

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056039.D
 Acq On : 6 Jun 2019 12:24
 Operator : JC/SP
 Sample : K3195-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014RW132-190603

Quant Time: Jun 06 17:53:49 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	359584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	538128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	192676	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	7.59	113	168755	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.09	98	696820	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
62) 4-Bromofluorobenzene	12.40	95	216710	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

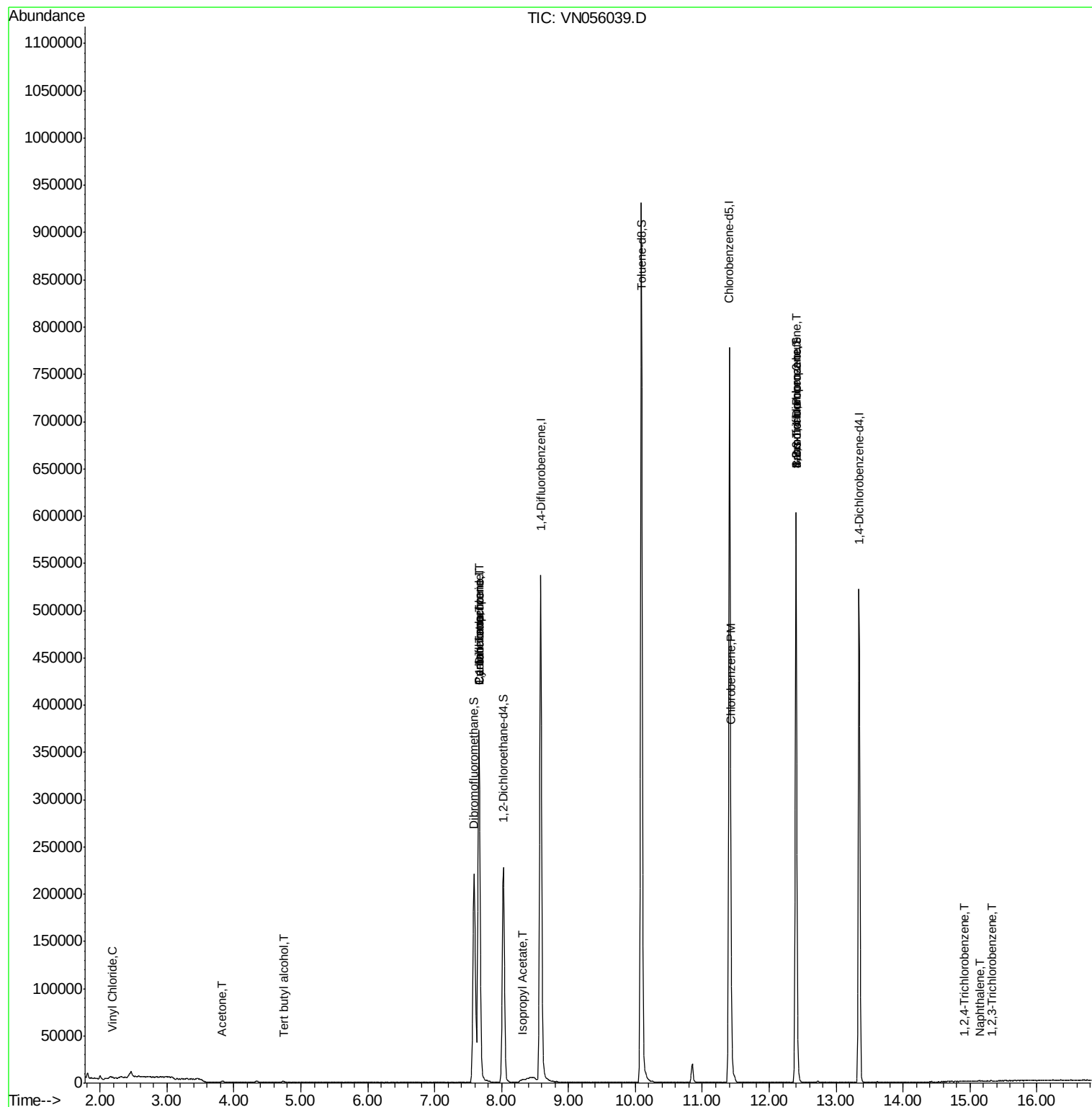
						Qvalue
4) Vinyl Chloride	2.18	62	966	0.247	ug/l #	84
11) Tert butyl alcohol	4.74	59	993	1.598	ug/l #	74
16) Acetone	3.83	43	2528	1.480	ug/l	97
31) Cyclohexane	7.66	56	5247	0.926	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20977	4.533	ug/l #	47
38) Carbon Tetrachloride	7.66	117	28656	6.717	ug/l #	15
43) Isopropyl Acetate	8.31	43	3756	0.563	ug/l #	53
65) Chlorobenzene	11.43	112	31424	3.144	ug/l	99
71) Bromoform	12.40	173	1641	3.277	ug/l #	1
73) Isopropylbenzene	12.25	105	116	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	97962	33.323	ug/l #	100
79) 2-Chlorotoluene	12.68	91	163	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	97962	110.971	ug/l #	15
83) tert-Butylbenzene	13.00	119	30	Below Cal	#	28
93) 1,2,4-Trichlorobenzene	14.91	180	247	4.346	ug/l #	72
95) Naphthalene	15.15	128	760	3.943	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	291	3.122	ug/l #	75

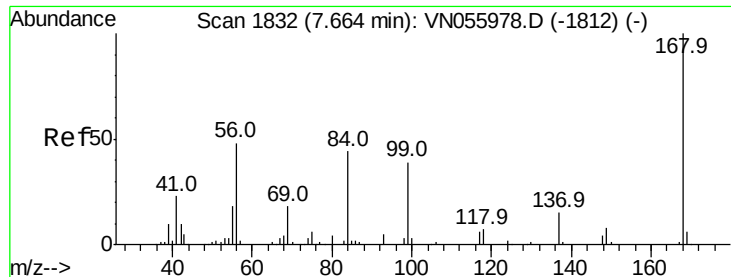
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060719\
Data File : VN056039.D
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Quant Time: Jun 06 17:53:49 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: VN056039.D

Acq: 6 Jun 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

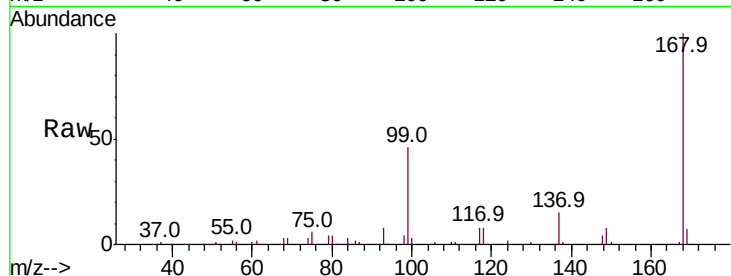
LF014RW132-190603

Tot Ion:168 Resp: 359584

Ion Ratio Lower Upper

168 100

99 46.0 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

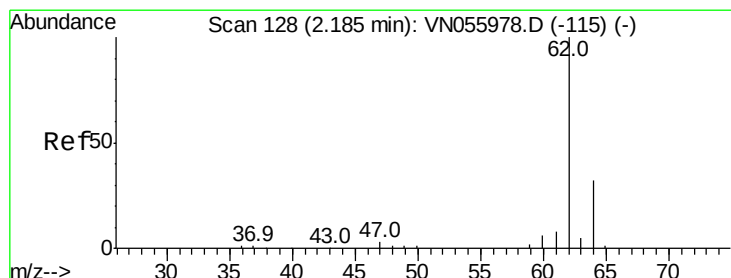
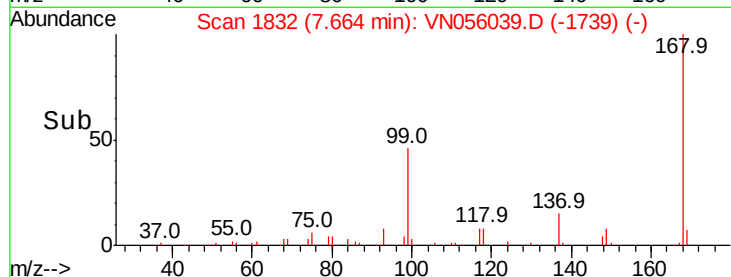
100000

50000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 0.247 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056039.D

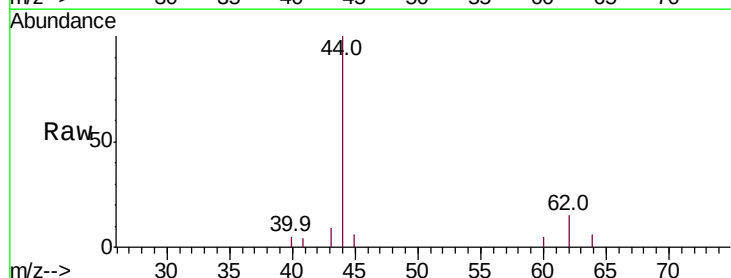
Acq: 6 Jun 2019 12:24

Tgt Ion: 62 Resp: 966

Ion Ratio Lower Upper

62 100

64 40.7 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

600

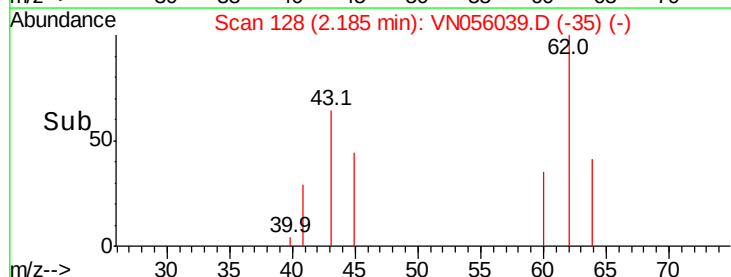
400

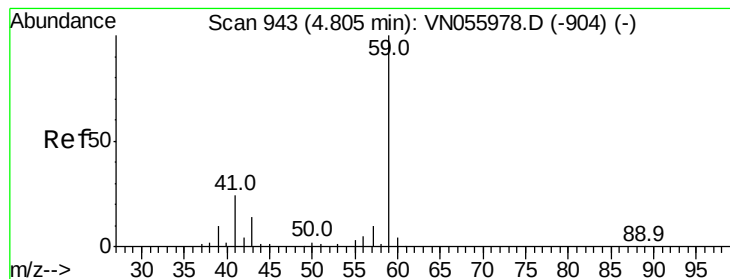
200

0

2.14 2.16 2.18 2.20 2.22

Time-->



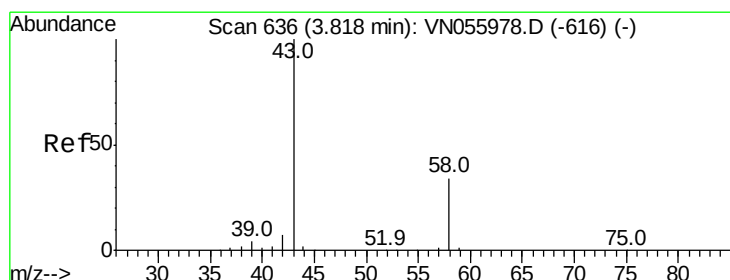
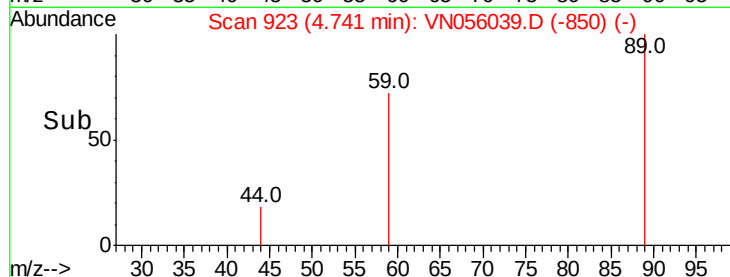
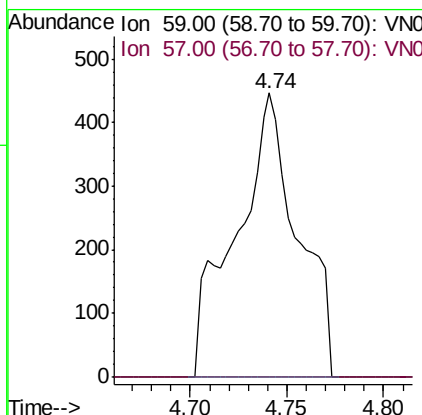
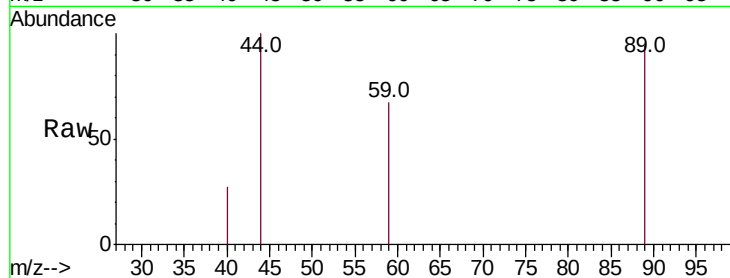


#11

Tert butyl alcohol
 Concen: 1.598 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.06 min
 Lab File: VN056039.D
 Acq: 6 Jun 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014RW132-190603

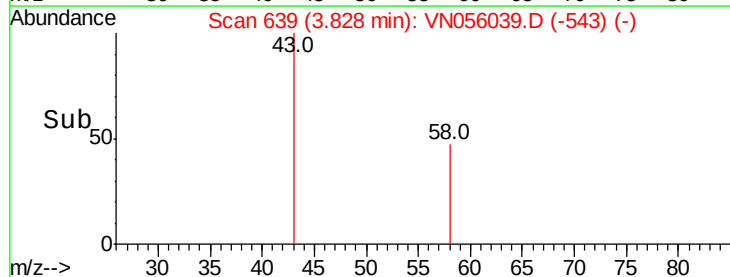
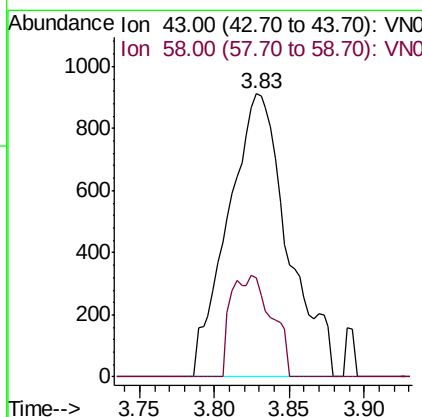
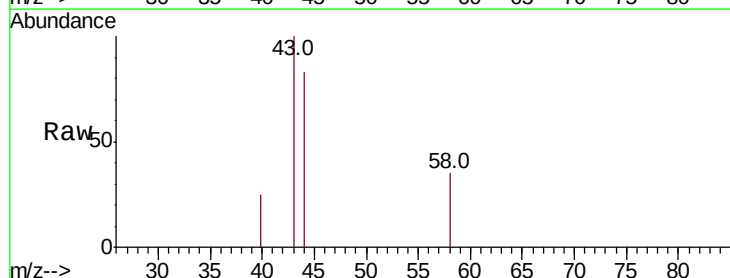
Tot Ion: 59 Resp: 993
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

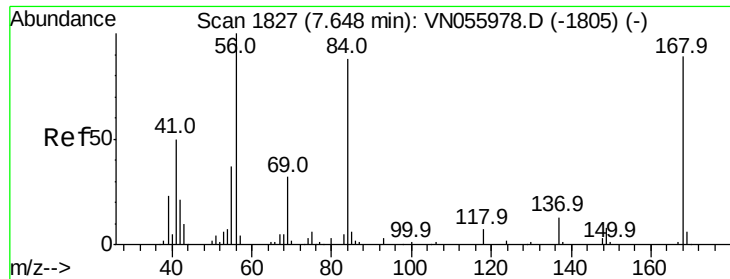


#16

Acetone
 Concen: 1.480 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN056039.D
 Acq: 6 Jun 2019 12:24

Tgt Ion: 43 Resp: 2528
 Ion Ratio Lower Upper
 43 100
 58 35.0 26.6 39.8

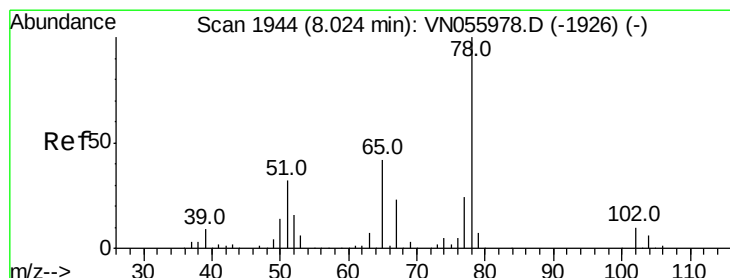
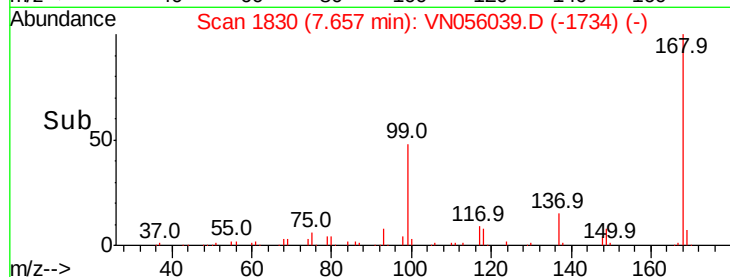
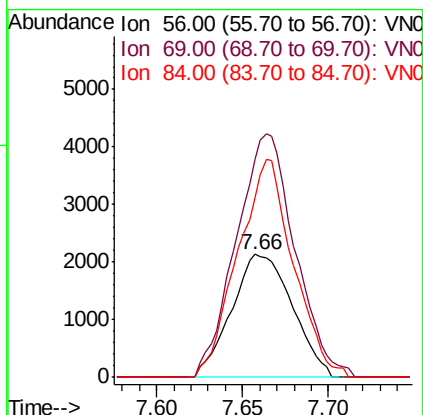
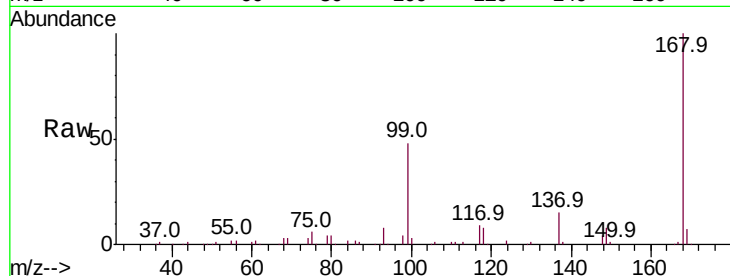




#31
Cyclohexane
Concen: 0.926 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN056039.D
Acq: 6 Jun 2019 12:24

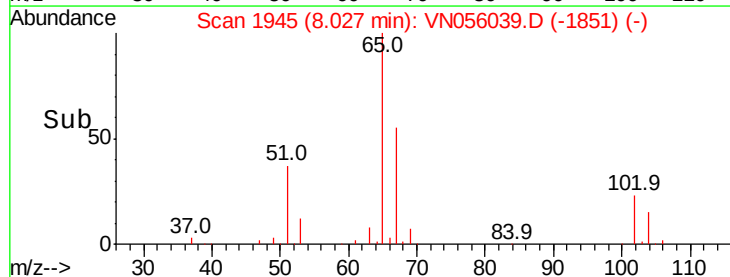
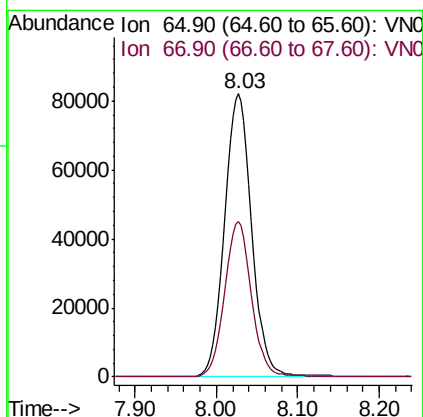
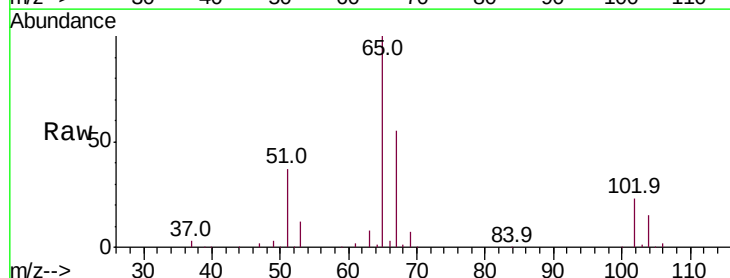
Instrument :
MSVOA_N
ClientSampleId :
LF014RW132-190603

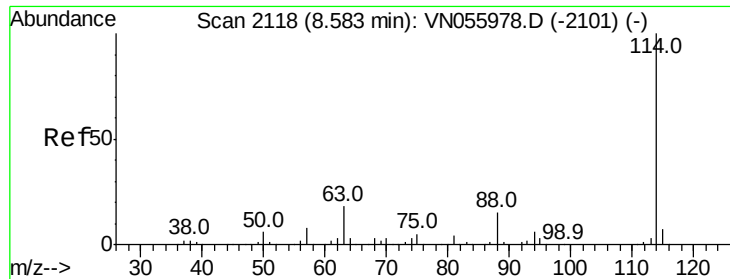
Tot Ion: 56 Resp: 5247
Ion Ratio Lower Upper
56 100
69 177.1 25.6 38.4#
84 145.4 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 53.965 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056039.D
Acq: 6 Jun 2019 12:24

Tgt Ion: 65 Resp: 192676
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2

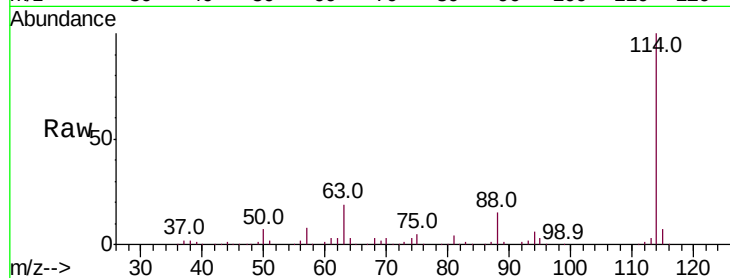




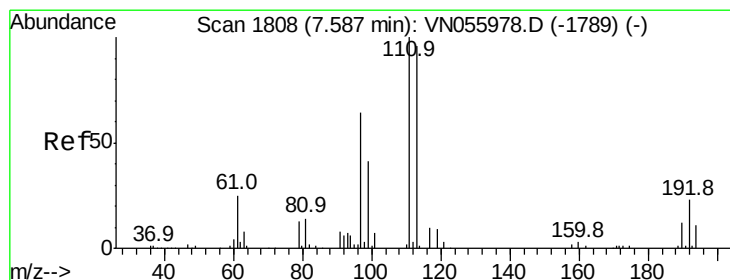
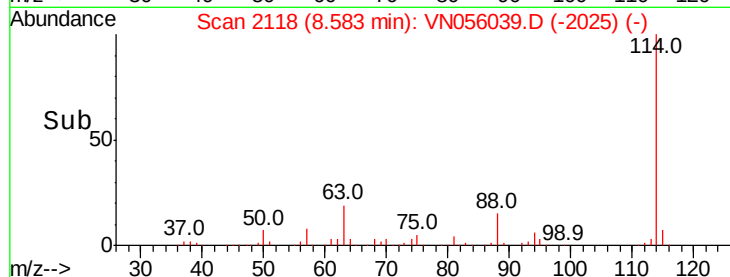
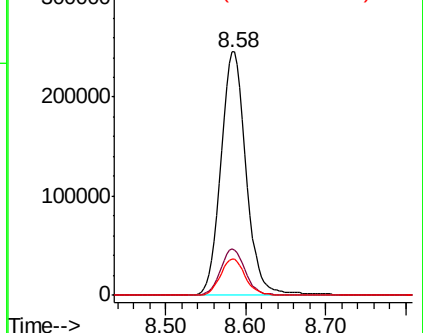
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056039.D
 Acq: 6 Jun 2019 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014RW132-190603

Tot Ion:114 Resp: 538128
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.1 0.0 31.0

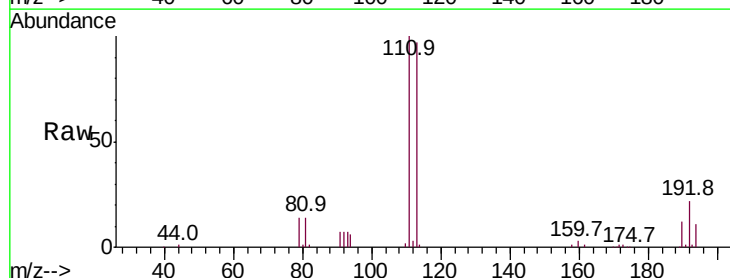


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

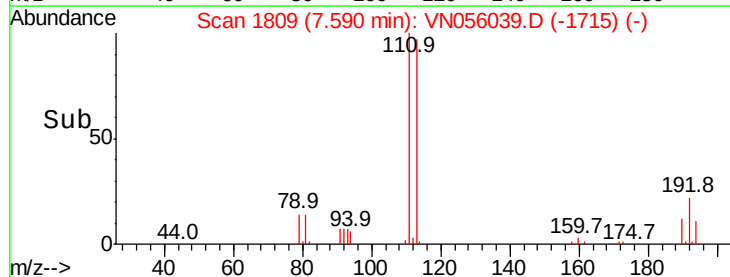
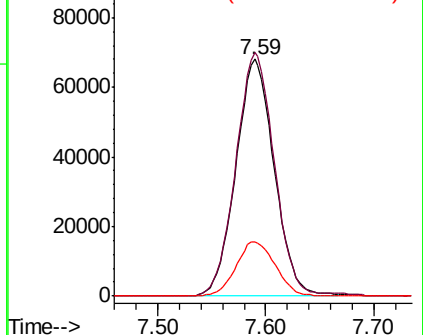


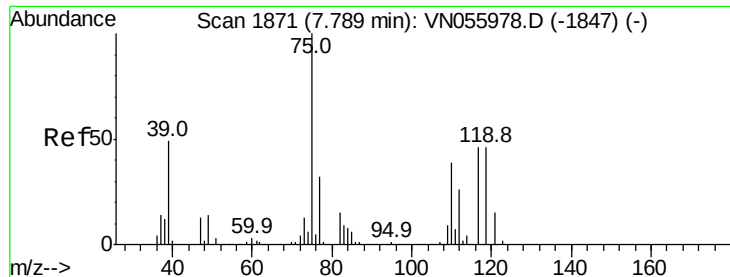
#35
 Dibromofluoromethane
 Concen: 51.113 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056039.D
 Acq: 6 Jun 2019 12:24

Tgt Ion:113 Resp: 168755
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.9 122.9
 192 23.5 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

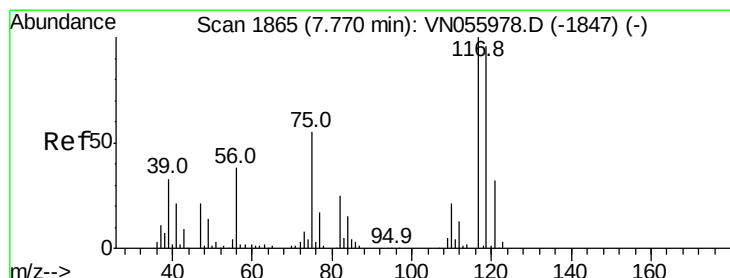
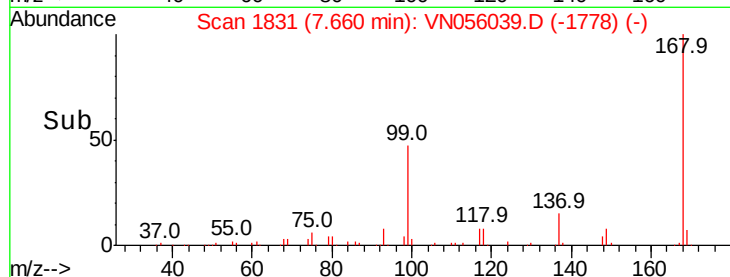
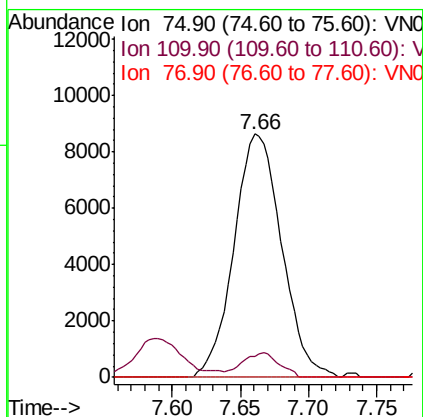
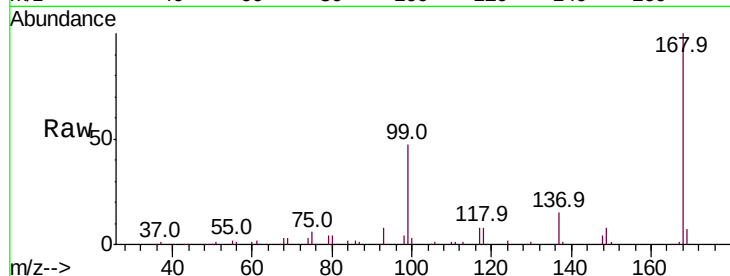




#36
 1,1-Dichloropropene
 Concen: 4.533 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056039.D
 Acq: 6 Jun 2019 12:24

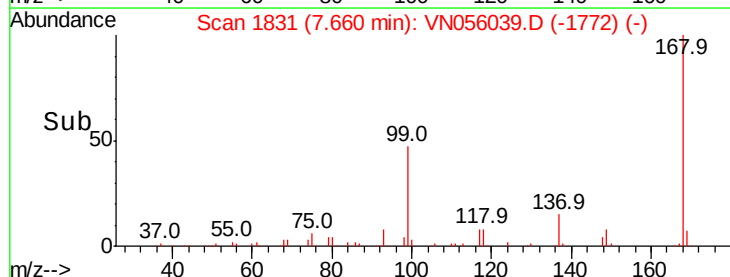
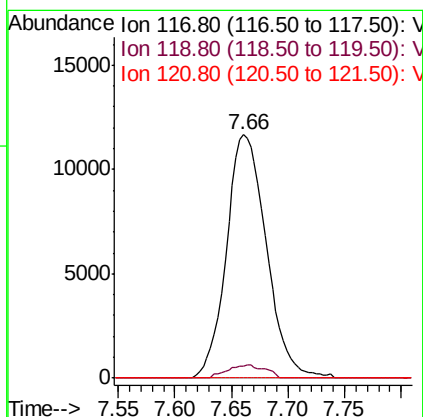
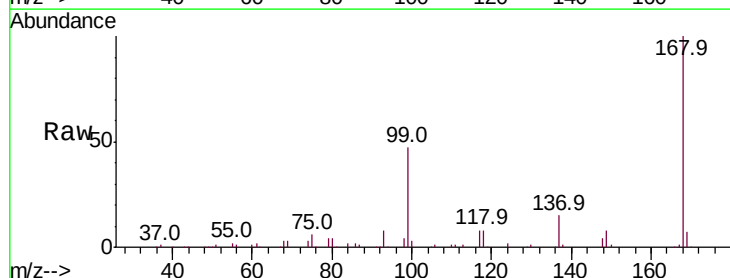
Instrument :
 MSVOA_N
 ClientSampleId :
 LF014RW132-190603

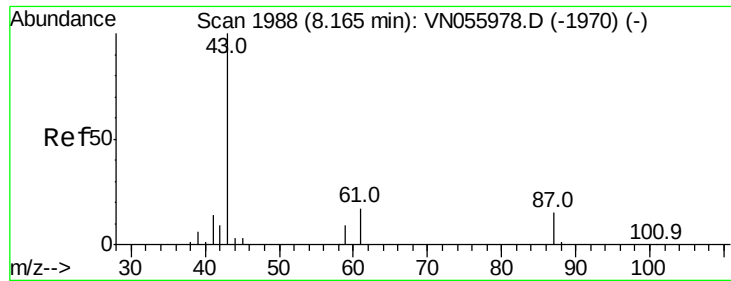
Tot Ion	75	Resp	20977
Ion Ratio	100	Lower	Upper
75	100		
110	7.9	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.717 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056039.D
 Acq: 6 Jun 2019 12:24

Tgt Ion	117	Resp	28656
Ion Ratio	100	Lower	Upper
117	100		
119	5.1	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.563 ug/l

RT: 8.31 min Scan# 2034

Delta R.T. 0.15 min

Lab File: VN056039.D

Acq: 6 Jun 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

LF014RW132-190603

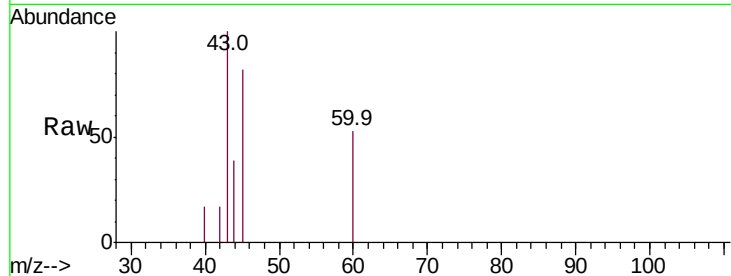
Tot Ion: 43 Resp: 3756

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

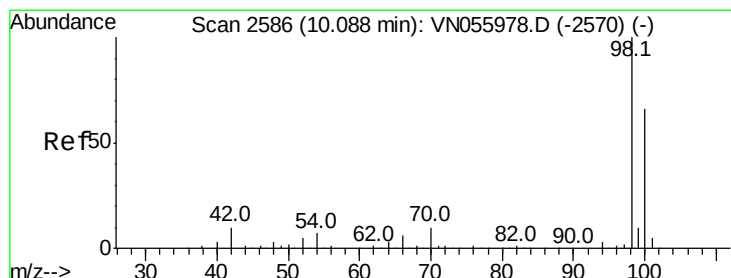
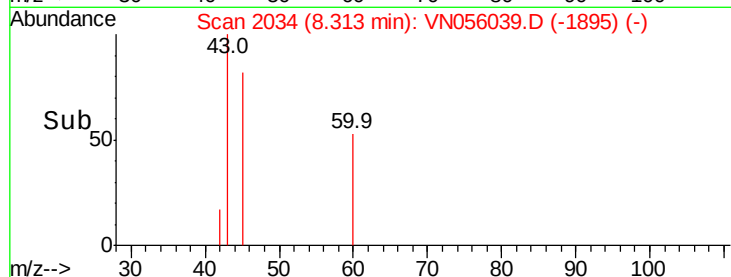
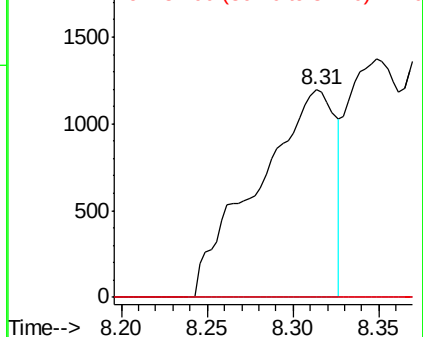
87 0.0 11.4 17.2#



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



#50

Toluene-d8

Concen: 54.848 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056039.D

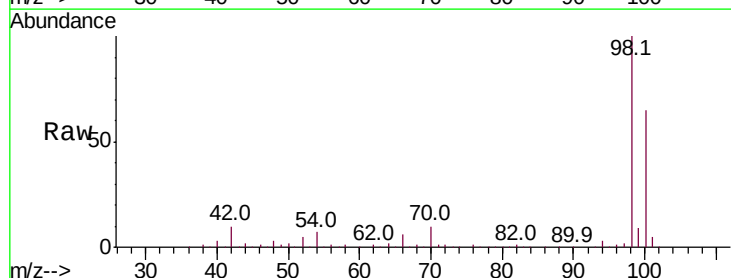
Acq: 6 Jun 2019 12:24

Tgt Ion: 98 Resp: 696820

Ion Ratio Lower Upper

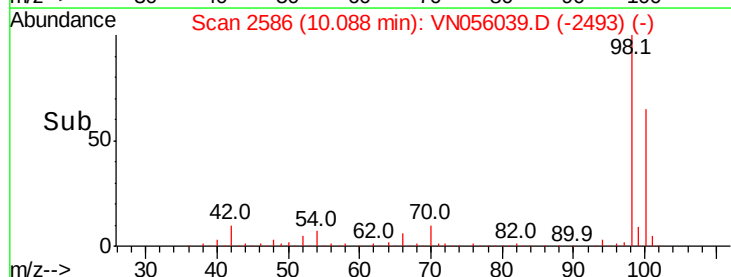
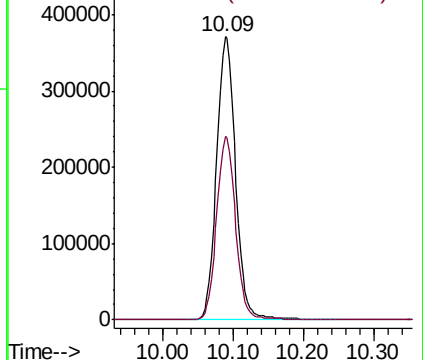
98 100

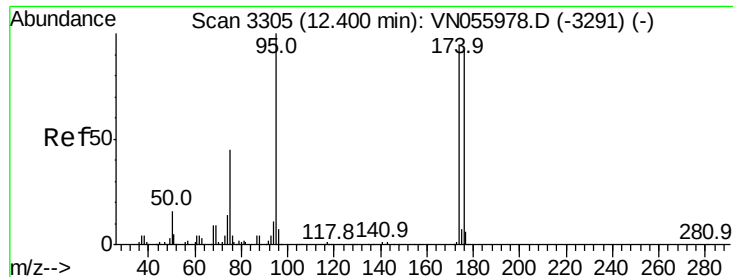
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.158 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056039.D

Acq: 6 Jun 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

LF014RW132-190603

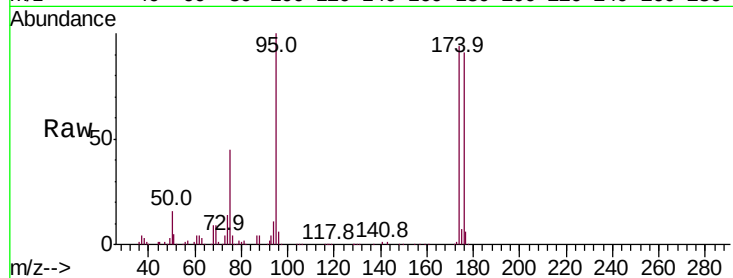
Tot Ion: 95 Resp: 216710

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.0

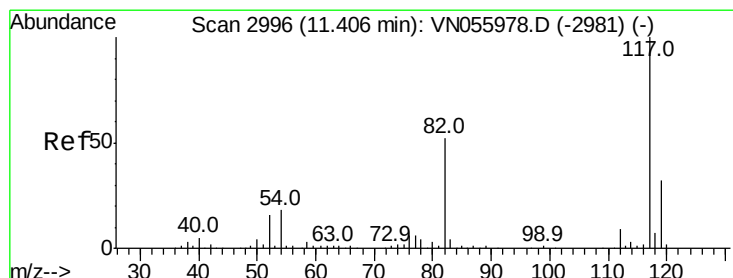
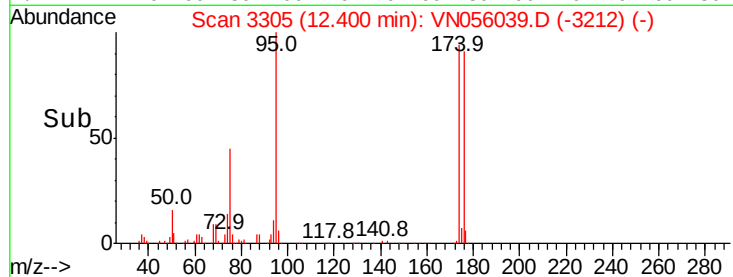
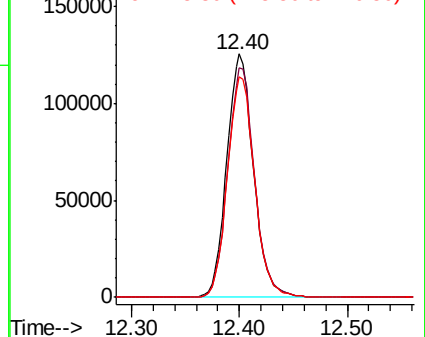
176 91.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056039.D

Acq: 6 Jun 2019 12:24

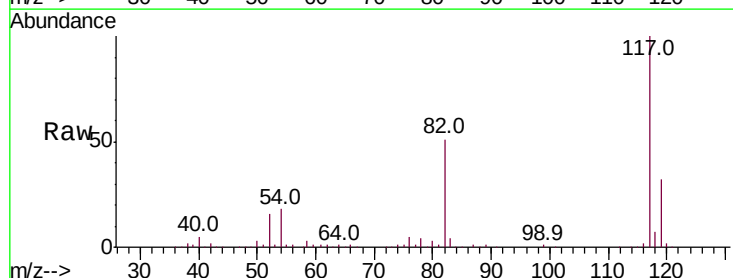
Tgt Ion: 117 Resp: 502234

Ion Ratio Lower Upper

117 100

82 51.5 41.8 62.8

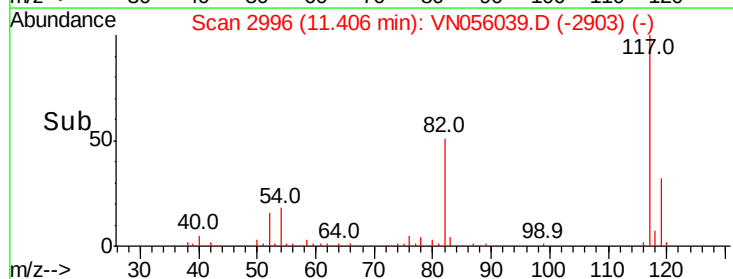
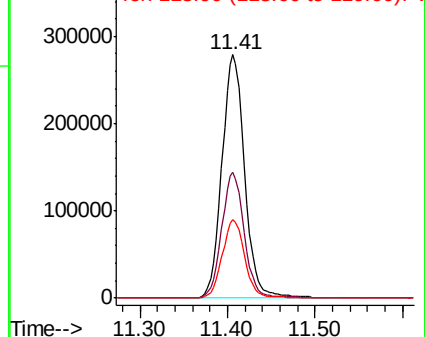
119 32.4 25.4 38.0

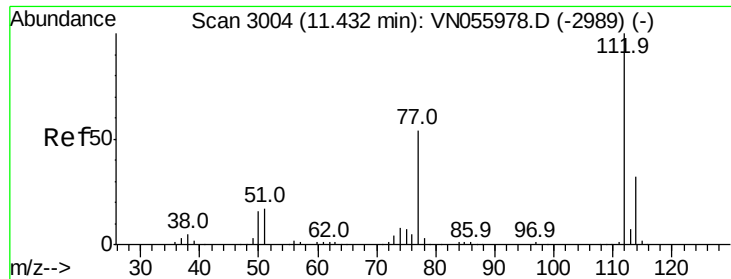


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

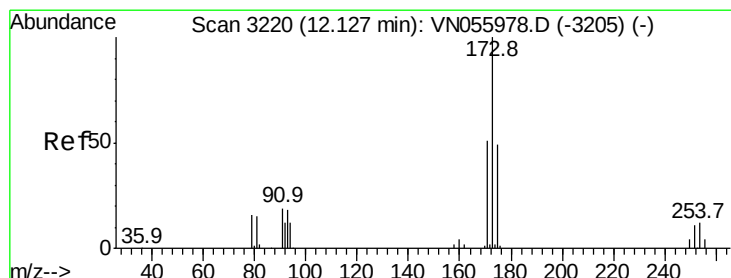
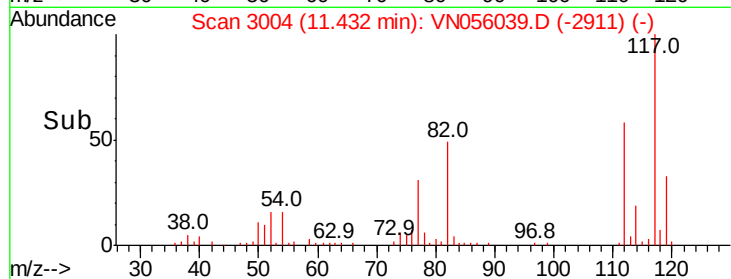
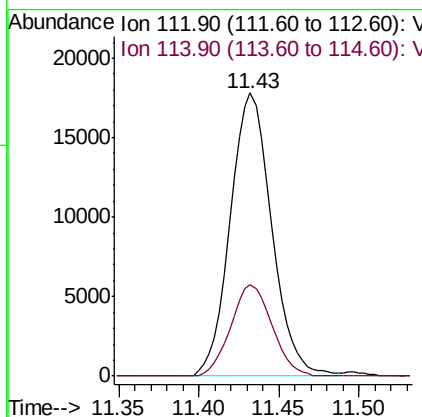
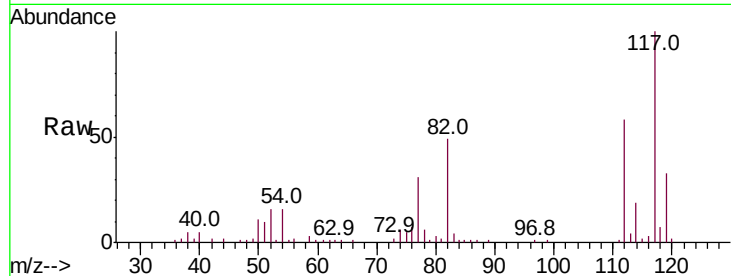




#65
Chlorobenzene
Concen: 3.144 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056039.D
Acq: 6 Jun 2019 12:24

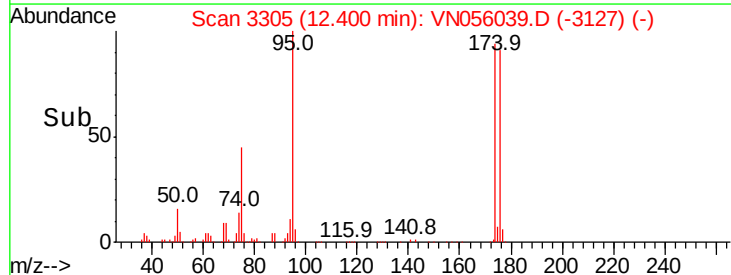
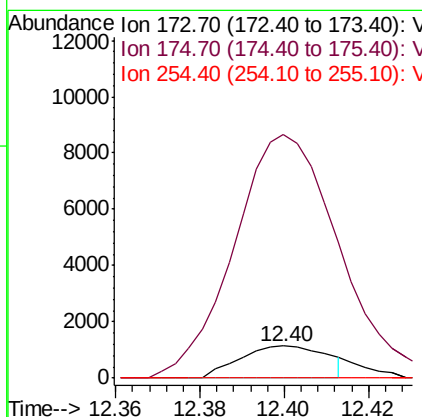
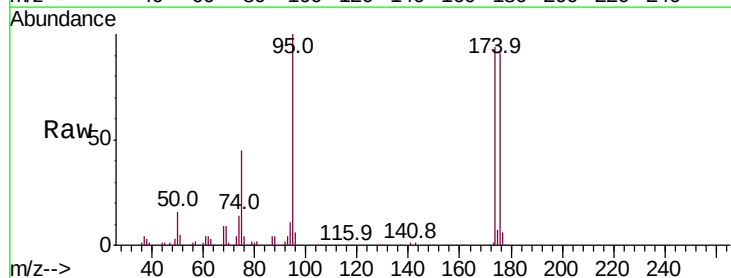
Instrument :
MSVOA_N
ClientSampleId :
LF014RW132-190603

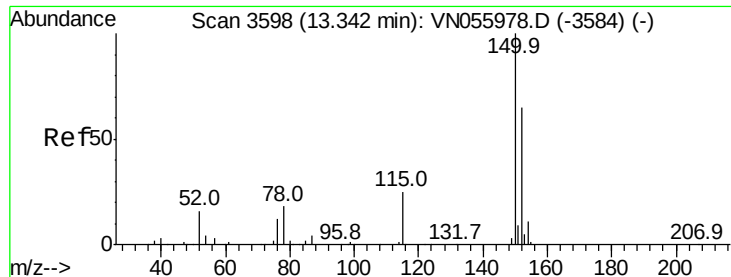
Tot Ion:112 Resp: 31424
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4



#71
Bromoform
Concen: 3.277 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056039.D
Acq: 6 Jun 2019 12:24

Tgt Ion:173 Resp: 1641
Ion Ratio Lower Upper
173 100
175 795.1 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056039.D

Acq: 6 Jun 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

LF014RW132-190603

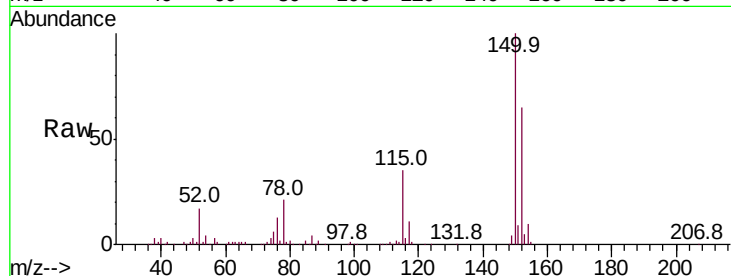
Tot Ion:152 Resp: 159768

Ion Ratio Lower Upper

152 100

115 53.2 27.0 81.0

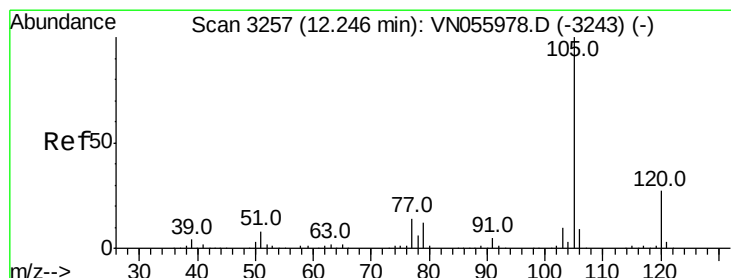
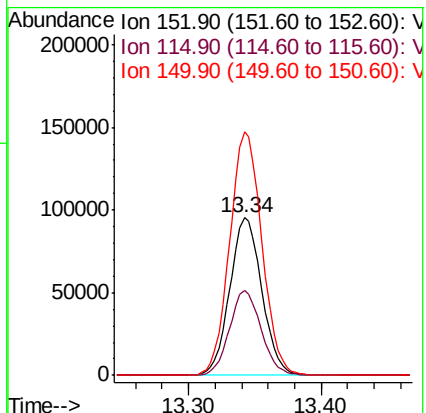
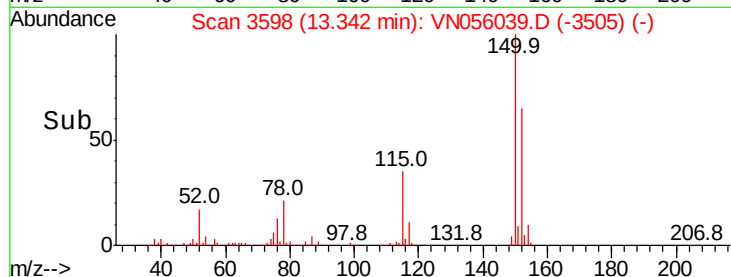
150 155.8 0.0 343.2



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: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056039.D

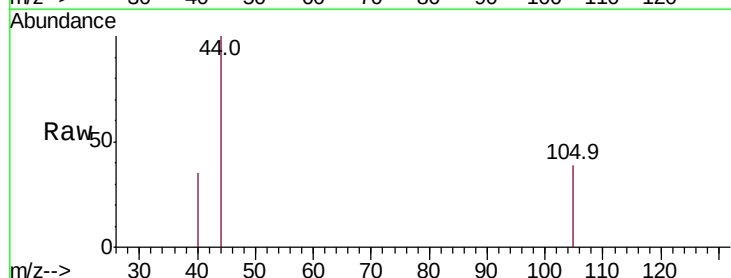
Acq: 6 Jun 2019 12:24

Tgt Ion:105 Resp: 116

Ion Ratio Lower Upper

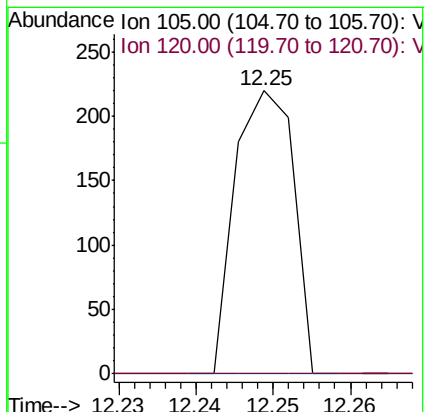
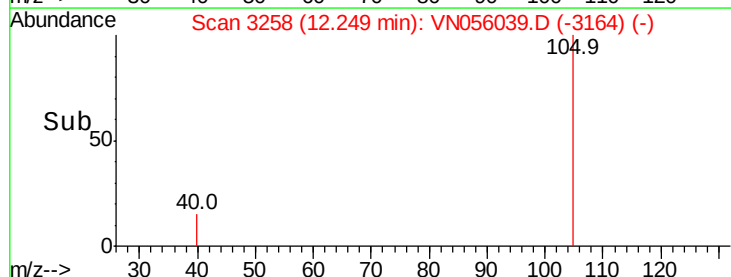
105 100

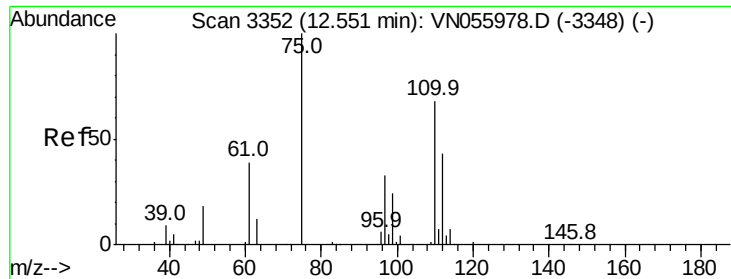
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

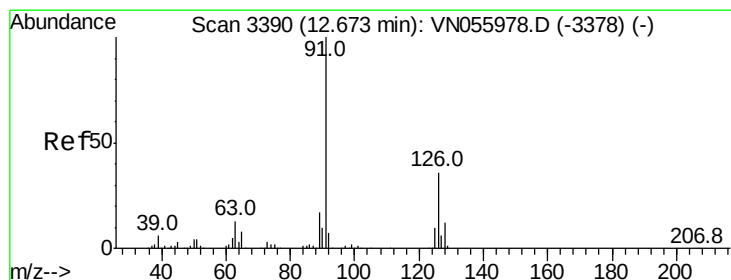
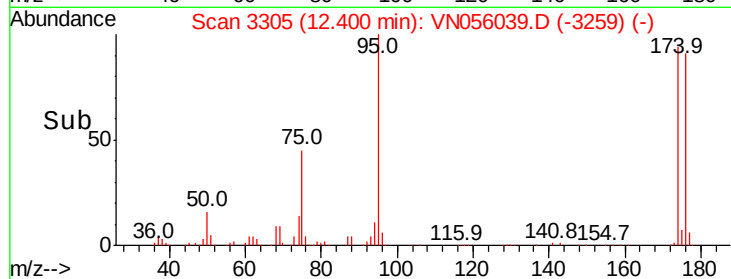
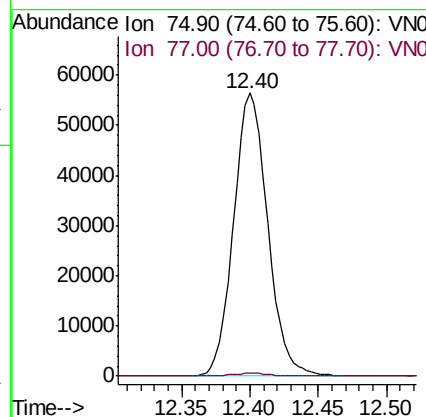
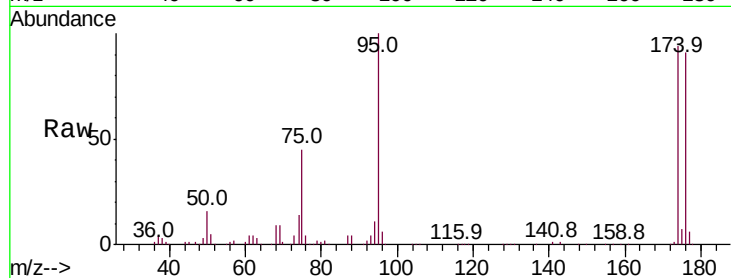




#76
 1,2,3-Trichloropropane
 Concen: 33.323 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056039.D
 Acq: 6 Jun 2019 12:24

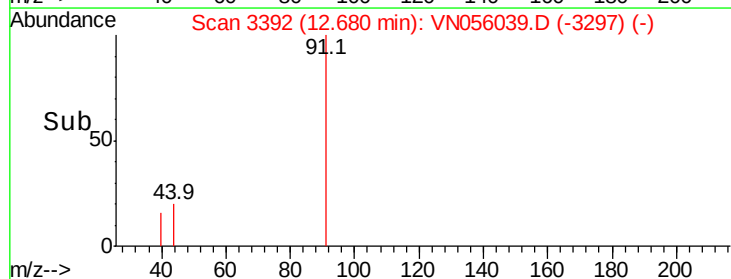
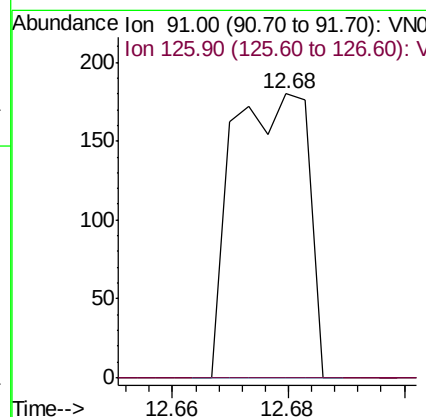
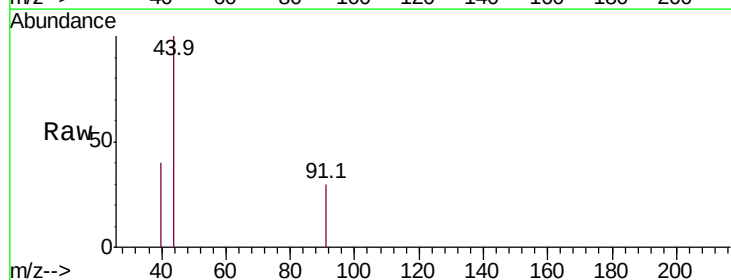
Instrument :
 MSVOA_N
 ClientSampleId :
 LF014RW132-190603

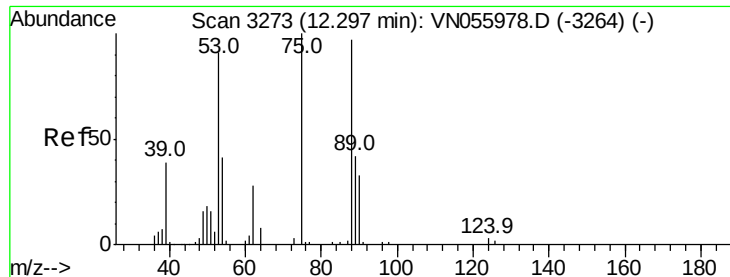
Tot Ion: 75 Resp: 97962
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VN056039.D
 Acq: 6 Jun 2019 12:24

Tgt Ion: 91 Resp: 163
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.971 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056039.D

Acq: 6 Jun 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

LF014RW132-190603

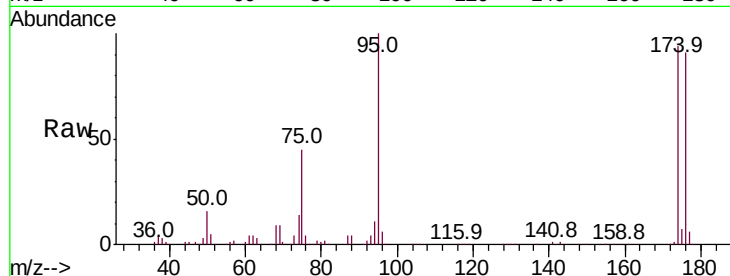
Tot Ion: 75 Resp: 97962

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

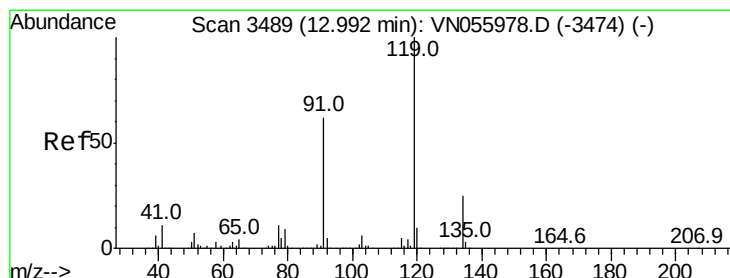
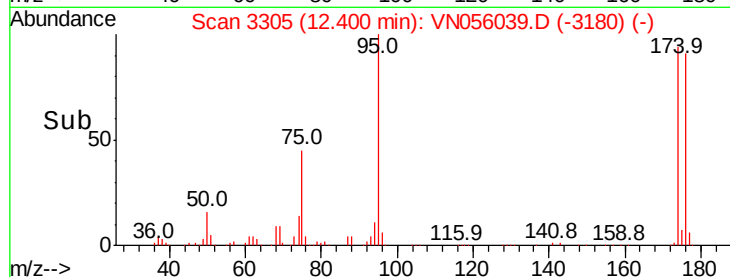
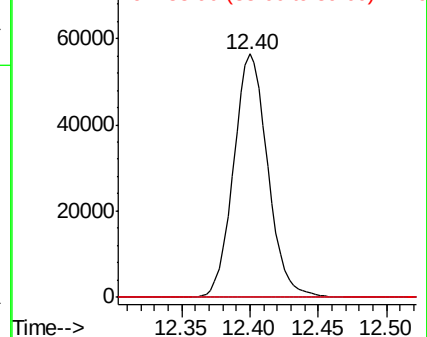
89 0.0 36.9 55.3#



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



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3492

Delta R.T. 0.01 min

Lab File: VN056039.D

Acq: 6 Jun 2019 12:24

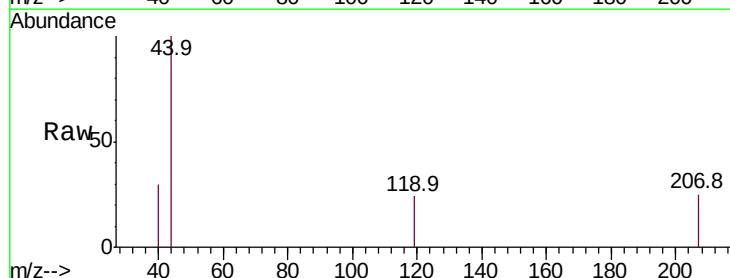
Tgt Ion: 119 Resp: 30

Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

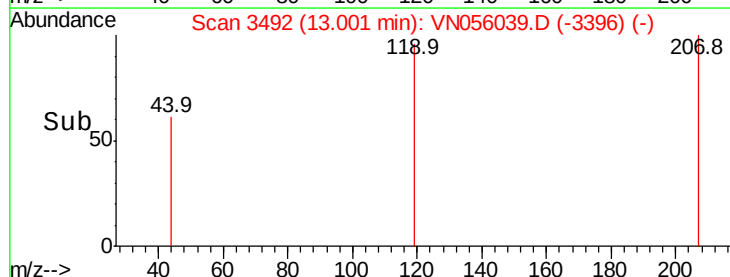
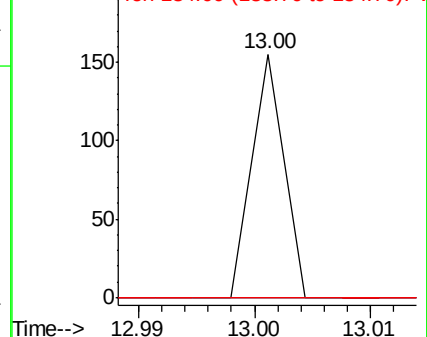
134 0.0 13.3 39.8#

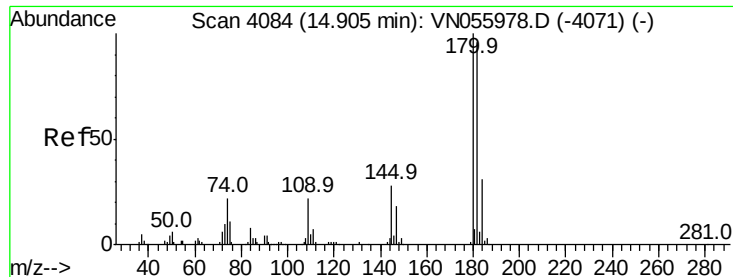


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#93

1,2,4-Trichlorobenzene

Concen: 4.346 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056039.D

Acq: 6 Jun 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

LF014RW132-190603

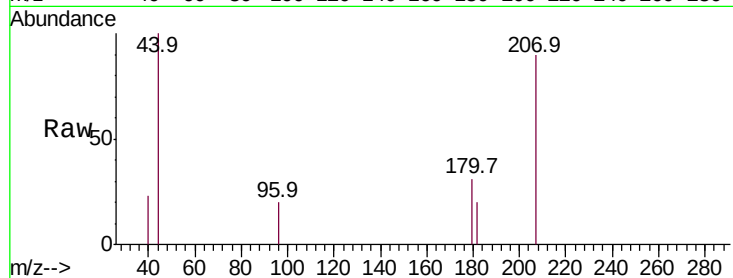
Tot Ion:180 Resp: 247

Ion Ratio Lower Upper

180 100

182 75.7 48.3 144.9

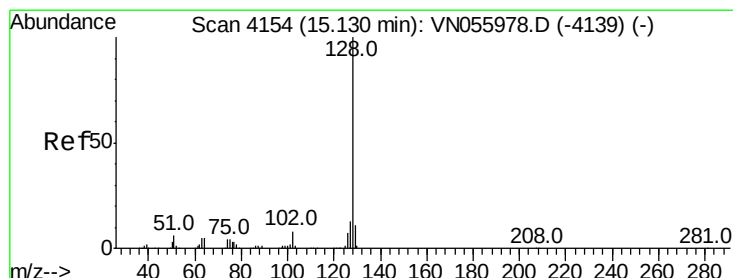
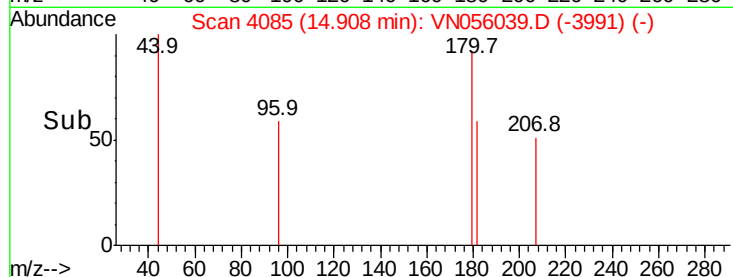
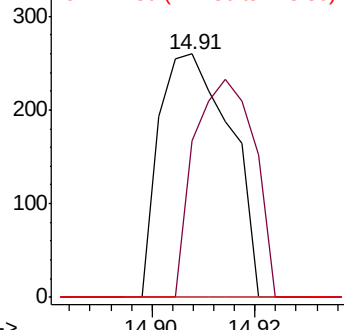
145 0.0 14.0 41.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 3.943 ug/l

RT: 15.15 min Scan# 4159

Delta R.T. 0.02 min

Lab File: VN056039.D

Acq: 6 Jun 2019 12:24

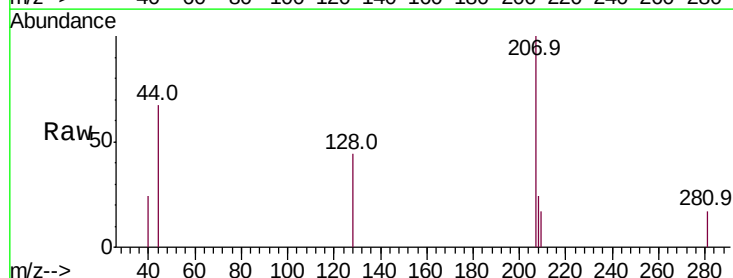
Tgt Ion:128 Resp: 760

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

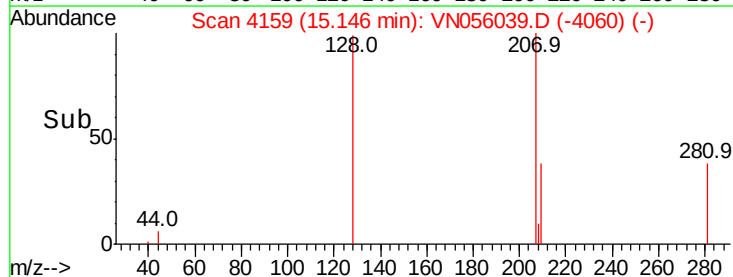
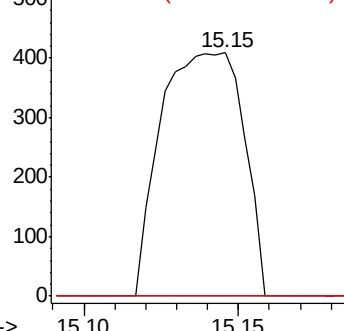
129 0.0 8.7 13.1#

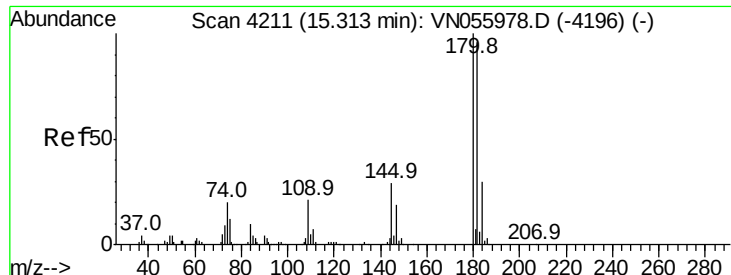


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 3.122 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN056039.D

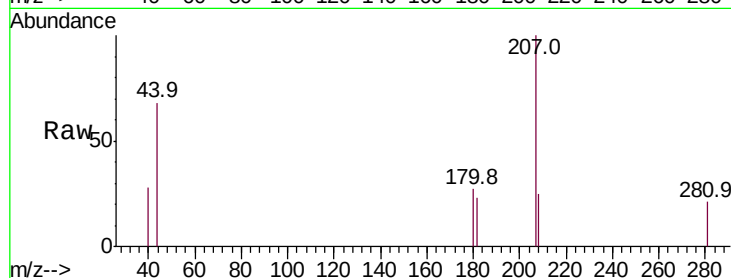
Acq: 6 Jun 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

LF014RW132-190603



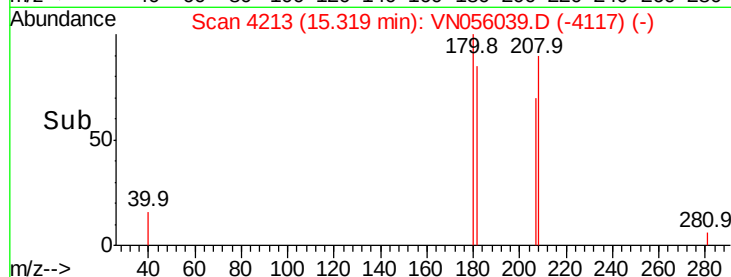
Tot Ion:180 Resp: 291

Ion Ratio Lower Upper

180 100

182 110.7 47.9 143.7

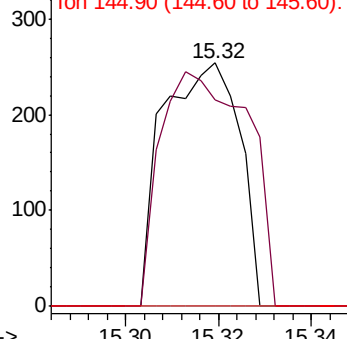
145 0.0 14.9 44.7#



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



Time-->