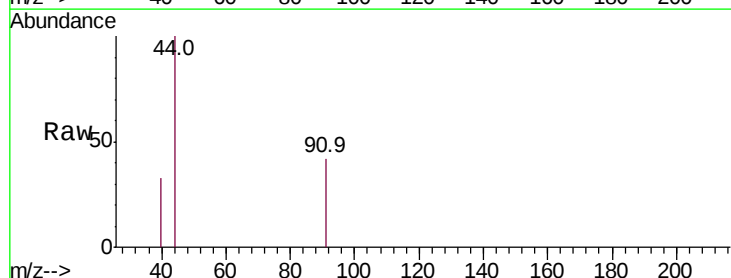
Acq: 6 Jun 2019 13:15

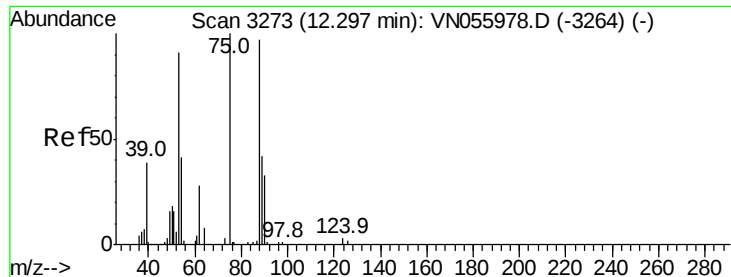
Tgt Ion: 91 Resp: 118

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.924 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

LF014RW040-190603

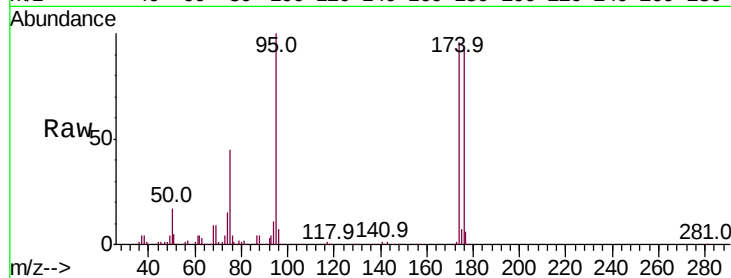
Tot Ion: 75 Resp: 90928

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

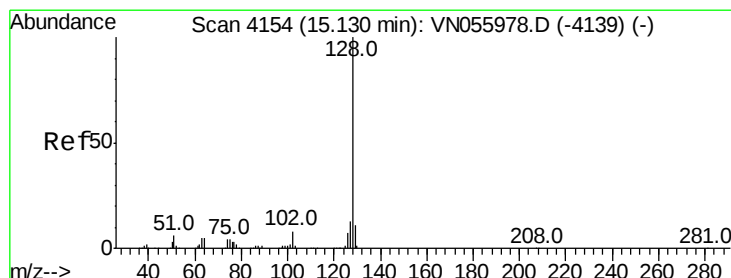
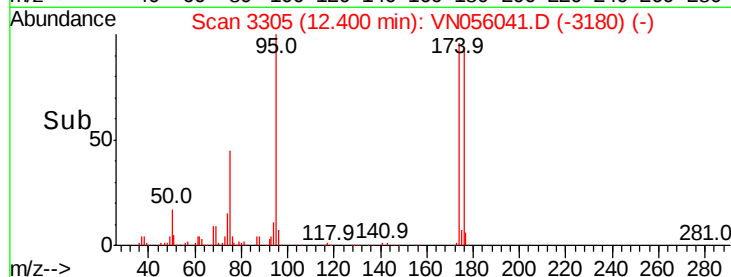
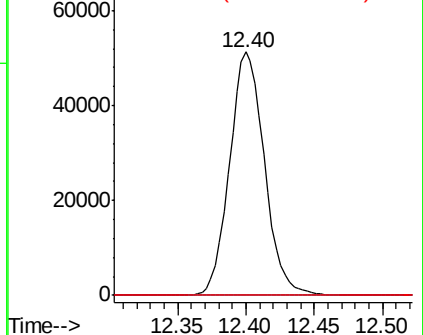
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 3.863 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056041.D

Acq: 6 Jun 2019 13:15

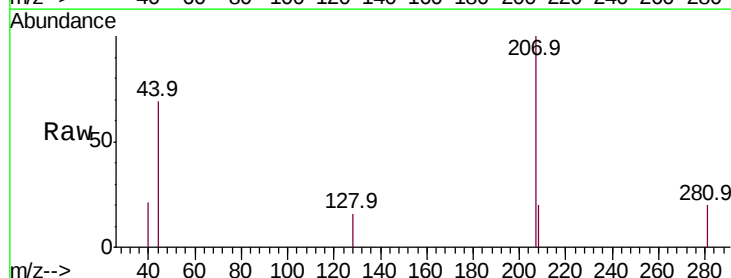
Tgt Ion: 128 Resp: 90

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



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

