

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111519\
 Data File : VN059250.D
 Acq On : 15 Nov 2019 9:28
 Operator : JC/SP
 Sample : VN1115WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBL01

Quant Time: Nov 15 15:07:50 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	420590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	649572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	556867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	198975	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	266598	51.56	ug/l	0.00
Spiked Amount						
			Recovery	=	103.12%	
35) Dibromofluoromethane	7.57	113	208180	53.67	ug/l	0.00
Spiked Amount						
			Recovery	=	107.34%	
50) Toluene-d8	10.08	98	792913	51.90	ug/l	0.00
Spiked Amount						
			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.40	95	244482	44.38	ug/l	0.00
Spiked Amount						
			Recovery	=	88.76%	

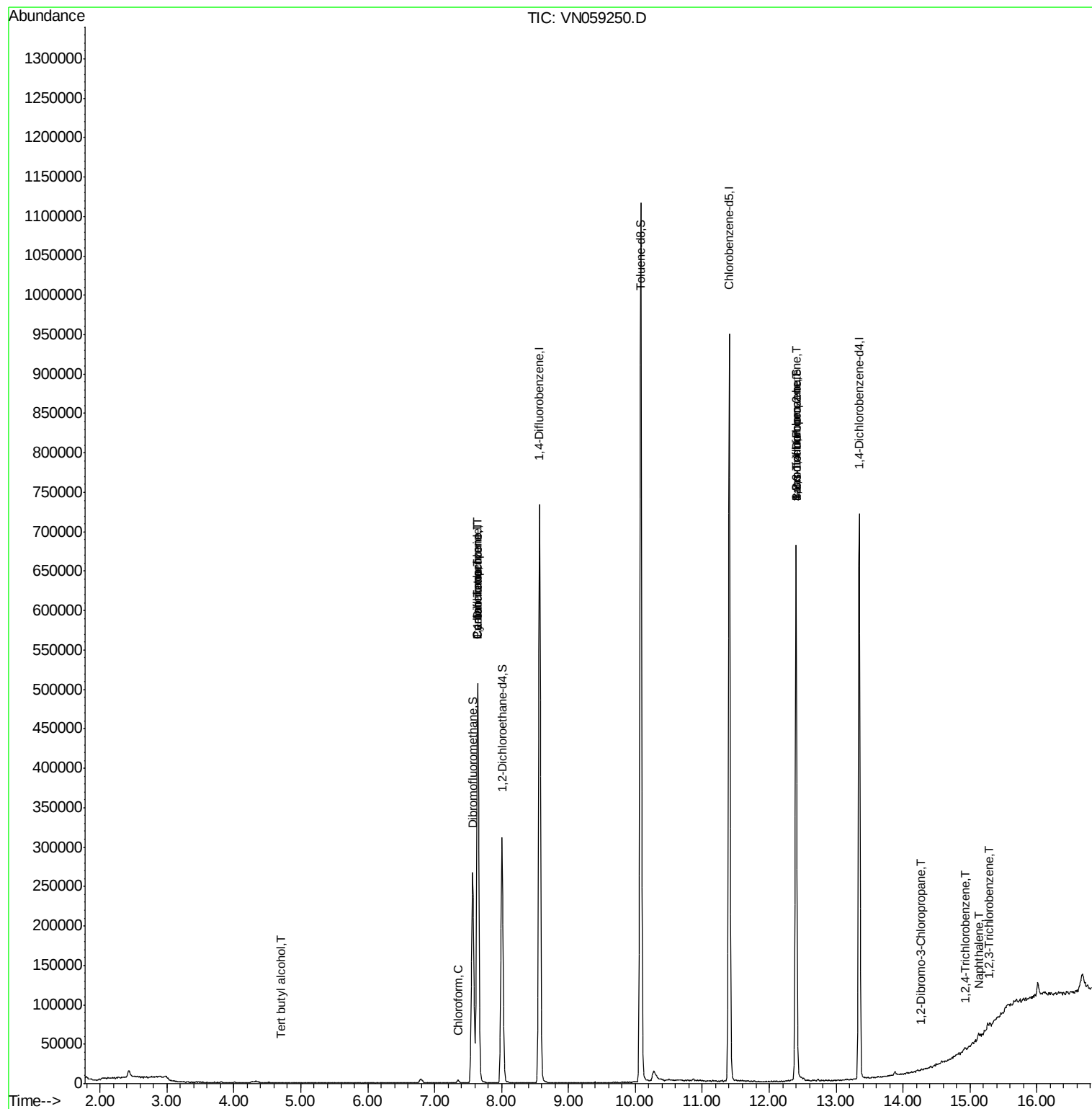
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	301	0.305	ug/l #	72
30) Chloroform	7.35	83	3838	0.471	ug/l #	82
31) Cyclohexane	7.64	56	8459	1.051	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31718	5.224	ug/l #	50
38) Carbon Tetrachloride	7.64	117	39992	6.618	ug/l #	17
71) Bromoform	12.40	173	1353	0.427	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	120025	26.496	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	120025	69.982	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	224	0.254	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	794	3.247	ug/l	83
95) Naphthalene	15.13	128	3525	3.366	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	1487	0.433	ug/l #	81

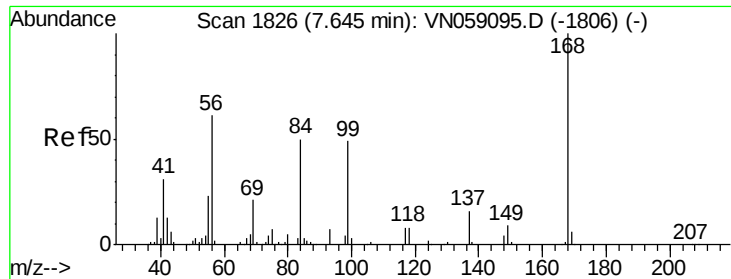
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN111519\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

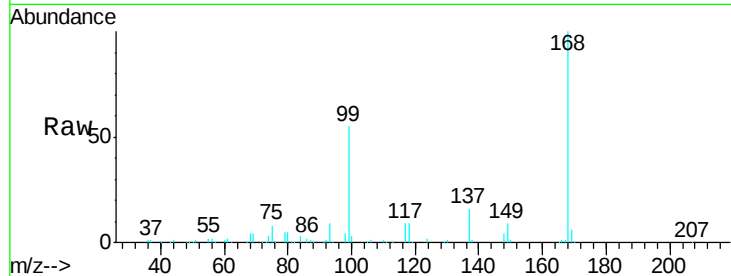
VN1115WBL01

Tgt Ion: 168 Resp: 420590

Ion Ratio Lower Upper

168 100

99 55.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

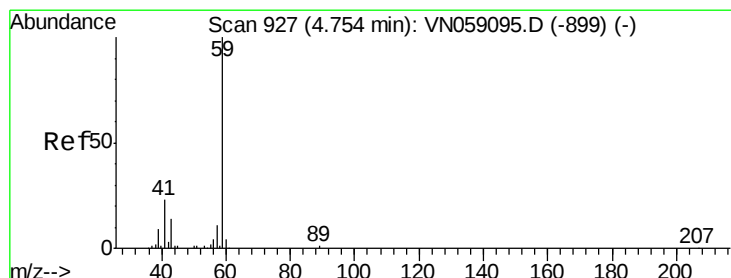
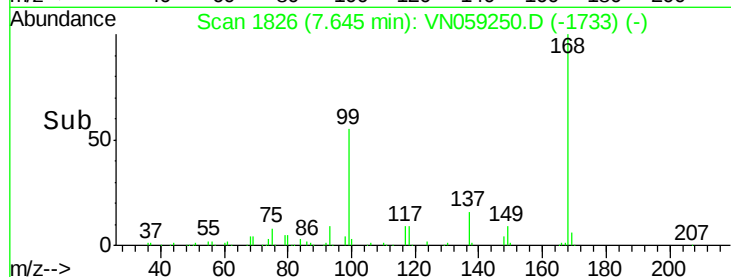
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.305 ug/l

RT: 4.71 min Scan# 913

Delta R.T. -0.05 min

Lab File: VN059250.D

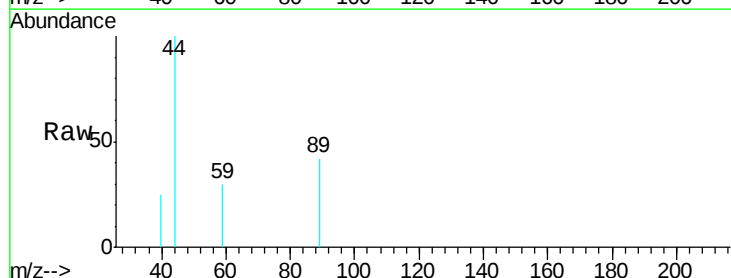
Acq: 15 Nov 2019 9:28

Tgt Ion: 59 Resp: 301

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

200

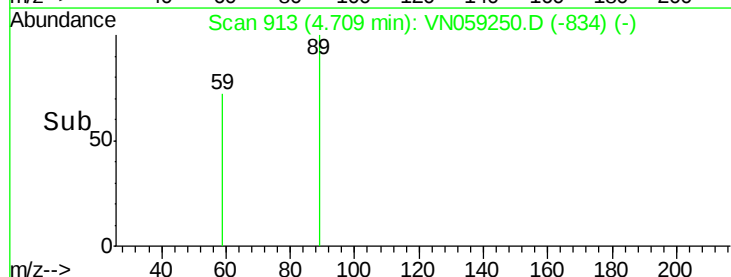
150

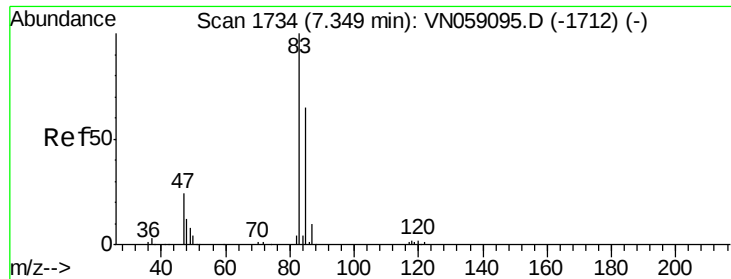
100

50

0

Time--> 4.70 4.72 4.74

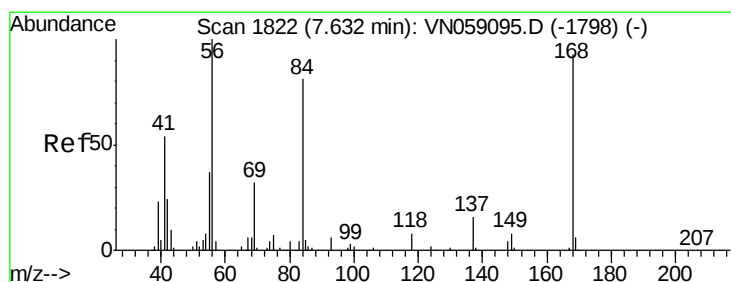
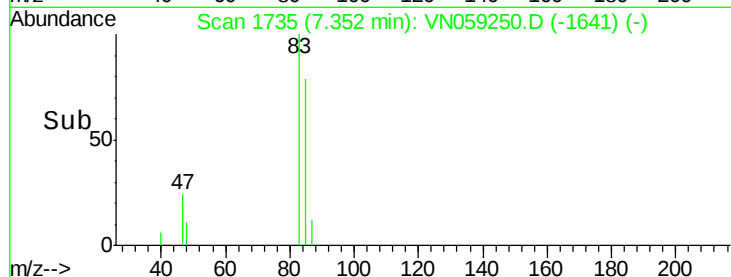
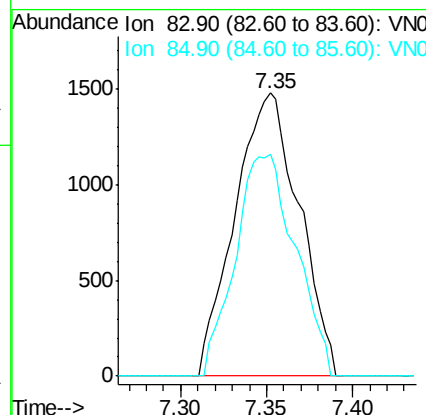
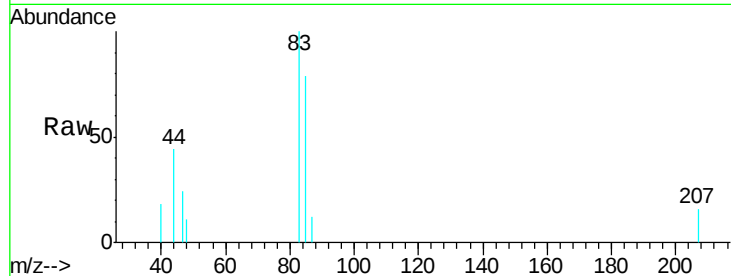




#30
Chloroform
Concen: 0.471 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059250.D
Acq: 15 Nov 2019 9:28

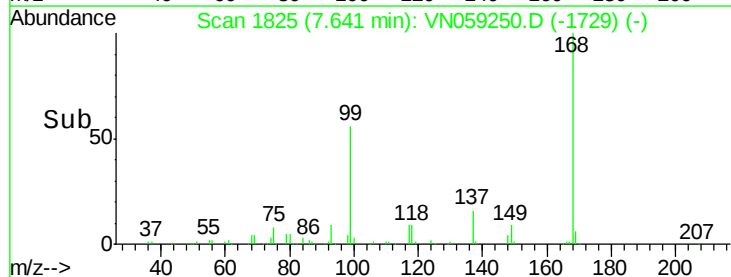
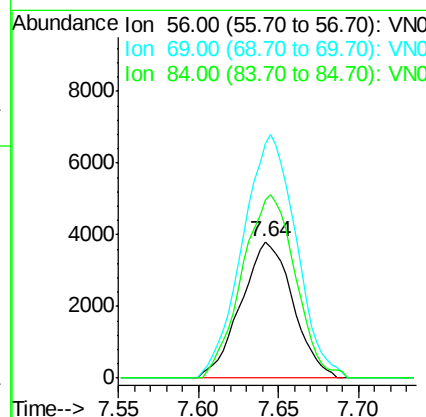
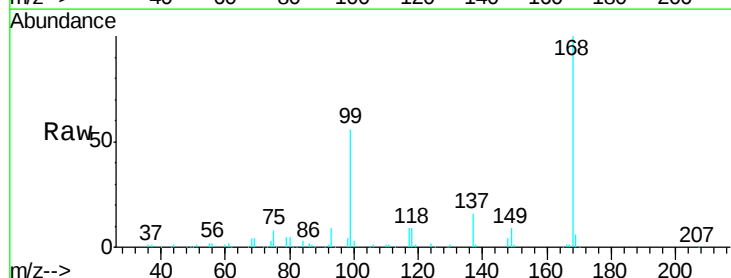
Instrument :
MSVOA_N
ClientSampleId :
VN1115WBL01

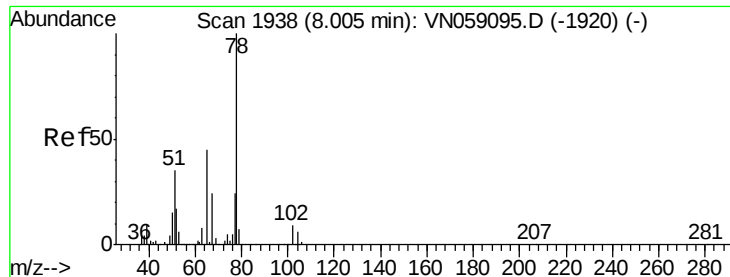
Tgt Ion: 83 Resp: 3838
Ion Ratio Lower Upper
83 100
85 78.6 51.8 77.8#



#31
Cyclohexane
Concen: 1.051 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059250.D
Acq: 15 Nov 2019 9:28

Tgt Ion: 56 Resp: 8459
Ion Ratio Lower Upper
56 100
69 172.3 25.8 38.8#
84 131.2 65.0 97.4#

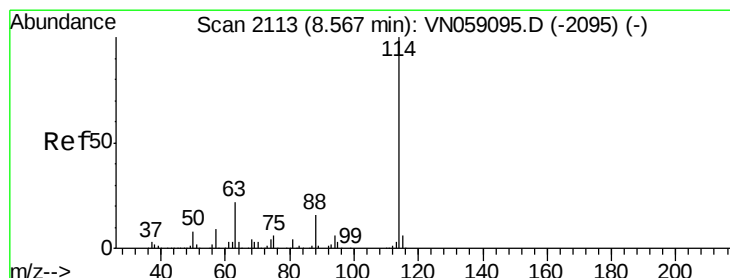
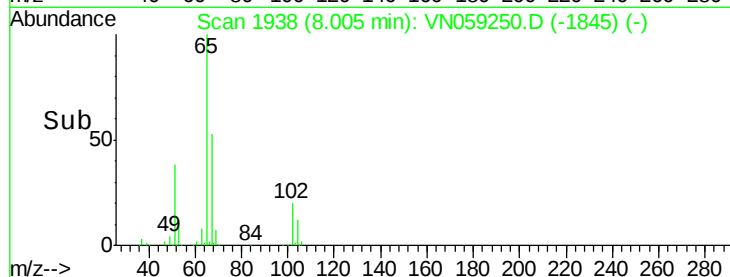
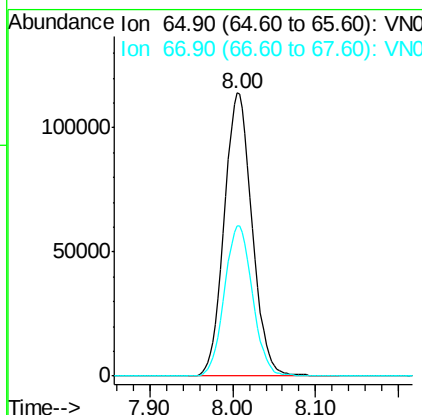
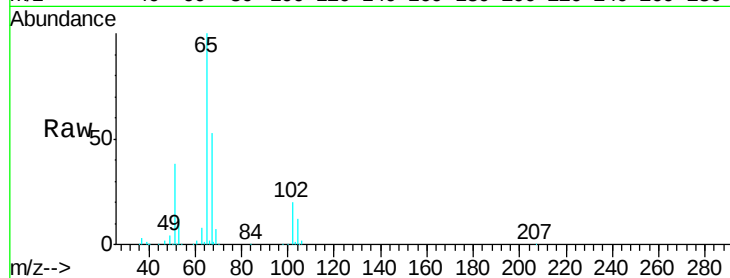




#33
 1,2-Dichloroethane-d4
 Concen: 51.565 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059250.D
 Acq: 15 Nov 2019 9:28

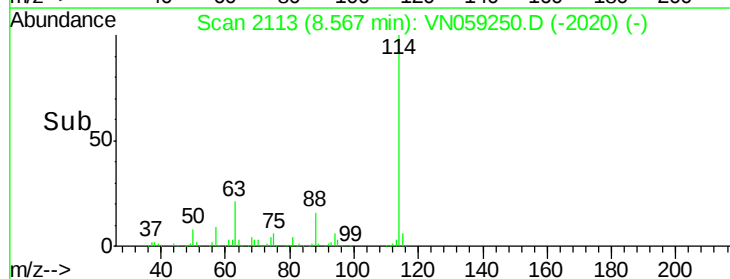
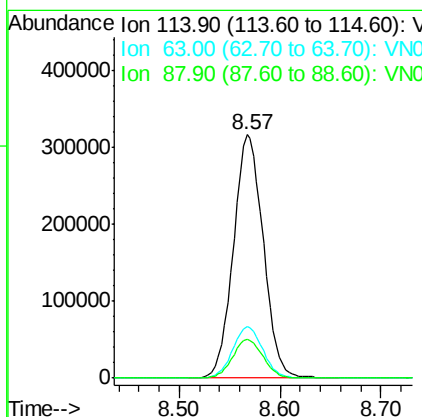
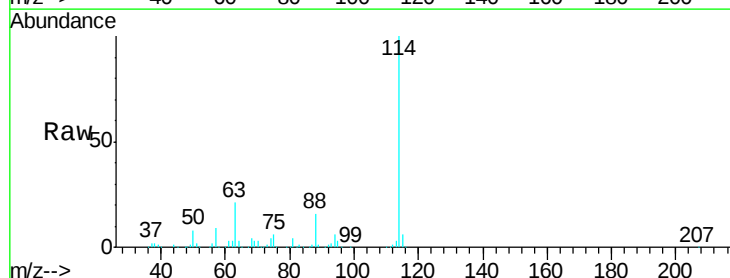
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBL01

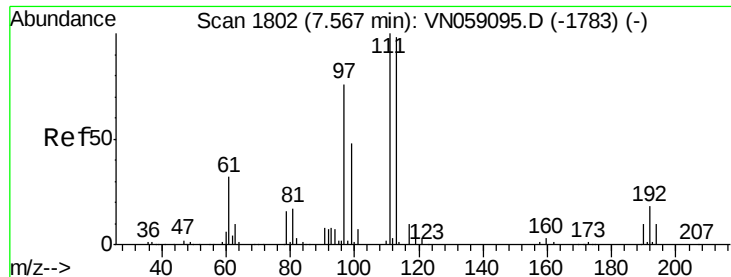
Tgt Ion: 65 Resp: 266598
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059250.D
 Acq: 15 Nov 2019 9:28

Tgt Ion: 114 Resp: 649572
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 16.0 0.0 32.2

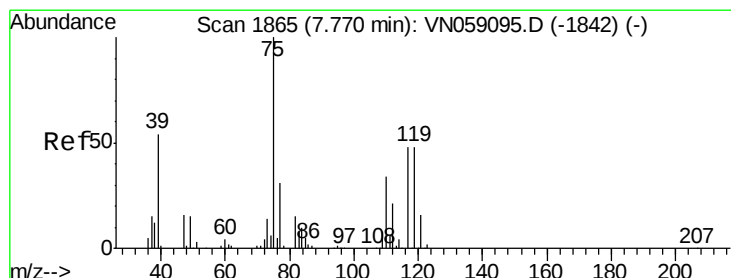
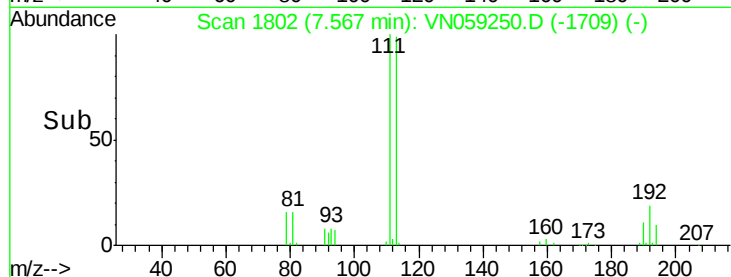
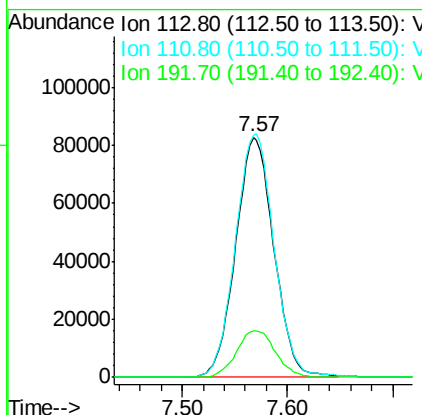
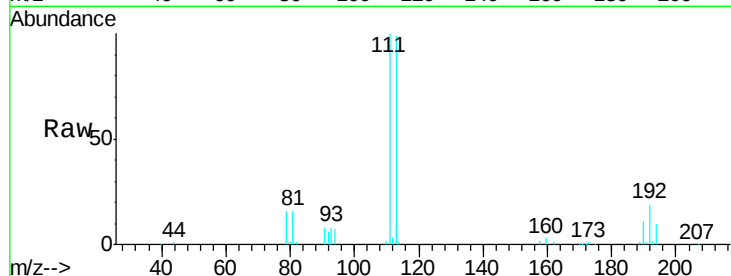




#35
 Dibromofluoromethane
 Concen: 53.674 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059250.D
 Acq: 15 Nov 2019 9:28

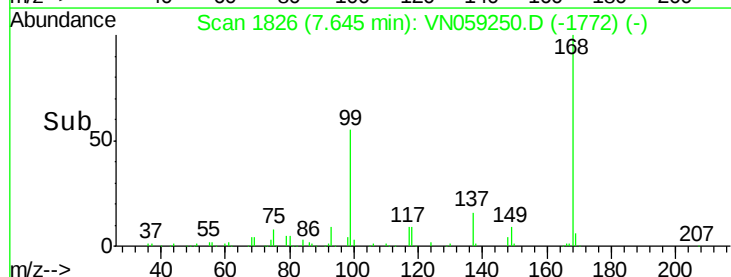
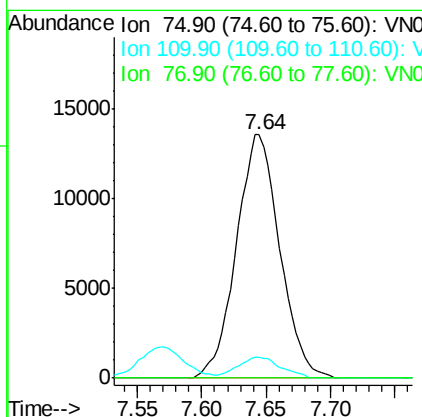
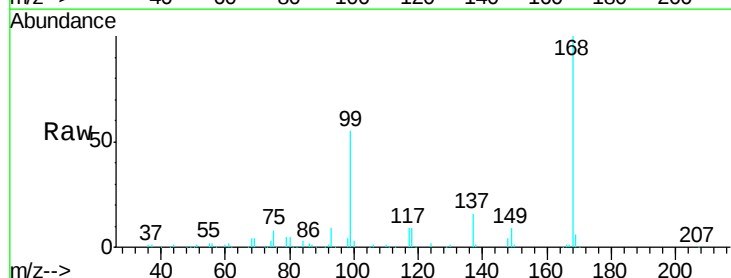
Instrument :
 MSVOA_N
 ClientSampled :
 VN1115WBL01

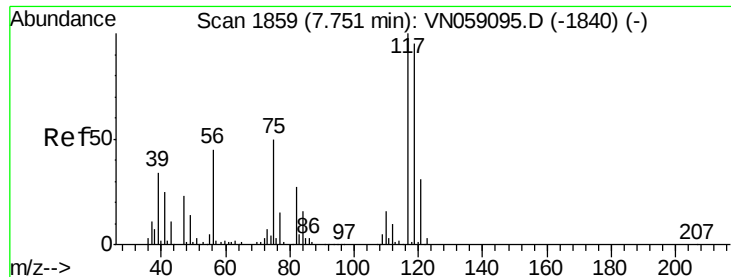
Tgt Ion:113 Resp: 208180
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 19.9 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.224 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059250.D
 Acq: 15 Nov 2019 9:28

Tgt Ion: 75 Resp: 31718
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.1 51.2#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.618 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBL01

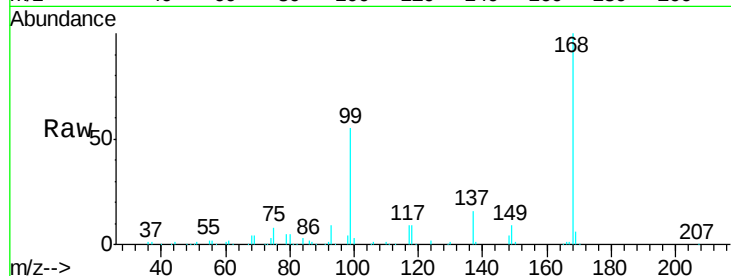
Tgt Ion:117 Resp: 39992

Ion Ratio Lower Upper

117 100

119 5.3 75.6 113.4#

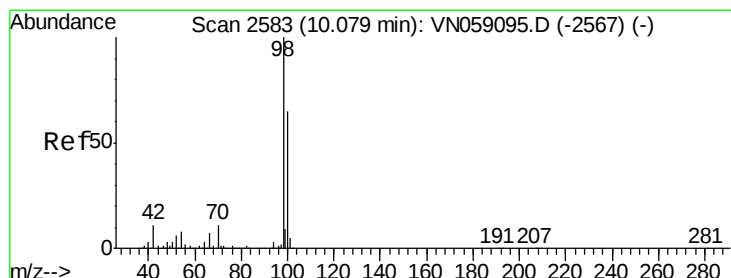
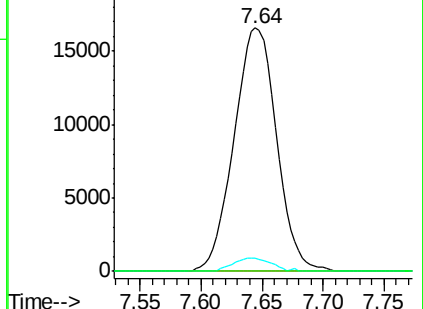
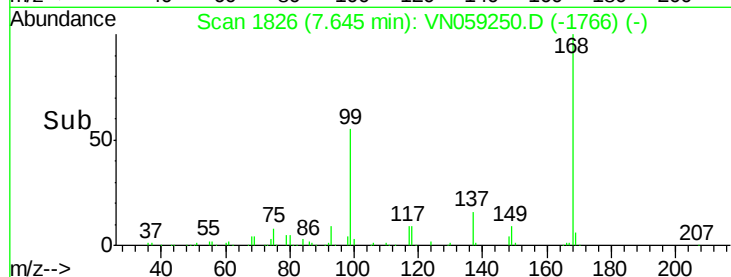
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.901 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059250.D

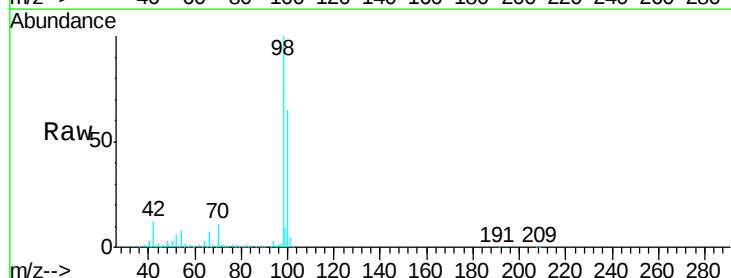
Acq: 15 Nov 2019 9:28

Tgt Ion: 98 Resp: 792913

Ion Ratio Lower Upper

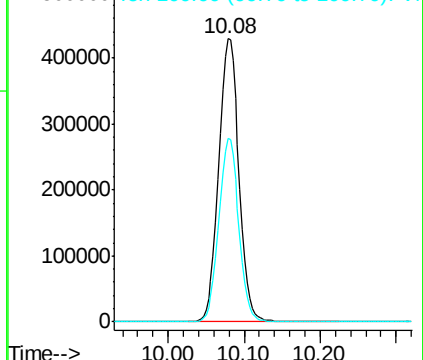
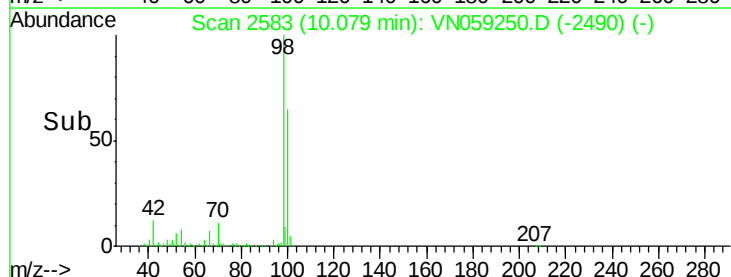
98 100

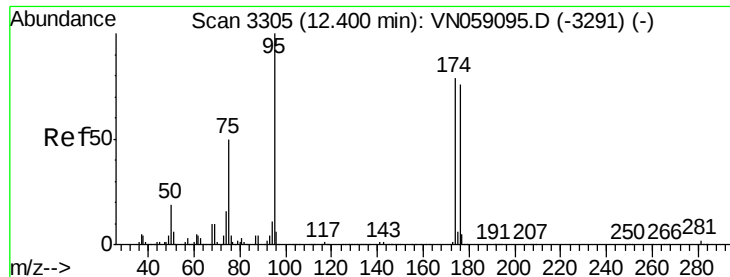
100 63.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 44.383 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBL01

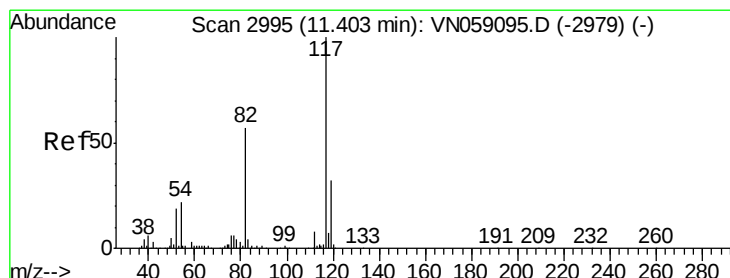
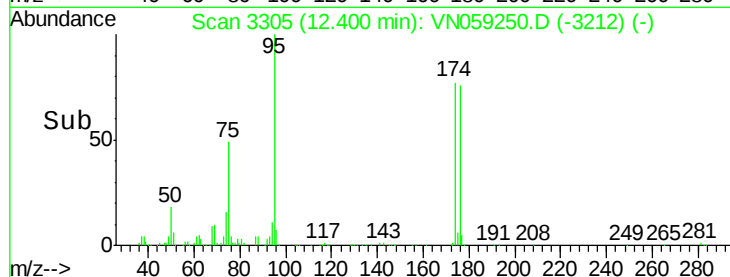
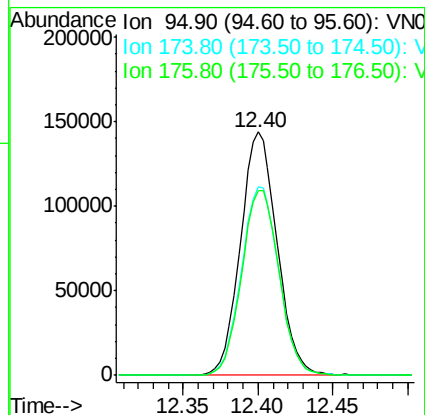
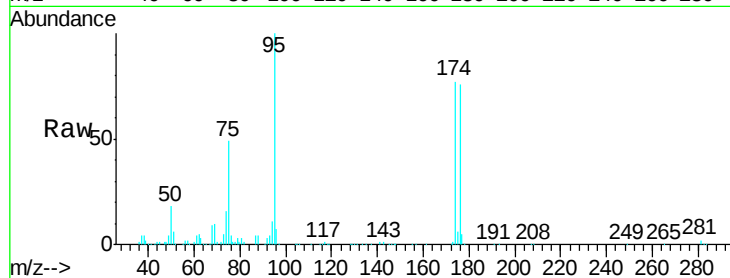
Tgt Ion: 95 Resp: 244482

Ion Ratio Lower Upper

95 100

174 79.6 0.0 158.2

176 78.1 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

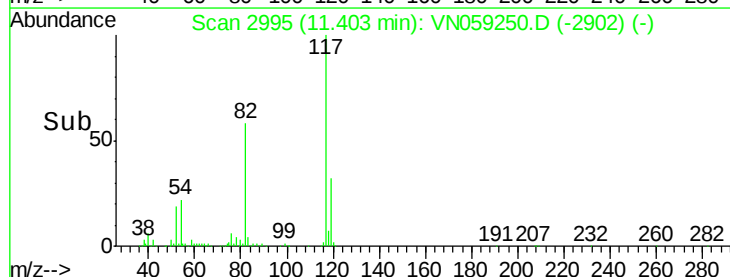
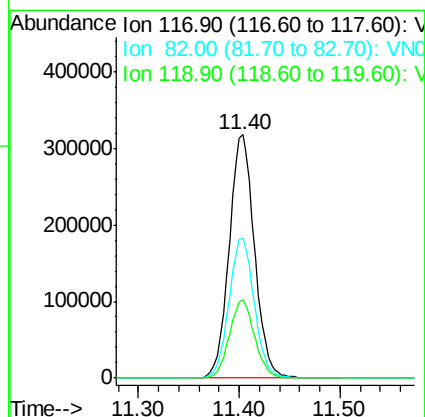
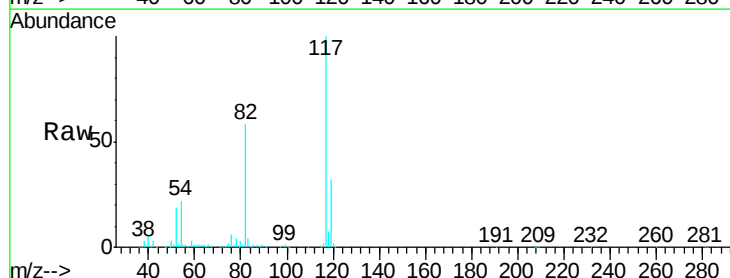
Tgt Ion: 117 Resp: 556867

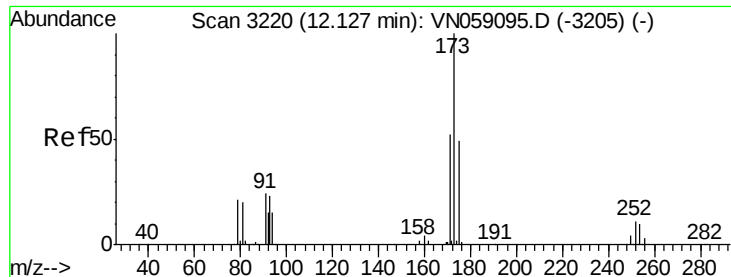
Ion Ratio Lower Upper

117 100

82 57.6 45.8 68.8

119 32.2 25.8 38.6

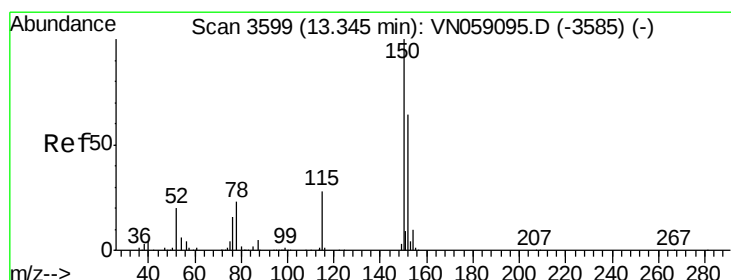
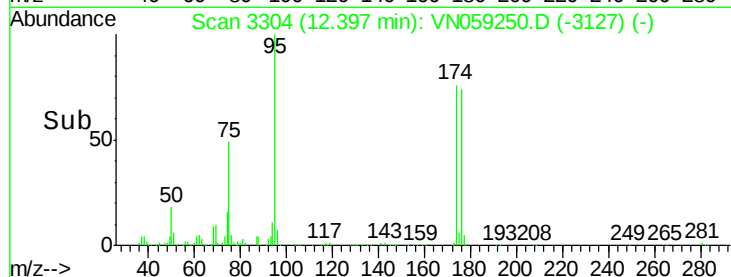
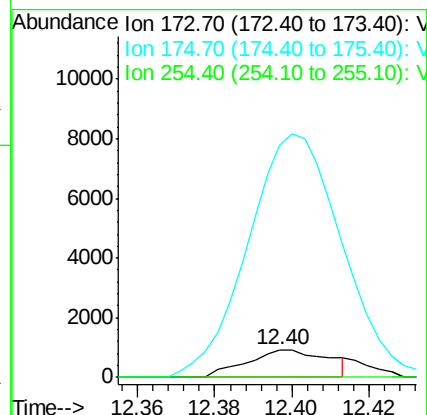
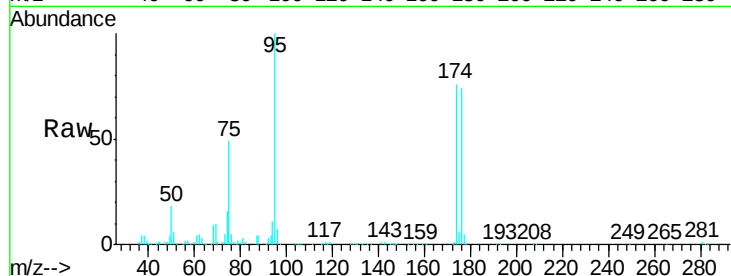




#71
Bromoform
Concen: 0.427 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN059250.D
Acq: 15 Nov 2019 9:28

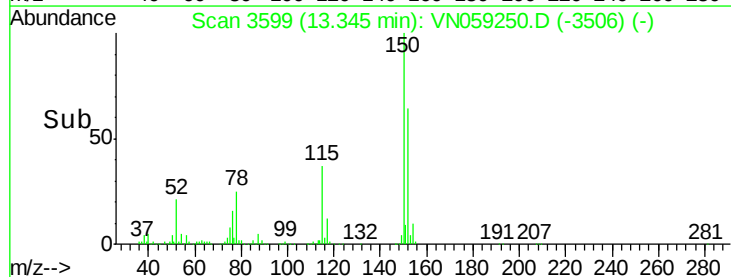
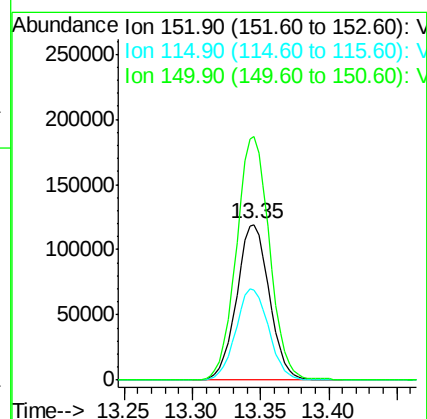
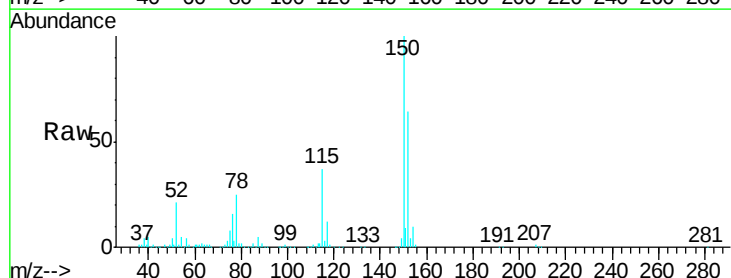
Instrument :
MSVOA_N
ClientSampled :
VN1115WBL01

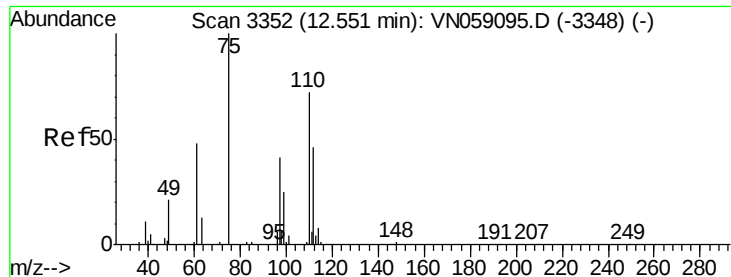
Tgt Ion:173 Resp: 1353
Ion Ratio Lower Upper
173 100
175 900.1 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059250.D
Acq: 15 Nov 2019 9:28

Tgt Ion:152 Resp: 198975
Ion Ratio Lower Upper
152 100
115 59.0 29.4 88.2
150 158.5 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 26.496 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

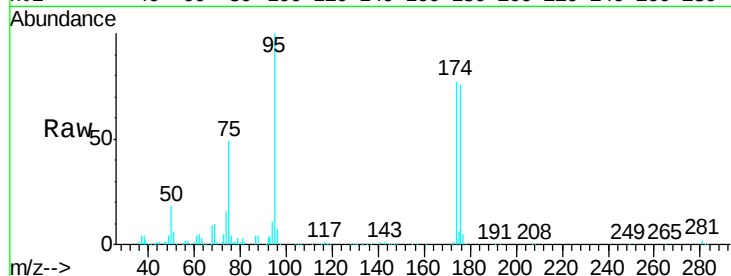
VN1115WBL01

Tgt Ion: 75 Resp: 120025

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

12.40

80000

60000

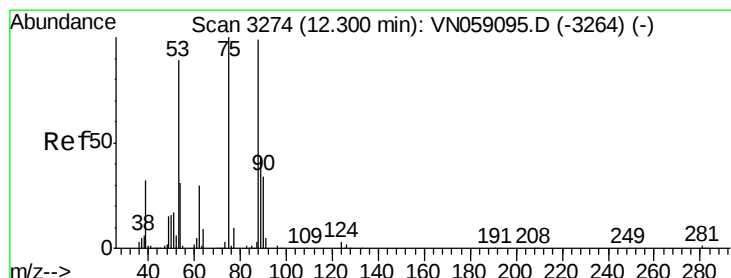
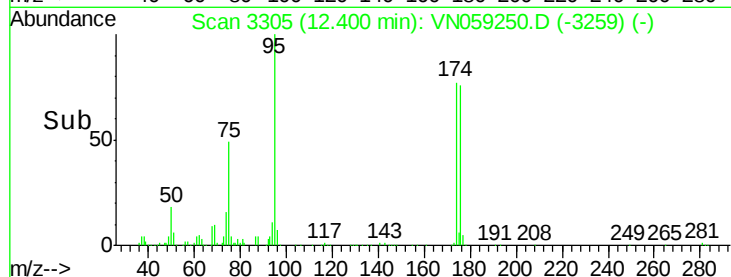
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 69.982 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

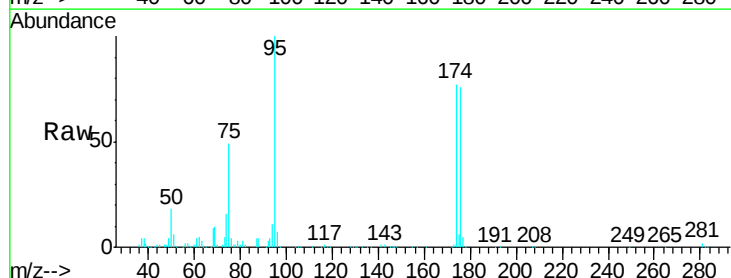
Tgt Ion: 75 Resp: 120025

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

12.40

80000

60000

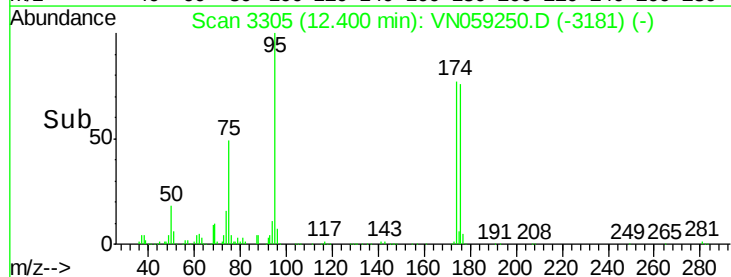
40000

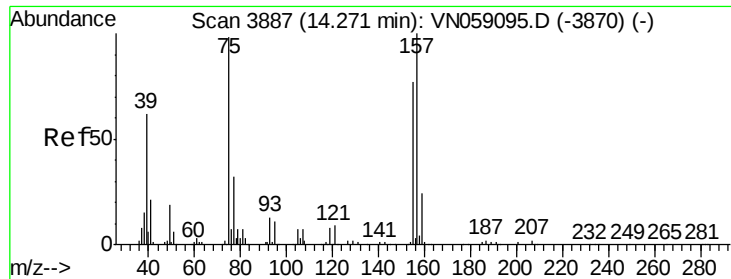
20000

0

12.35 12.40 12.45

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.254 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBL01

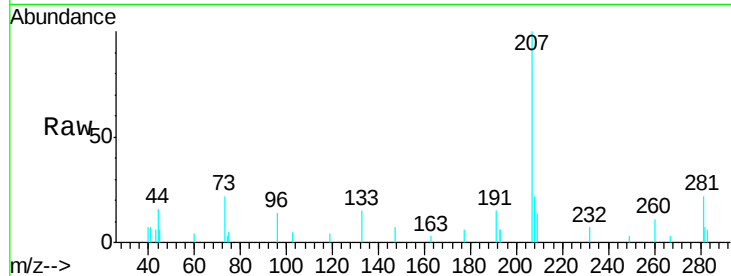
Tgt Ion: 75 Resp: 224

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#

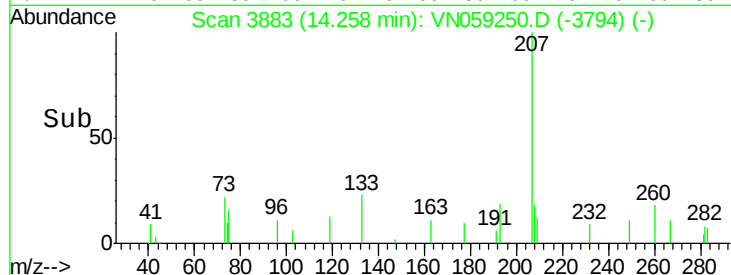


Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059095.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059095.D (-3870) (-)

Time-->

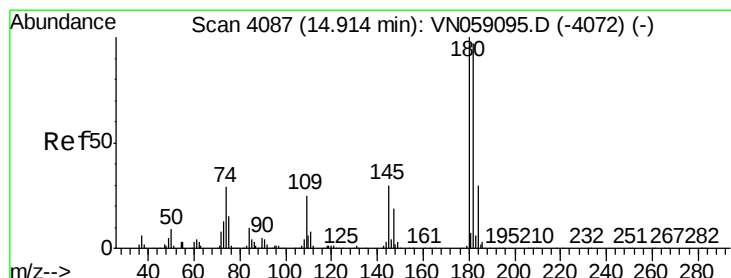


Abundance Ion 74.90 (74.60 to 75.60): VN059250.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN059250.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN059250.D (-3794) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.247 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

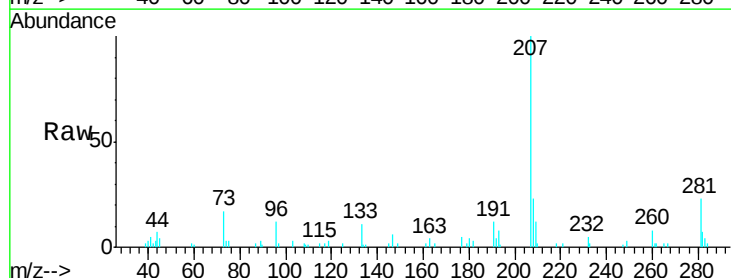
Tgt Ion: 180 Resp: 794

Ion Ratio Lower Upper

180 100

182 82.6 48.1 144.3

145 44.1 15.1 45.3

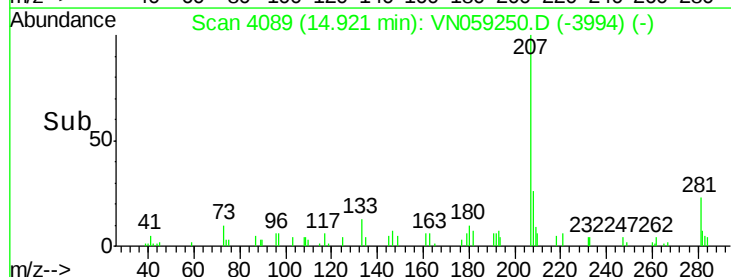


Abundance Ion 179.80 (179.50 to 180.50): VN059095.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059095.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059095.D (-4072) (-)

Time-->

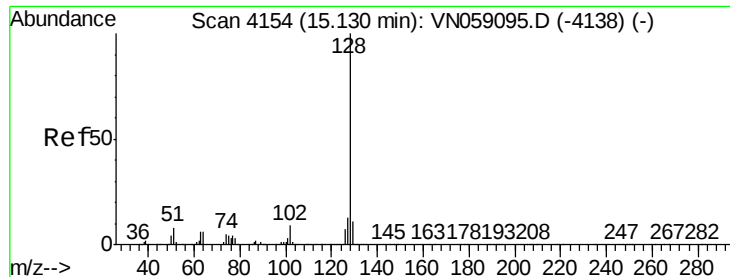


Abundance Ion 179.80 (179.50 to 180.50): VN059250.D (-3994) (-)

Ion 181.80 (181.50 to 182.50): VN059250.D (-3994) (-)

Ion 144.80 (144.50 to 145.50): VN059250.D (-3994) (-)

Time-->



#95

Naphthalene

Concen: 3.366 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

Instrument :

MSVOA_N

ClientSampled :

VN1115WBL01

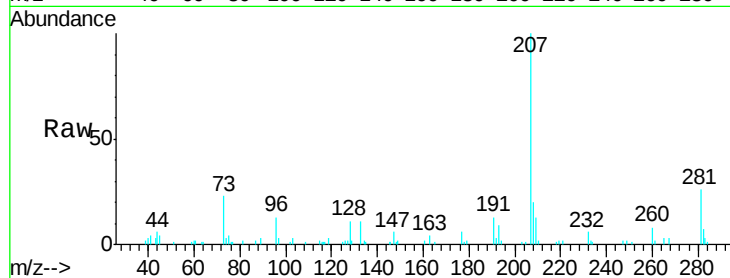
Tgt Ion:128 Resp: 3525

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

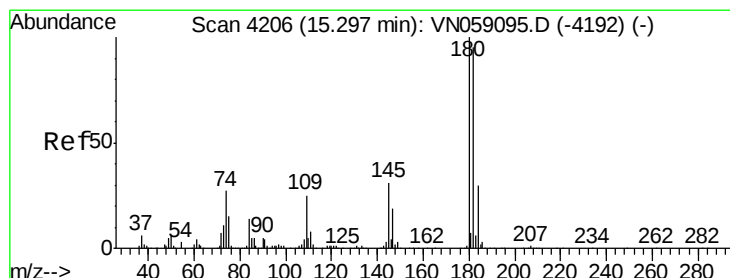
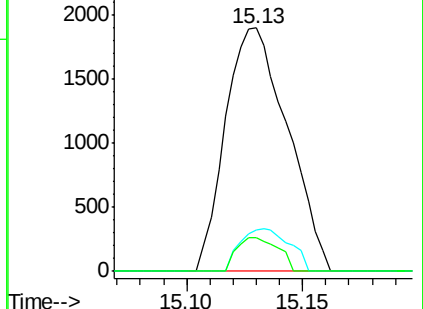
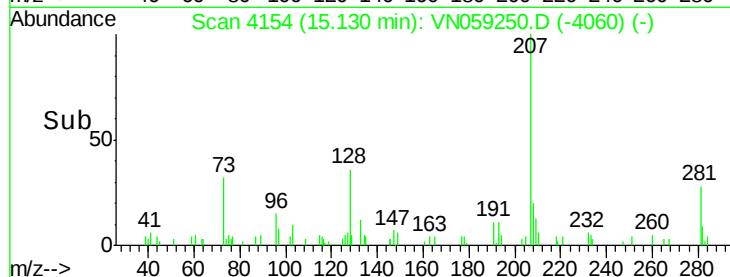
129 9.2 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.433 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059250.D

Acq: 15 Nov 2019 9:28

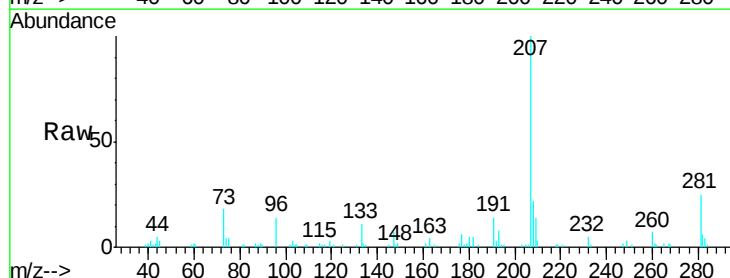
Tgt Ion:180 Resp: 1487

Ion Ratio Lower Upper

180 100

182 88.4 47.3 141.8

145 64.2 15.8 47.3#



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

