

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051200.D
 Acq On : 14 Sep 2018 20:06
 Operator : MD\SY
 Sample : VN0914WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL03

Quant Time: Sep 15 00:55:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	537507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	848568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	693842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	197264	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	331053	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	
35) Dibromofluoromethane	7.59	113	331884	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	10.09	98	1152361	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.40	95	275100	34.37	ug/l	0.00
Spiked Amount			Recovery	=	68.74%	

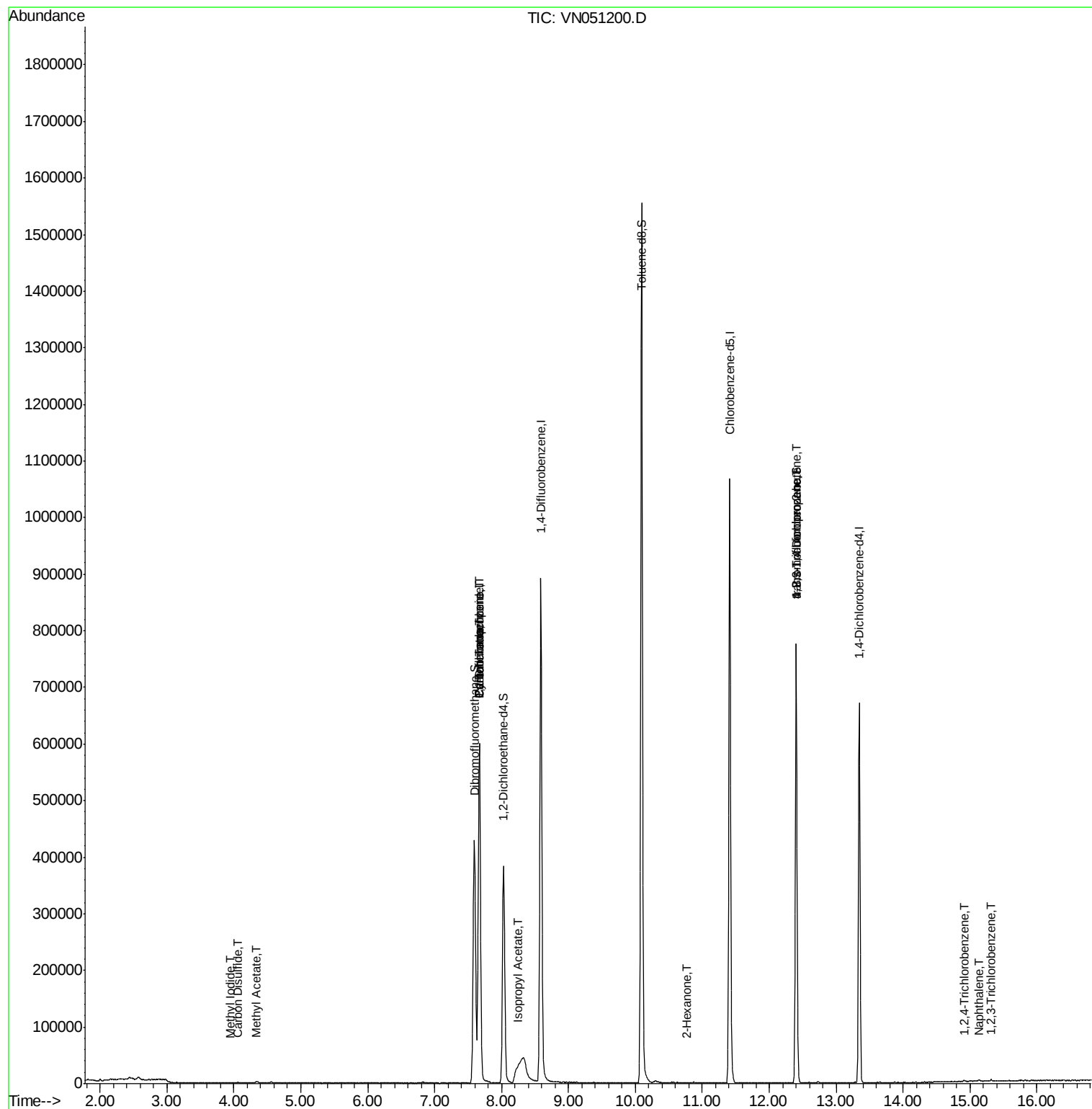
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1817	Below Cal		90
5) Bromomethane	2.57	94	2558	Below Cal		97
10) Methyl Iodide	3.94	142	354	5.69 ug/l	#	44
16) Acetone	3.84	43	894	Below Cal	#	40
17) Carbon Disulfide	4.06	76	2898	0.28 ug/l	#	76
18) Methyl Acetate	4.33	43	5560	1.16 ug/l		95
31) Cyclohexane	7.67	56	8998	0.69 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	34966	3.75 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	46412	5.06 ug/l	#	17
43) Isopropyl Acetate	8.23	43	23683	2.49 ug/l	#	52
59) 2-Hexanone	10.76	43	1097	0.31 ug/l	#	42
75) 1,1,2,2-Tetrachloroethane	12.51	83	31	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	127883	41.56 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	127883	123.12 ug/l	#	15
93) 1,2,4-Trichlorobenzene	14.91	180	964	4.23 ug/l	#	68
94) Hexachlorobutadiene	15.01	225	396	Below Cal	#	70
95) Naphthalene	15.13	128	2261	5.61 ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.31	180	1354	3.32 ug/l		74

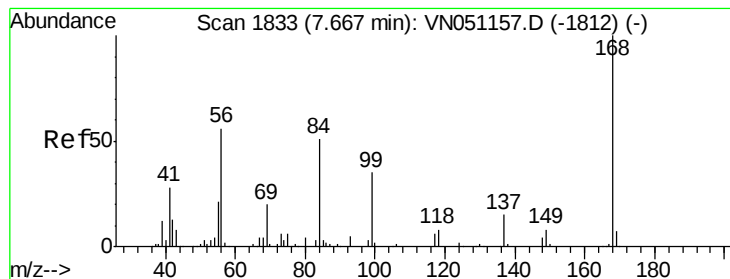
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampled :

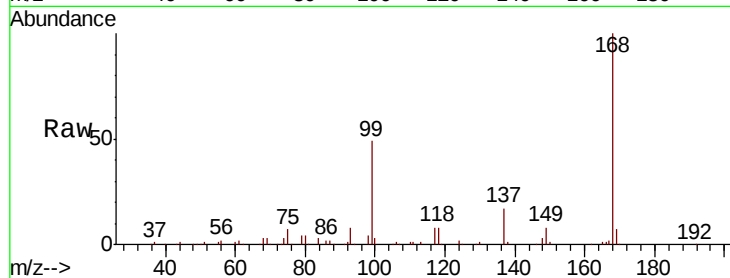
VN0914WBL03

Tot Ion:168 Resp: 537507

Ion Ratio Lower Upper

168 100

99 49.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

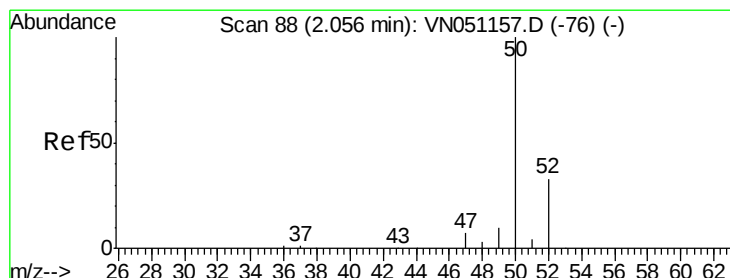
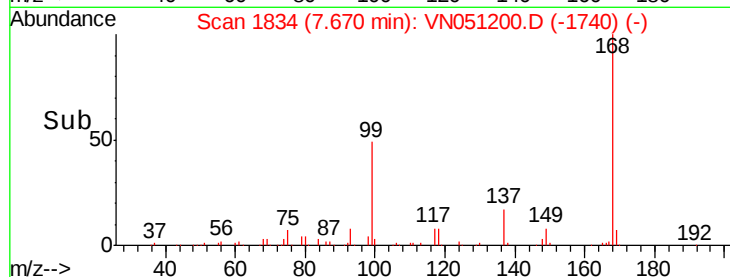
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051200.D

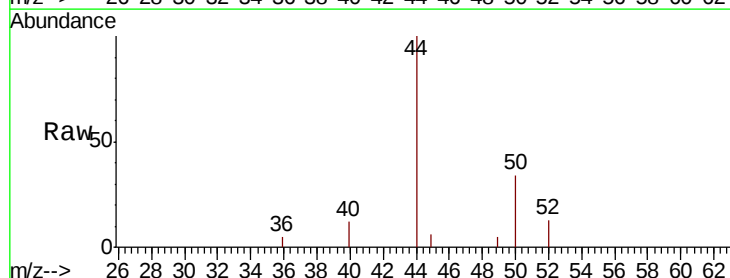
Acq: 14 Sep 2018 20:06

Tgt Ion: 50 Resp: 1817

Ion Ratio Lower Upper

50 100

52 38.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

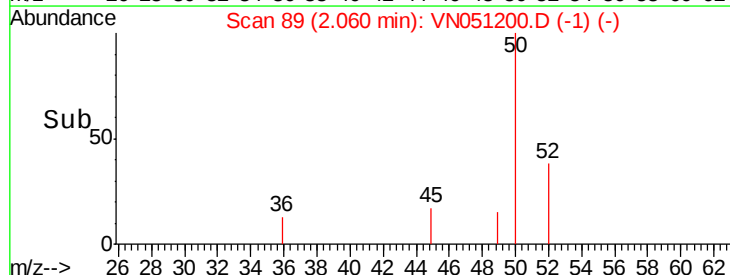
1500

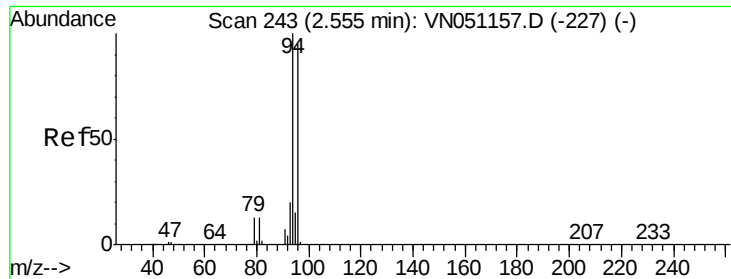
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampled :

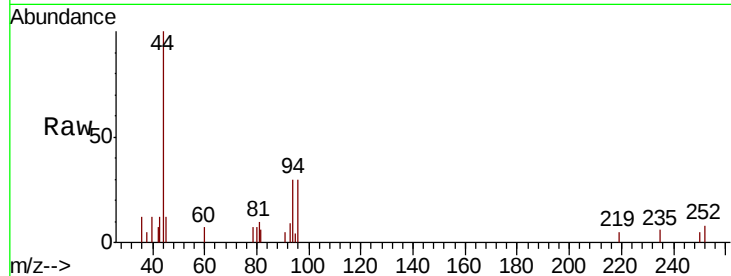
VN0914WBL03

Tot Ion: 94 Resp: 2558

Ion Ratio Lower Upper

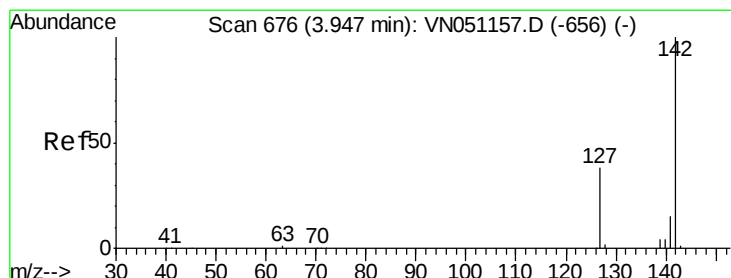
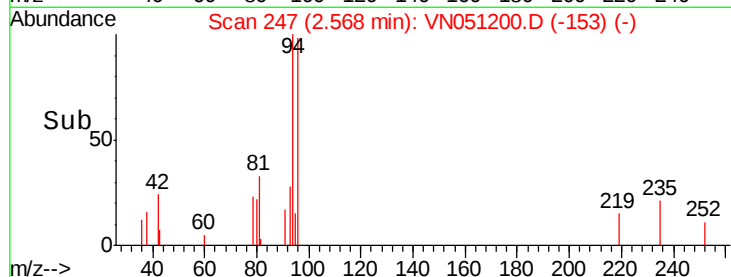
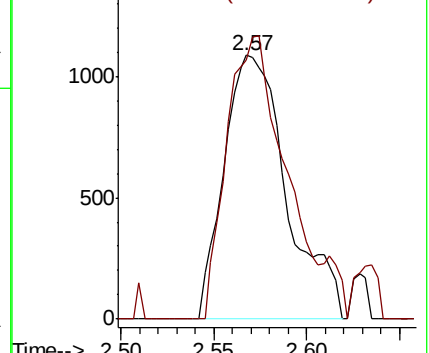
94 100

96 98.1 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051157.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VN051200.D (-153) (-)



#10

Methyl Iodide

Concen: 5.69 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

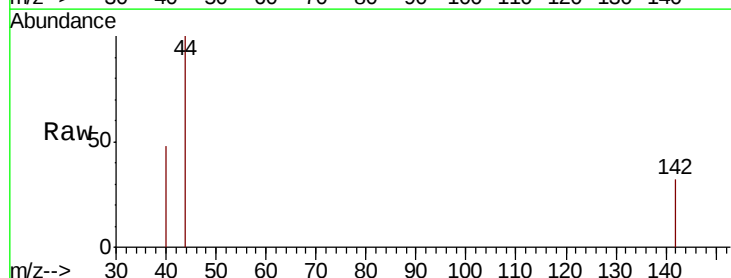
Tgt Ion: 142 Resp: 354

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

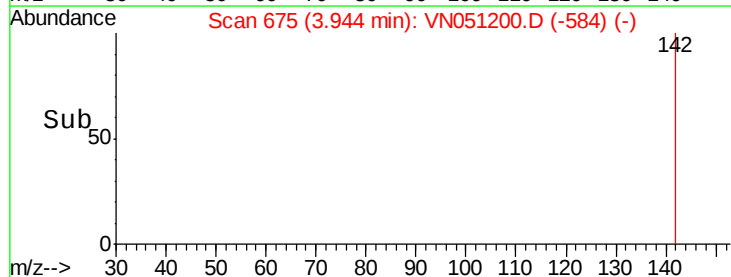
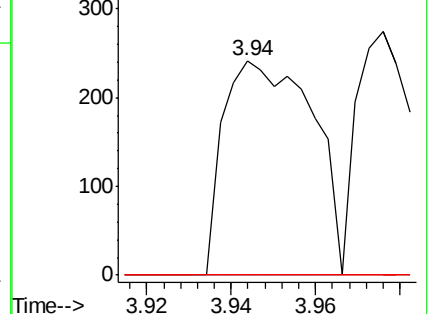
141 0.0 11.3 16.9#

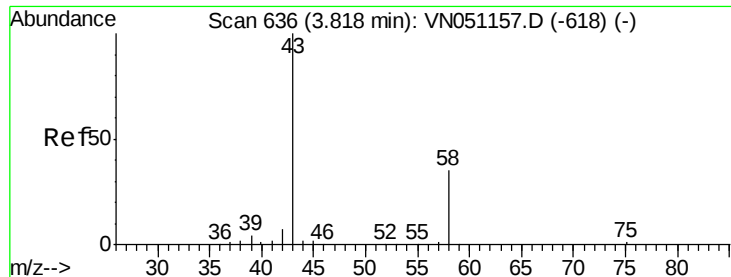


Abundance Ion 141.80 (141.50 to 142.50): VN051157.D (-656) (-)

Ion 126.80 (126.50 to 127.50): VN051200.D (-584) (-)

Ion 140.80 (140.50 to 141.50): VN051200.D (-584) (-)





#16

Acetone

Concen: Below Cal

RT: 3.84 min Scan# 644

Delta R.T. 0.03 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampled :

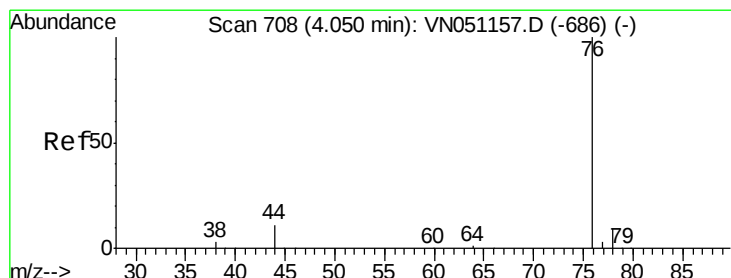
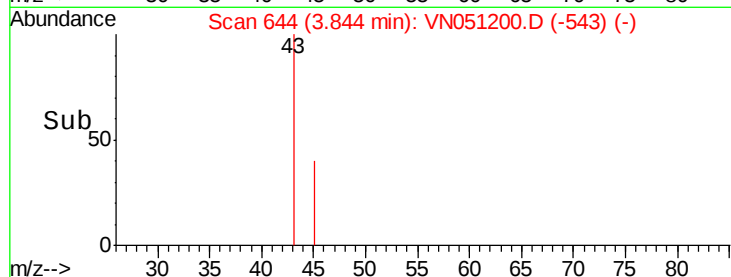
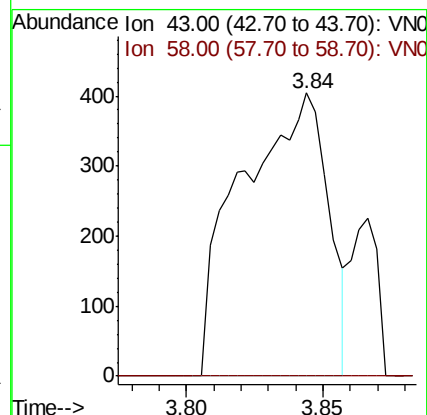
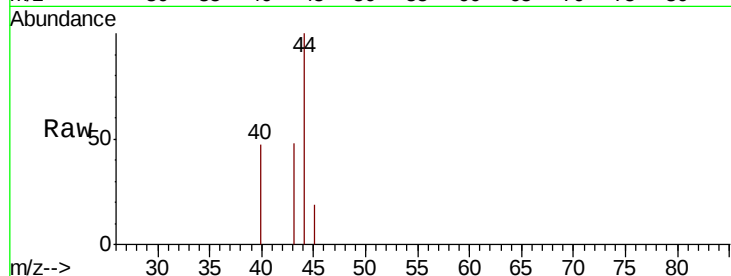
VN0914WBL03

Tot Ion: 43 Resp: 894

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051200.D

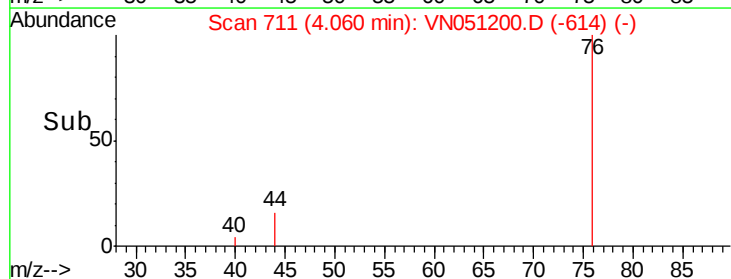
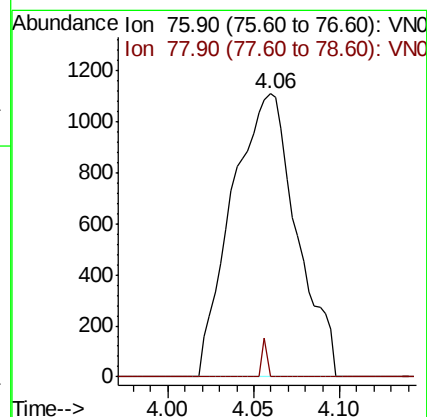
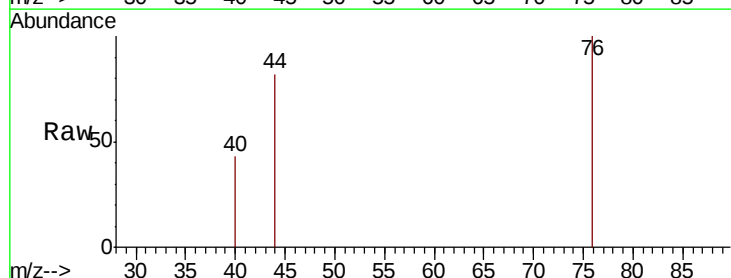
Acq: 14 Sep 2018 20:06

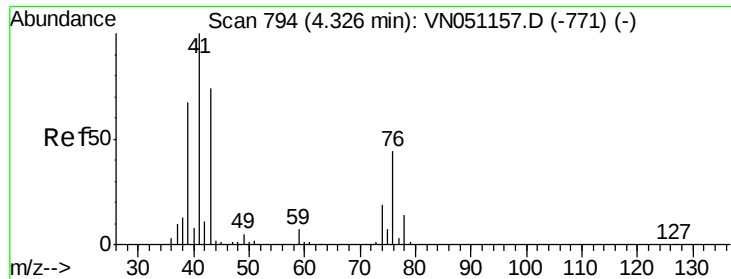
Tgt Ion: 76 Resp: 2898

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

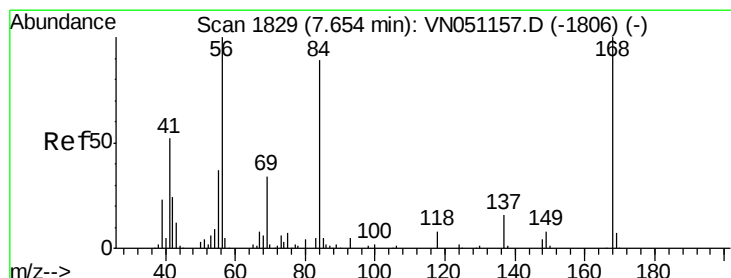
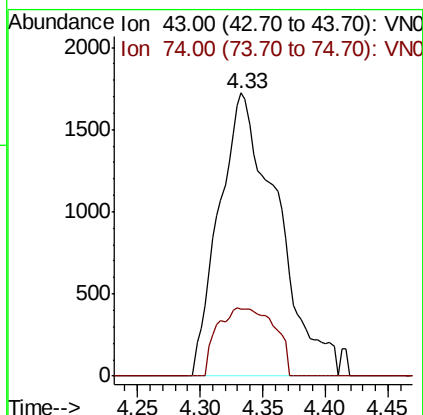
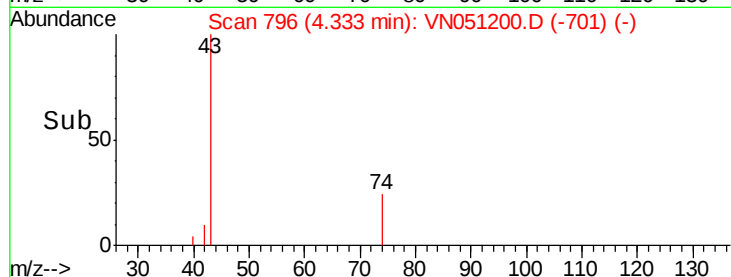
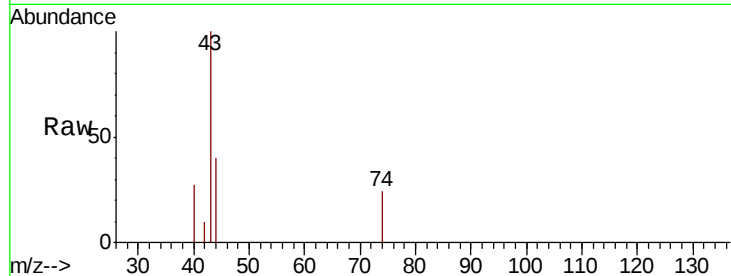




#18
Methyl Acetate
Concen: 1.16 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051200.D
Acq: 14 Sep 2018 20:06

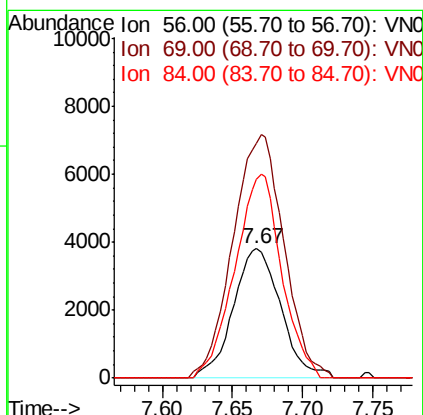
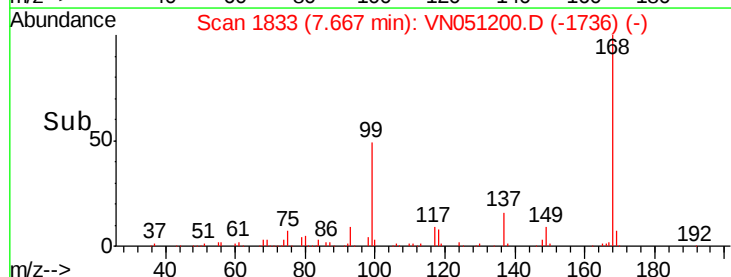
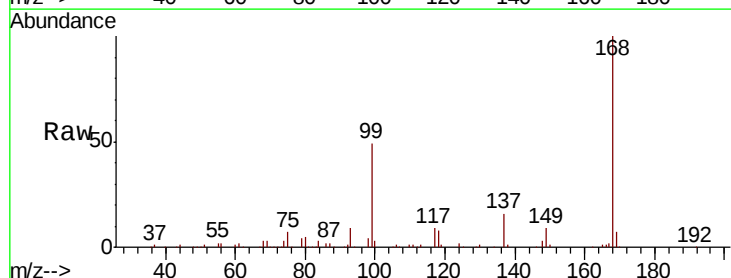
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL03

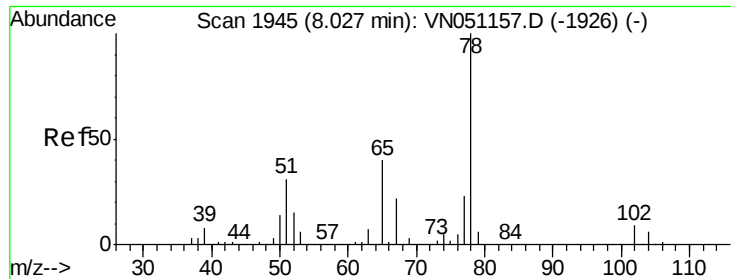
Tot Ion: 43 Resp: 5560
Ion Ratio Lower Upper
43 100
74 23.3 20.7 31.1



#31
Cyclohexane
Concen: 0.69 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051200.D
Acq: 14 Sep 2018 20:06

Tgt Ion: 56 Resp: 8998
Ion Ratio Lower Upper
56 100
69 181.2 26.3 39.5#
84 154.3 69.4 104.0#

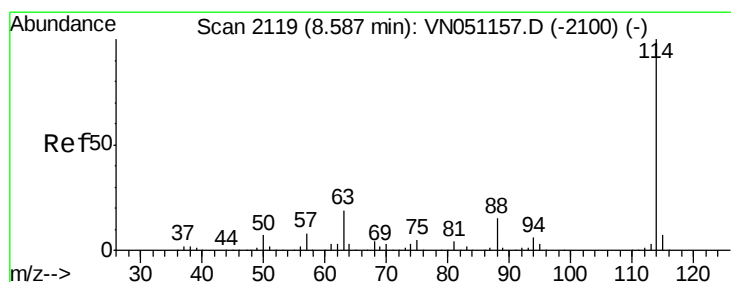
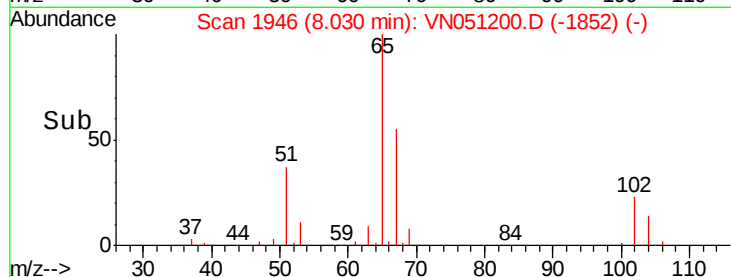
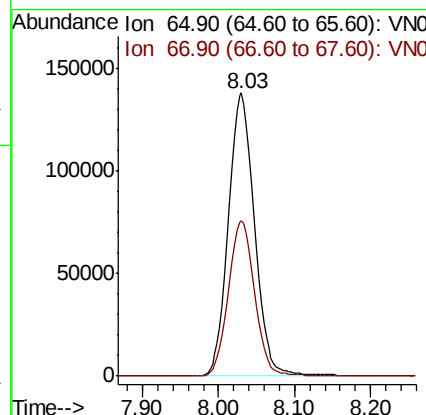
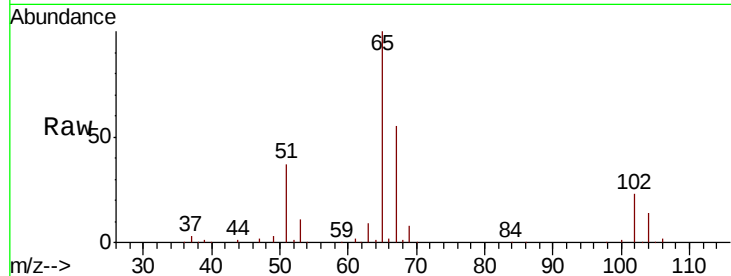




#33
 1,2-Dichloroethane-d4
 Concen: 55.34 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051200.D
 Acq: 14 Sep 2018 20:06

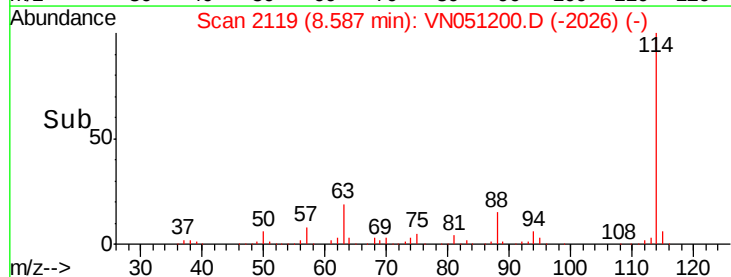
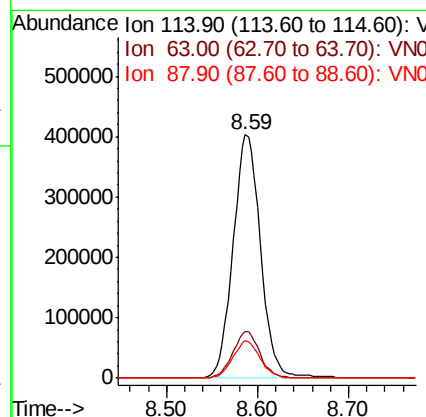
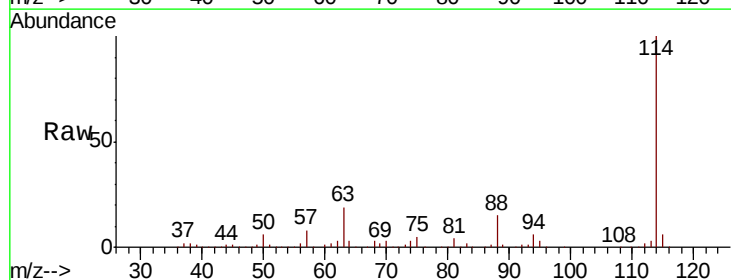
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 VN0914WBL03

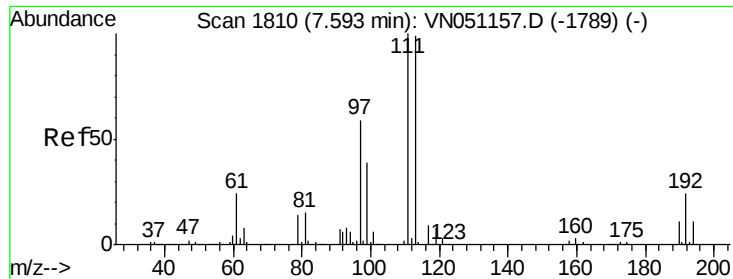
Tot Ion: 65 Resp: 331053
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051200.D
 Acq: 14 Sep 2018 20:06

Tgt Ion: 114 Resp: 848568
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.3 0.0 30.8

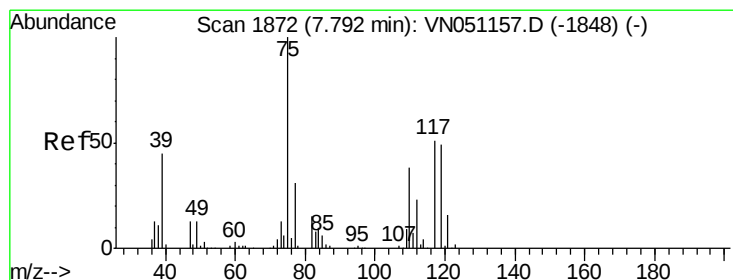
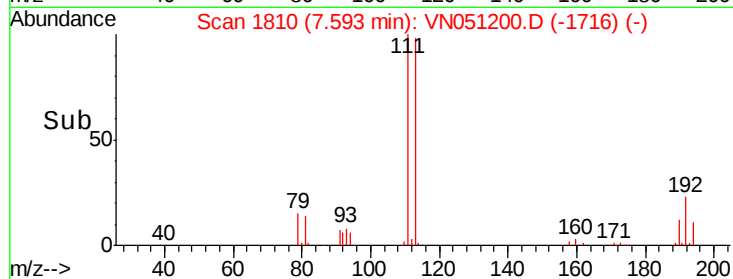
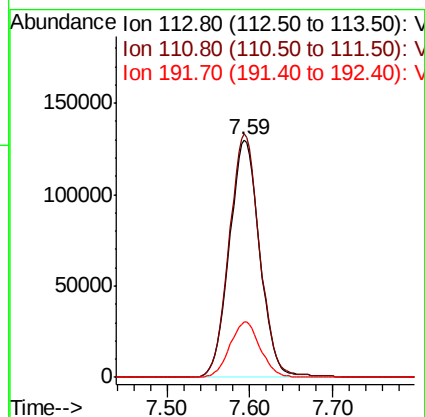
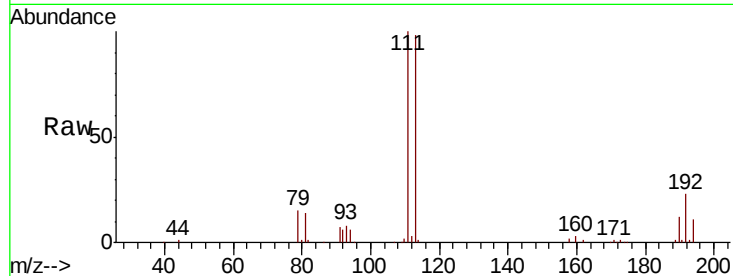




#35
 Dibromofluoromethane
 Concen: 52.05 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051200.D
 Acq: 14 Sep 2018 20:06

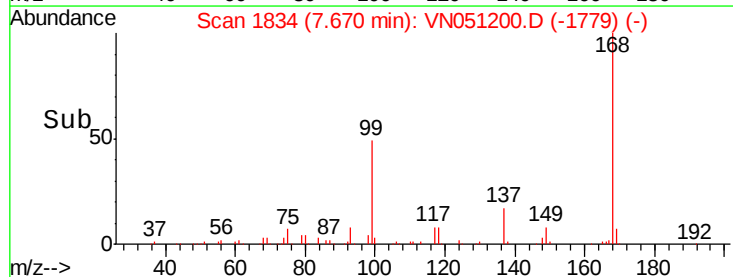
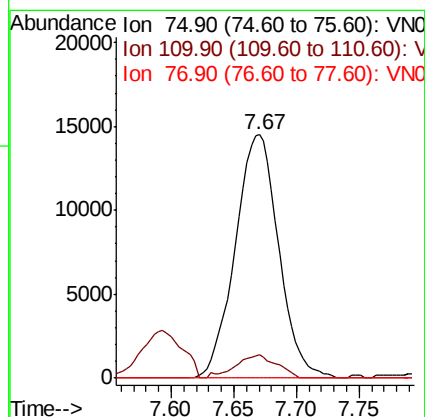
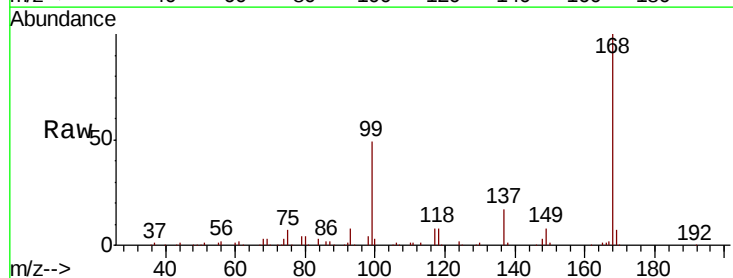
Instrument :
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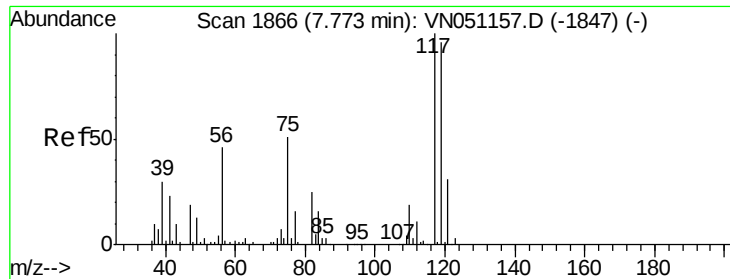
Tot Ion:113 Resp: 331884
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.6
 192 23.4 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051200.D
 Acq: 14 Sep 2018 20:06

Tgt Ion: 75 Resp: 34966
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.6 55.8#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampled :

VN0914WBL03

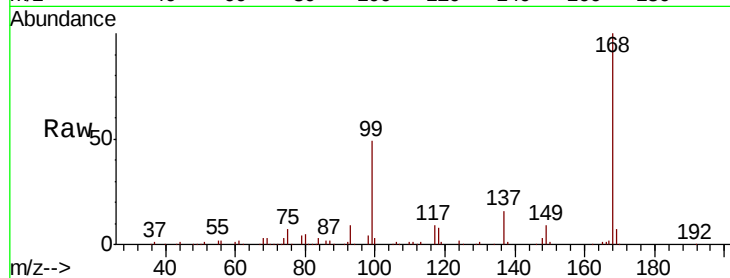
Tot Ion:117 Resp: 46412

Ion Ratio Lower Upper

117 100

119 6.1 76.8 115.2#

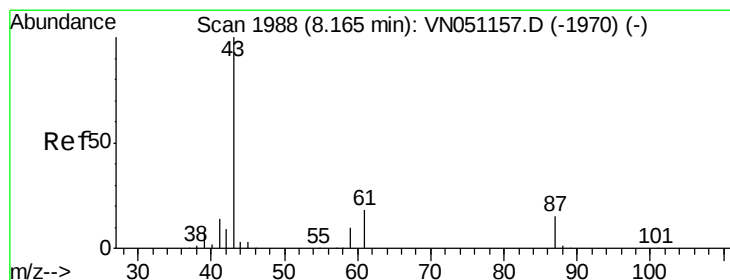
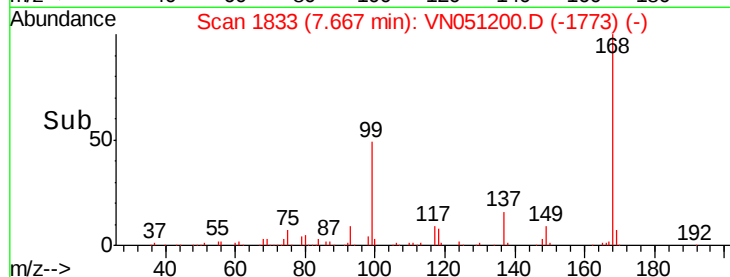
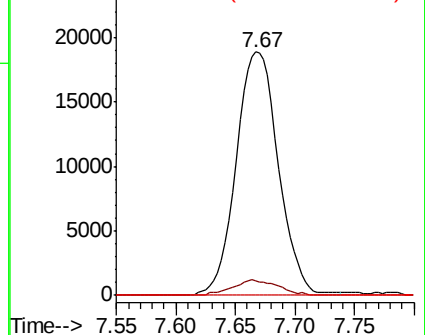
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 2.49 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

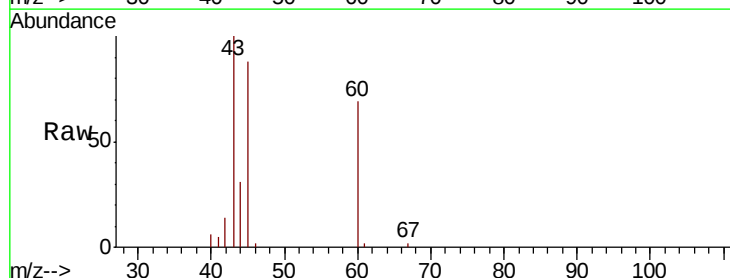
Tgt Ion: 43 Resp: 23683

Ion Ratio Lower Upper

43 100

61 1.4 25.0 37.6#

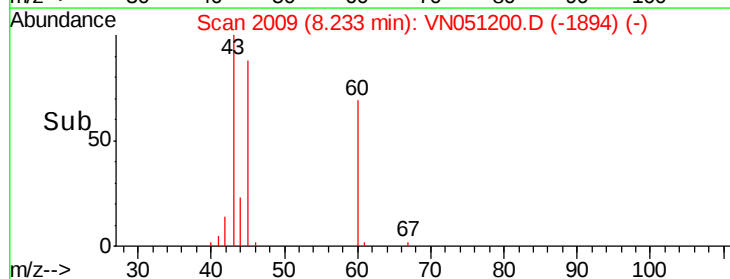
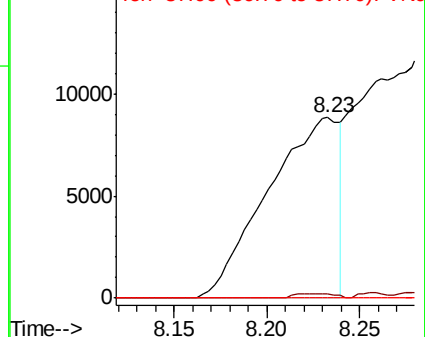
87 0.0 11.8 17.8#

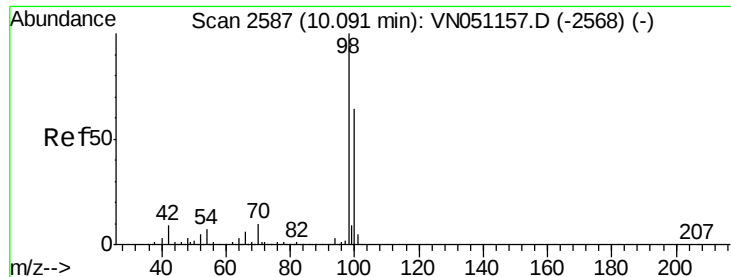


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 47.63 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampleId :

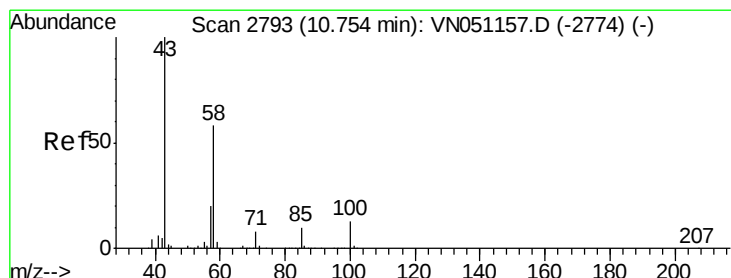
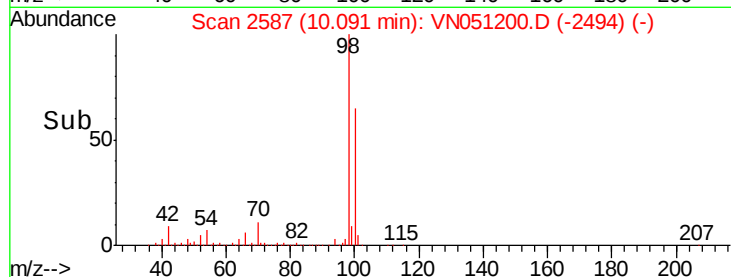
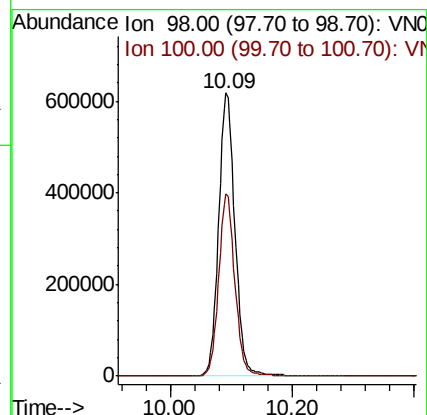
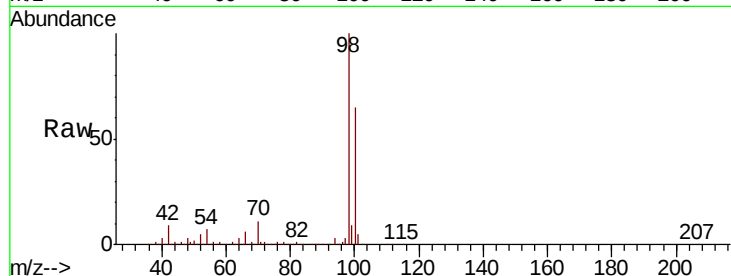
VN0914WBL03

Tot Ion: 98 Resp: 1152361

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#59

2-Hexanone

Concen: 0.31 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051200.D

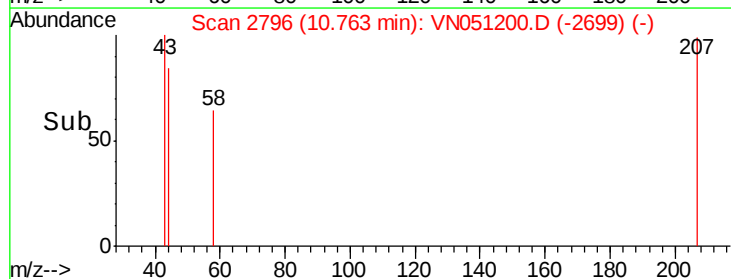
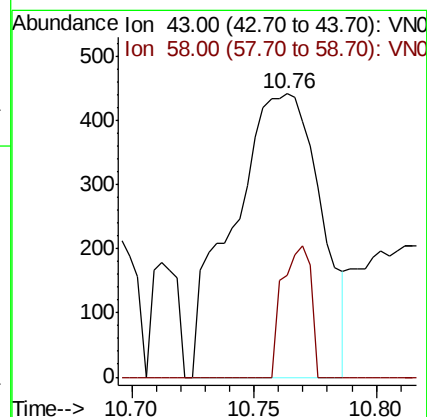
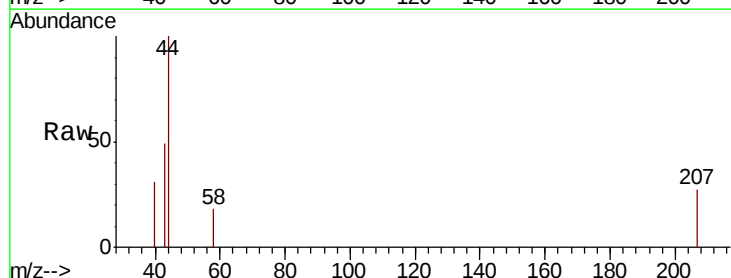
Acq: 14 Sep 2018 20:06

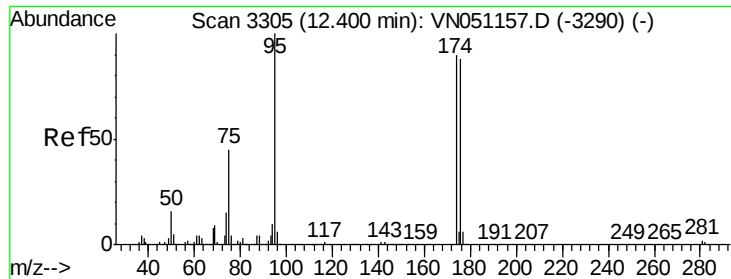
Tgt Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

58 15.4 29.3 88.0#





#62

4-Bromofluorobenzene

Concen: 34.37 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL03

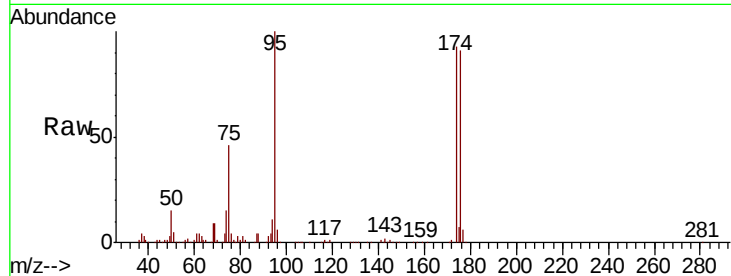
Tot Ion: 95 Resp: 275100

Ion Ratio Lower Upper

95 100

174 95.4 0.0 184.8

176 91.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051157.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051157.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051157.D (-3290) (-)

12.40

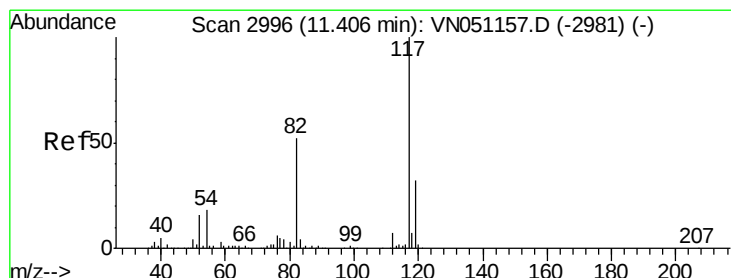
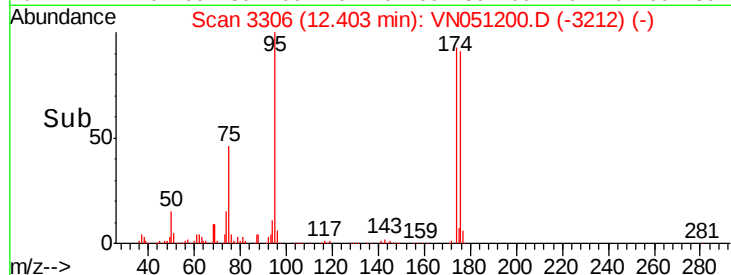
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

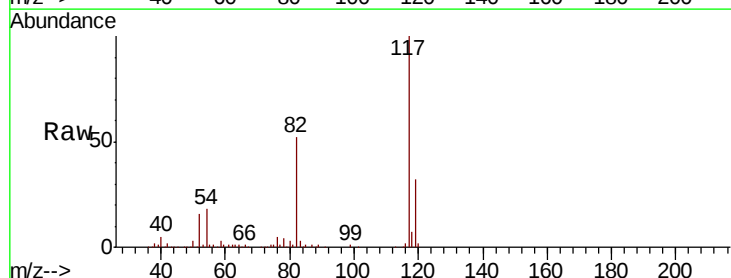
Tgt Ion: 117 Resp: 693842

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.6

119 32.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN051157.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051157.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051157.D (-2981) (-)

11.41

500000

400000

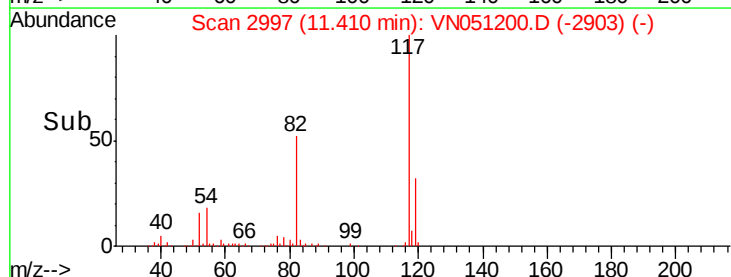
300000

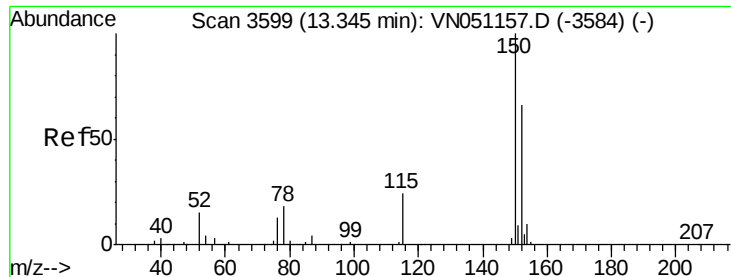
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL03

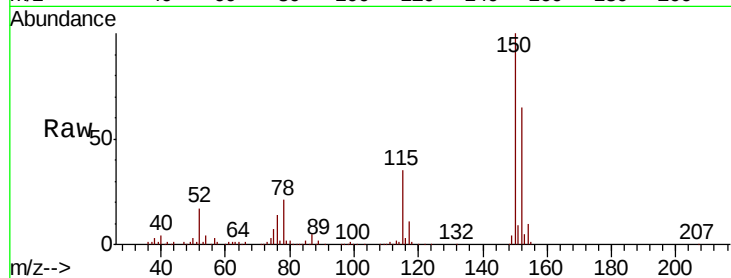
Tot Ion:152 Resp: 197264

Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.7

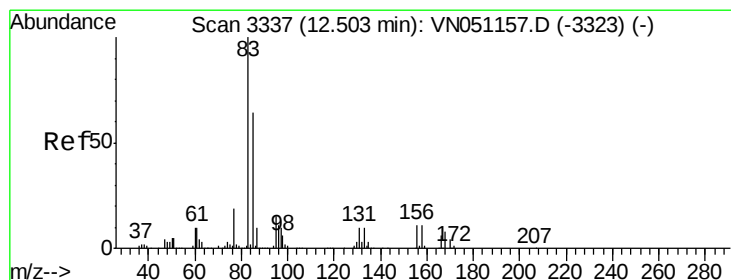
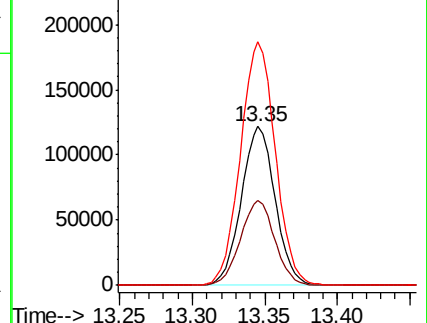
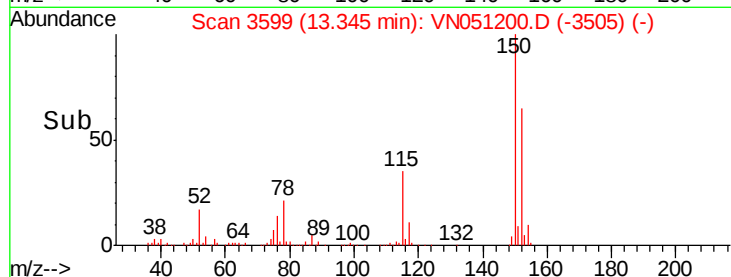
150 157.8 0.0 349.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

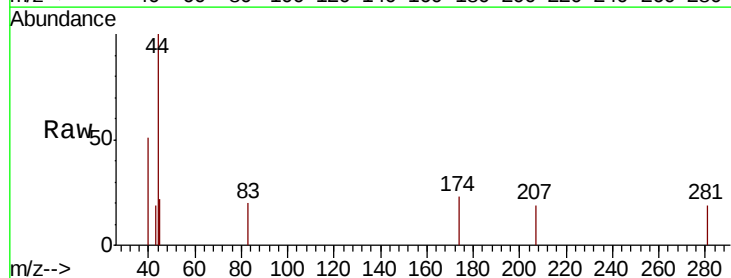
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

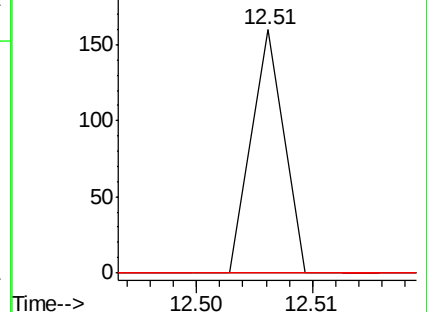
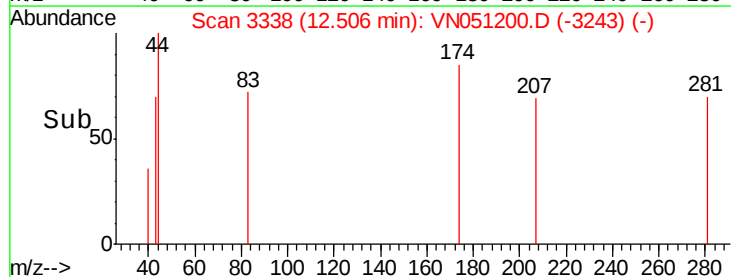
85 0.0 32.3 96.8#

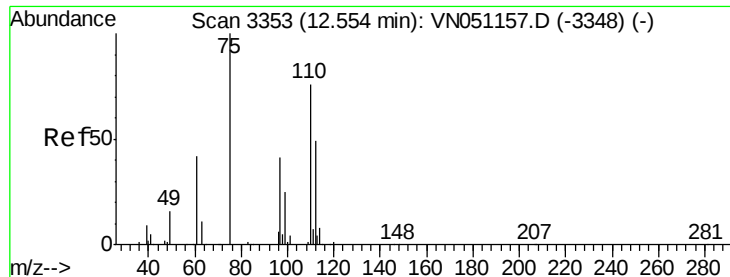


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 41.56 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampleId :

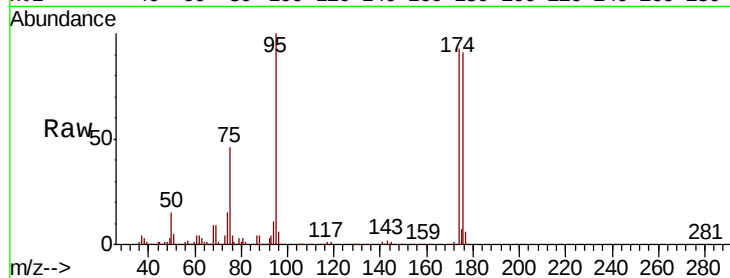
VN0914WBL03

Tot Ion: 75 Resp: 127883

Ion Ratio Lower Upper

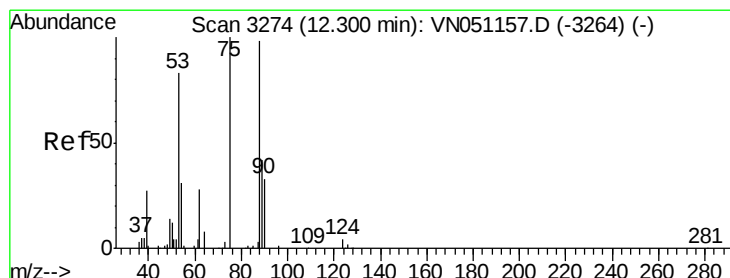
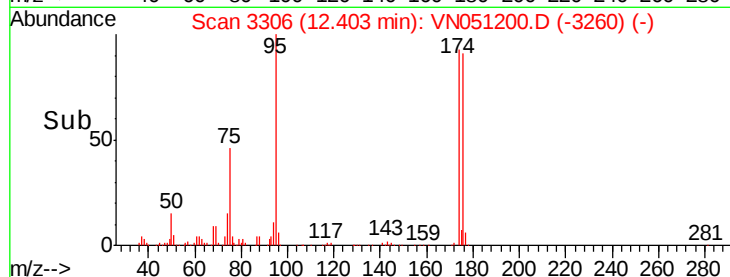
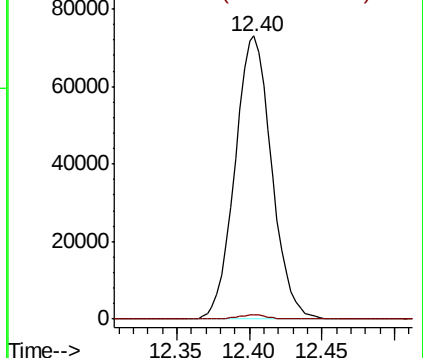
75 100

77 1.3 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: 123.12 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

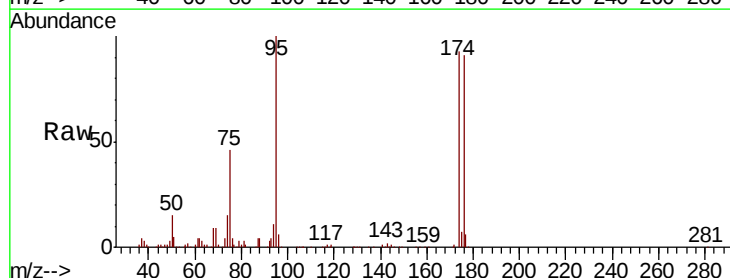
Tgt Ion: 75 Resp: 127883

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

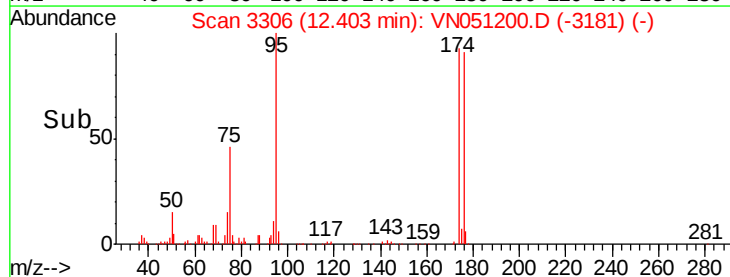
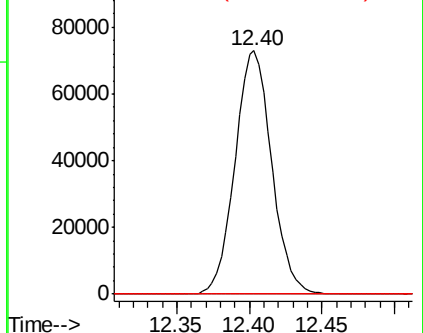
89 0.0 36.0 54.0#

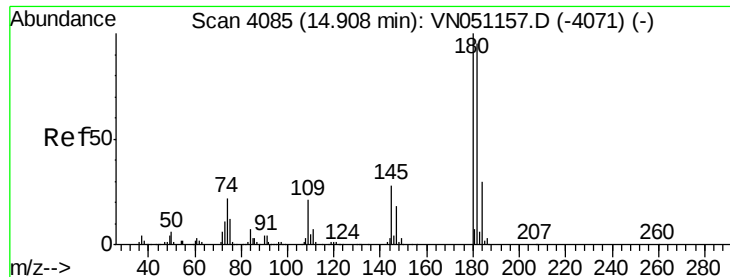


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

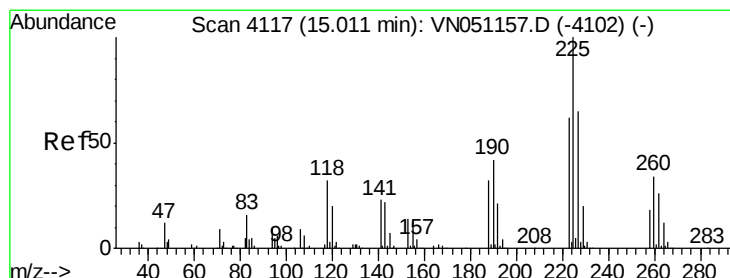
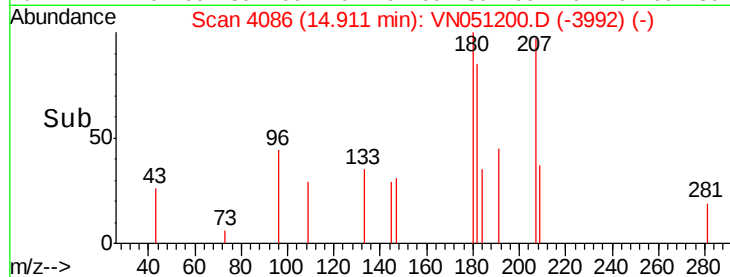
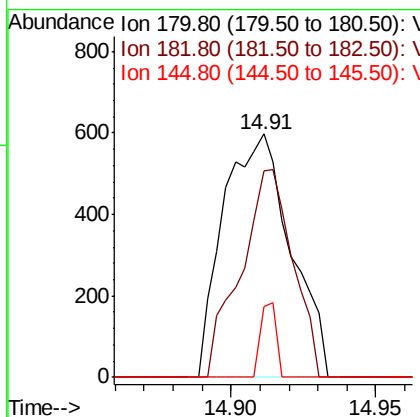
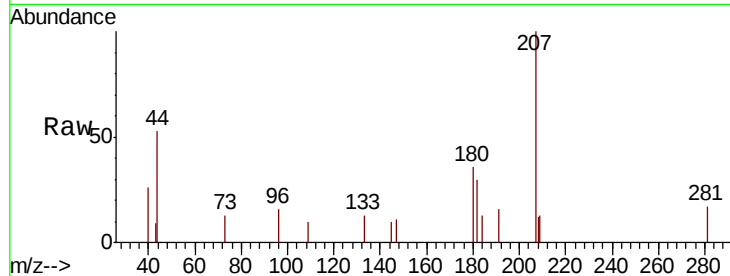




#93
 1,2,4-Trichlorobenzene
 Concen: 4.23 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051200.D
 Acq: 14 Sep 2018 20:06

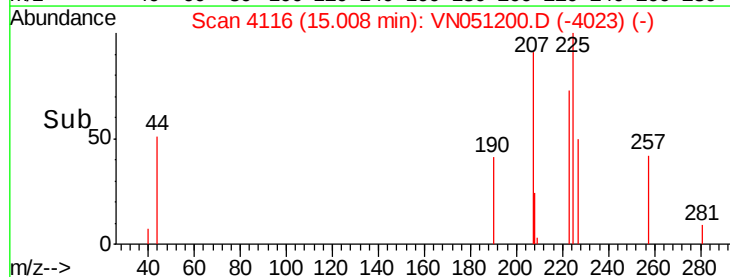
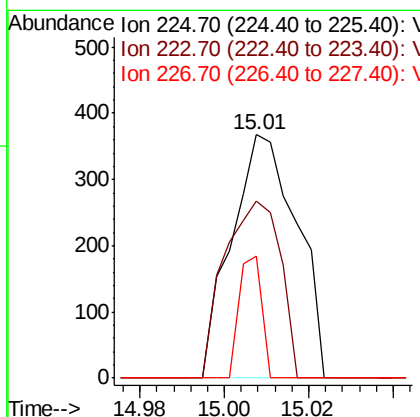
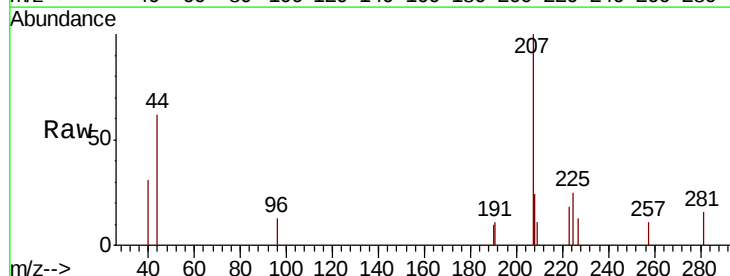
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL03

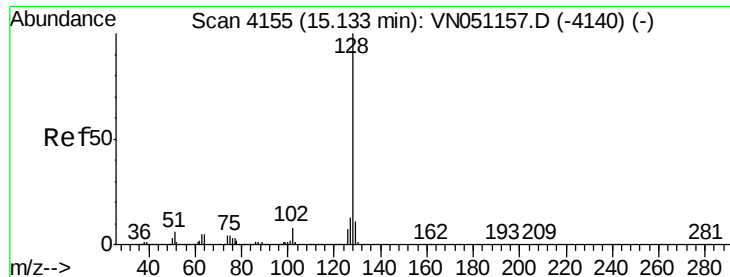
Tot Ion:180 Resp: 964
 Ion Ratio Lower Upper
 180 100
 182 66.3 47.3 141.8
 145 7.2 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051200.D
 Acq: 14 Sep 2018 20:06

Tgt Ion:225 Resp: 396
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.0
 227 17.4 32.1 96.3#





#95

Naphthalene

Concen: 5.61 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL03

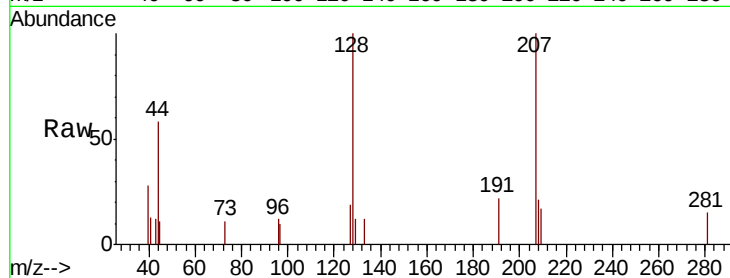
Tot Ion:128 Resp: 2261

Ion Ratio Lower Upper

128 100

127 12.5 10.6 15.8

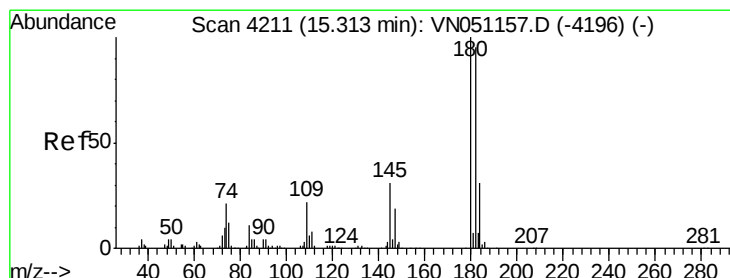
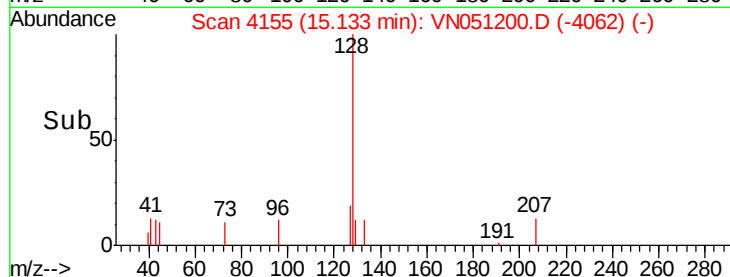
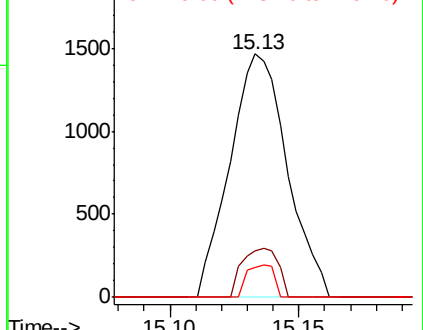
129 6.2 8.6 12.8#



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: 3.32 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051200.D

Acq: 14 Sep 2018 20:06

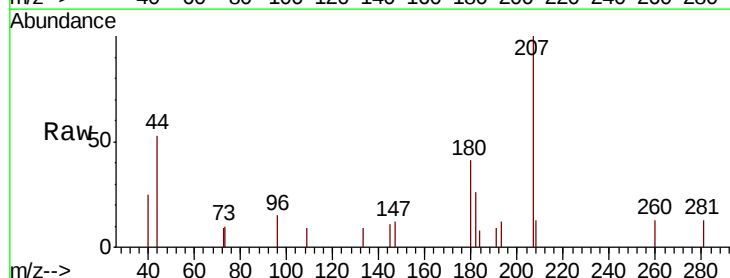
Tgt Ion:180 Resp: 1354

Ion Ratio Lower Upper

180 100

182 67.7 47.8 143.3

145 20.5 14.6 43.8



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

