

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056740.D
 Acq On : 16 Jul 2019 2:54
 Operator : JC/SP
 Sample : K3814-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY030LC058-SW-190712

Quant Time: Jul 16 04:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	268733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	476462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197321	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	154563	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	7.59	113	141213	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
50) Toluene-d8	10.09	98	593772	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.40	95	219738	56.90	ug/l	0.00
Spiked Amount			Recovery	=	113.80%	

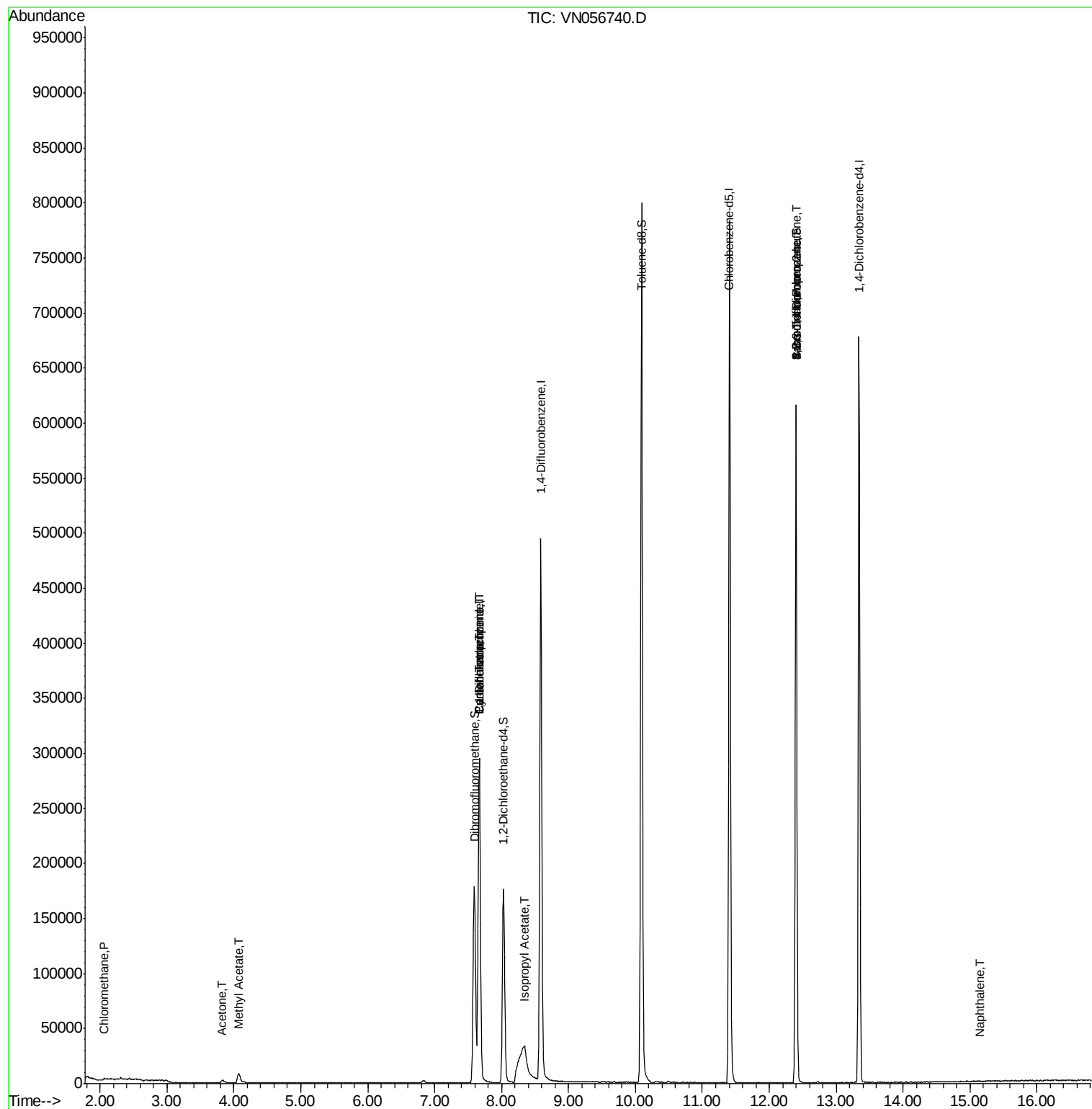
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1050	0.309	ug/l #	84
16) Acetone	3.82	43	2978	2.174	ug/l	96
18) Methyl Acetate	4.07	43	4412	0.470	ug/l #	52
31) Cyclohexane	7.66	56	3874	0.815	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17112	3.881	ug/l #	48
38) Carbon Tetrachloride	7.67	117	23626	5.714	ug/l #	15
43) Isopropyl Acetate	8.33	43	95162	13.930	ug/l #	54
71) Bromoform	12.40	173	1629	0.575	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	101523	23.524	ug/l #	100
79) 2-Chlorotoluene	12.59	91	106	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	101523	72.650	ug/l #	13
95) Naphthalene	15.14	128	267	4.549	ug/l #	69

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

Instrument :

MSVOA_N

ClientSampleId :

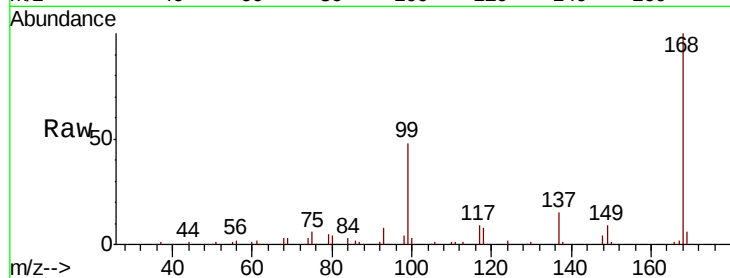
KY030LC058-SW-190712

Tot Ion:168 Resp: 268733

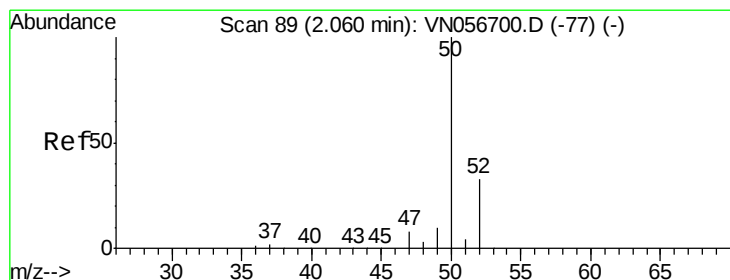
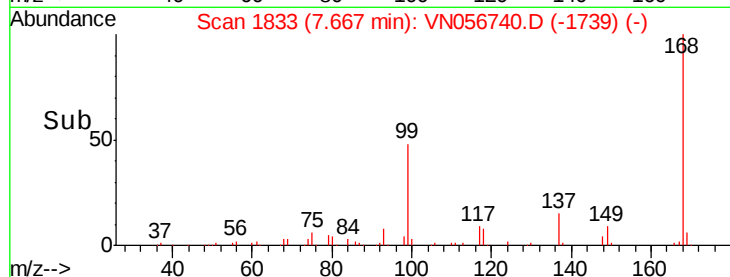
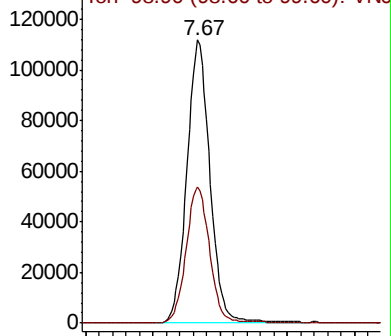
Ion Ratio Lower Upper

168 100

99 47.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056740.D (-1739) (-)



#3

Chloromethane

Concen: 0.309 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056740.D

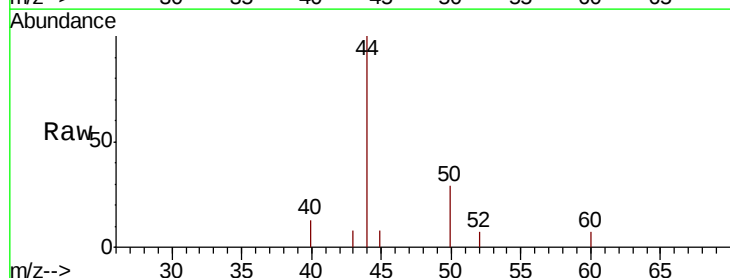
Acq: 16 Jul 2019 2:54

Tgt Ion: 50 Resp: 1050

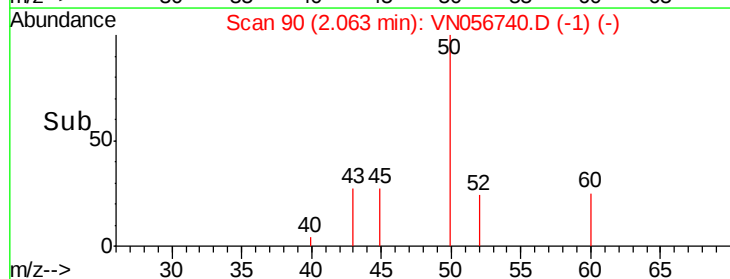
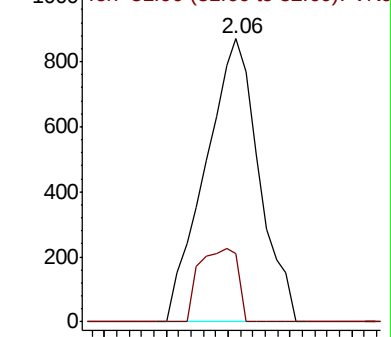
Ion Ratio Lower Upper

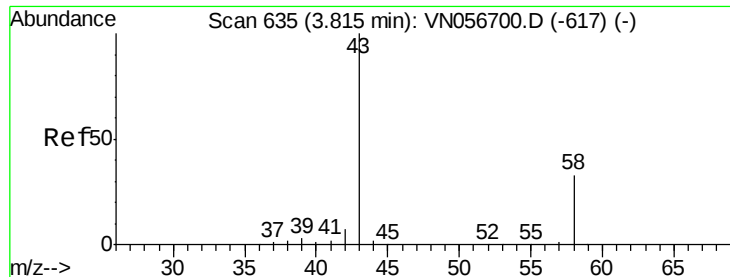
50 100

52 24.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN056740.D (-1) (-)





#16

Acetone

Concen: 2.174 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

Instrument :

MSVOA_N

ClientSampleId :

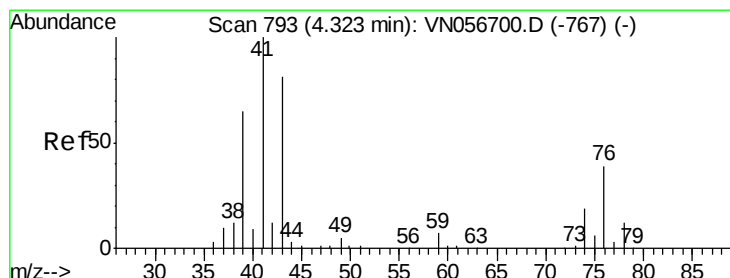
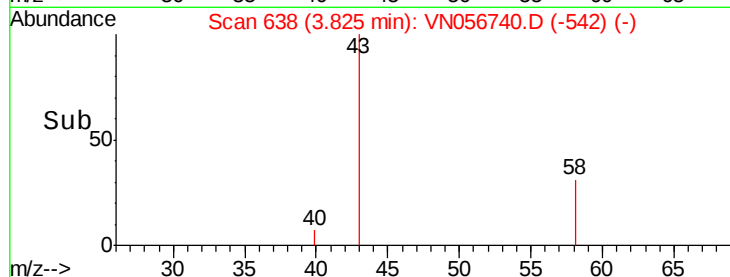
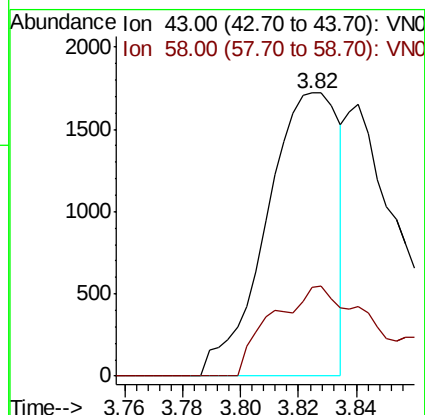
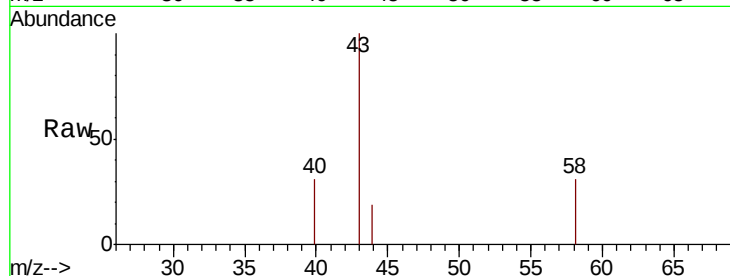
KY030LC058-SW-190712

Tot Ion: 43 Resp: 2978

Ion Ratio Lower Upper

43 100

58 31.3 26.7 40.1



#18

Methyl Acetate

Concen: 0.470 ug/l

RT: 4.07 min Scan# 715

Delta R.T. -0.25 min

Lab File: VN056740.D

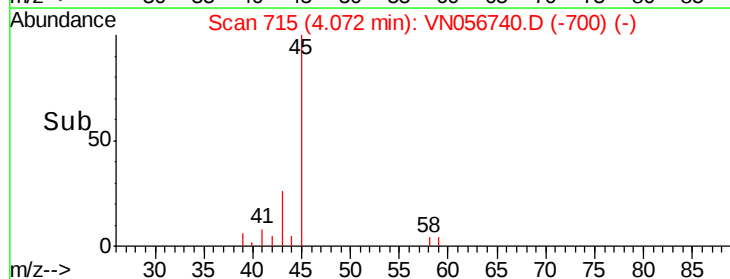
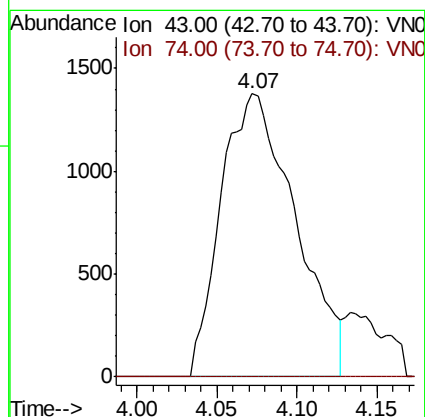
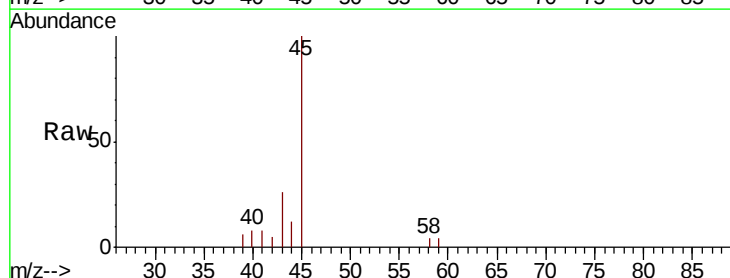
Acq: 16 Jul 2019 2:54

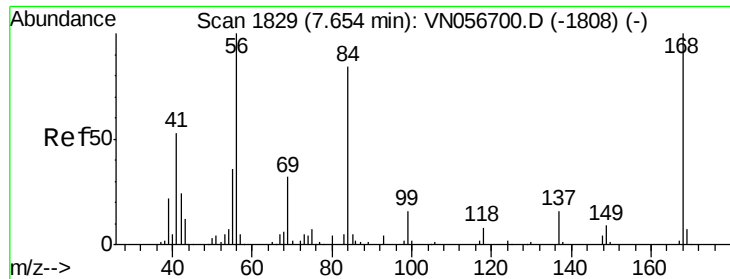
Tgt Ion: 43 Resp: 4412

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#

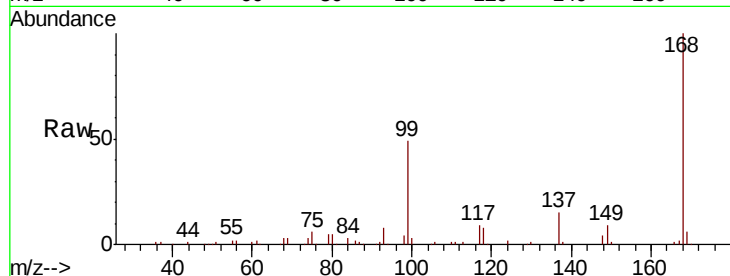




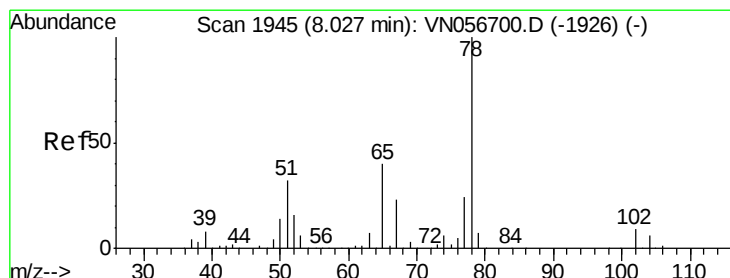
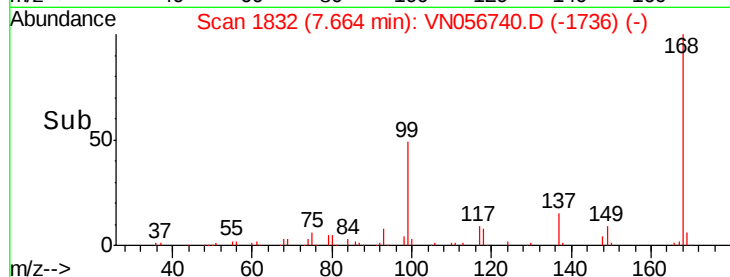
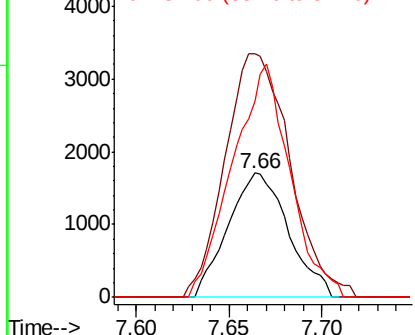
#31
Cyclohexane
Concen: 0.815 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056740.D
Acq: 16 Jul 2019 2:54

Instrument :
MSVOA_N
ClientSampleId :
KY030LC058-SW-190712

Tot Ion: 56 Resp: 3874
Ion Ratio Lower Upper
56 100
69 186.3 25.8 38.8#
84 157.4 67.4 101.0#

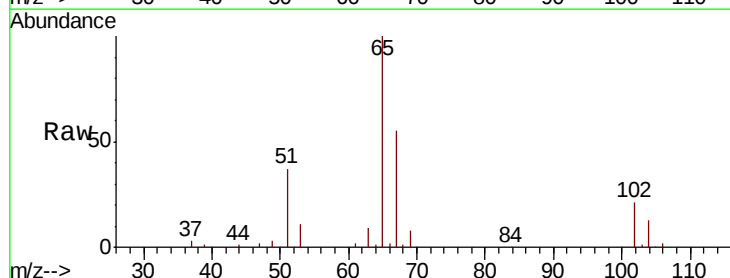


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

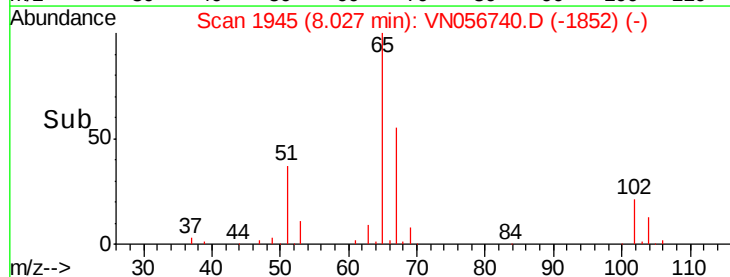
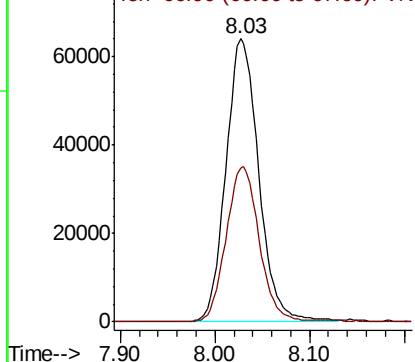


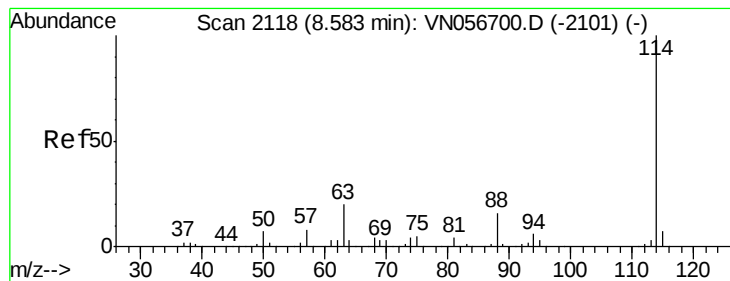
#33
1,2-Dichloroethane-d4
Concen: 51.997 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056740.D
Acq: 16 Jul 2019 2:54

Tgt Ion: 65 Resp: 154563
Ion Ratio Lower Upper
65 100
67 55.4 0.0 109.0



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: VN056740.D

Acq: 16 Jul 2019 2:54

Instrument :

MSVOA_N

ClientSampleId :

KY030LC058-SW-190712

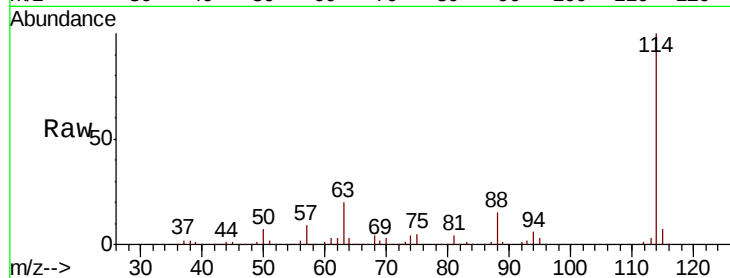
Tot Ion:114 Resp: 476462

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

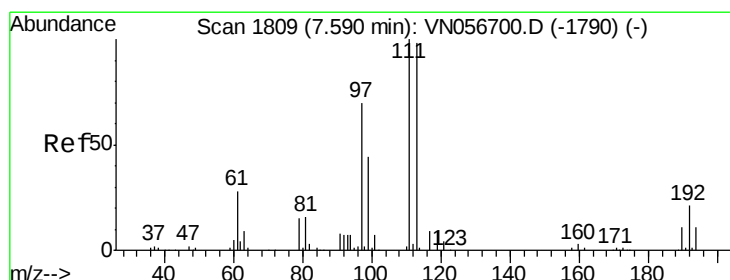
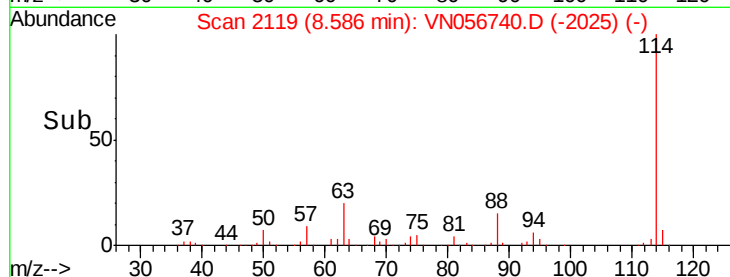
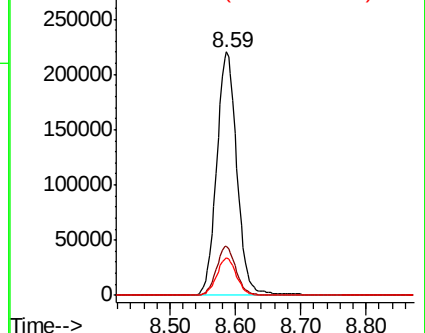
88 15.3 0.0 31.2



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: 47.625 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

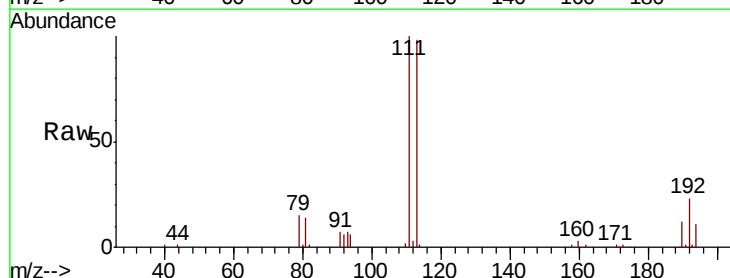
Tgt Ion:113 Resp: 141213

Ion Ratio Lower Upper

113 100

111 104.7 81.8 122.6

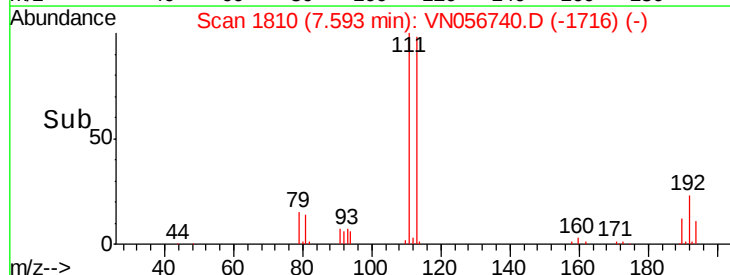
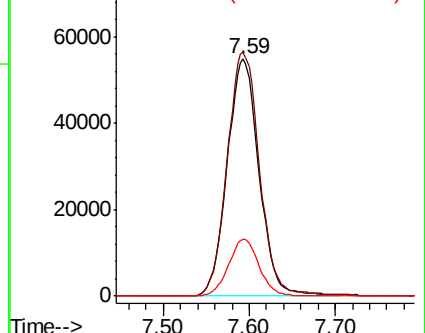
192 23.0 17.5 26.3

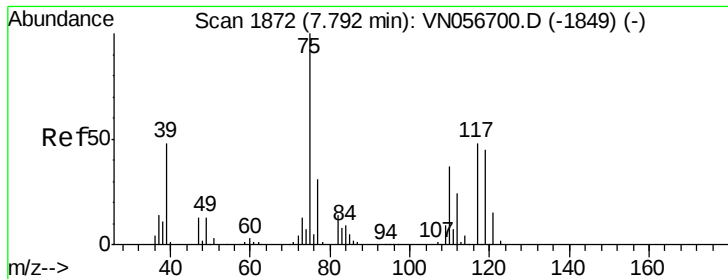


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

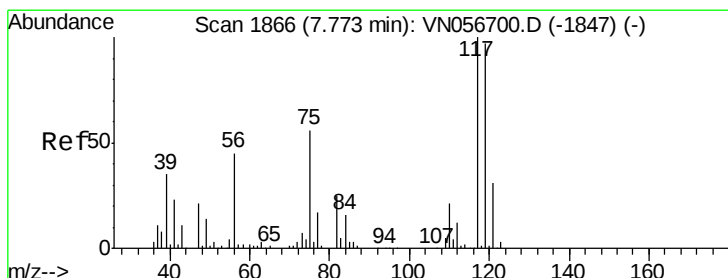
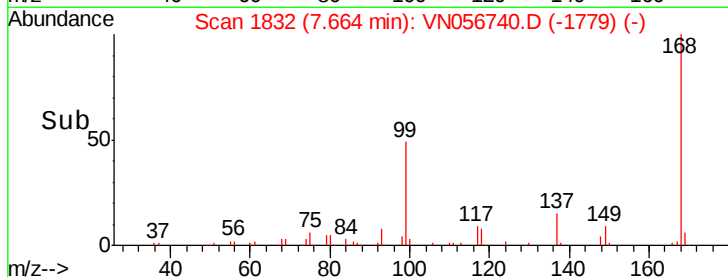
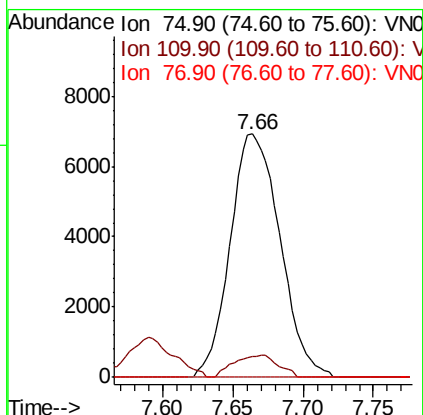
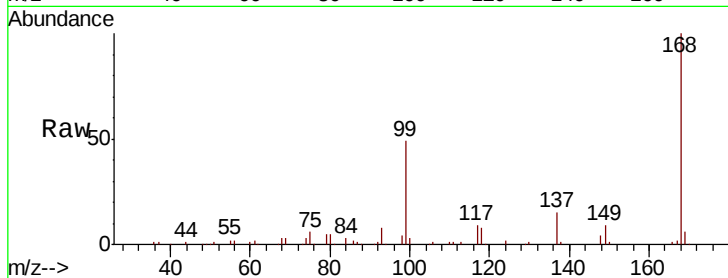




#36
 1,1-Dichloropropene
 Concen: 3.881 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056740.D
 Acq: 16 Jul 2019 2:54

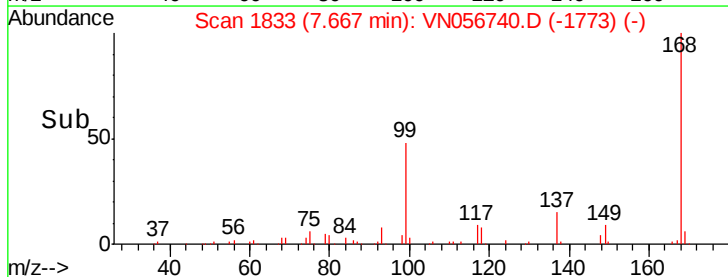
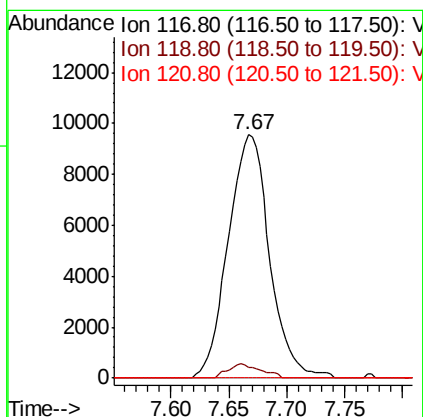
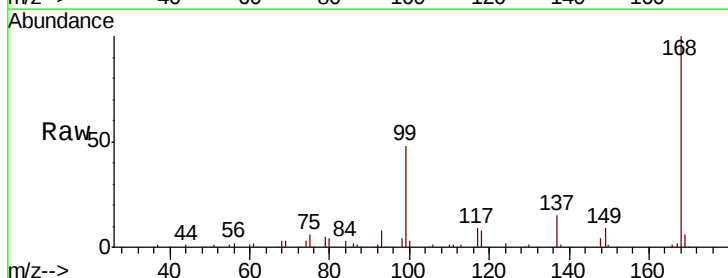
Instrument :
 MSVOA_N
 ClientSampleId :
 KY030LC058-SW-190712

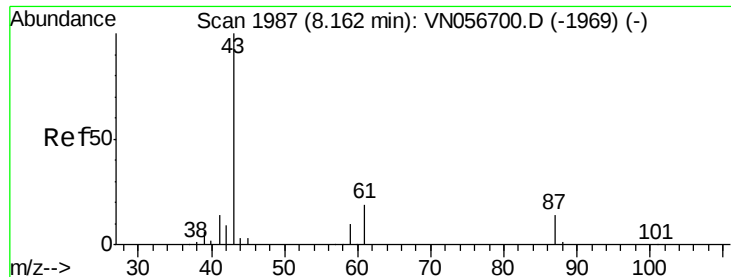
Tot Ion	75	Resp	17112
Ion Ratio	Lower	Upper	
75	100		
110	8.2	18.4	55.4#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.714 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN056740.D
 Acq: 16 Jul 2019 2:54

Tgt Ion	117	Resp	23626
Ion Ratio	Lower	Upper	
117	100		
119	4.5	77.5	116.3#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 13.930 ug/l

RT: 8.33 min Scan# 2040

Delta R.T. 0.17 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

Instrument :

MSVOA_N

ClientSampleId :

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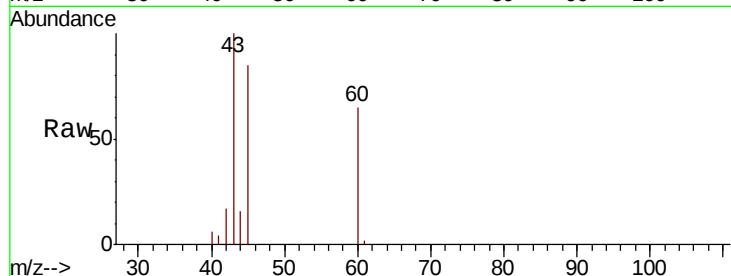
Tot Ion: 43 Resp: 95162

Ion Ratio Lower Upper

43 100

61 0.8 22.3 33.5#

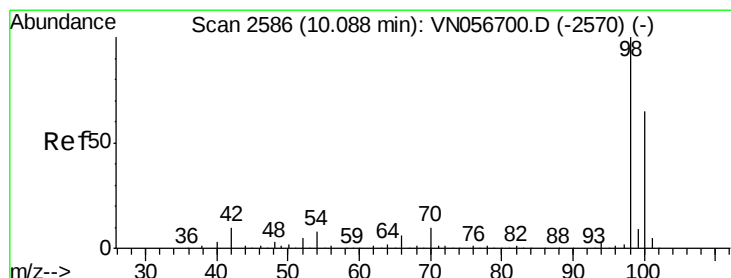
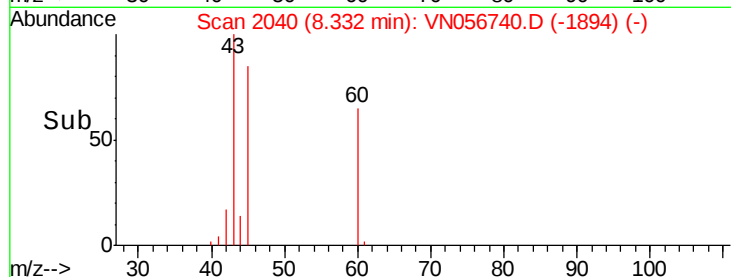
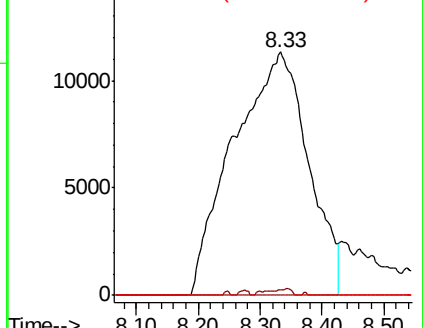
87 0.0 11.1 16.7#



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: 51.849 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056740.D

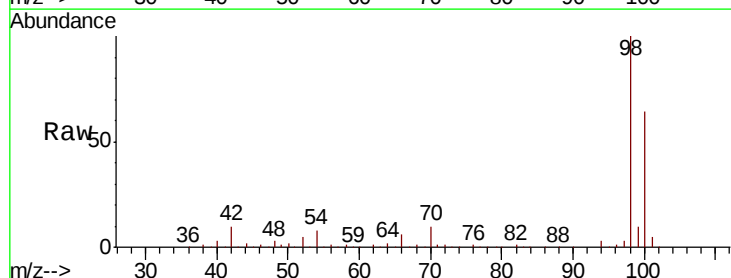
Acq: 16 Jul 2019 2:54

Tgt Ion: 98 Resp: 593772

Ion Ratio Lower Upper

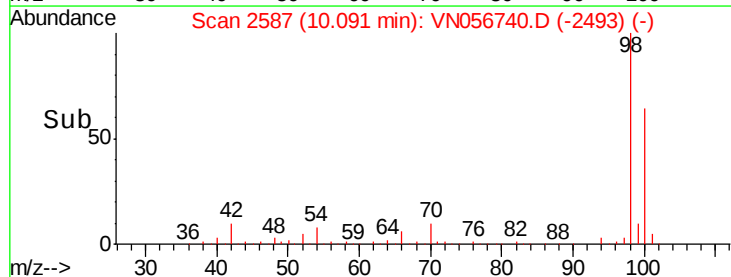
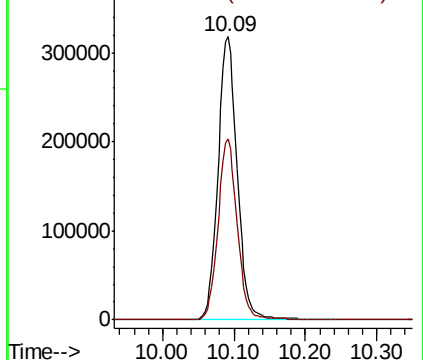
98 100

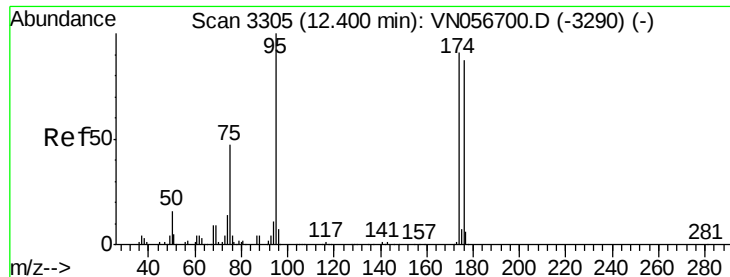
100 63.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 56.898 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

Instrument :

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ClientSampleId :

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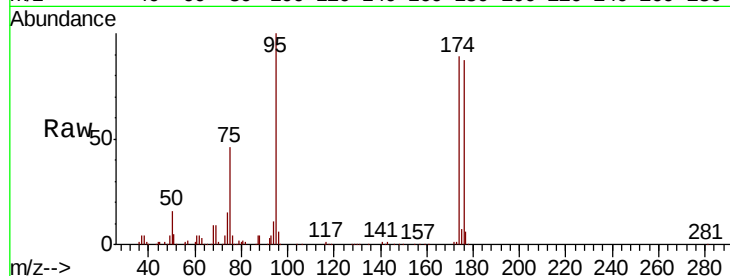
Tot Ion: 95 Resp: 219738

Ion Ratio Lower Upper

95 100

174 90.0 0.0 180.0

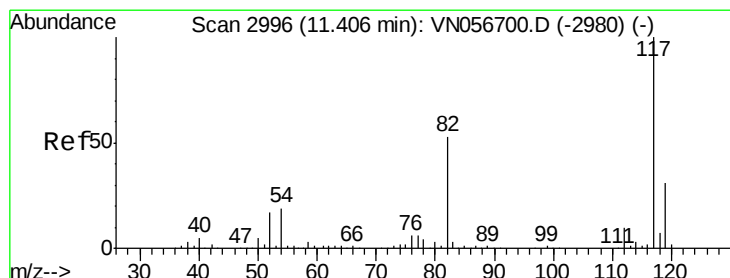
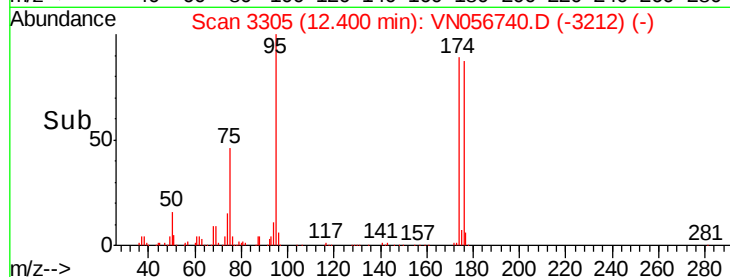
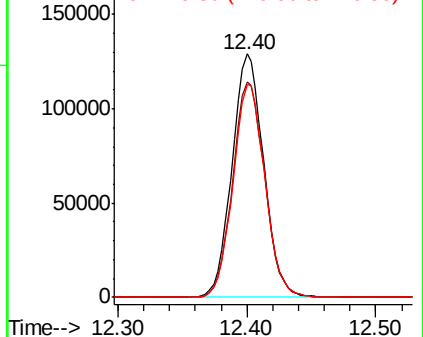
176 88.2 0.0 173.2



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: VN056740.D

Acq: 16 Jul 2019 2:54

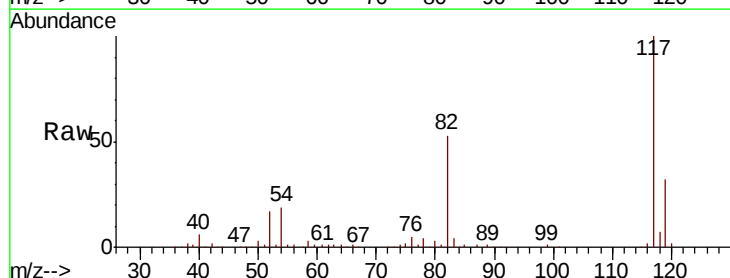
Tgt Ion: 117 Resp: 494882

Ion Ratio Lower Upper

117 100

82 53.1 42.2 63.2

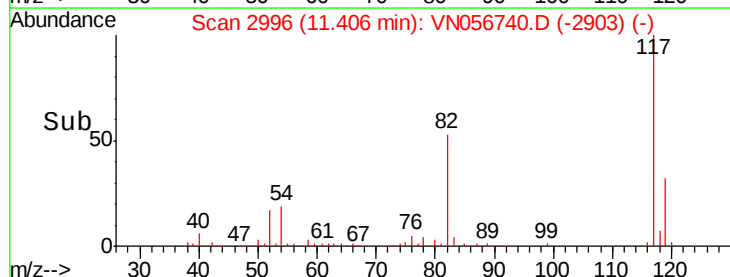
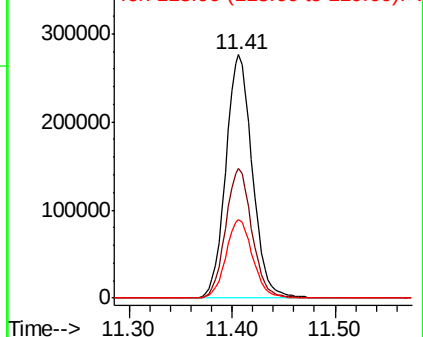
119 32.5 25.2 37.8

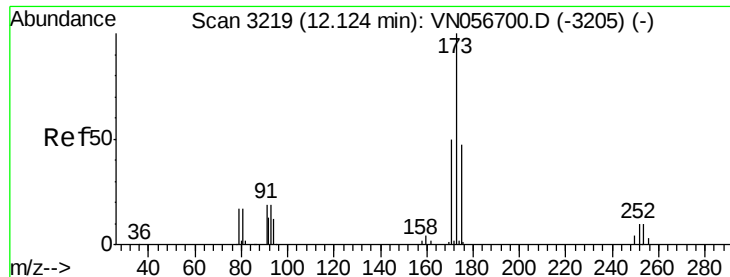


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.575 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

Instrument :

MSVOA_N

ClientSampleId :

KY030LC058-SW-190712

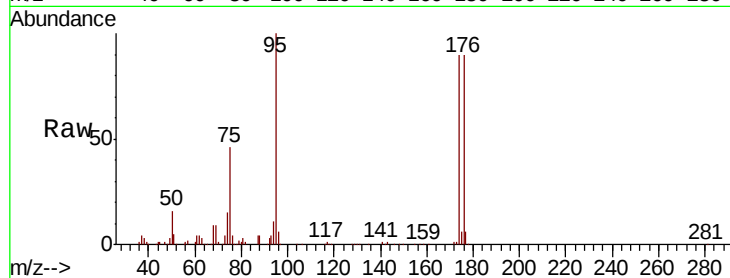
Tot Ion:173 Resp: 1629

Ion Ratio Lower Upper

173 100

175 705.5 23.8 71.4#

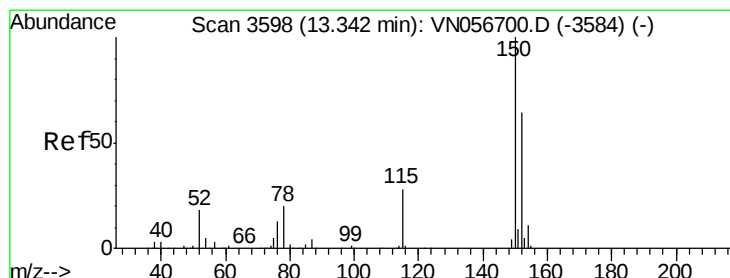
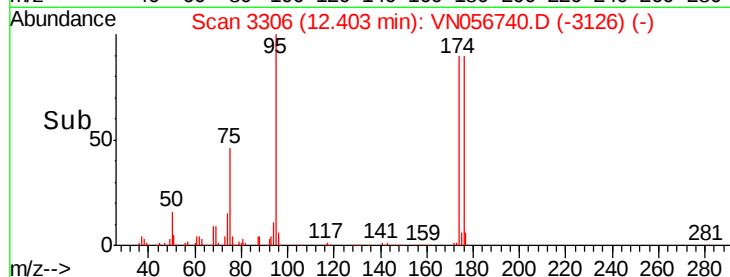
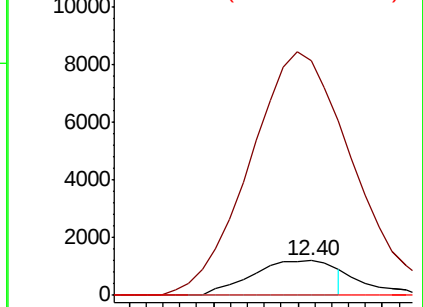
254 0.0 0.0 0.0



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: VN056740.D

Acq: 16 Jul 2019 2:54

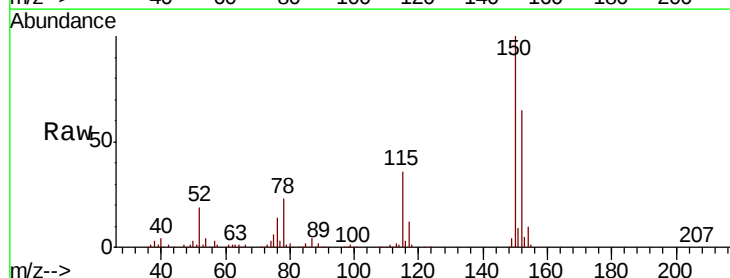
Tgt Ion:152 Resp: 197321

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

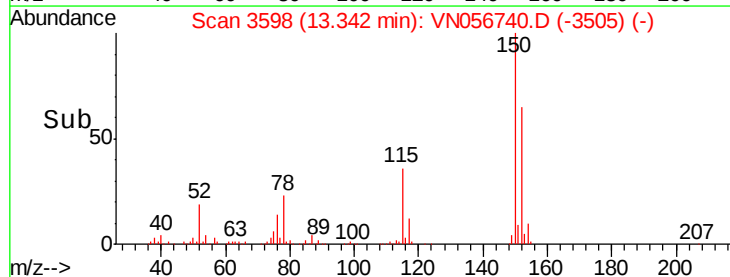
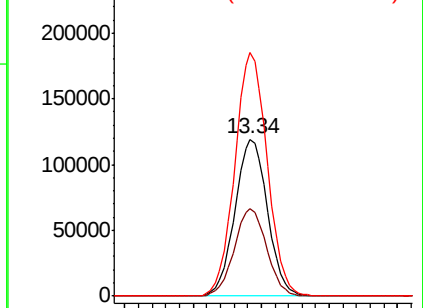
150 154.5 0.0 345.8

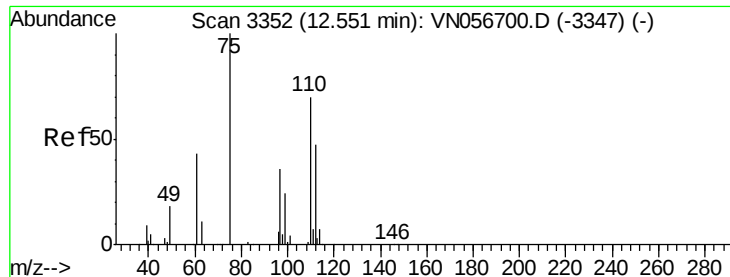


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.524 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

Instrument :

MSVOA_N

ClientSampleId :

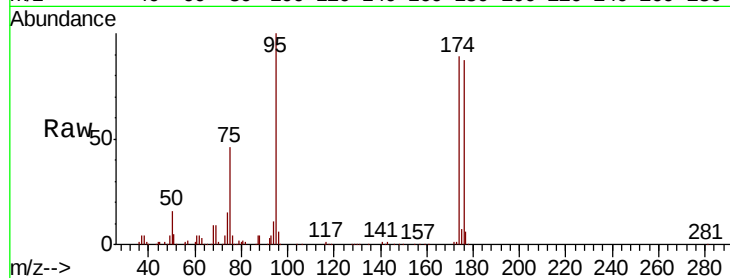
KY030LC058-SW-190712

Tot Ion: 75 Resp: 101523

Ion Ratio Lower Upper

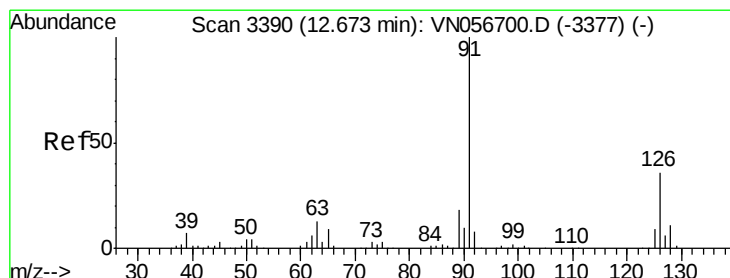
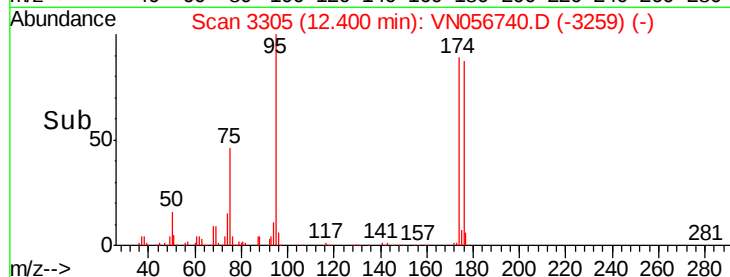
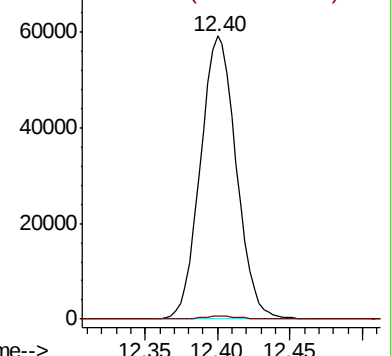
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056740.D

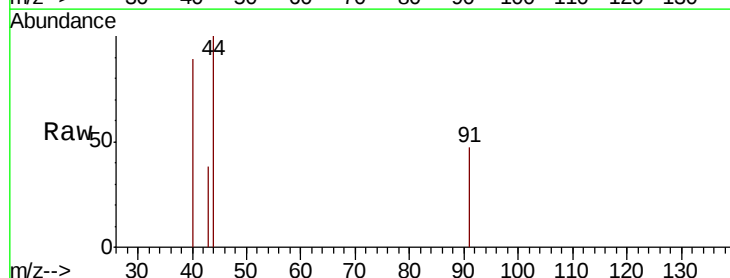
Acq: 16 Jul 2019 2:54

Tgt Ion: 91 Resp: 106

Ion Ratio Lower Upper

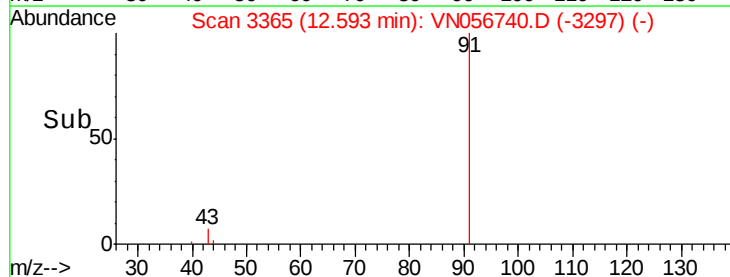
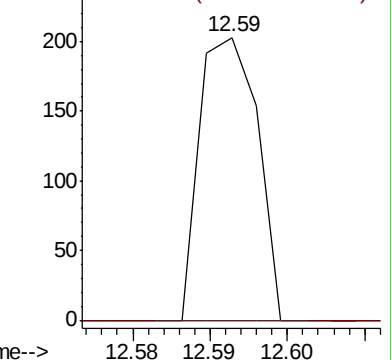
91 100

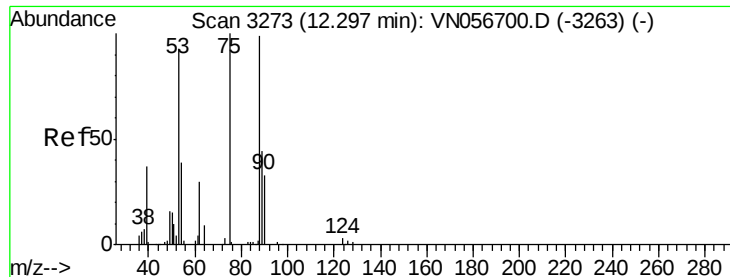
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.650 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

Instrument :

MSVOA_N

ClientSampleId :

KY030LC058-SW-190712

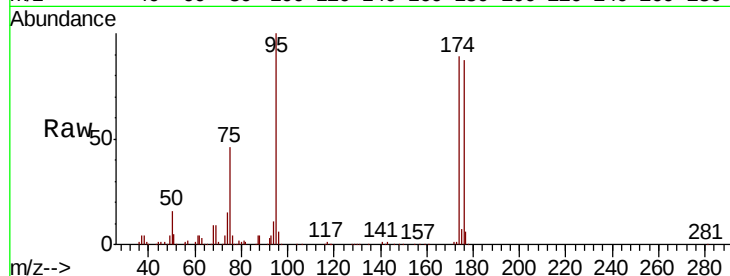
Tot Ion: 75 Resp: 101523

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

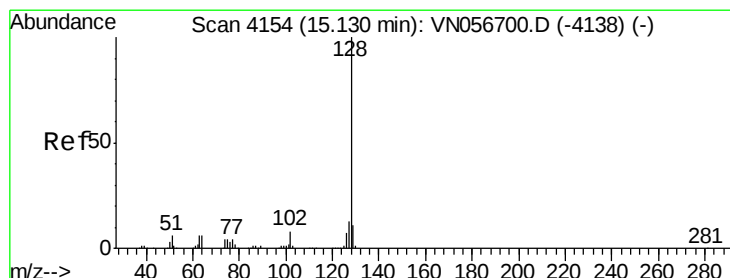
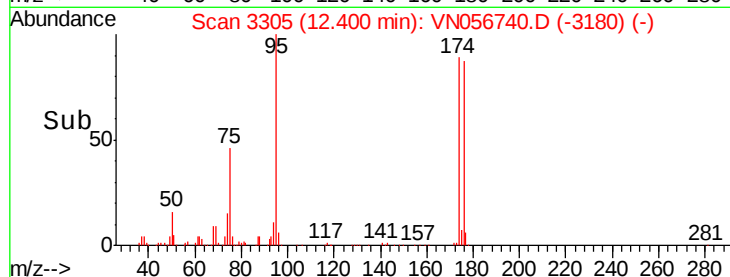
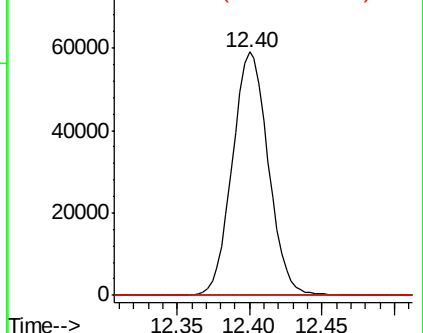
89 0.0 36.2 54.2#



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: 4.549 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056740.D

Acq: 16 Jul 2019 2:54

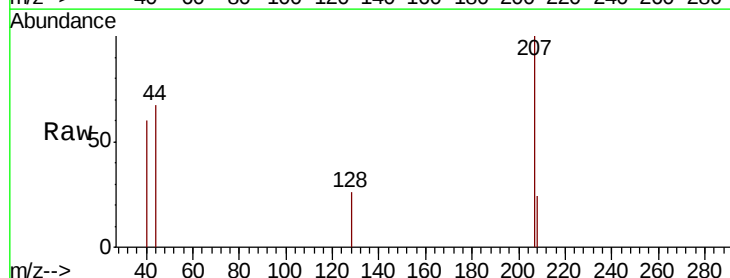
Tgt Ion: 128 Resp: 267

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

