

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059233.D
 Acq On : 14 Nov 2019 15:00
 Operator : JC/SP
 Sample : K5843-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LTM-TB11-SRI4

Quant Time: Nov 15 06:31:22 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	478159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	745233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	646153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	248956	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	300338	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
35) Dibromofluoromethane	7.57	113	235240	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	10.08	98	906852	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.40	95	297525	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	

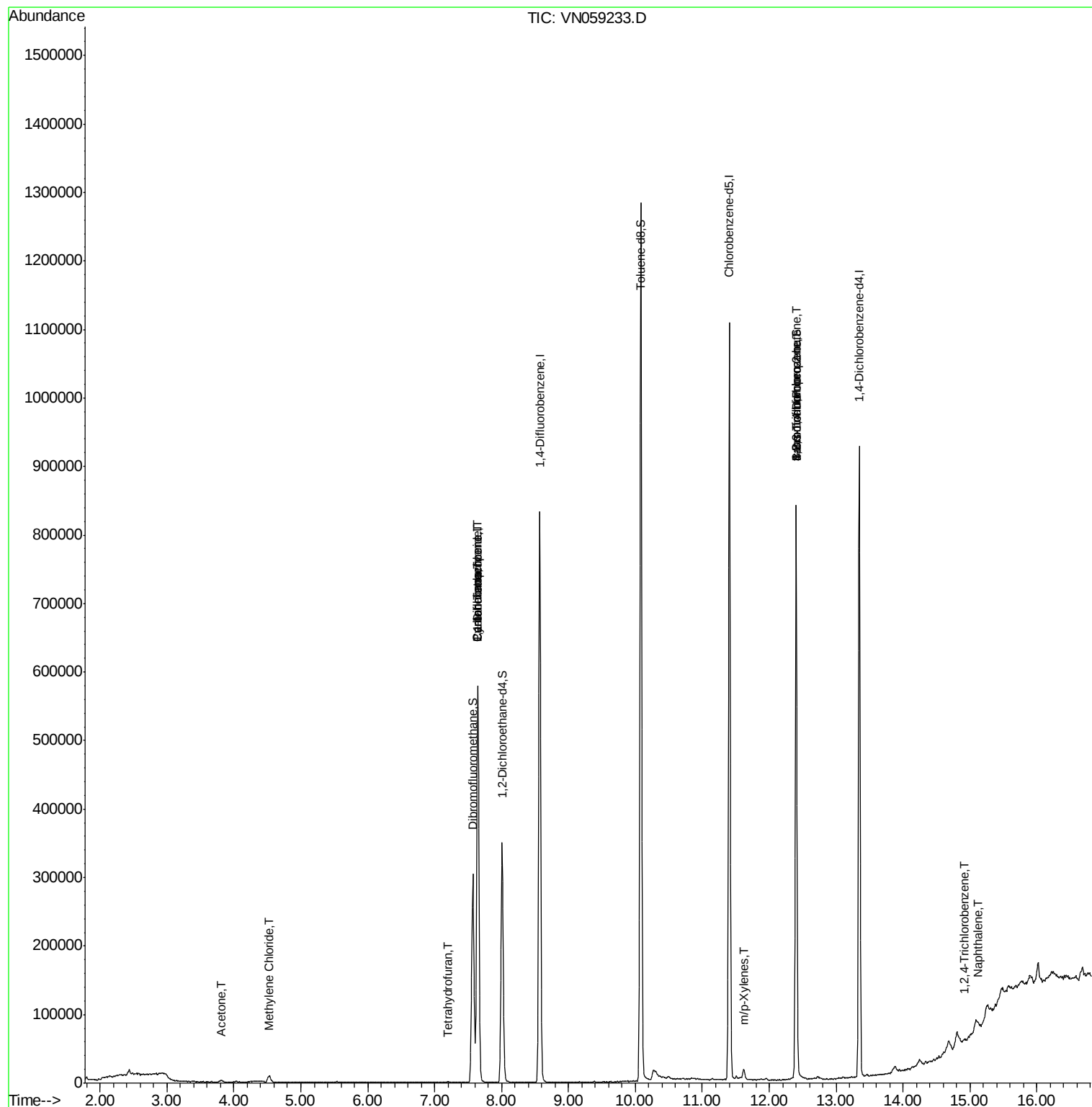
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3918	1.282	ug/l #	85
20) Methylene Chloride	4.53	84	8018	1.506	ug/l	98
29) Tetrahydrofuran	7.20	42	738	0.288	ug/l #	60
31) Cyclohexane	7.64	56	9183	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	36148	5.189	ug/l #	50
38) Carbon Tetrachloride	7.64	117	44513	6.420	ug/l #	17
68) m/p-Xylenes	11.62	106	4317	0.516	ug/l	98
71) Bromoform	12.40	173	1653	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	149539	26.383	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	149539	69.686	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	294	3.106	ug/l #	1
95) Naphthalene	15.13	128	1975	3.189	ug/l #	71

(#) = 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: VN059233.D

Acq: 14 Nov 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

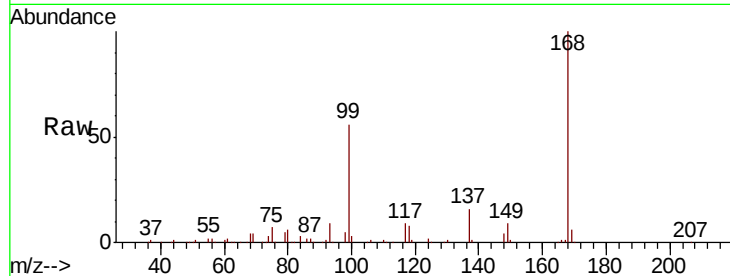
LTM-TB11-SRI4

Tot Ion:168 Resp: 478159

Ion Ratio Lower Upper

168 100

99 55.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D

Ion 98.90 (98.60 to 99.60): VN059095.D

7.64

200000

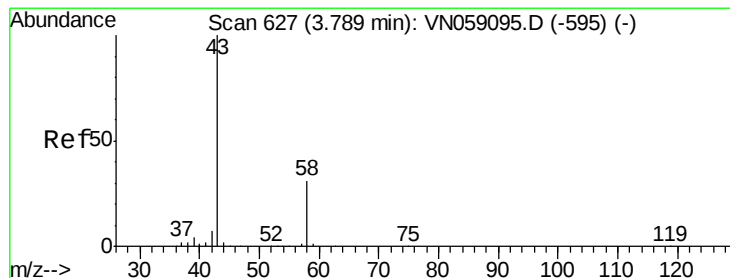
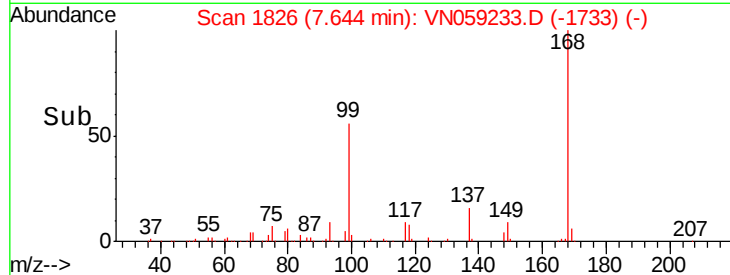
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 1.282 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059233.D

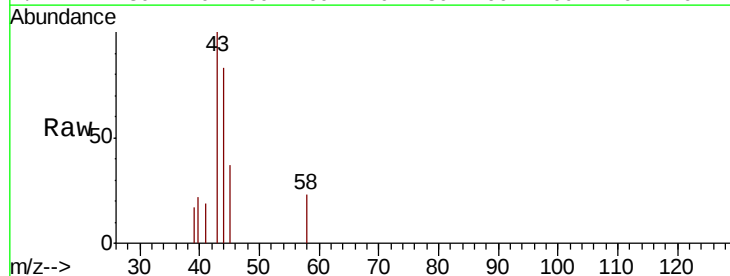
Acq: 14 Nov 2019 15:00

Tgt Ion: 43 Resp: 3918

Ion Ratio Lower Upper

43 100

58 23.1 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D

Ion 58.00 (57.70 to 58.70): VN059095.D

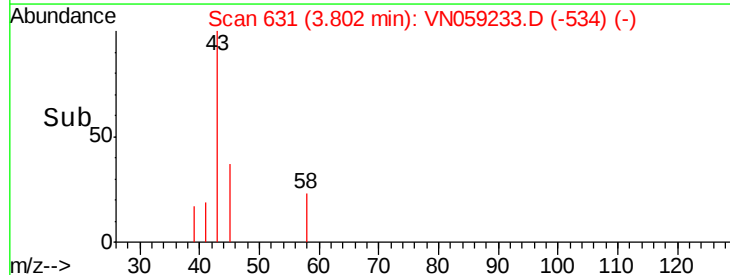
3.80

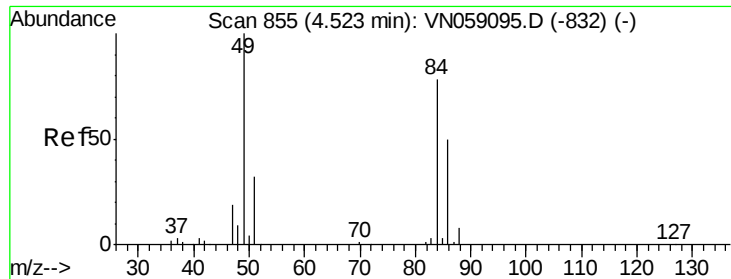
1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90

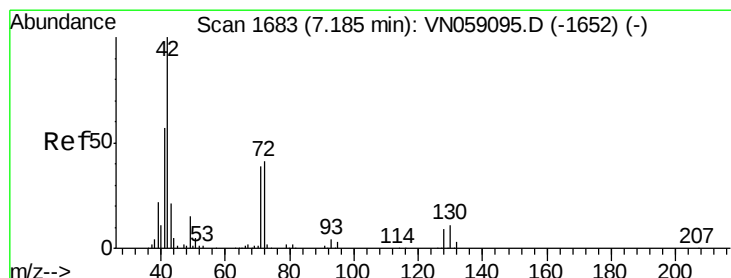
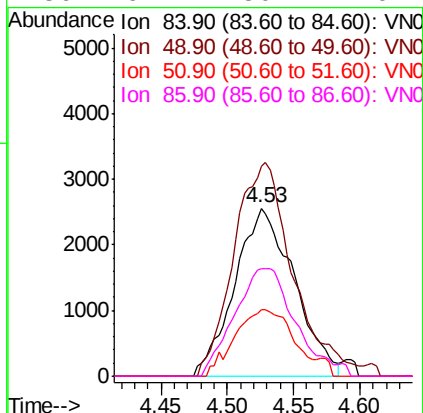
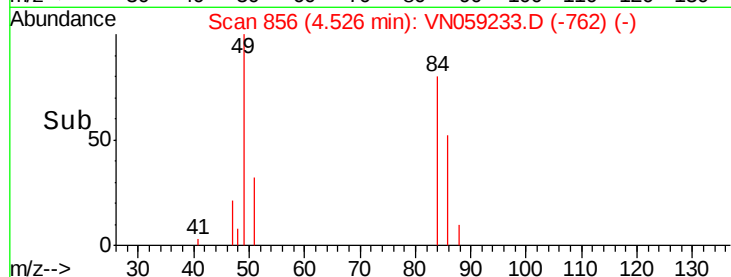
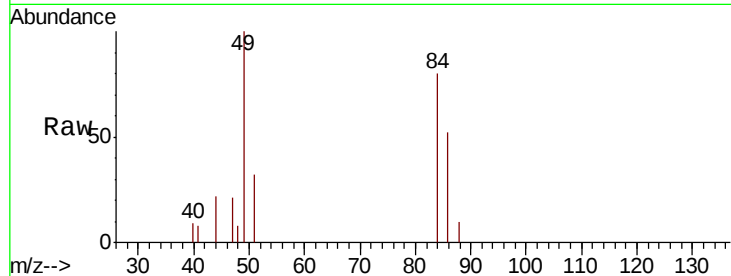




#20
Methvlene Chloride
Concen: 1.506 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059233.D
Acq: 14 Nov 2019 15:00

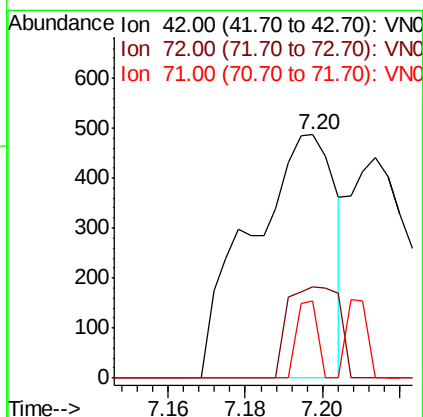
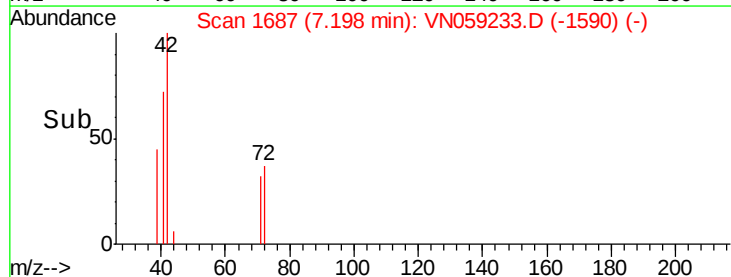
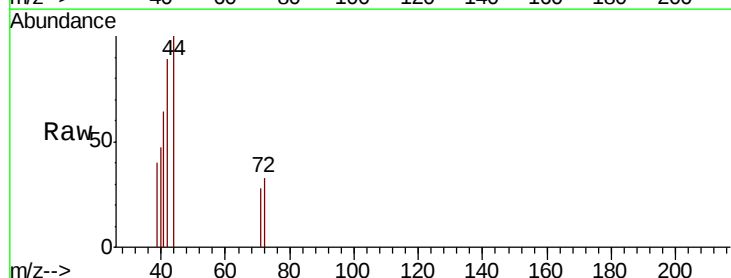
Instrument :
MSVOA_N
ClientSampleId :
LTM-TB11-SRI4

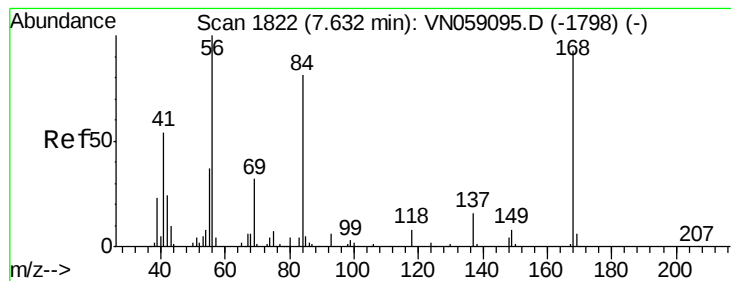
Tot Ion: 84 Resp: 8018
Ion Ratio Lower Upper
84 100
49 125.0 102.0 153.0
51 39.6 32.2 48.2
86 64.4 50.7 76.1



#29
Tetrahydrofuran
Concen: 0.288 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN059233.D
Acq: 14 Nov 2019 15:00

Tgt Ion: 42 Resp: 738
Ion Ratio Lower Upper
42 100
72 22.6 33.1 49.7#
71 8.0 30.9 46.3#





#31

Cyclohexane

Concen: 1.004 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059233.D

Acq: 14 Nov 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

LTM-TB11-SRI4

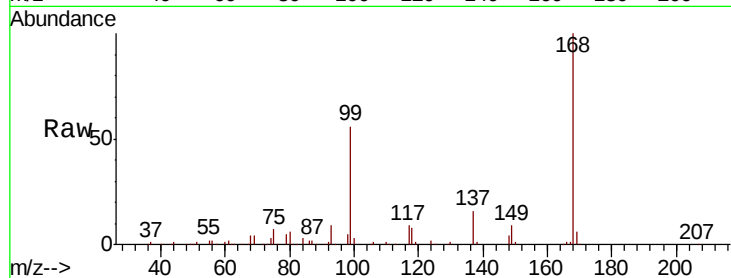
Tot Ion: 56 Resp: 9183

Ion Ratio Lower Upper

56 100

69 179.9 25.8 38.8#

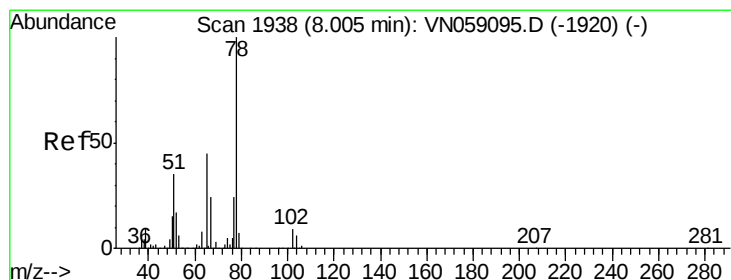
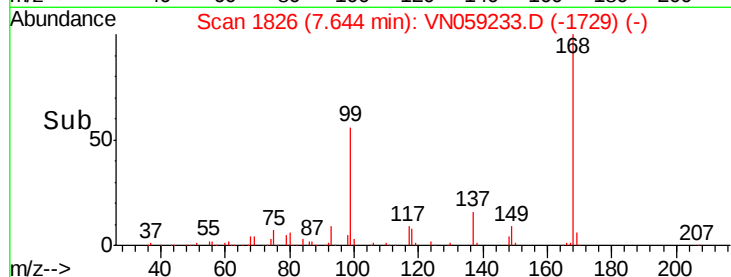
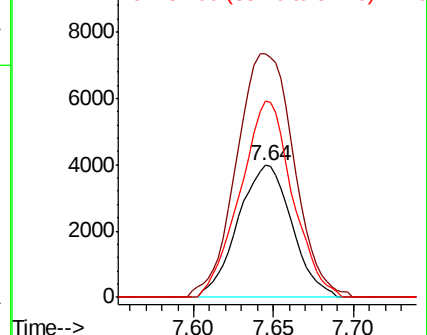
84 148.4 65.0 97.4#



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: 51.097 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059233.D

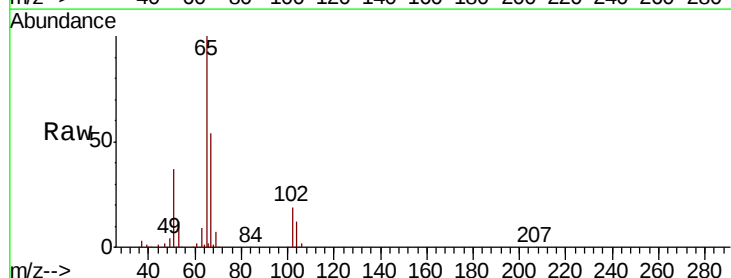
Acq: 14 Nov 2019 15:00

Tgt Ion: 65 Resp: 300338

Ion Ratio Lower Upper

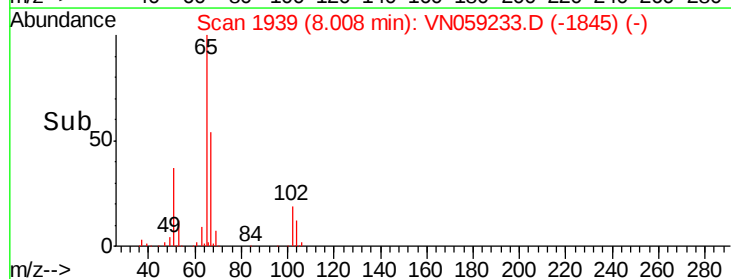
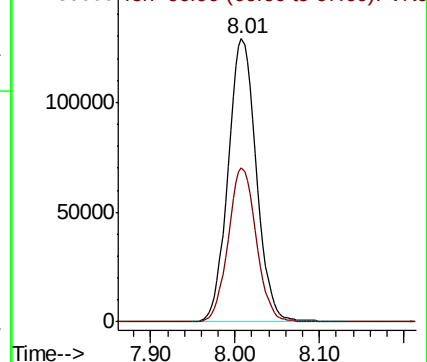
65 100

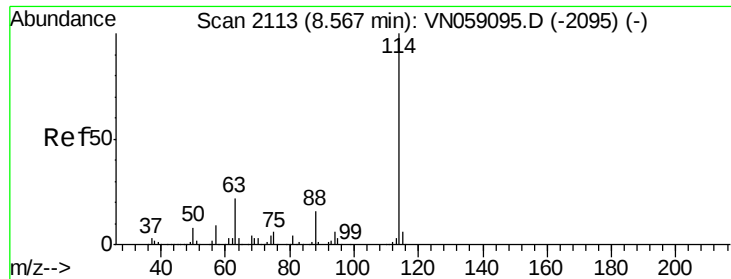
67 54.0 0.0 107.4



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# 2114

Delta R.T. 0.00 min

Lab File: VN059233.D

Acq: 14 Nov 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

LTM-TB11-SRI4

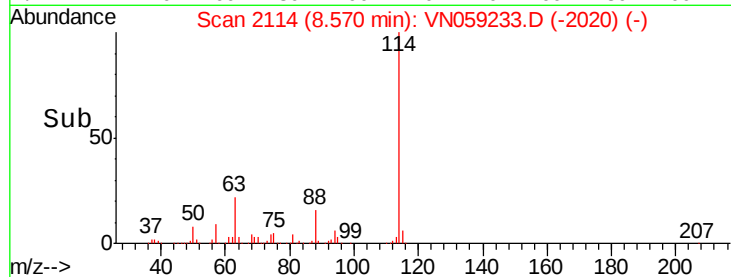
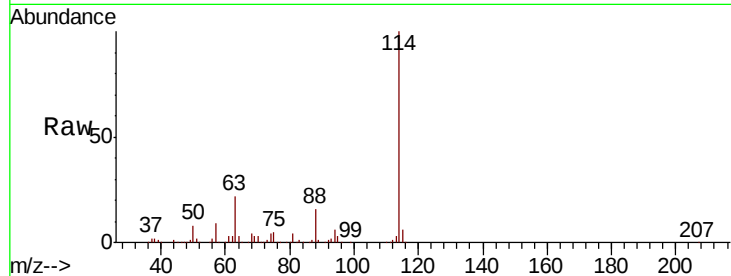
Tot Ion:114 Resp: 745233

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

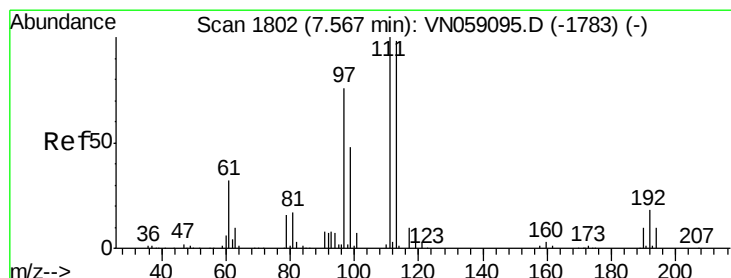
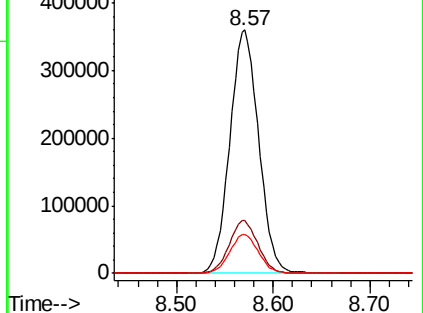
88 16.1 0.0 32.2



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: 52.866 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059233.D

Acq: 14 Nov 2019 15:00

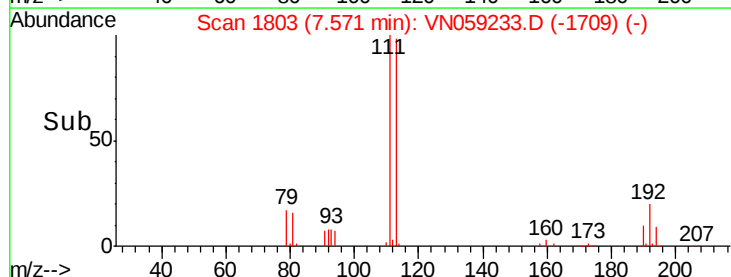
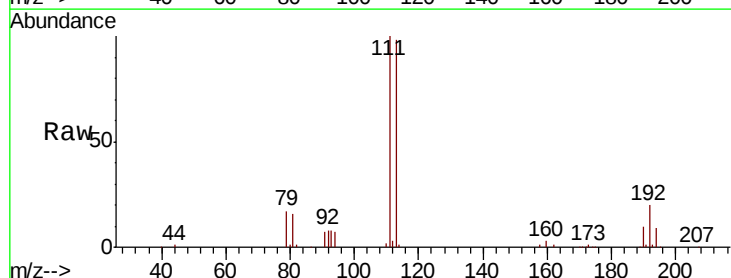
Tgt Ion:113 Resp: 235240

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

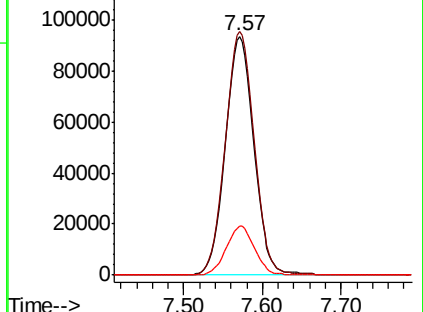
192 20.2 16.1 24.1

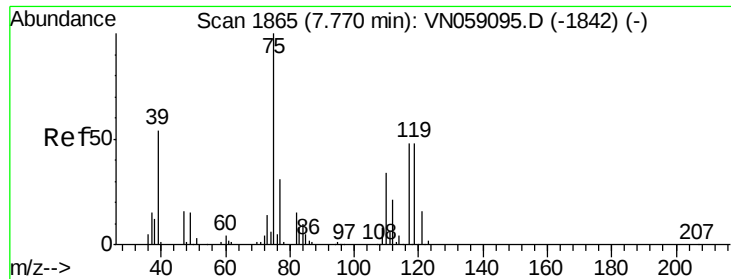


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

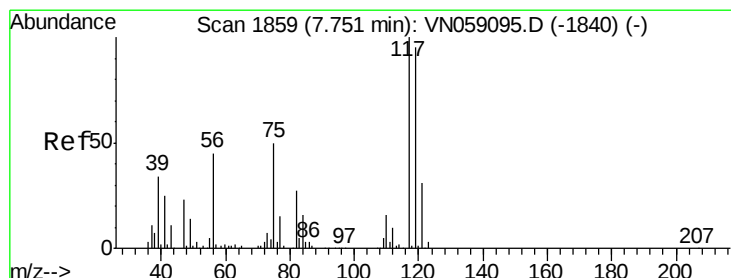
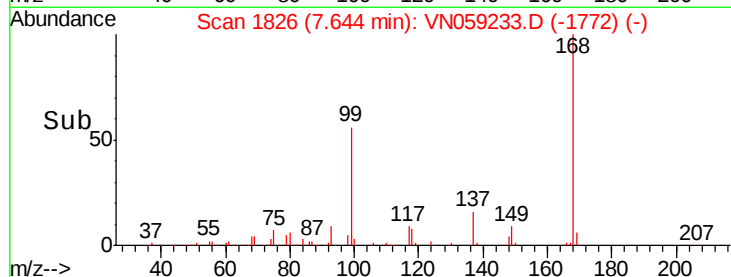
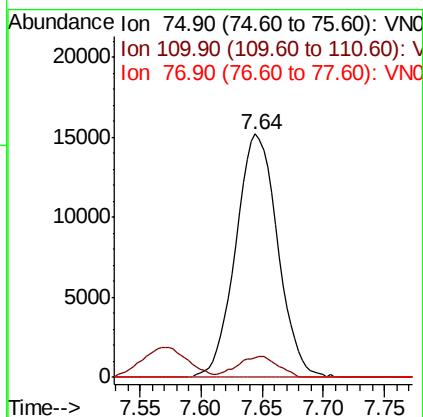
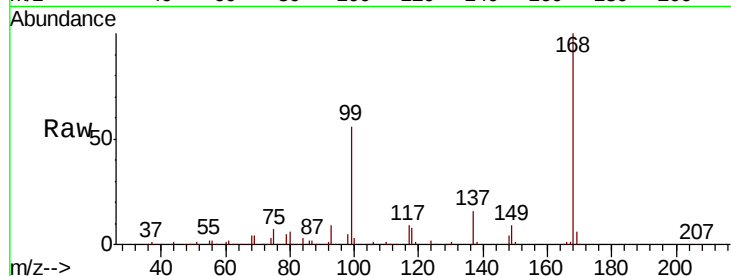




#36
 1,1-Dichloropropene
 Concen: 5.189 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059233.D
 Acq: 14 Nov 2019 15:00

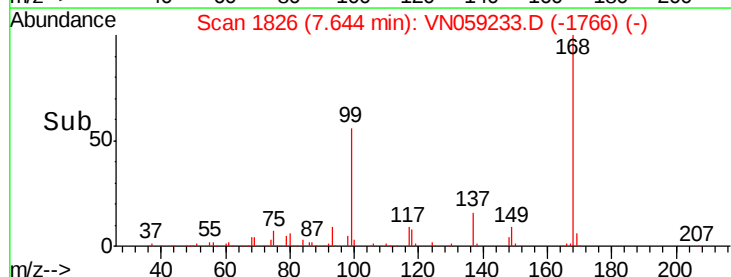
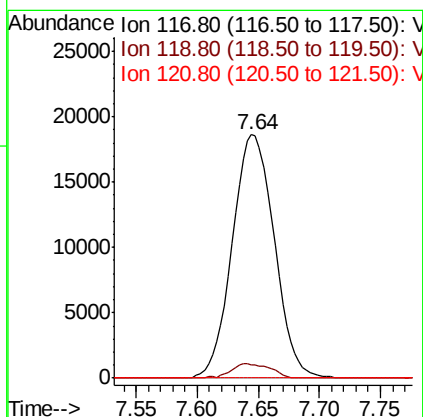
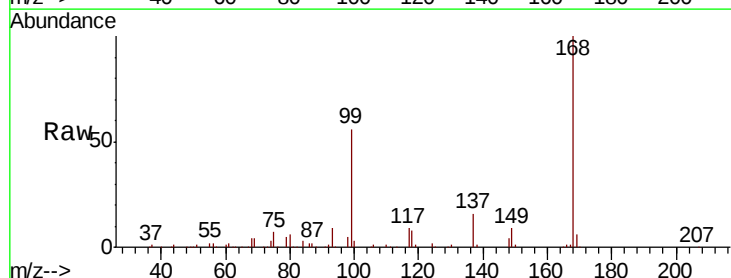
Instrument :
 MSVOA_N
 ClientSampleId :
 LTM-TB11-SRI4

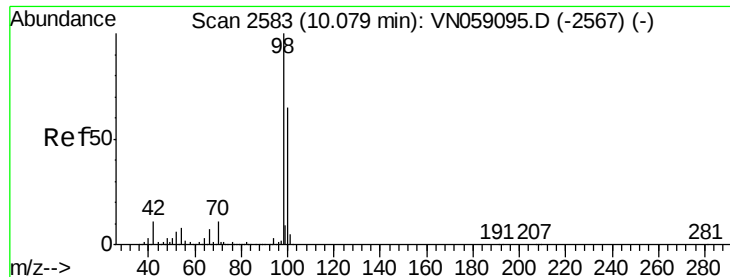
Tot Ion	75	Resp	36148
Ion Ratio	Lower	Upper	
75	100		
110	8.2	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.420 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059233.D
 Acq: 14 Nov 2019 15:00

Tgt Ion	117	Resp	44513
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.6	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 51.740 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059233.D

Acq: 14 Nov 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

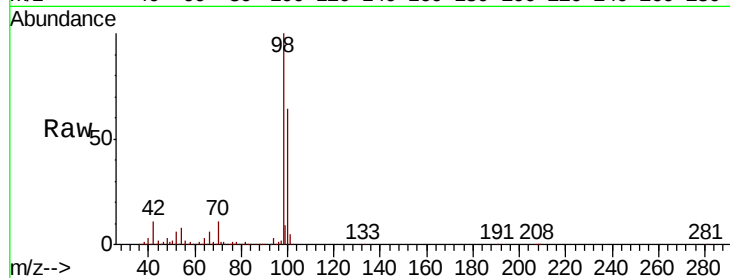
LTM-TB11-SRI4

Tot Ion: 98 Resp: 906852

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

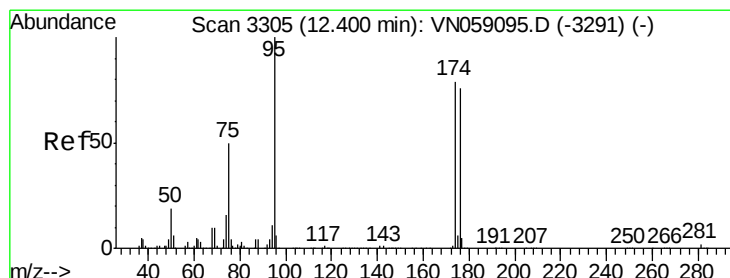
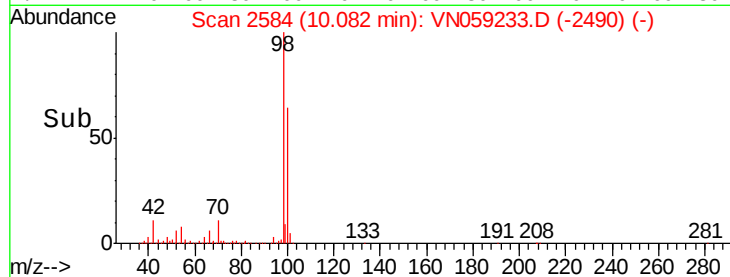
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.079 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059233.D

Acq: 14 Nov 2019 15:00

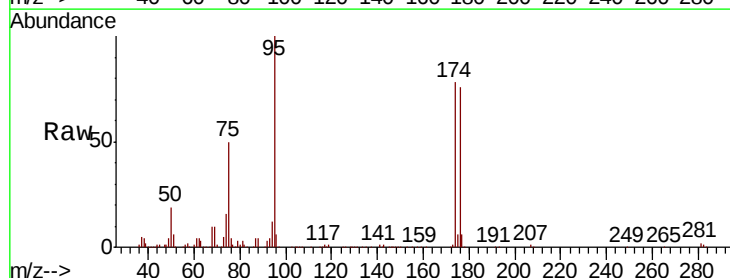
Tgt Ion: 95 Resp: 297525

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.2

176 75.9 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

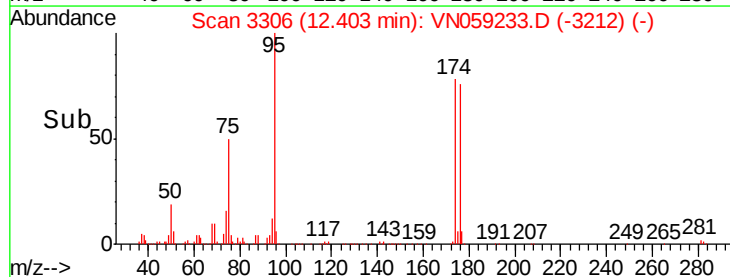
150000

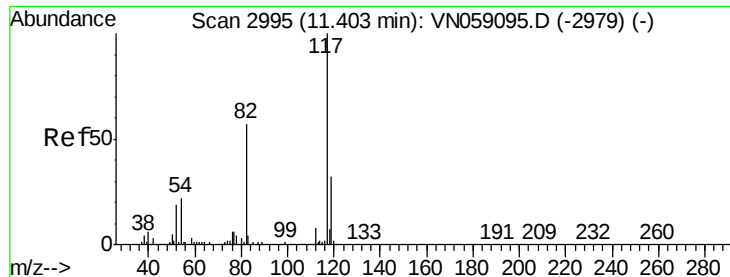
100000

50000

0

Time-->

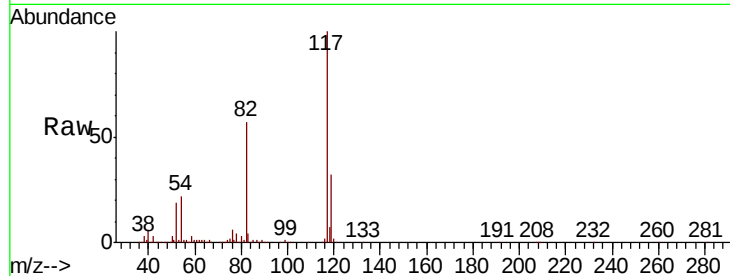




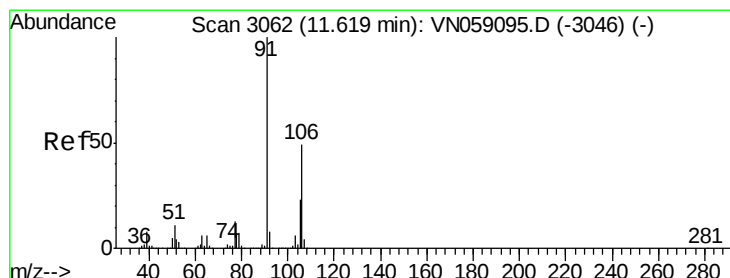
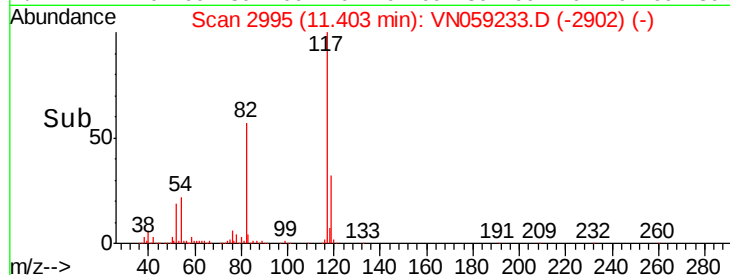
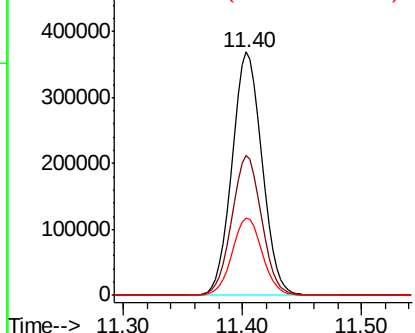
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059233.D
Acq: 14 Nov 2019 15:00

Instrument :
MSVOA_N
ClientSampleId :
LTM-TB11-SRI4

Tot Ion:117 Resp: 646153
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.8
119 32.0 25.8 38.6

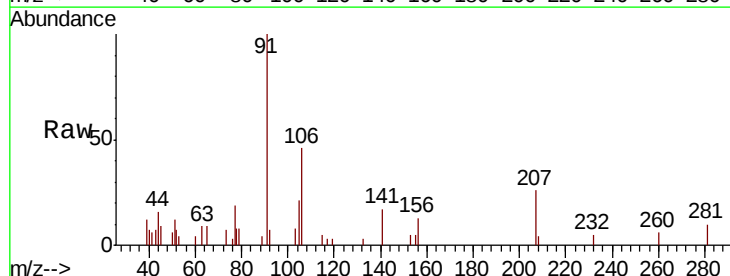


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

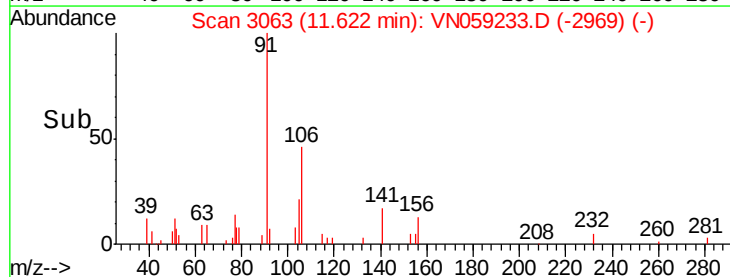
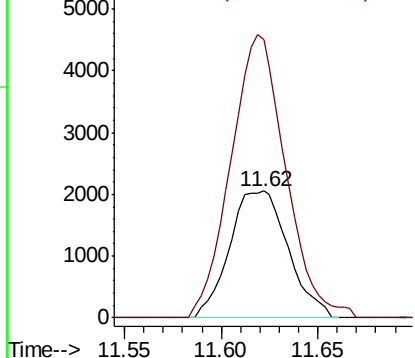


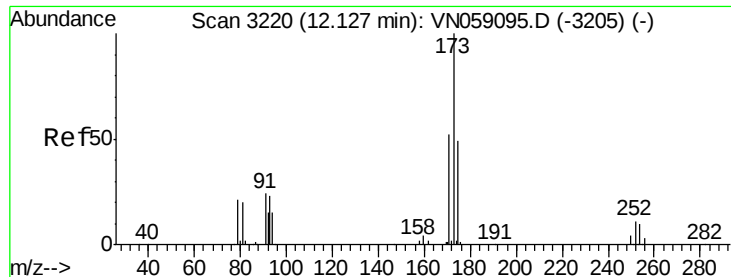
#68
m/p-Xylenes
Concen: 0.516 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059233.D
Acq: 14 Nov 2019 15:00

Tgt Ion:106 Resp: 4317
Ion Ratio Lower Upper
106 100
91 209.7 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.450 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059233.D

Acq: 14 Nov 2019 15:00

Instrument :

MSVOA_N

ClientSampled :

LTM-TB11-SRI4

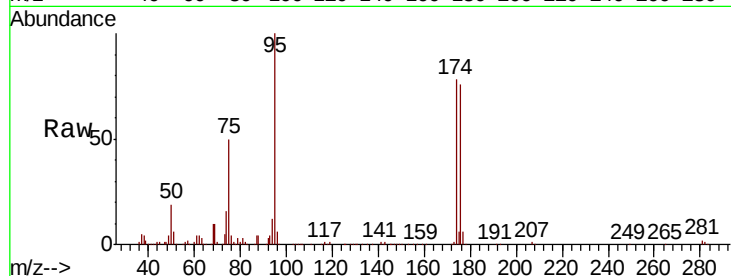
Tot Ion:173 Resp: 1653

Ion Ratio Lower Upper

173 100

175 910.3 24.2 72.6#

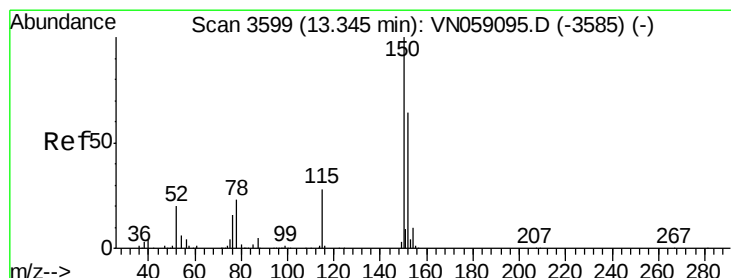
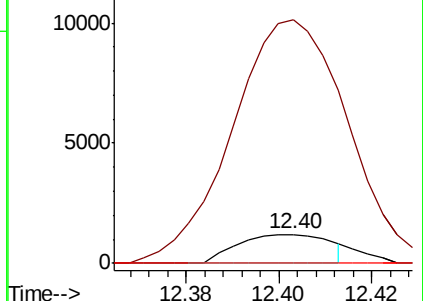
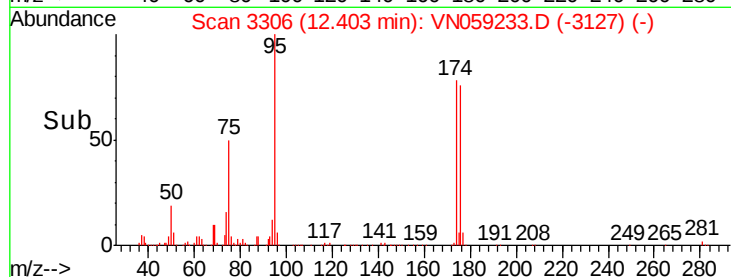
254 0.0 0.1 0.1#



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: VN059233.D

Acq: 14 Nov 2019 15:00

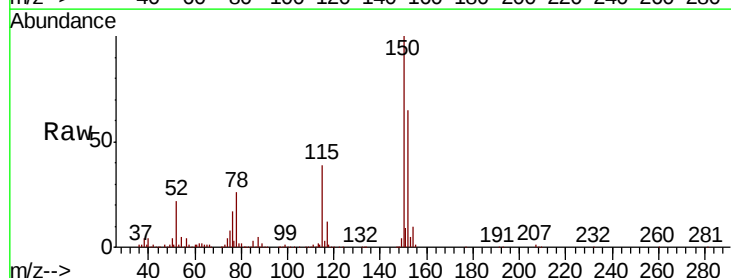
Tgt Ion:152 Resp: 248956

Ion Ratio Lower Upper

152 100

115 59.5 29.4 88.2

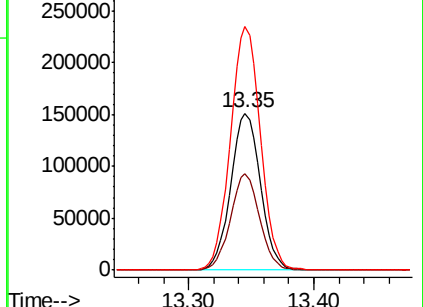
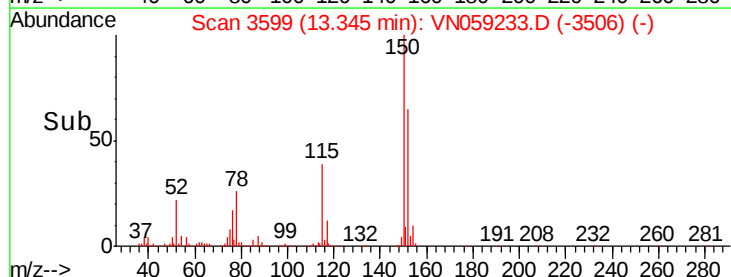
150 156.0 0.0 345.8

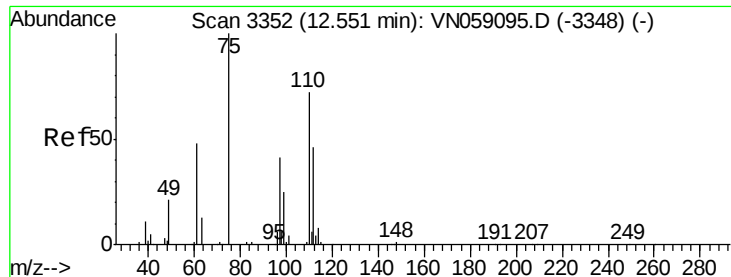


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.383 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059233.D

Acq: 14 Nov 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

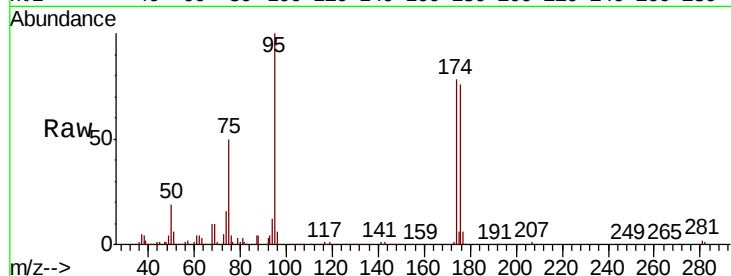
LTM-TB11-SRI4

Tot Ion: 75 Resp: 149539

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

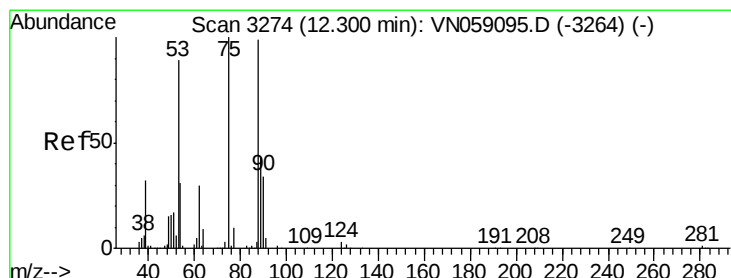
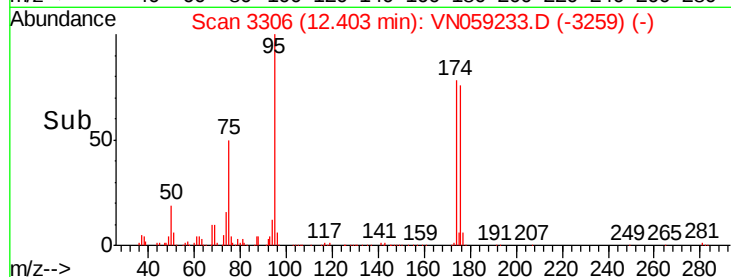
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 69.686 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059233.D

Acq: 14 Nov 2019 15:00

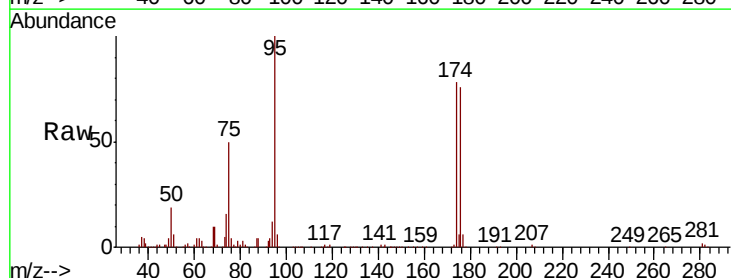
Tgt Ion: 75 Resp: 149539

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

120000

100000

80000

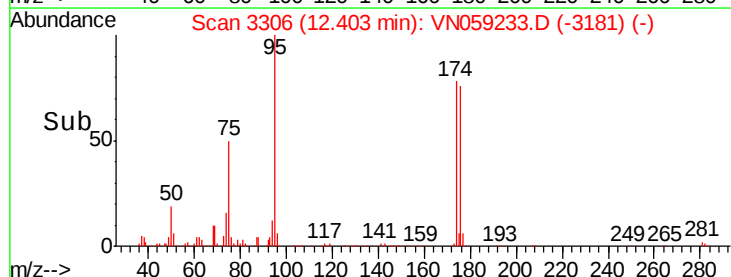
60000

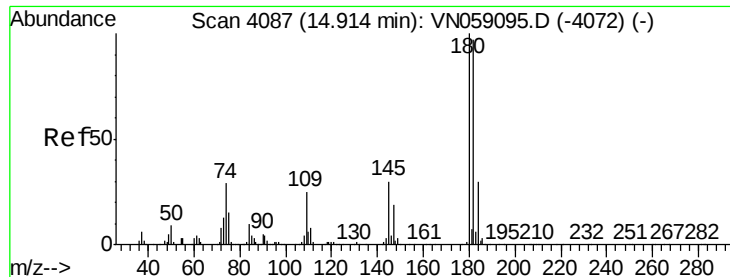
40000

20000

0

Time--> 12.30 12.40 12.50

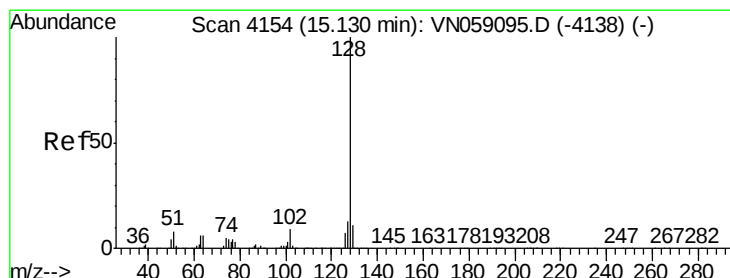
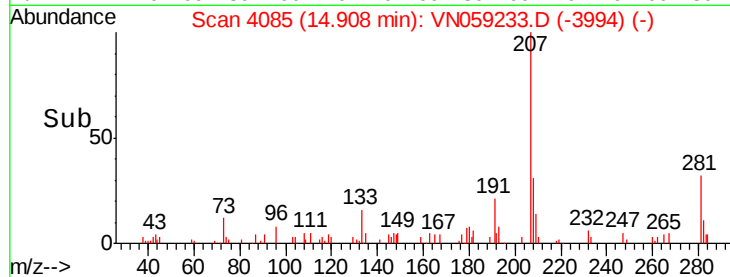
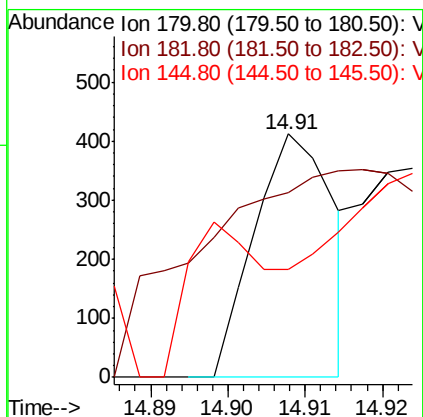
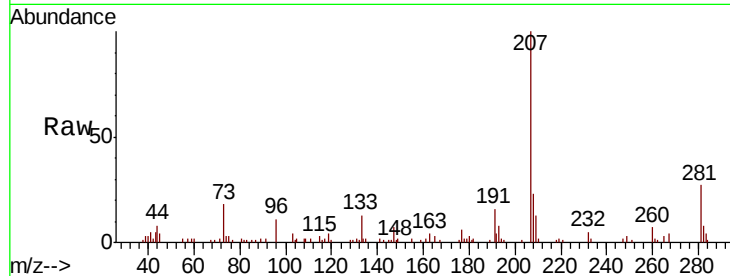




#93
 1,2,4-Trichlorobenzene
 Concen: 3.106 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.01 min
 Lab File: VN059233.D
 Acq: 14 Nov 2019 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 LTM-TB11-SRI4

Tot Ion	Ratio	Lower	Upper
180	100		
182	273.8	48.1	144.3#
145	99.7	15.1	45.3#



#95
 Naphthalene
 Concen: 3.189 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN059233.D
 Acq: 14 Nov 2019 15:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	20.0	8.6	12.8#

