

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059147.D
 Acq On : 11 Nov 2019 10:06
 Operator : JC/SP
 Sample : K5769-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LTM-TB05-SRI4

Quant Time: Nov 12 00:39:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	546159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	851230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	732610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	267252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	342389	51.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.00%	
35) Dibromofluoromethane	7.57	113	260481	51.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.50%	
50) Toluene-d8	10.08	98	1029689	51.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.40	95	330459	45.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.56%	

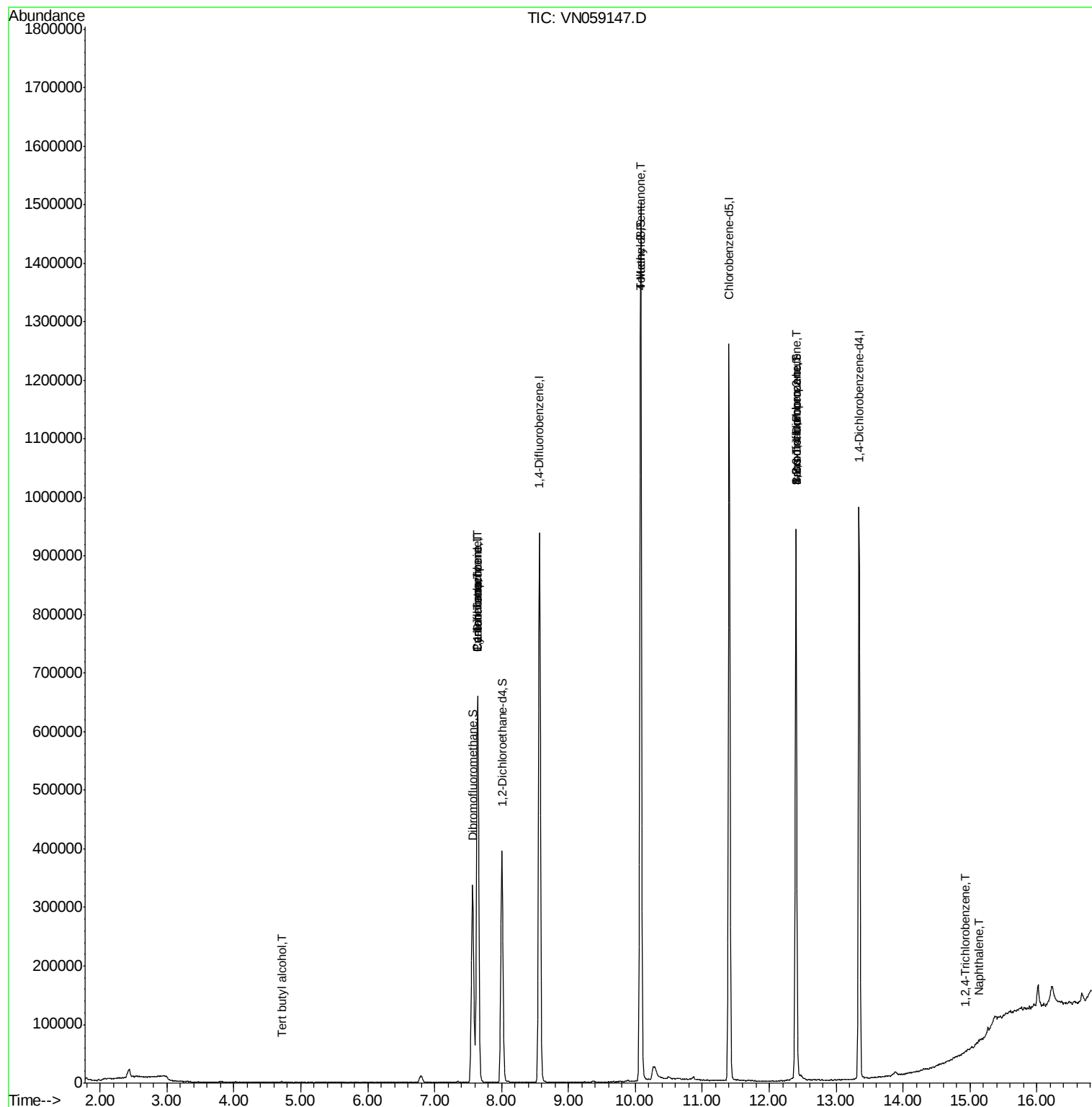
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	1382	1.080	ug/l #	72
31) Cyclohexane	7.64	56	10845	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	42333	5.321	ug/l #	49
38) Carbon Tetrachloride	7.64	117	52716	6.657	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	4765	0.597	ug/l #	1
71) Bromoform	12.40	173	1661	0.399	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	165803	27.250	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	165803	71.976	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	443	3.130	ug/l #	60
95) Naphthalene	15.13	128	1563	3.151	ug/l #	78

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

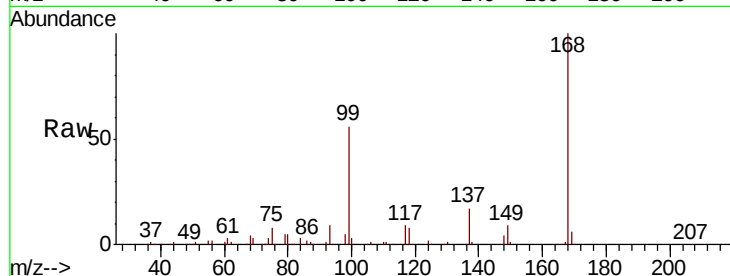
LTM-TB05-SRI4

Tot Ion:168 Resp: 546159

Ion Ratio Lower Upper

168 100

99 55.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

250000

200000

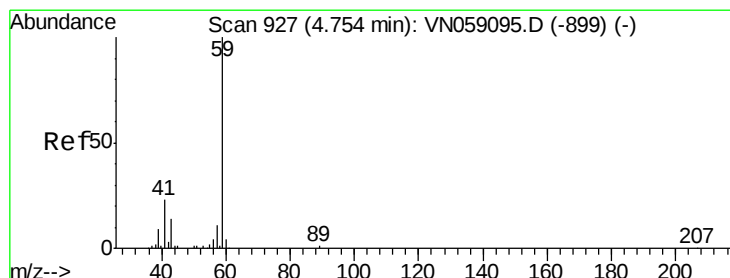
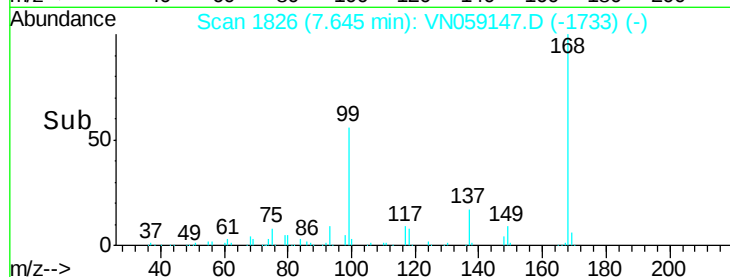
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 1.080 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.04 min

Lab File: VN059147.D

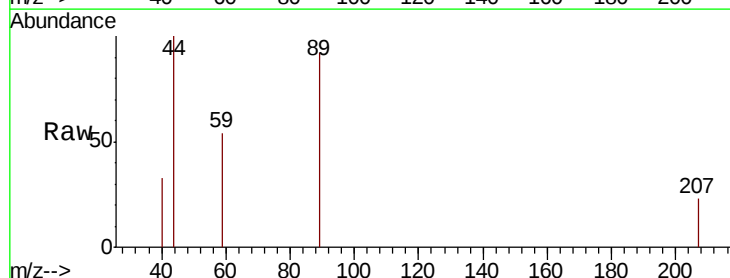
Acq: 11 Nov 2019 10:06

Tgt Ion: 59 Resp: 1382

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.71

500

400

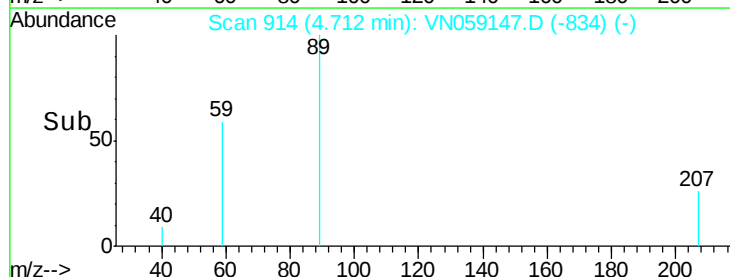
300

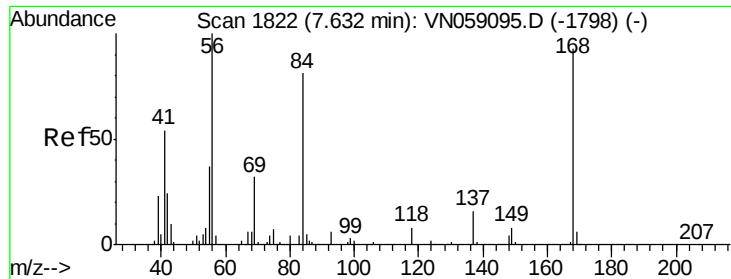
200

100

0

Time--> 4.65 4.70 4.75

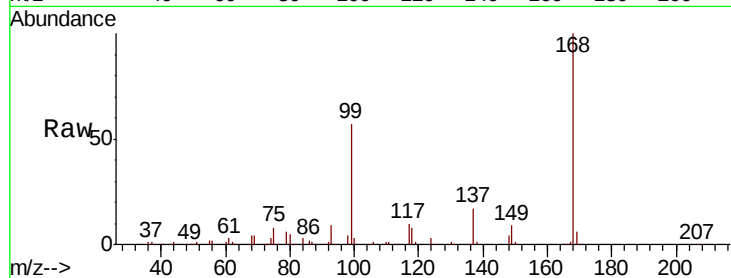




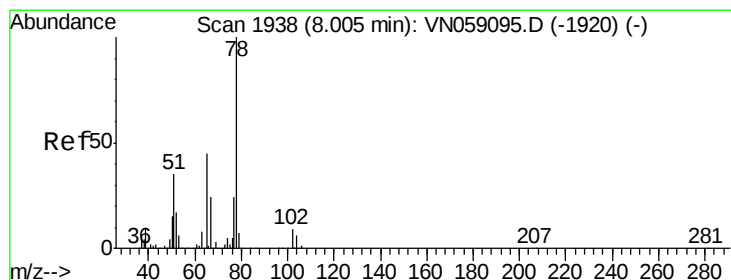
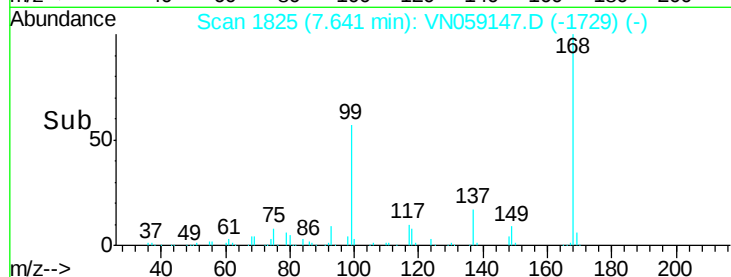
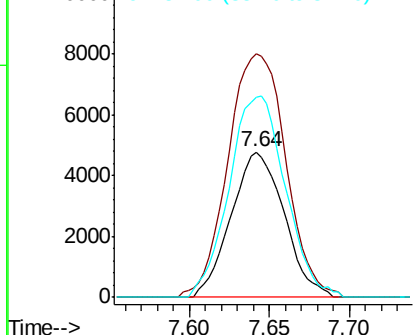
#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059147.D
Acq: 11 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
LTM-TB05-SRI4

Tot Ion: 56 Resp: 10845
Ion Ratio Lower Upper
56 100
69 163.6 25.8 38.8#
84 137.6 65.0 97.4#

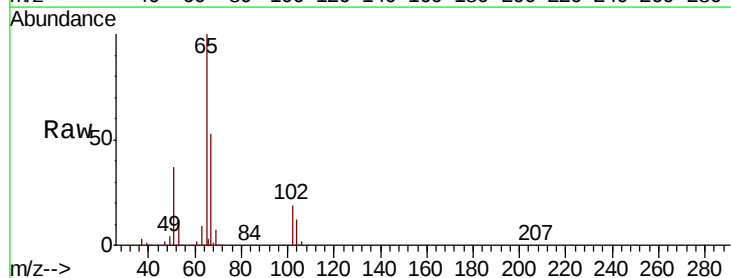


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

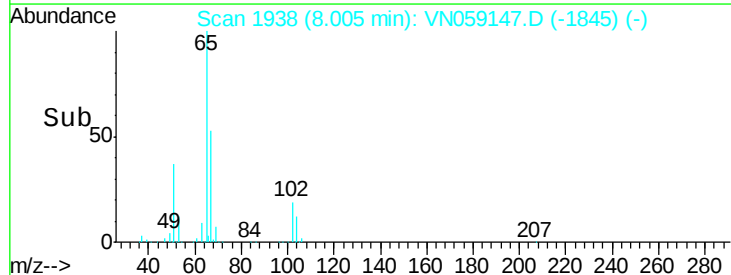
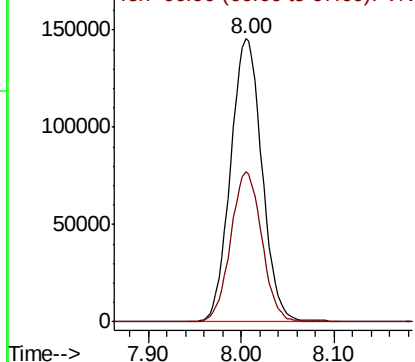


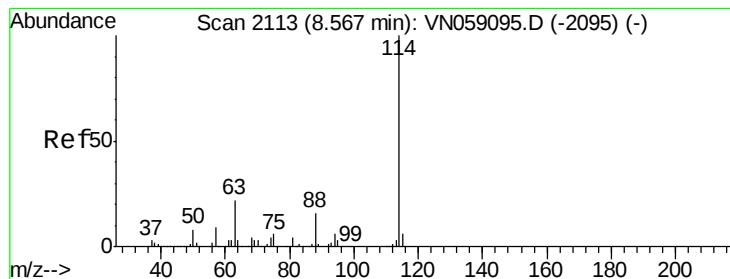
#33
1,2-Dichloroethane-d4
Concen: 50.999 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059147.D
Acq: 11 Nov 2019 10:06

Tgt Ion: 65 Resp: 342389
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

LTM-TB05-SRI4

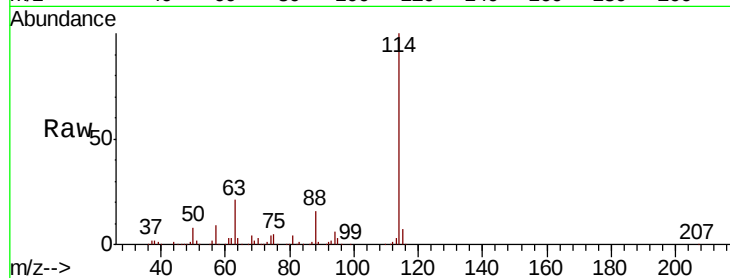
Tot Ion:114 Resp: 851230

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.4

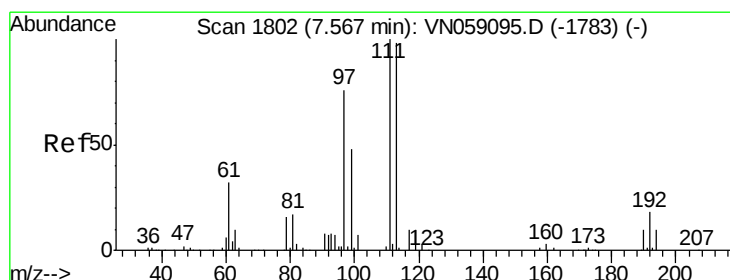
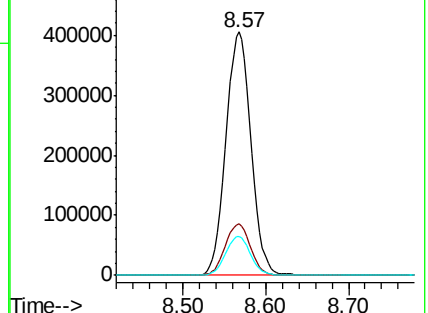
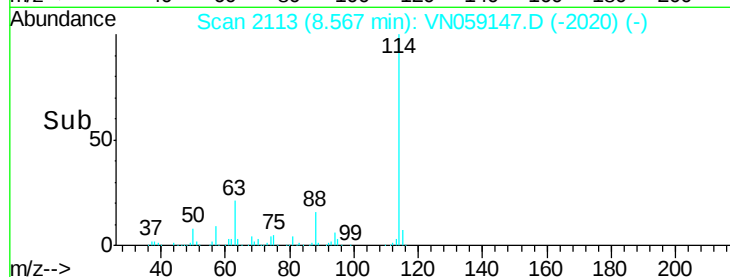
88 15.9 0.0 32.2



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: 51.249 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

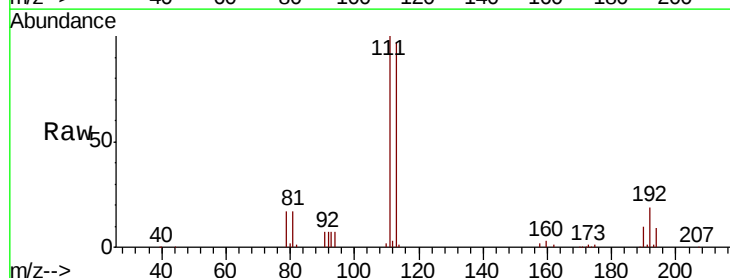
Tgt Ion:113 Resp: 260481

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

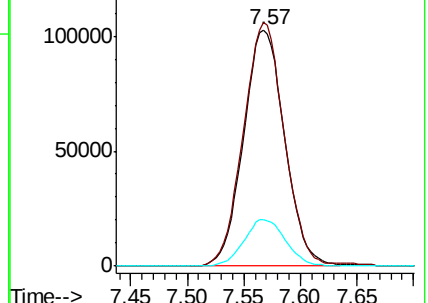
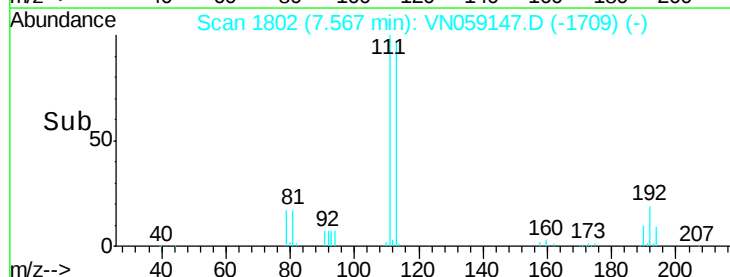
192 19.9 16.1 24.1

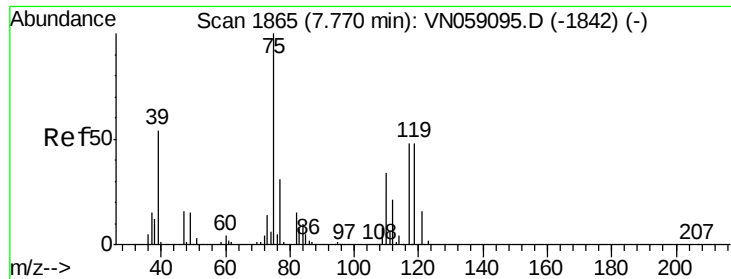


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

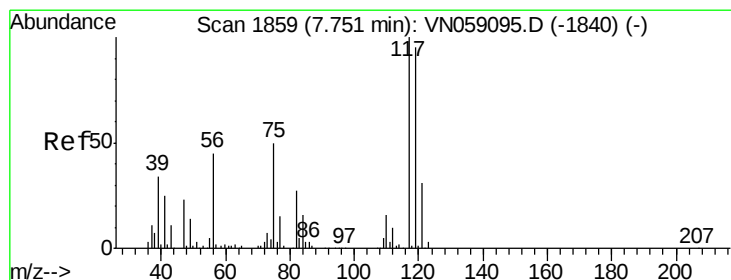
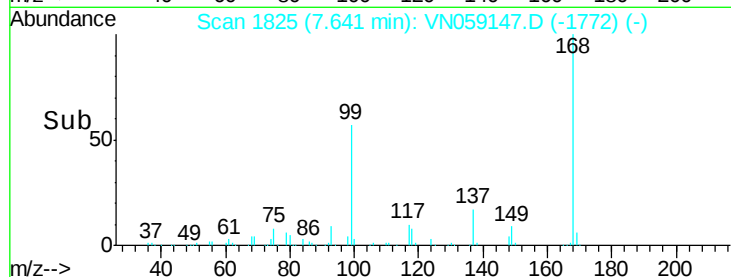
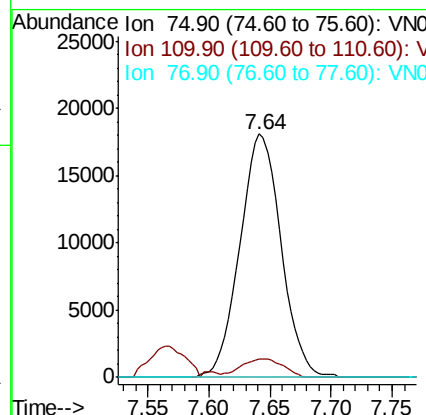
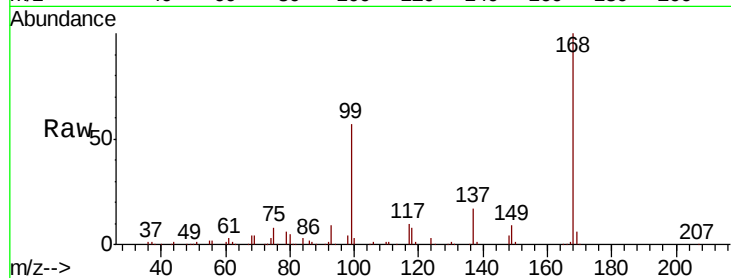




#36
 1,1-Dichloropropene
 Concen: 5.321 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059147.D
 Acq: 11 Nov 2019 10:06

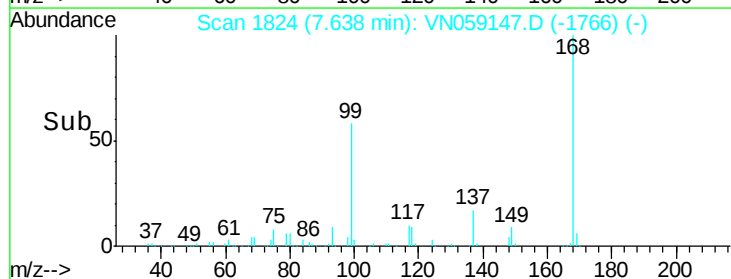
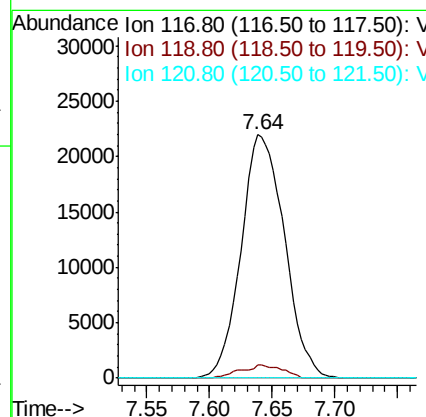
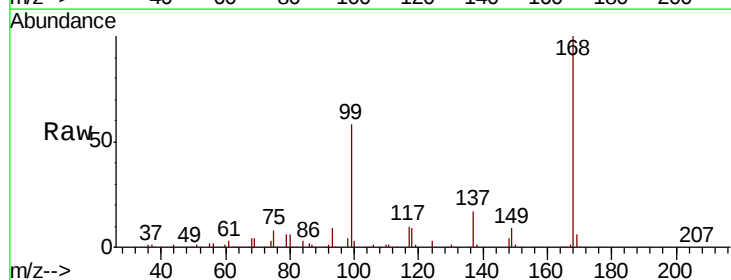
Instrument :
 MSVOA_N
 ClientSampleId :
 LTM-TB05-SRI4

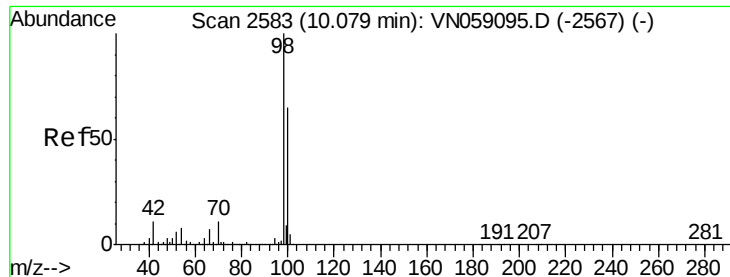
Tot Ion	75	Resp	42333
Ion Ratio	Lower	Upper	
75	100		
110	7.6	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.657 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN059147.D
 Acq: 11 Nov 2019 10:06

Tgt Ion	117	Resp	52716
Ion Ratio	Lower	Upper	
117	100		
119	5.2	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 51.432 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

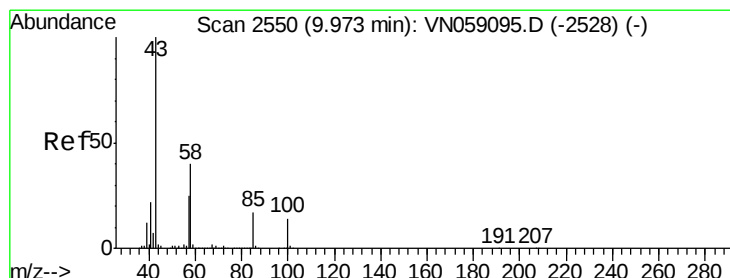
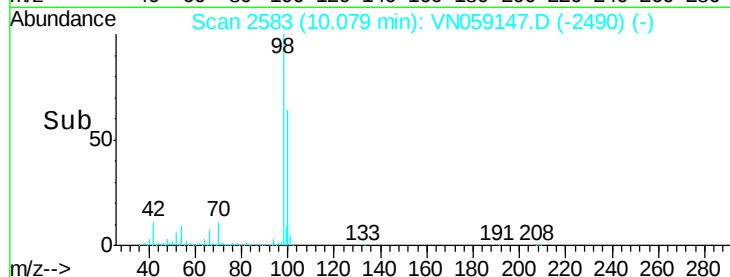
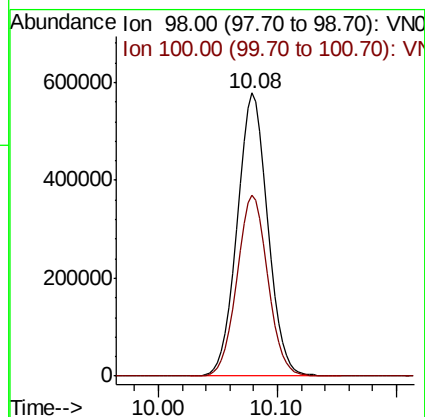
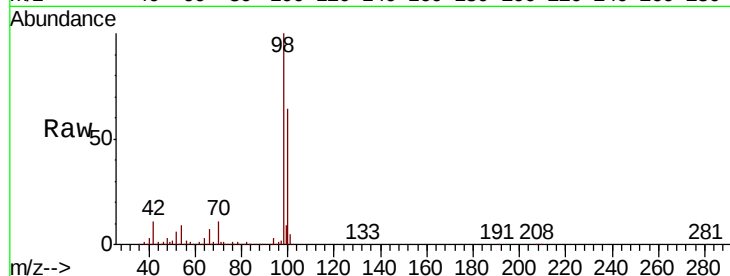
LTM-TB05-SRI4

Tot Ion: 98 Resp: 1029689

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.597 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN059147.D

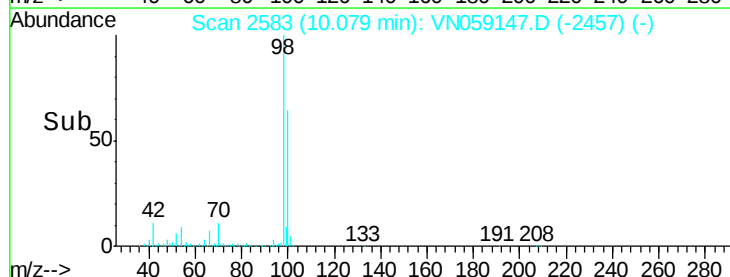
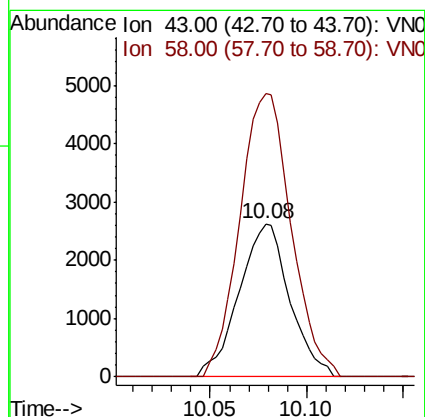
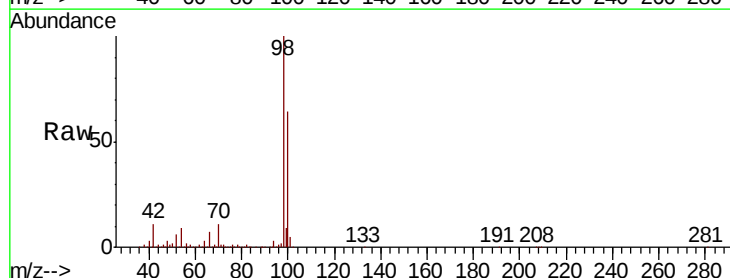
Acq: 11 Nov 2019 10:06

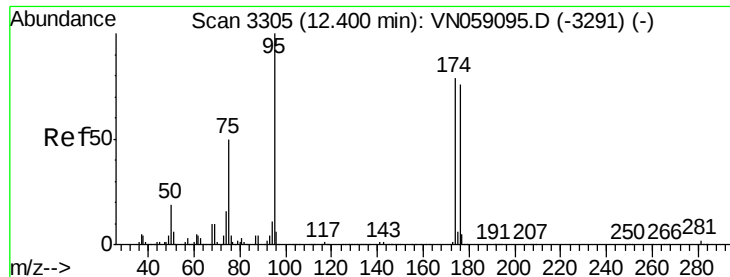
Tgt Ion: 43 Resp: 4765

Ion Ratio Lower Upper

43 100

58 188.2 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 45.779 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

LTM-TB05-SRI4

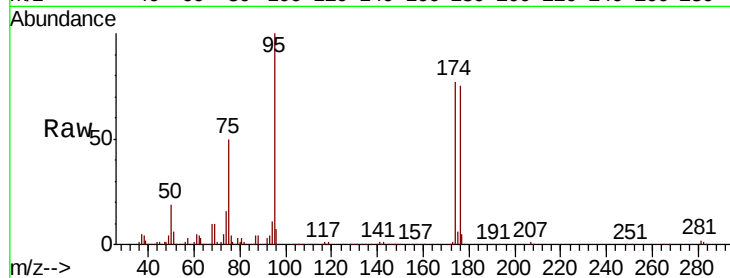
Tot Ion: 95 Resp: 330459

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.2

176 75.2 0.0 151.8

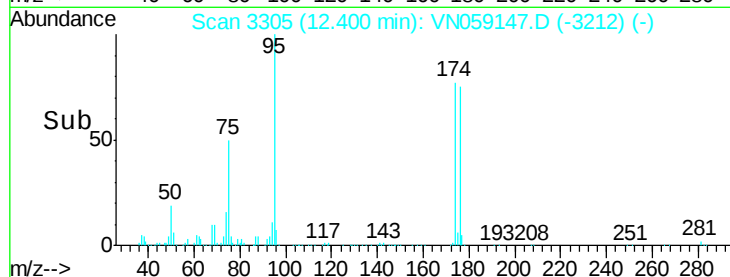


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

Time--> 12.30 12.40 12.50

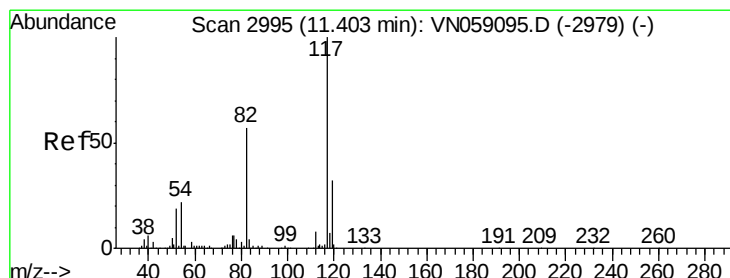


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

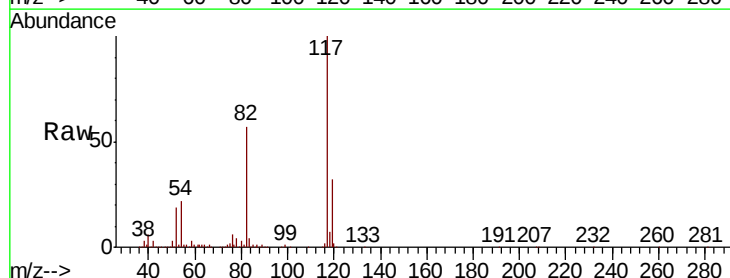
Tgt Ion: 117 Resp: 732610

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

119 31.9 25.8 38.6

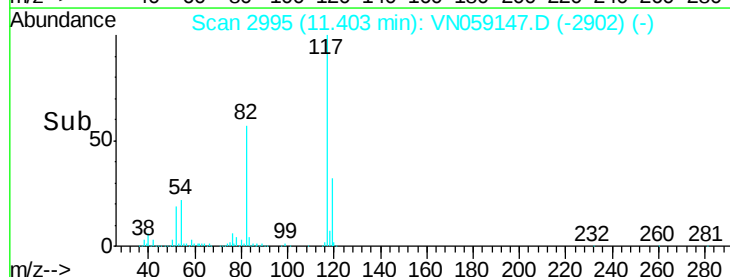


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

Time--> 11.30 11.40 11.50

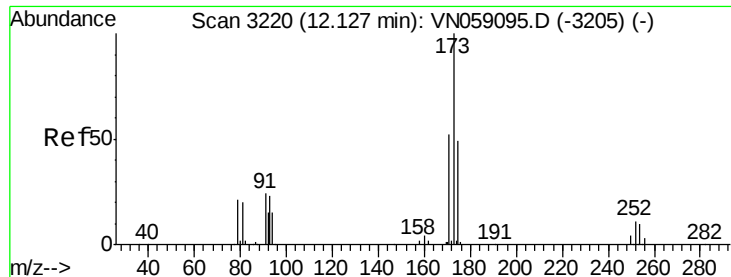


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

Time--> 11.30 11.40 11.50



#71

Bromoform

Concen: 0.399 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampled :

LTM-TB05-SRI4

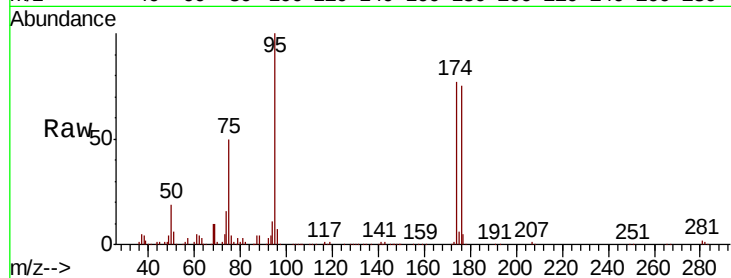
Tot Ion:173 Resp: 1661

Ion Ratio Lower Upper

173 100

175 1013.7 24.2 72.6#

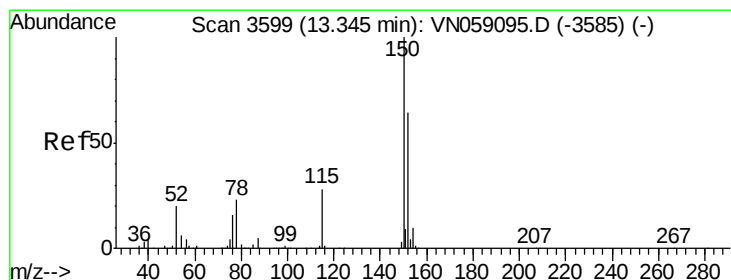
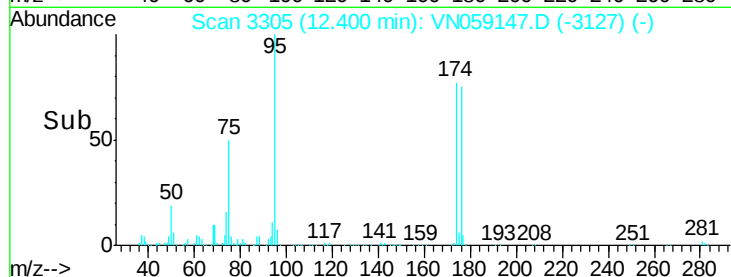
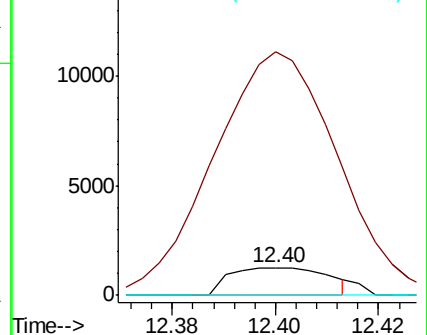
254 0.0 0.1 0.1#



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: VN059147.D

Acq: 11 Nov 2019 10:06

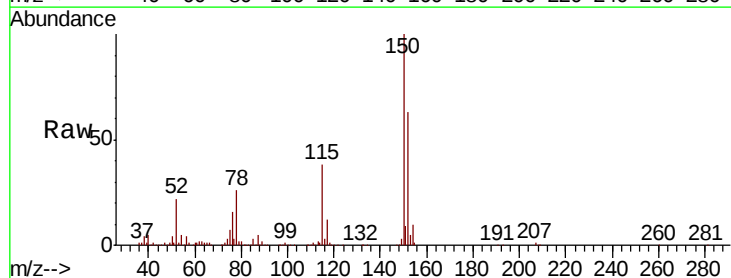
Tgt Ion:152 Resp: 267252

Ion Ratio Lower Upper

152 100

115 59.4 29.4 88.2

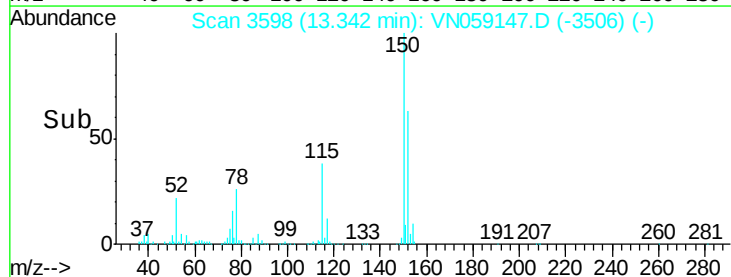
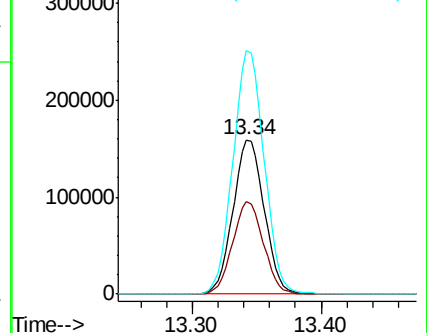
150 157.9 0.0 345.8

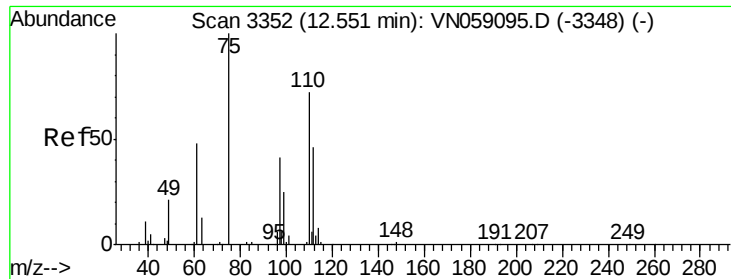


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.250 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

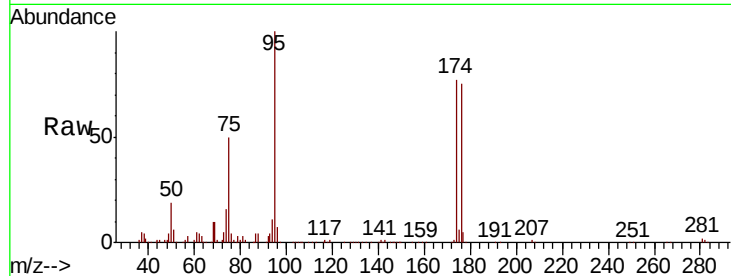
LTM-TB05-SRI4

Tot Ion: 75 Resp: 165803

Ion Ratio Lower Upper

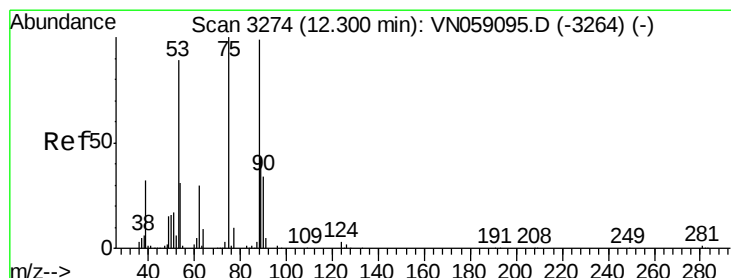
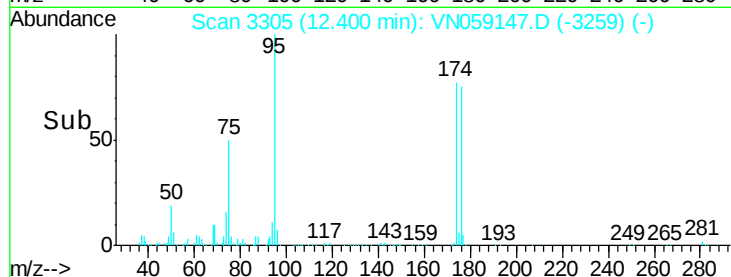
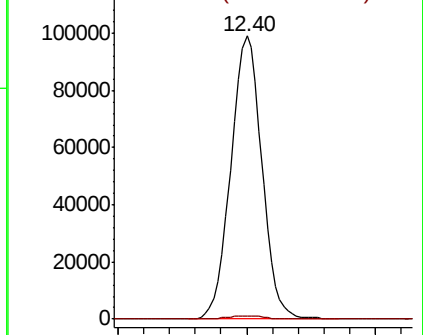
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.976 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059147.D

Acq: 11 Nov 2019 10:06

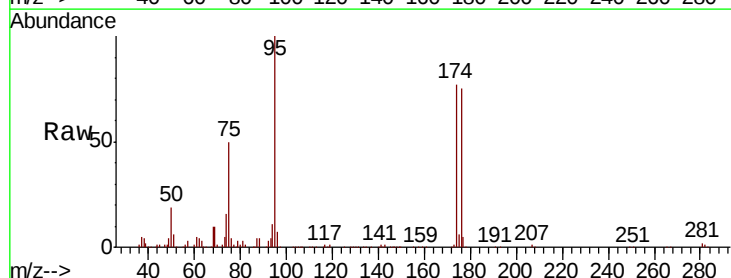
Tgt Ion: 75 Resp: 165803

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

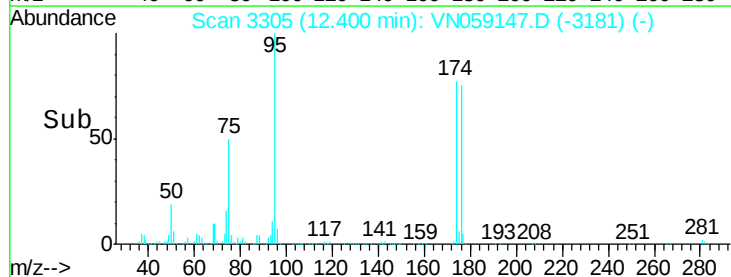
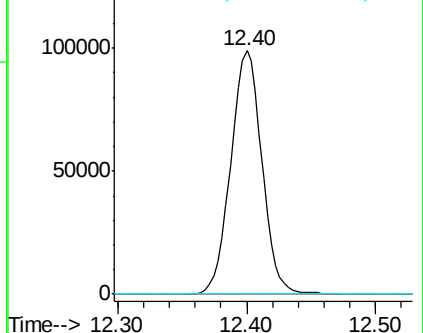
89 0.0 35.8 53.8#

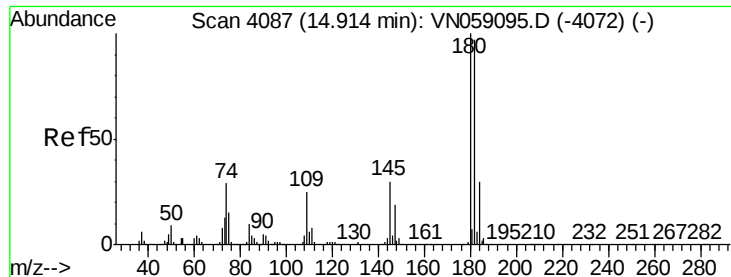


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

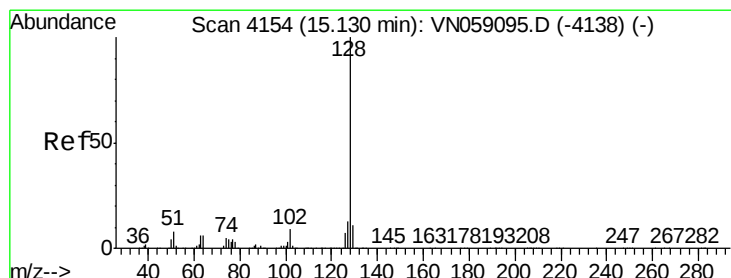
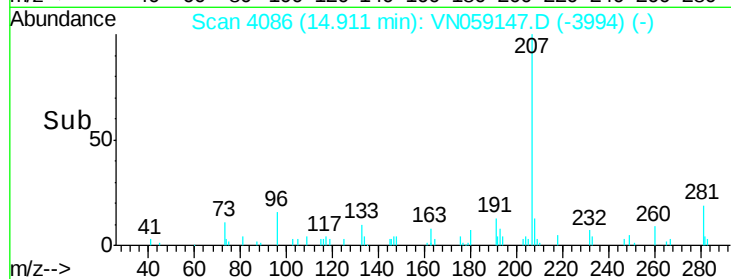
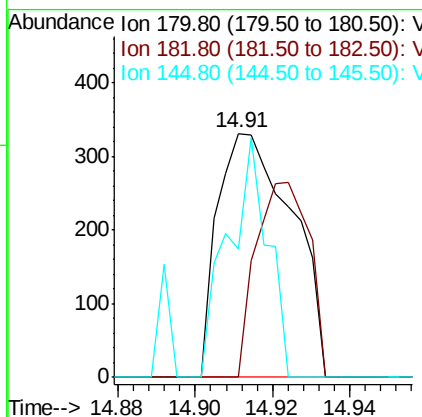
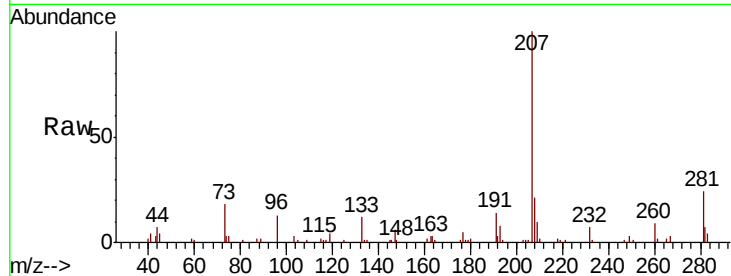




#93
 1,2,4-Trichlorobenzene
 Concen: 3.130 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059147.D
 Acq: 11 Nov 2019 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 LTM-TB05-SRI4

Tot Ion:180 Resp: 443
 Ion Ratio Lower Upper
 180 100
 182 57.1 48.1 144.3
 145 52.6 15.1 45.3#



#95
 Naphthalene
 Concen: 3.151 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059147.D
 Acq: 11 Nov 2019 10:06

Tgt Ion:128 Resp: 1563
 Ion Ratio Lower Upper
 128 100
 127 4.2 10.2 15.2#
 129 1.9 8.6 12.8#

