

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059195.D
 Acq On : 12 Nov 2019 16:57
 Operator : JC/SP
 Sample : K5799-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LTM-TB09-SRI4

Quant Time: Nov 13 05:41:41 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	424709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	661910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	581650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	210831	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	278922	53.43	ug/l	0.00
Spiked Amount						
			Recovery	=	106.86%	
35) Dibromofluoromethane	7.57	113	210444	53.25	ug/l	0.00
Spiked Amount						
			Recovery	=	106.50%	
50) Toluene-d8	10.08	98	811476	52.13	ug/l	0.00
Spiked Amount						
			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.40	95	259511	46.23	ug/l	0.00
Spiked Amount						
			Recovery	=	92.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3471	1.278	ug/l #	79
18) Methyl Acetate	4.30	43	1590	0.247	ug/l #	53
29) Tetrahydrofuran	7.20	42	1385	0.609	ug/l #	51
31) Cyclohexane	7.64	56	8662	1.066	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32840	5.308	ug/l #	50
38) Carbon Tetrachloride	7.64	117	40948	6.650	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	3796	0.611	ug/l #	1
71) Bromoform	12.39	173	1577	0.477	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	129350	26.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	129350	71.178	ug/l #	13
95) Naphthalene	15.14	128	2668	3.274	ug/l #	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

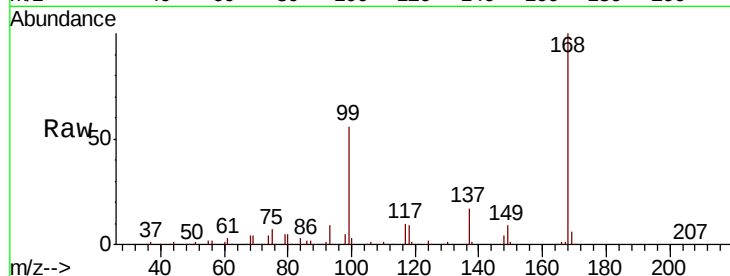
LTM-TB09-SRI4

Tot Ion:168 Resp: 424709

Ion Ratio Lower Upper

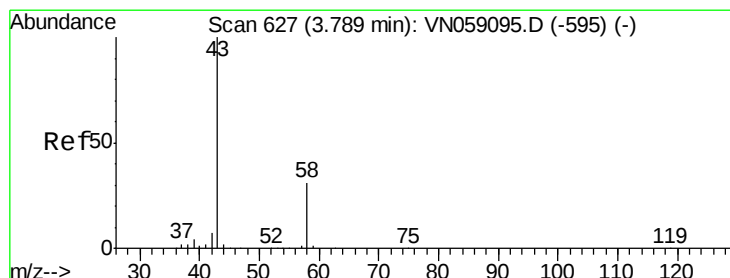
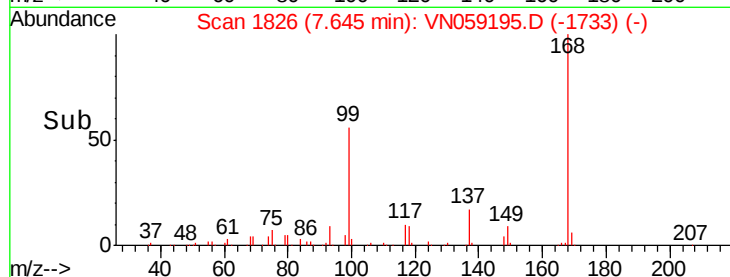
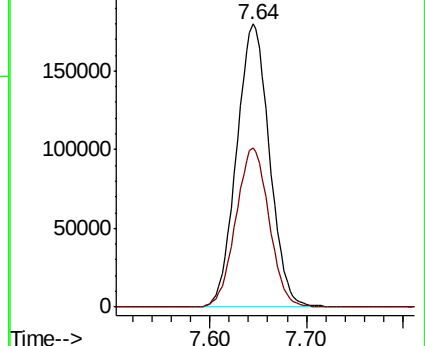
168 100

99 56.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 1.278 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059195.D

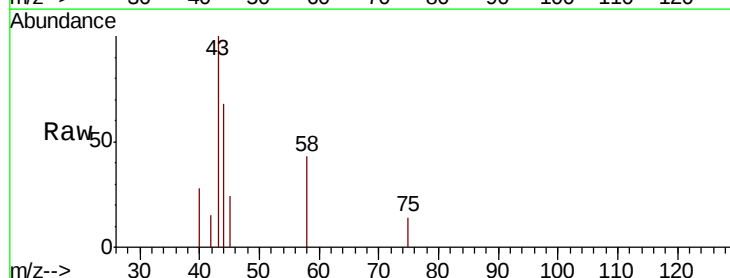
Acq: 12 Nov 2019 16:57

Tgt Ion: 43 Resp: 3471

Ion Ratio Lower Upper

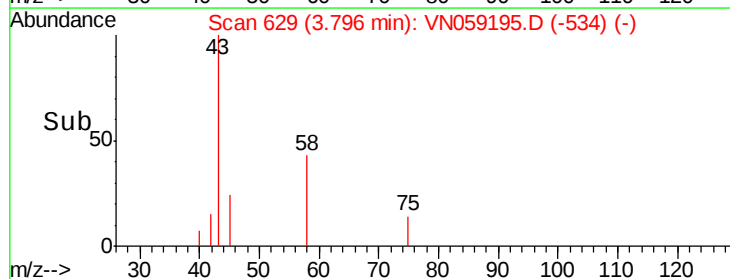
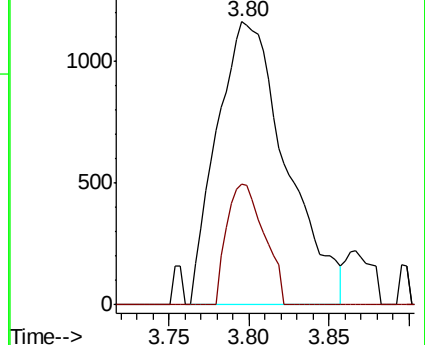
43 100

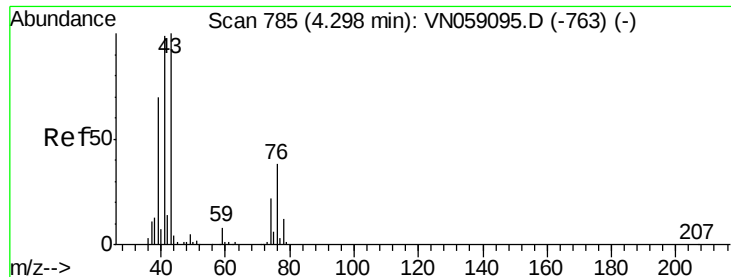
58 42.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

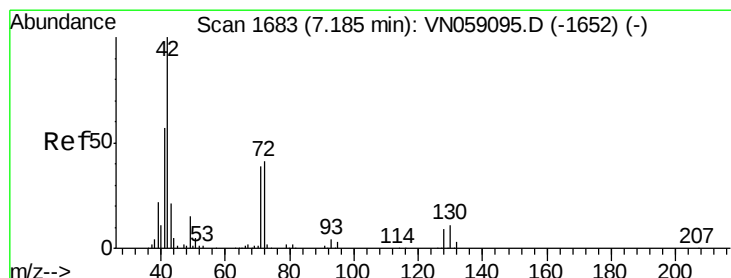
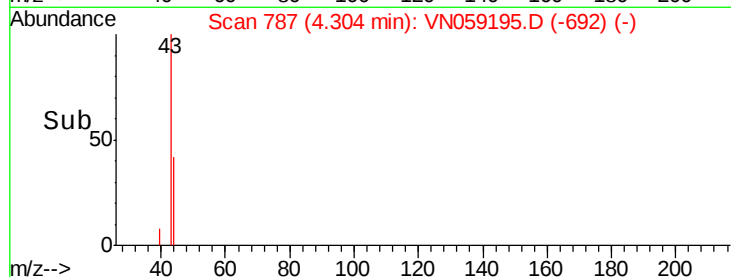
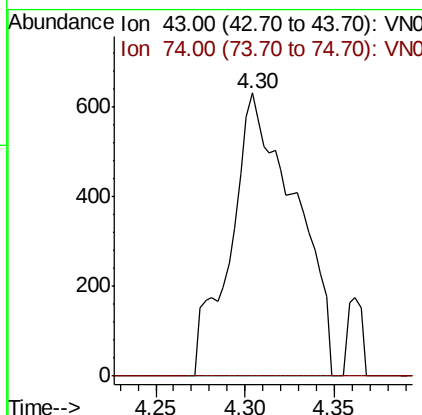
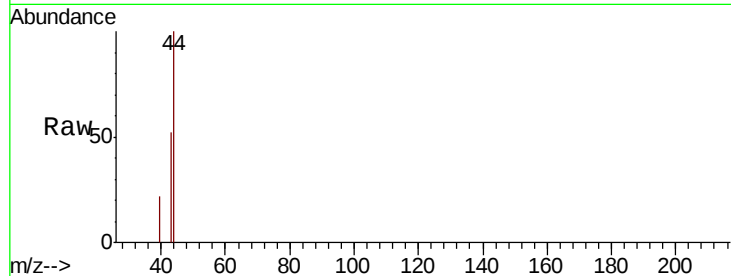




#18
Methvl Acetate
Concen: 0.247 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059195.D
Acq: 12 Nov 2019 16:57

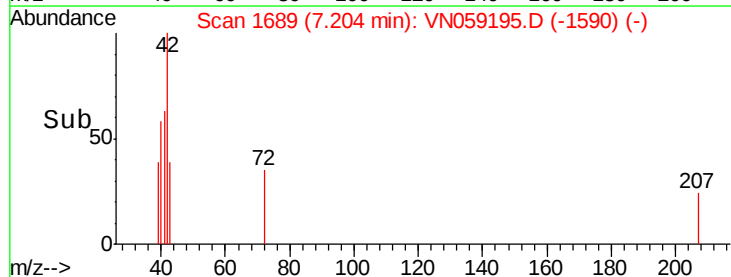
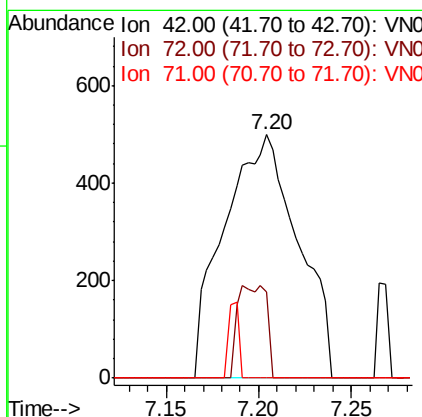
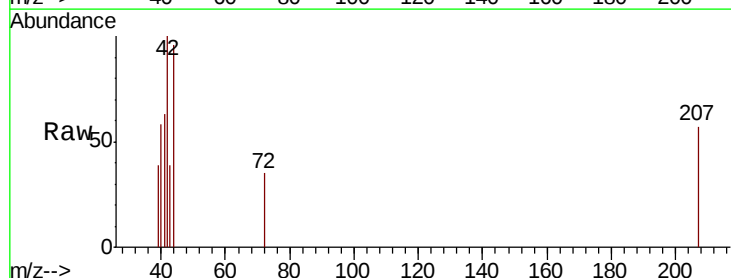
Instrument :
MSVOA_N
ClientSampleId :
LTM-TB09-SRI4

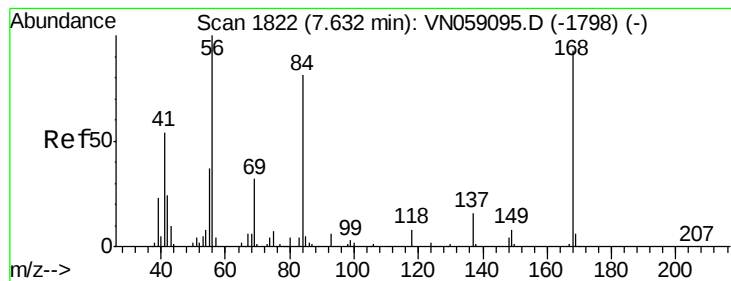
Tot Ion: 43 Resp: 1590
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#29
Tetrahydrofuran
Concen: 0.609 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.02 min
Lab File: VN059195.D
Acq: 12 Nov 2019 16:57

Tgt Ion: 42 Resp: 1385
Ion Ratio Lower Upper
42 100
72 14.8 33.1 49.7#
71 4.3 30.9 46.3#





#31

Cyclohexane

Concen: 1.066 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

LTM-TB09-SRI4

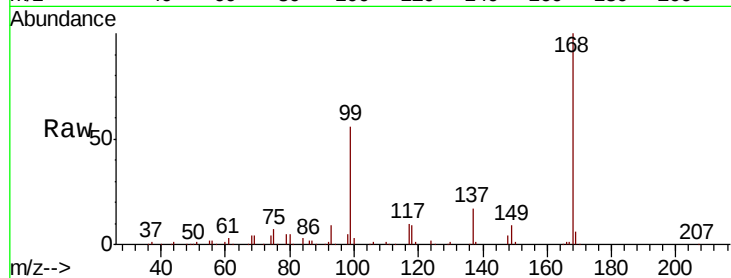
Tot Ion: 56 Resp: 8662

Ion Ratio Lower Upper

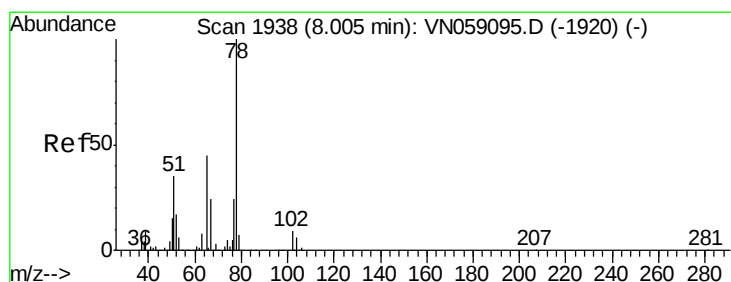
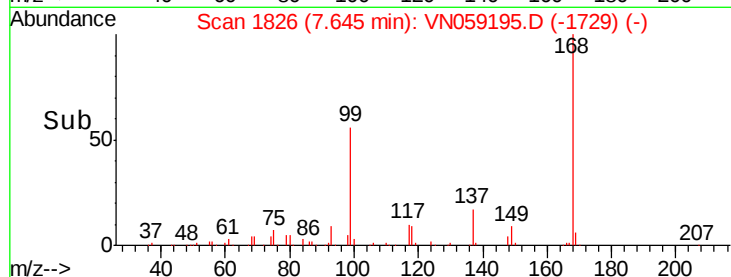
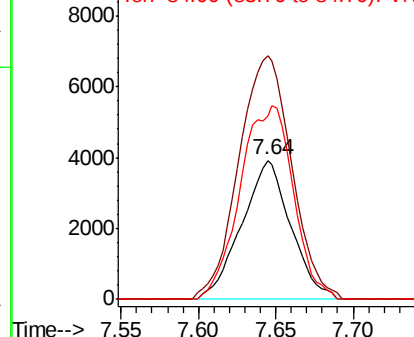
56 100

69 175.3 25.8 38.8#

84 131.9 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: 53.425 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059195.D

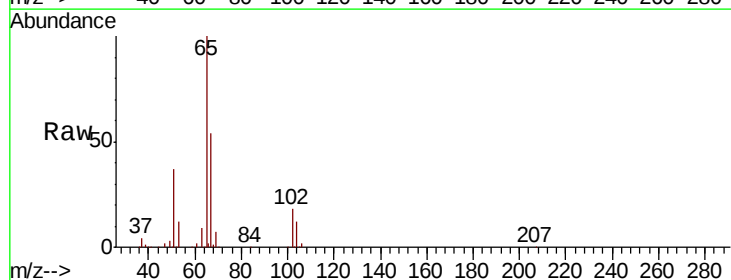
Acq: 12 Nov 2019 16:57

Tgt Ion: 65 Resp: 278922

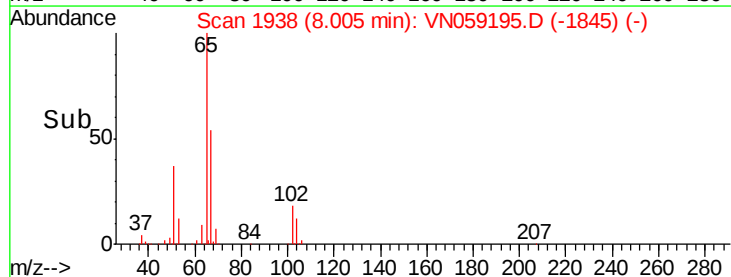
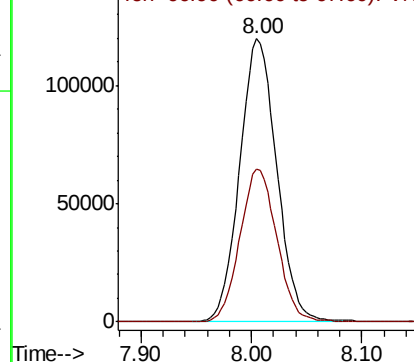
Ion Ratio Lower Upper

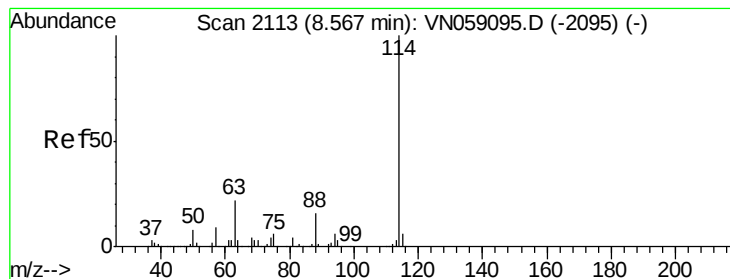
65 100

67 53.7 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: VN059195.D

Acq: 12 Nov 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

LTM-TB09-SRI4

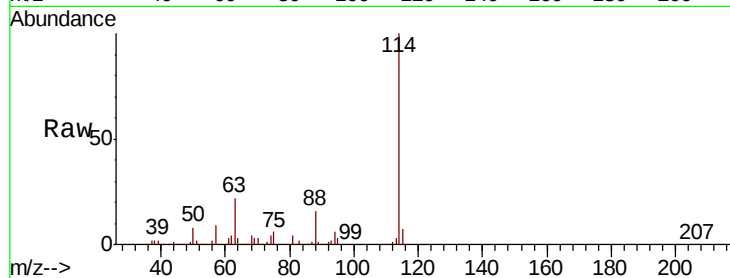
Tot Ion:114 Resp: 661910

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

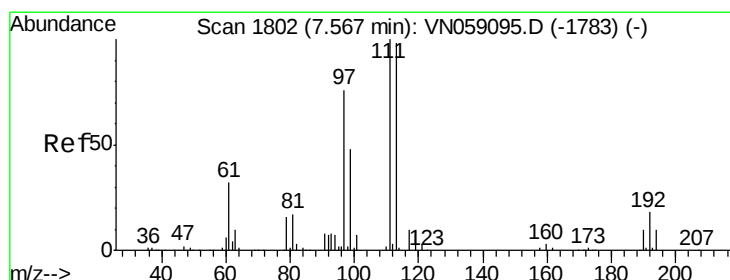
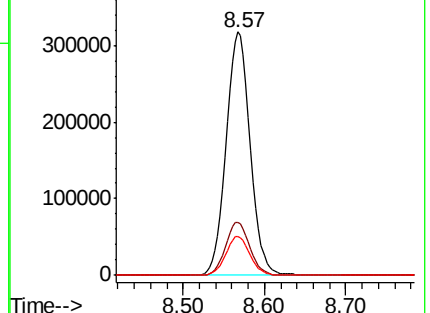
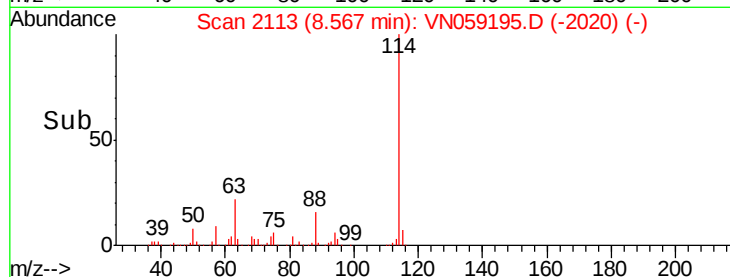
88 16.0 0.0 32.2



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: 53.247 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

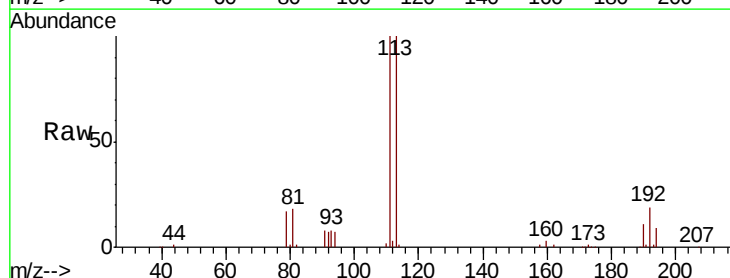
Tgt Ion:113 Resp: 210444

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

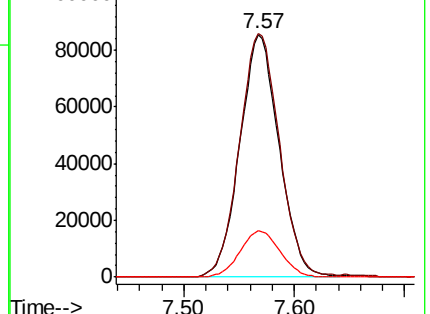
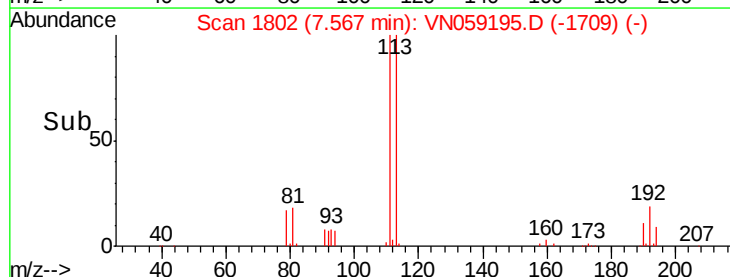
192 19.5 16.1 24.1

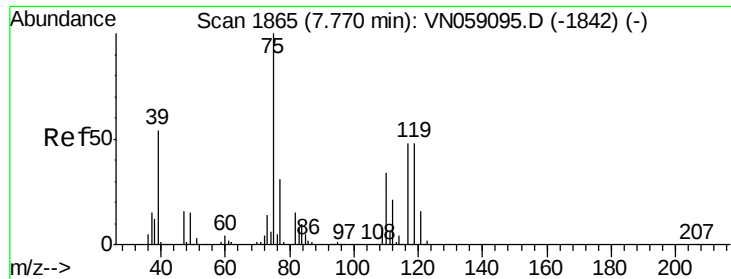


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

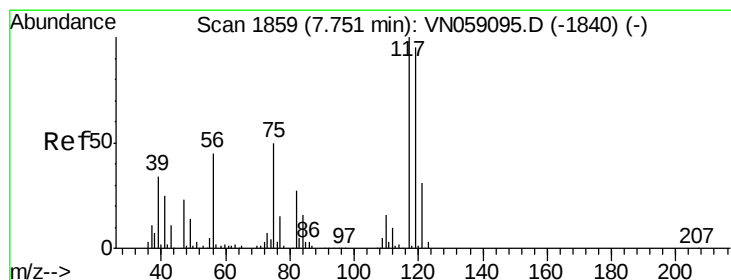
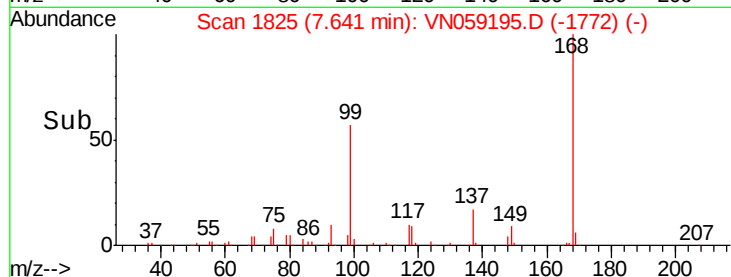
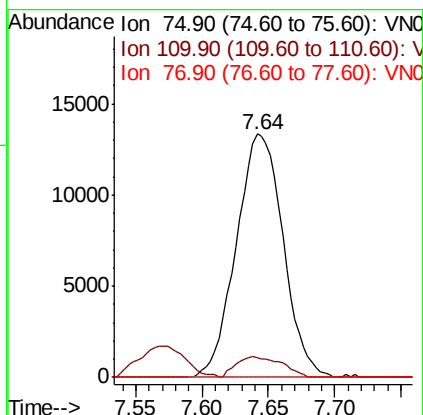
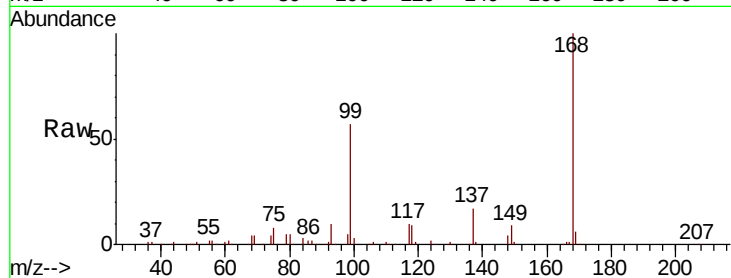




#36
 1,1-Dichloropropene
 Concen: 5.308 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059195.D
 Acq: 12 Nov 2019 16:57

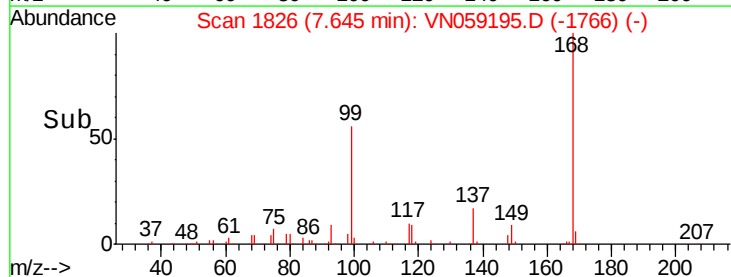
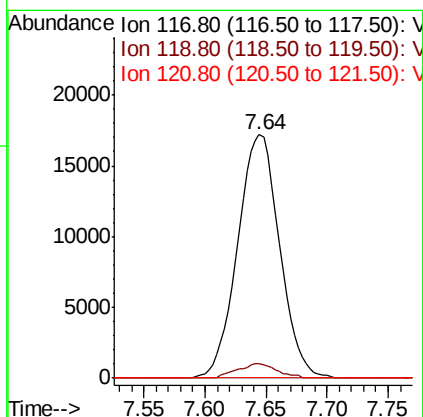
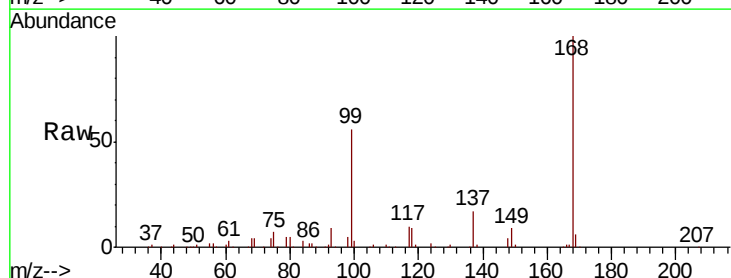
Instrument :
 MSVOA_N
 ClientSampleId :
 LTM-TB09-SRI4

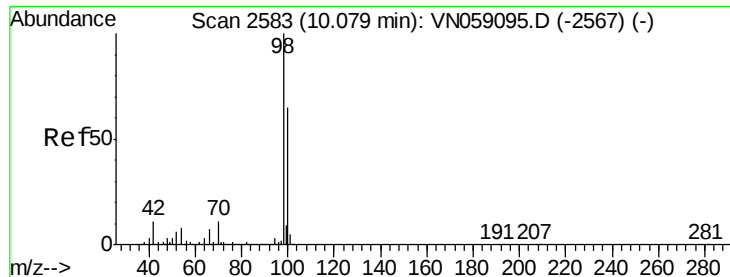
Tot Ion	75	Resp	32840
Ion Ratio	100	Lower	Upper
75	100		
110	8.3	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.650 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059195.D
 Acq: 12 Nov 2019 16:57

Tgt Ion	117	Resp	40948
Ion Ratio	100	Lower	Upper
117	100		
119	5.7	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 52.126 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

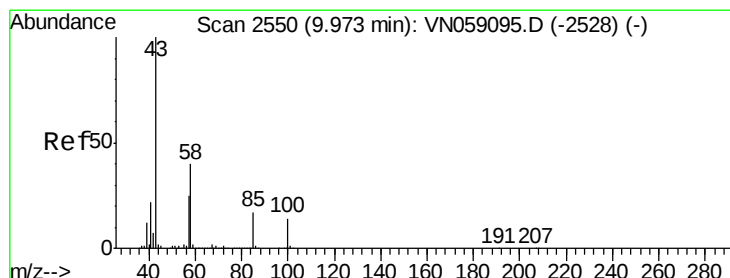
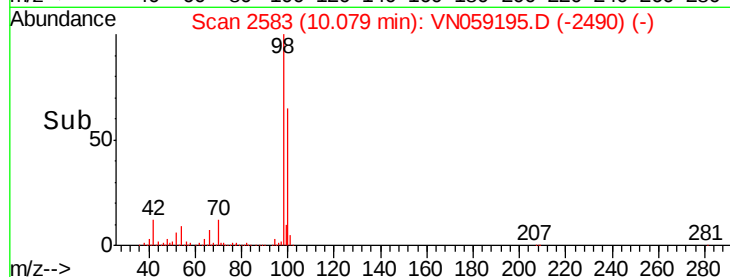
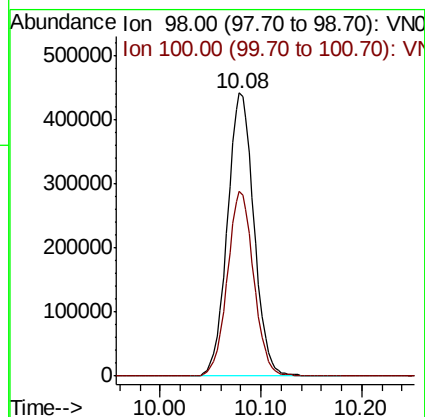
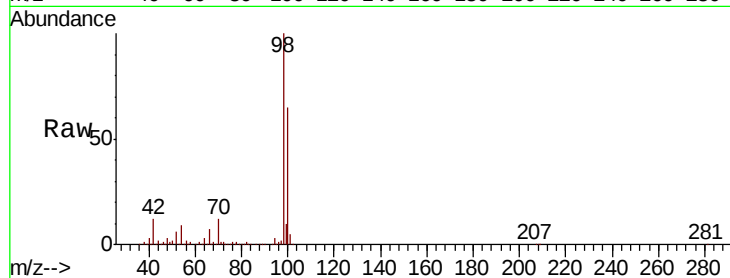
LTM-TB09-SRI4

Tot Ion: 98 Resp: 811476

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.611 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN059195.D

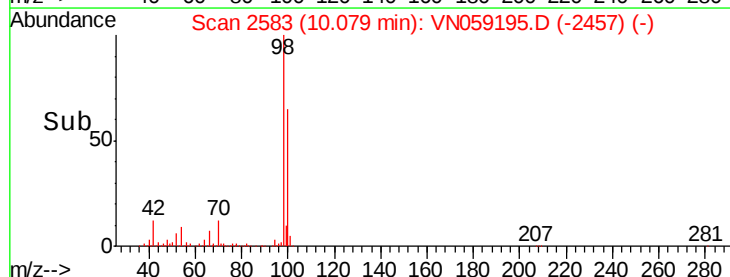
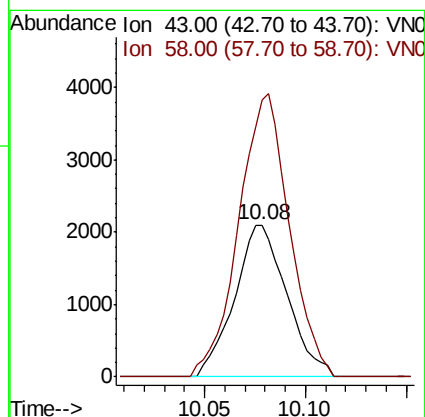
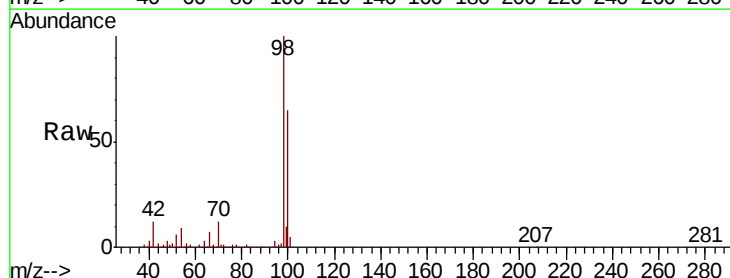
Acq: 12 Nov 2019 16:57

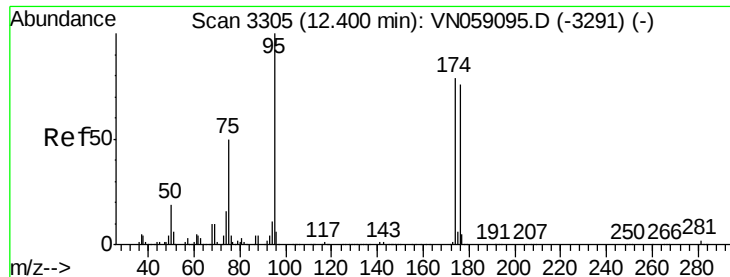
Tgt Ion: 43 Resp: 3796

Ion Ratio Lower Upper

43 100

58 180.9 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 46.233 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

LTM-TB09-SRI4

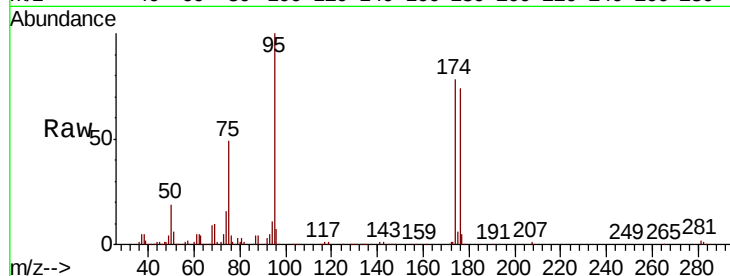
Tot Ion: 95 Resp: 259511

Ion Ratio Lower Upper

95 100

174 78.6 0.0 158.2

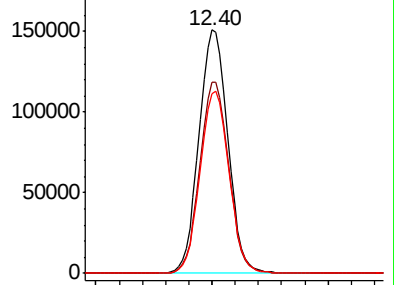
176 75.2 0.0 151.8



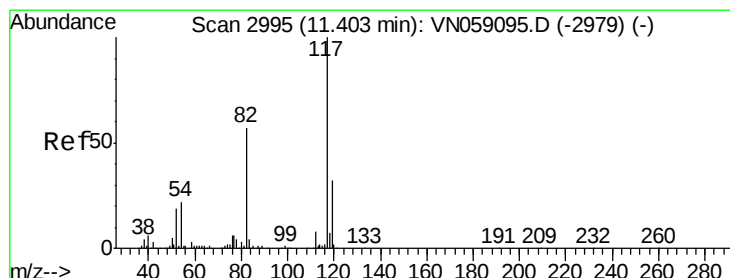
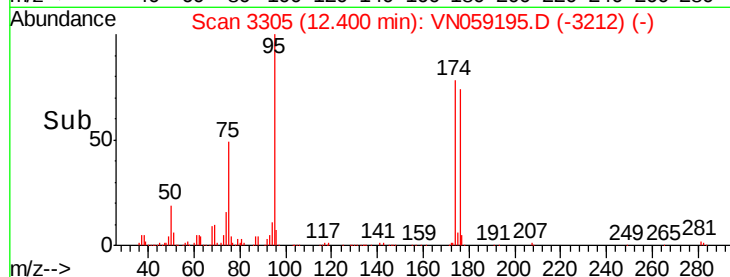
Abundance Ion 94.90 (94.60 to 95.60): VN059195.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059195.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059195.D (-3291) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

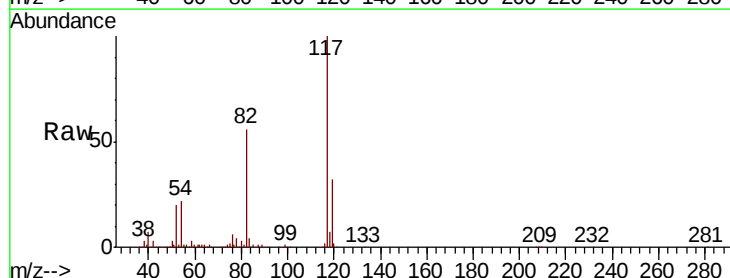
Tgt Ion: 117 Resp: 581650

Ion Ratio Lower Upper

117 100

82 56.4 45.8 68.8

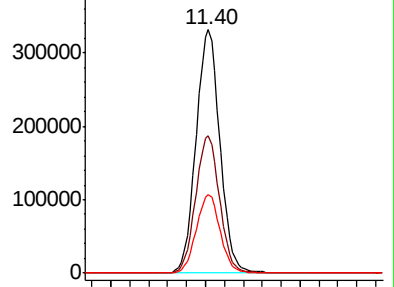
119 32.3 25.8 38.6



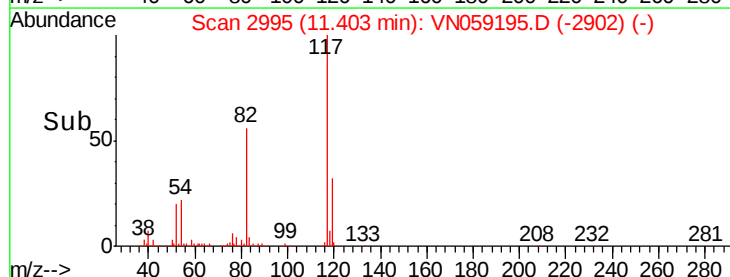
Abundance Ion 116.90 (116.60 to 117.60): VN059195.D (-2979) (-)

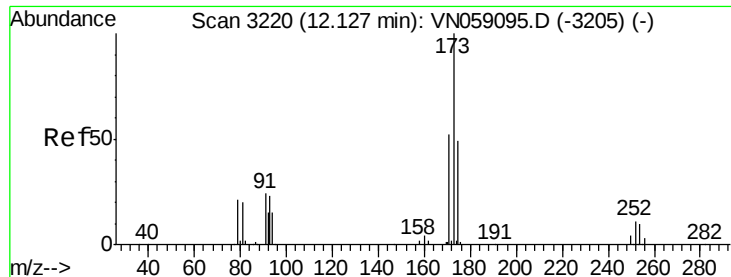
Ion 82.00 (81.70 to 82.70): VN059195.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059195.D (-2979) (-)



Time-->





#71

Bromoform

Concen: 0.477 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

LTM-TB09-SRI4

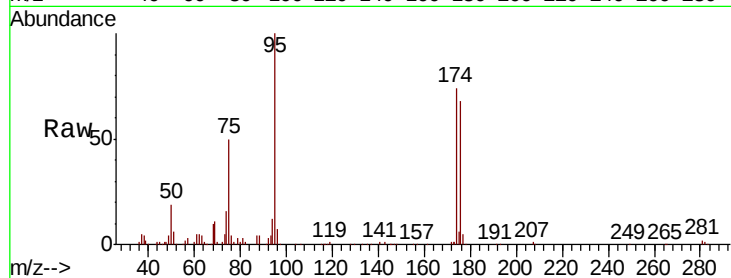
Tot Ion:173 Resp: 1577

Ion Ratio Lower Upper

173 100

175 817.6 24.2 72.6#

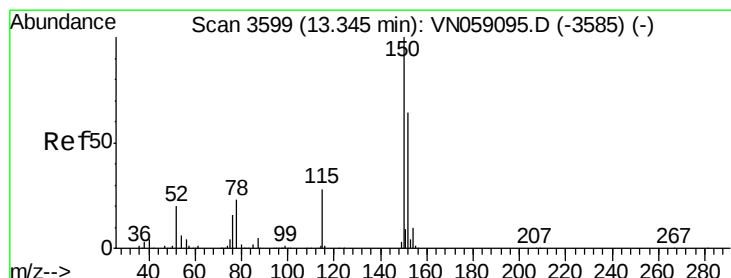
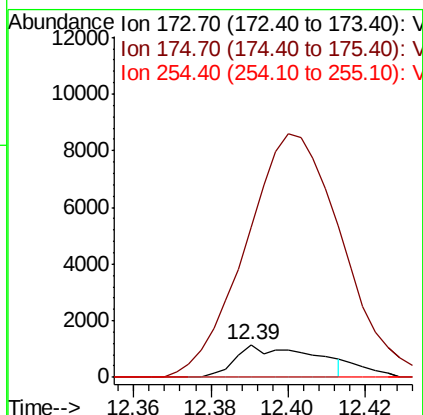
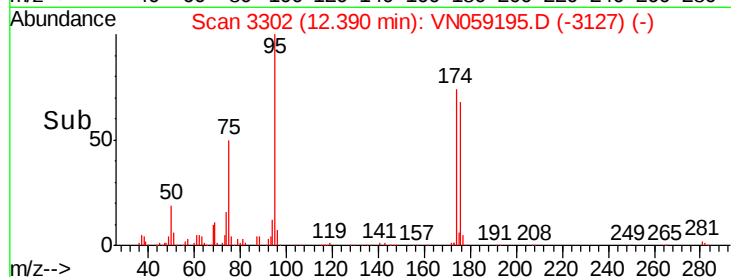
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

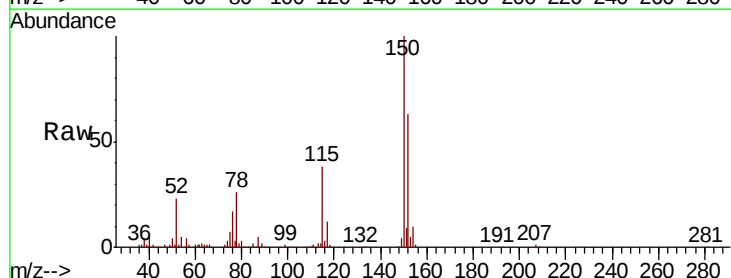
Tgt Ion:152 Resp: 210831

Ion Ratio Lower Upper

152 100

115 59.9 29.4 88.2

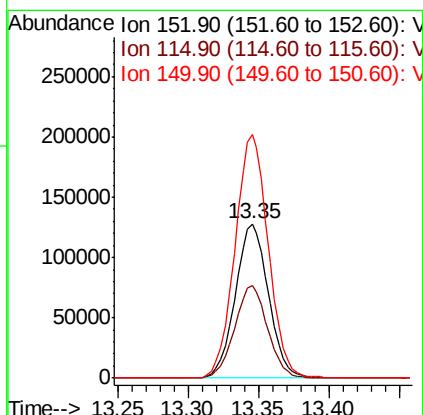
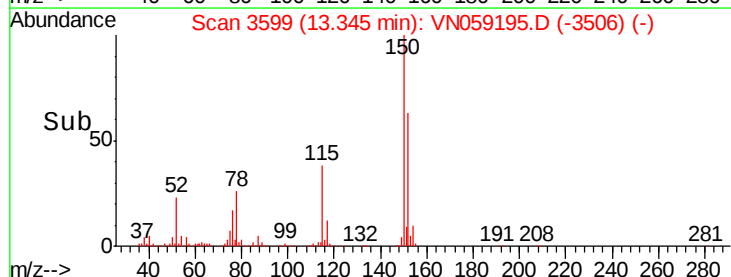
150 157.9 0.0 345.8

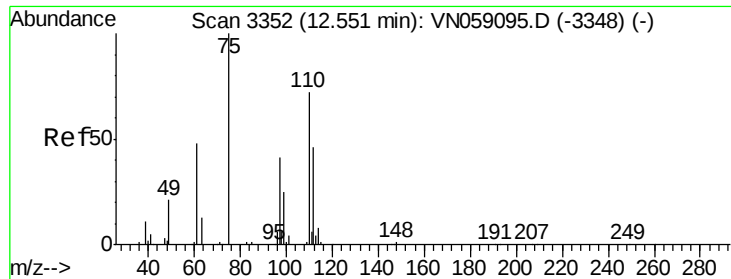


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

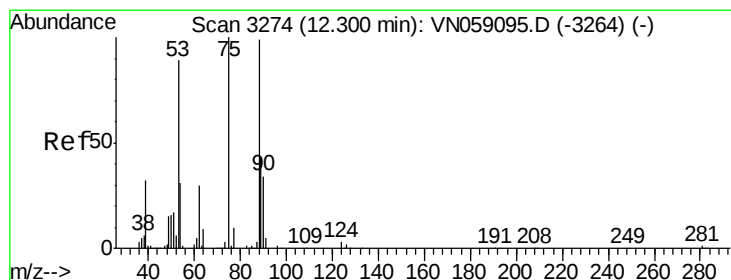
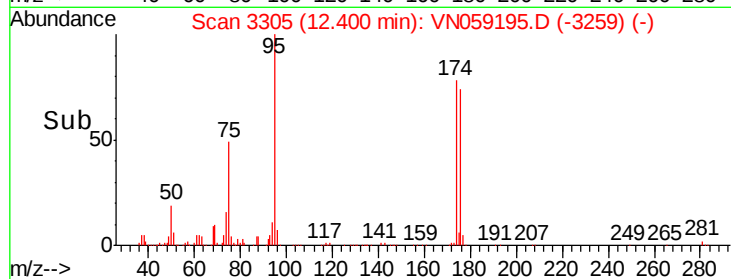
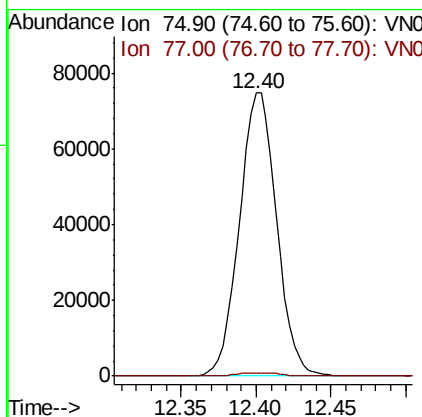
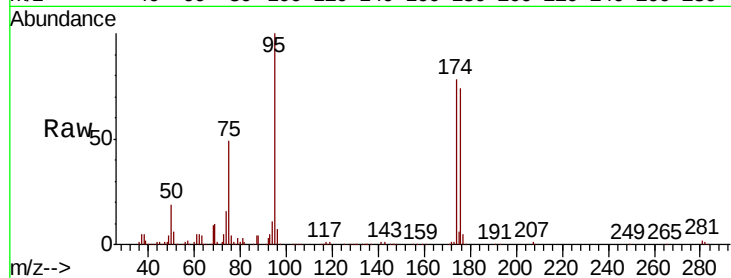
LTM-TB09-SRI4

Tot Ion: 75 Resp: 129350

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.178 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059195.D

Acq: 12 Nov 2019 16:57

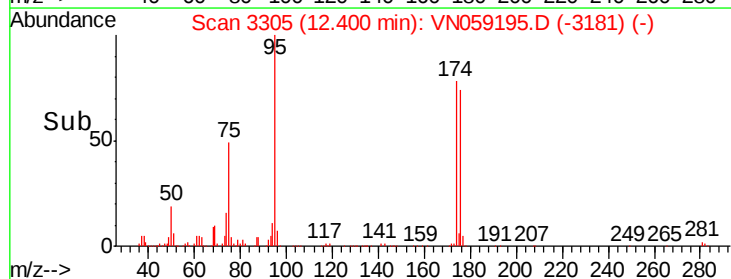
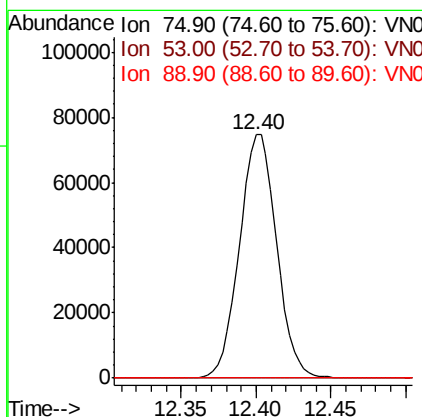
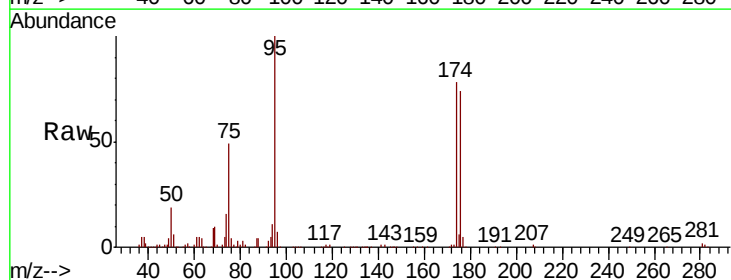
Tgt Ion: 75 Resp: 129350

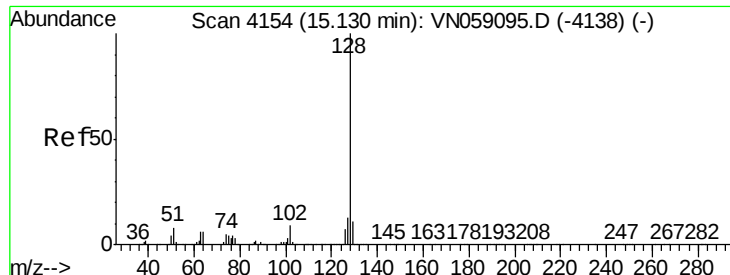
Ion Ratio Lower Upper

75 100

53 0.1 72.2 108.2#

89 0.0 35.8 53.8#

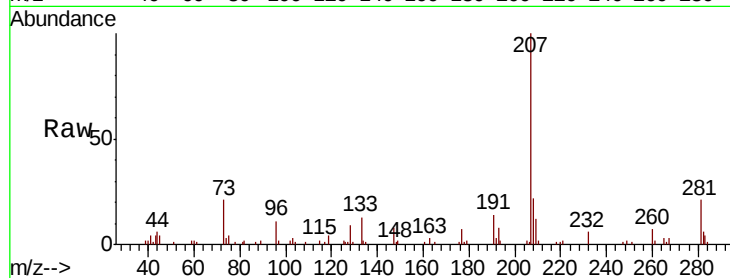




#95
Naphthalene
Concen: 3.274 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN059195.D
Acq: 12 Nov 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
LTM-TB09-SRI4

Tot Ion	Ratio	Lower	Upper
128	100		
127	5.2	10.2	15.2#
129	5.5	8.6	12.8#



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

