

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051005.D
 Acq On : 4 Sep 2018 9:13
 Operator : MD\SY
 Sample : VN0904MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBL01

Quant Time: Sep 05 01:06:10 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	605770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	941340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	781693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	240365	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	377362	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	7.59	113	367028	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.09	98	1291189	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
62) 4-Bromofluorobenzene	12.40	95	328308	35.29	ug/l	0.00
Spiked Amount			Recovery	=	70.58%	

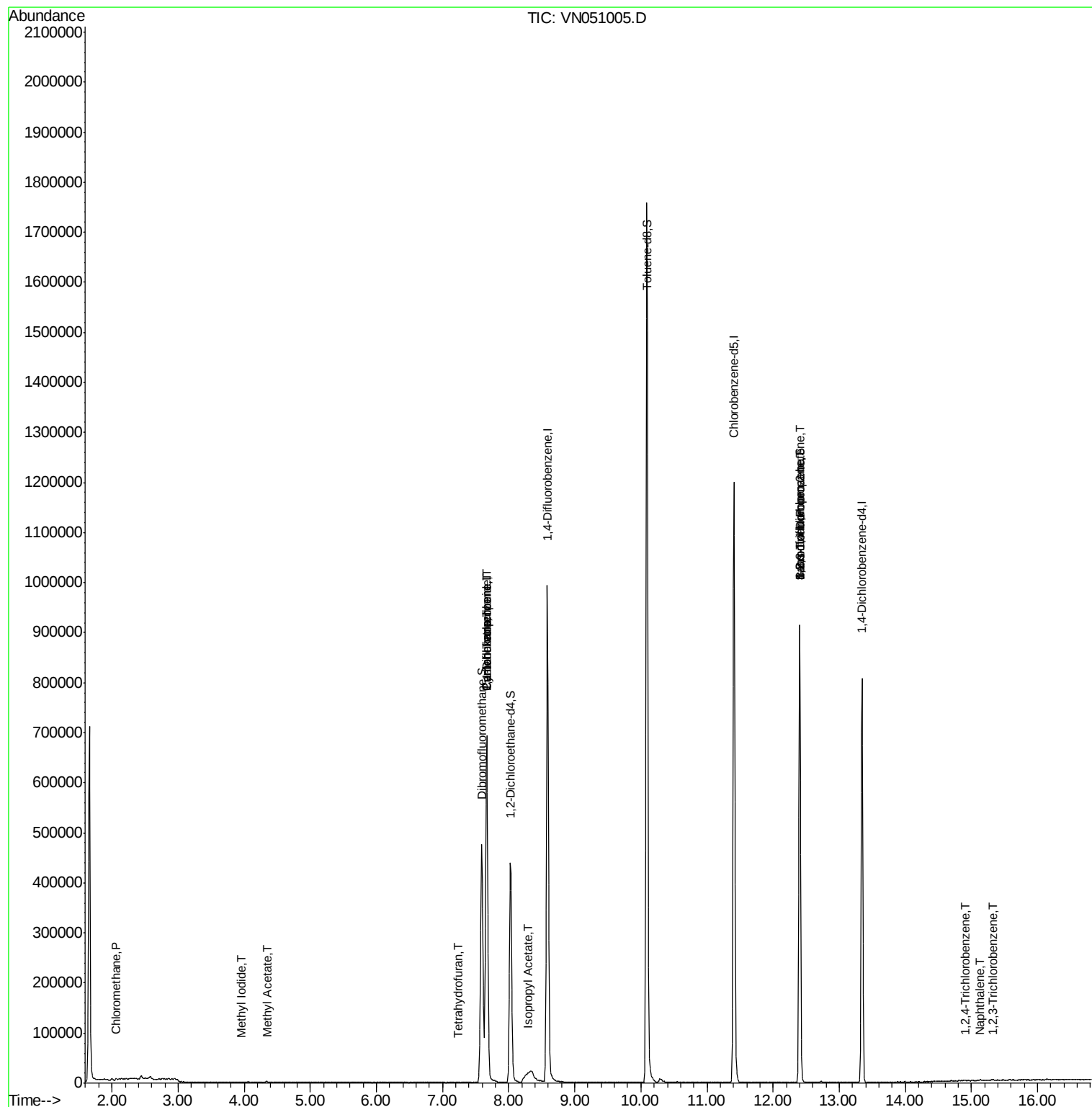
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2648	0.26	ug/l	91
5) Bromomethane	2.56	94	2402	Below Cal		92
10) Methyl Iodide	3.95	142	395	6.39	ug/l #	43
16) Acetone	3.81	43	393	Below Cal	#	41
18) Methyl Acetate	4.34	43	4510	0.65	ug/l #	82
29) Tetrahydrofuran	7.24	42	955	0.57	ug/l #	38
31) Cyclohexane	7.66	56	10404	1.30	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39771	3.58	ug/l #	48
38) Carbon Tetrachloride	7.67	117	52866	4.71	ug/l #	16
43) Isopropyl Acetate	8.28	43	20582	1.88	ug/l #	58
71) Bromoform	12.40	173	1263	0.25	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	161	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	151005	35.87	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	151005	121.26	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	541	4.19	ug/l #	47
94) Hexachlorobutadiene	15.00	225	198	Below Cal	#	19
95) Naphthalene	15.14	128	1488	5.54	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.32	180	905	3.49	ug/l #	63

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

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Quant Time: Sep 05 01:06:10 2018
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

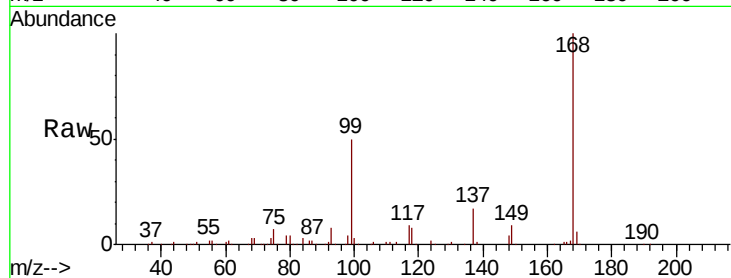
VN0904WBL01

Tot Ion:168 Resp: 605770

Ion Ratio Lower Upper

168 100

99 49.6 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

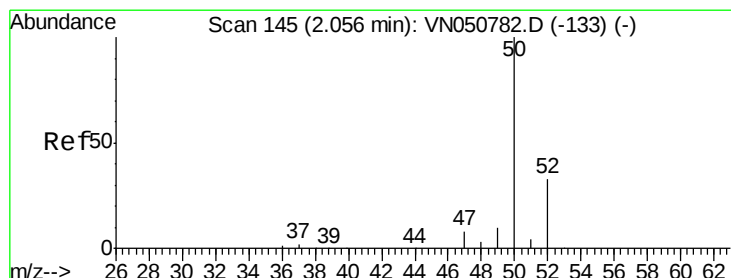
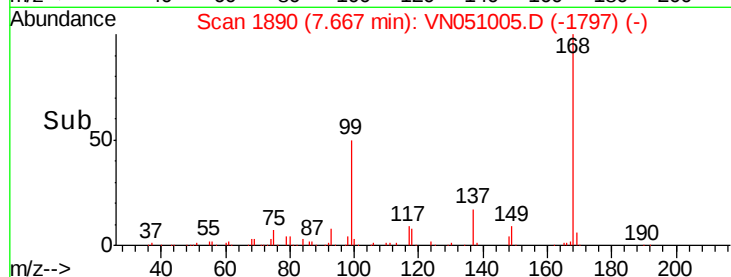
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.26 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN051005.D

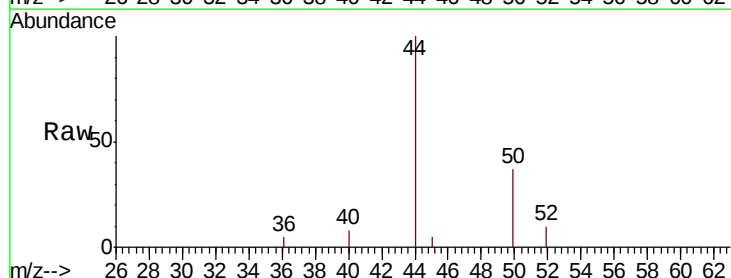
Acq: 4 Sep 2018 9:13

Tgt Ion: 50 Resp: 2648

Ion Ratio Lower Upper

50 100

52 27.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2000

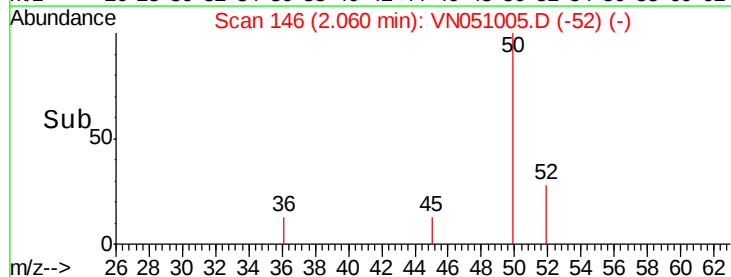
1500

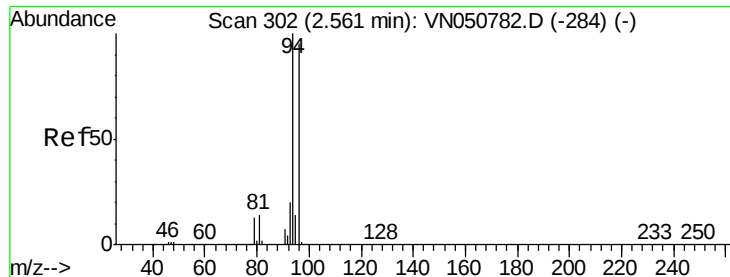
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

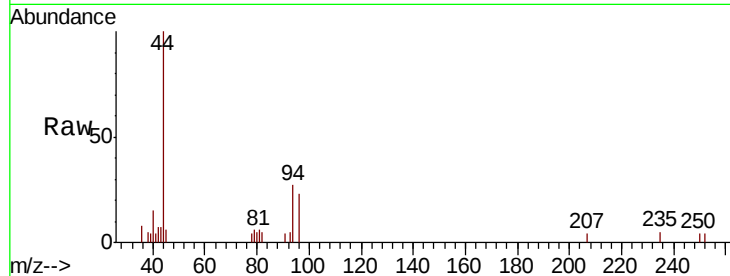
VN0904WBL01

Tot Ion: 94 Resp: 2402

Ion Ratio Lower Upper

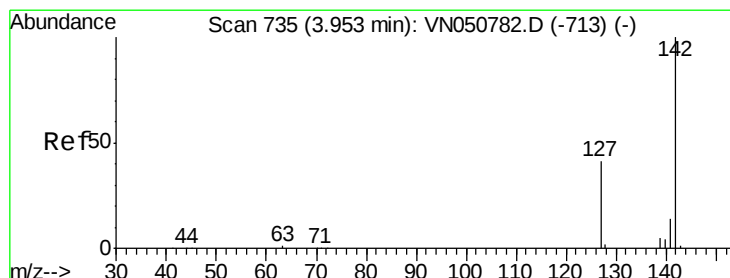
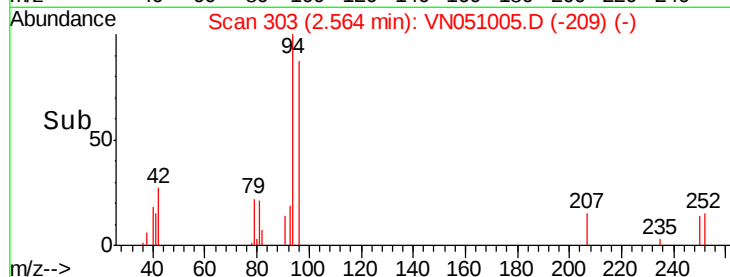
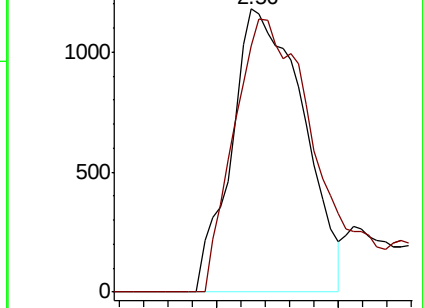
94 100

96 87.0 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN051005.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN051005.D (-284) (-)



#10

Methyl Iodide

Concen: 6.39 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

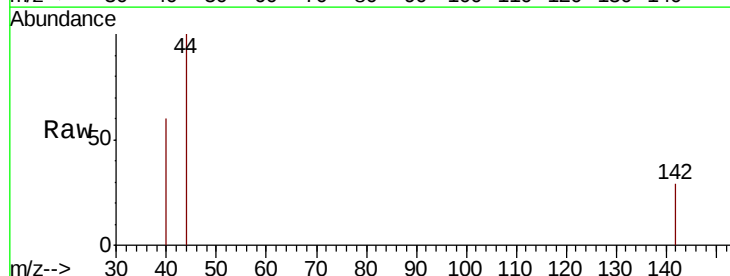
Tgt Ion: 142 Resp: 395

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

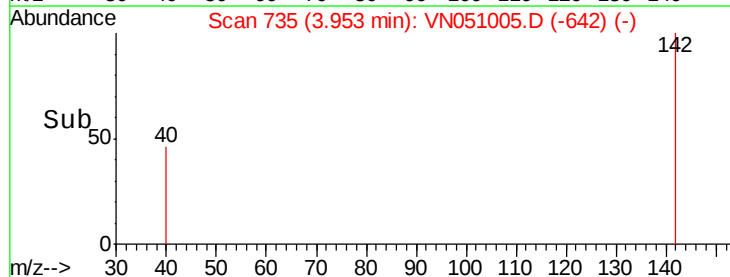
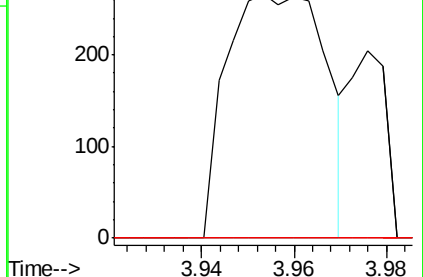
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN051005.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN051005.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN051005.D (-713) (-)





#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 689

Delta R.T. -0.01 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

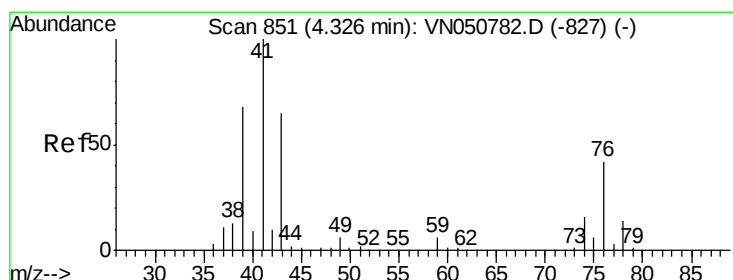
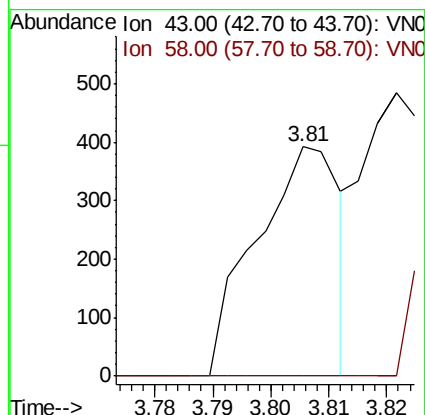
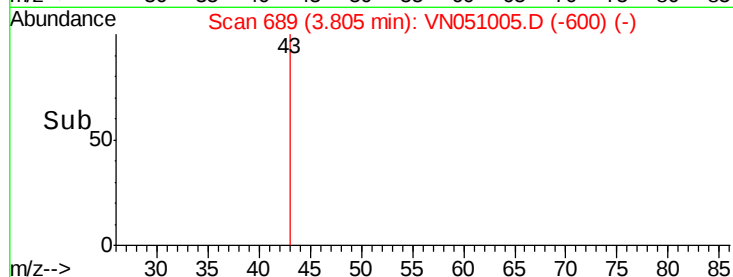
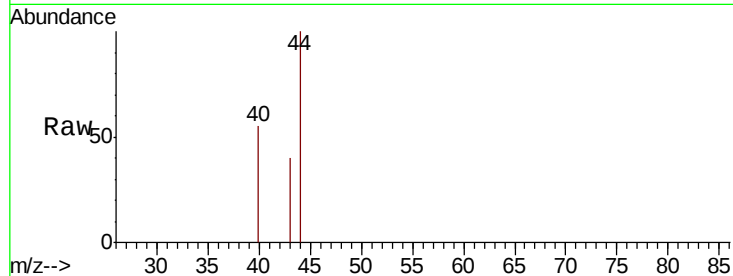
VN0904WBL01

Tot Ion: 43 Resp: 393

Ion Ratio Lower Upper

43 100

58 0.0 27.2 40.8#



#18

Methyl Acetate

Concen: 0.65 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN051005.D

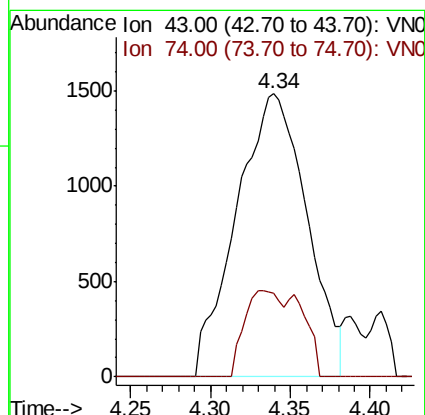
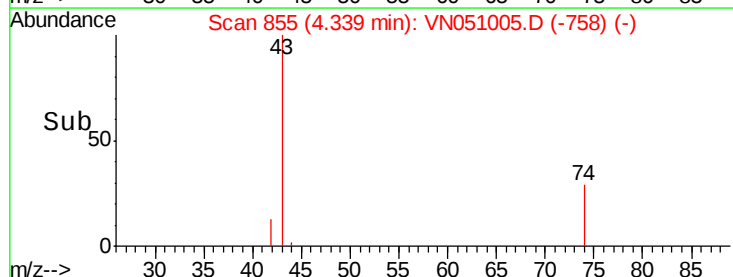
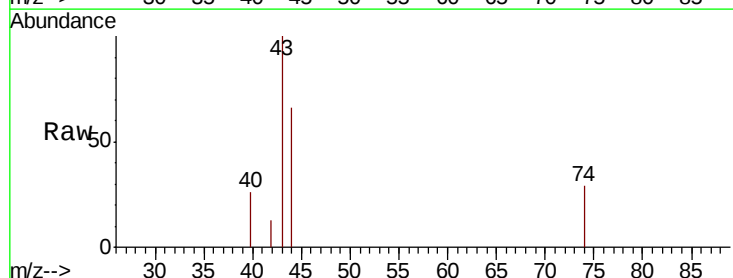
Acq: 4 Sep 2018 9:13

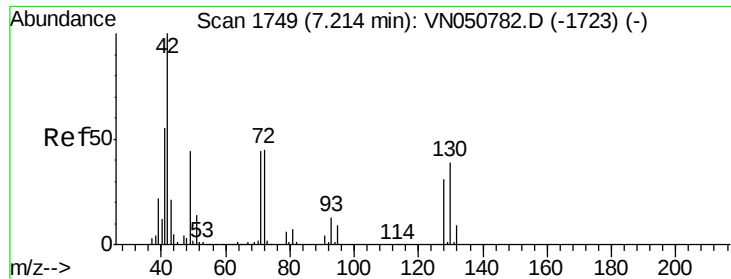
Tgt Ion: 43 Resp: 4510

Ion Ratio Lower Upper

43 100

74 15.8 19.8 29.8#

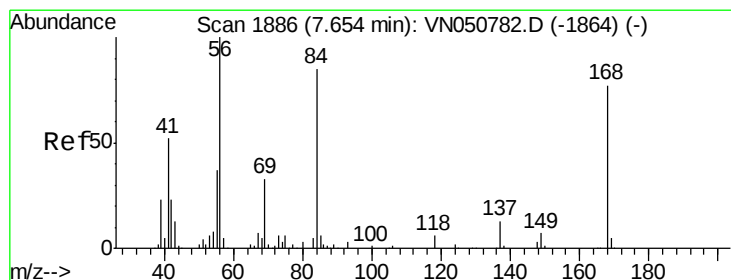
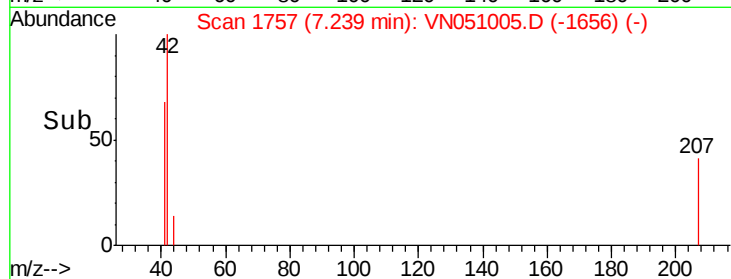
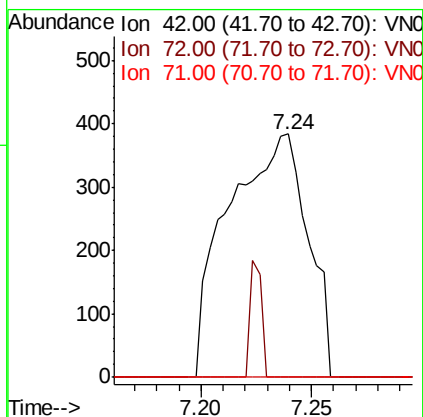
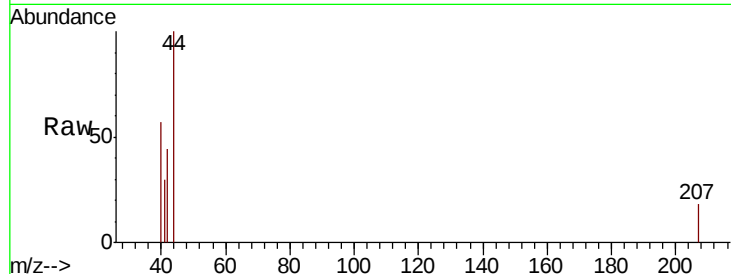




#29
Tetrahydrofuran
Concen: 0.57 ug/l
RT: 7.24 min Scan# 1757
Delta R.T. 0.03 min
Lab File: VN051005.D
Acq: 4 Sep 2018 9:13

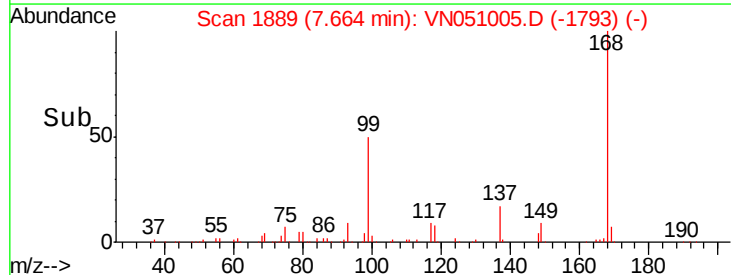
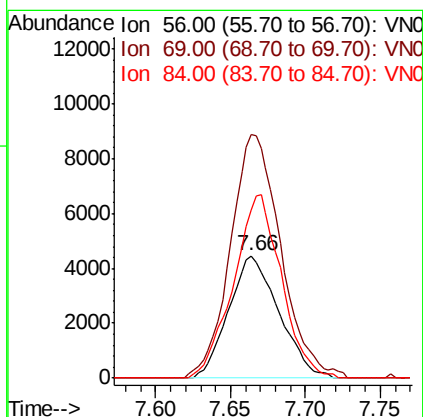
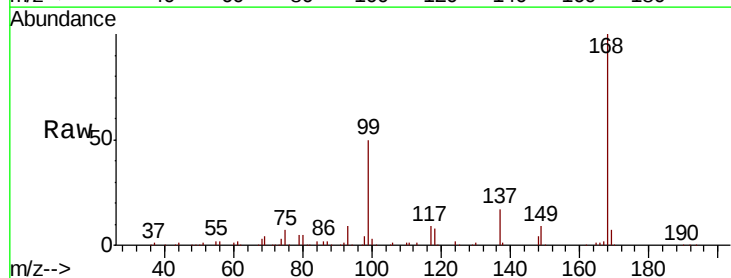
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL01

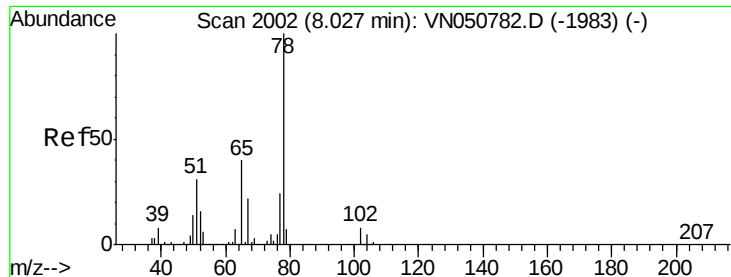
Tot Ion: 42 Resp: 955
Ion Ratio Lower Upper
42 100
72 7.0 35.5 53.3#
71 0.0 33.7 50.5#



#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN051005.D
Acq: 4 Sep 2018 9:13

Tgt Ion: 56 Resp: 10404
Ion Ratio Lower Upper
56 100
69 195.9 26.2 39.4#
84 137.5 68.3 102.5#

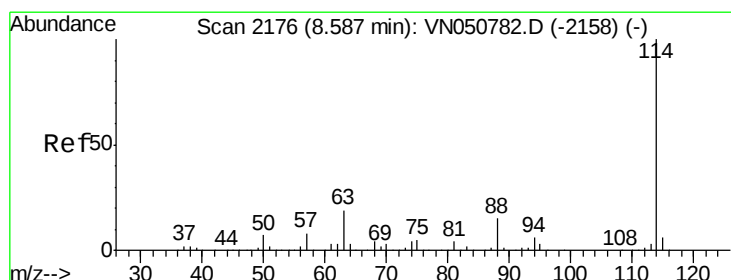
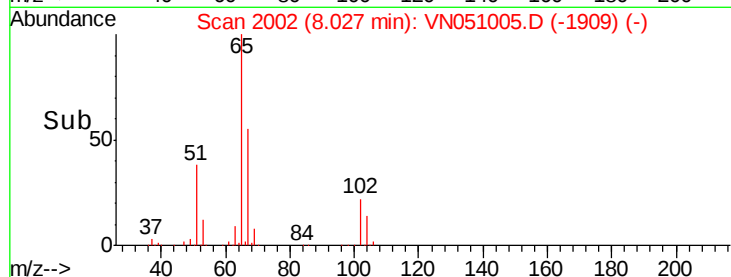
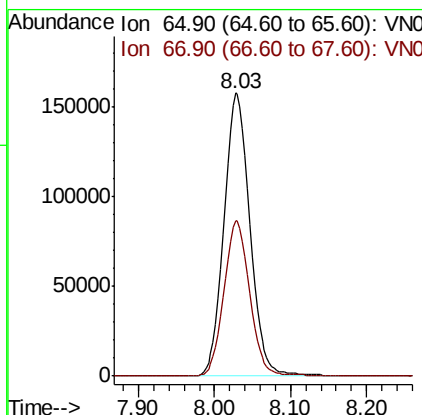
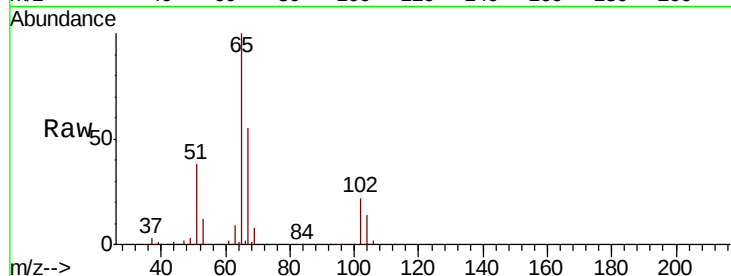




#33
 1,2-Dichloroethane-d4
 Concen: 51.75 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN051005.D
 Acq: 4 Sep 2018 9:13

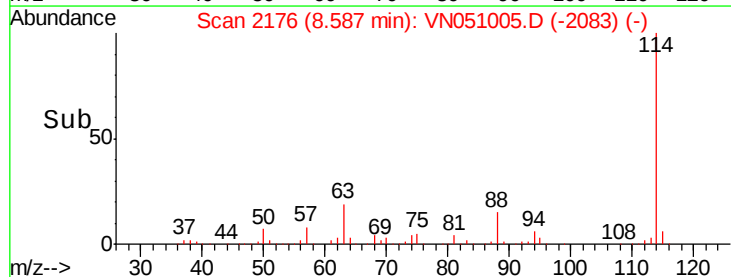
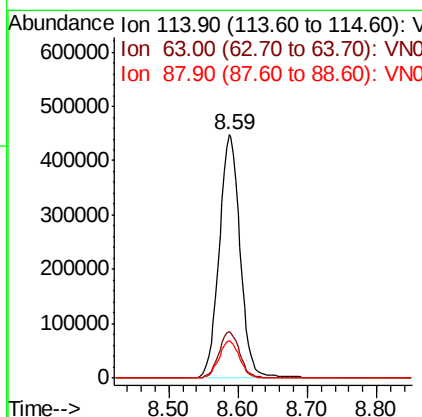
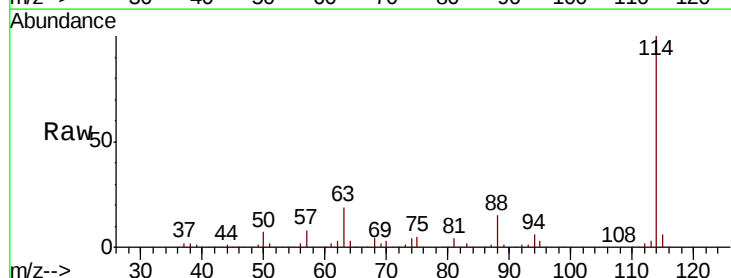
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBL01

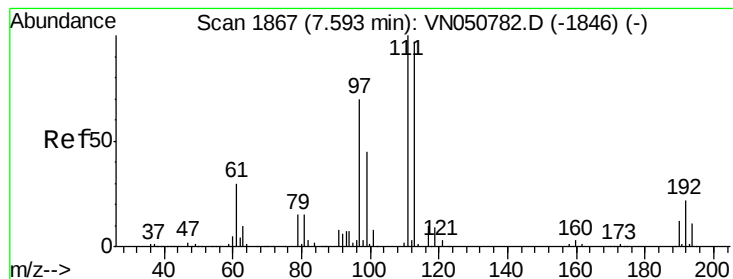
Tot Ion: 65 Resp: 377362
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN051005.D
 Acq: 4 Sep 2018 9:13

Tgt Ion: 114 Resp: 941340
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.01 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBL01

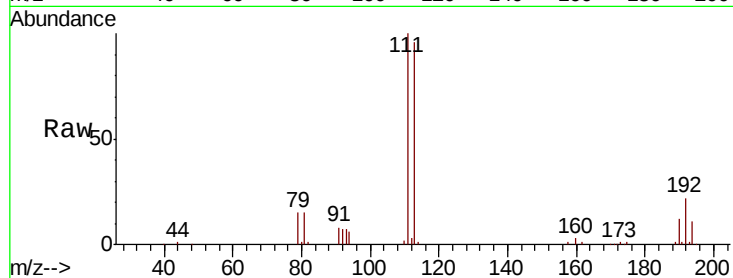
Tot Ion:113 Resp: 367028

Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

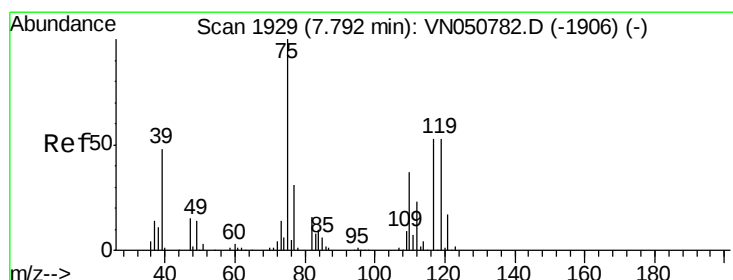
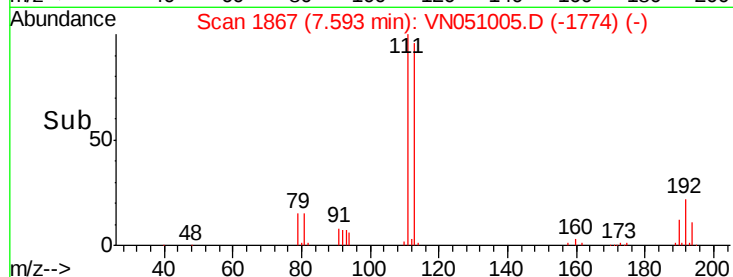
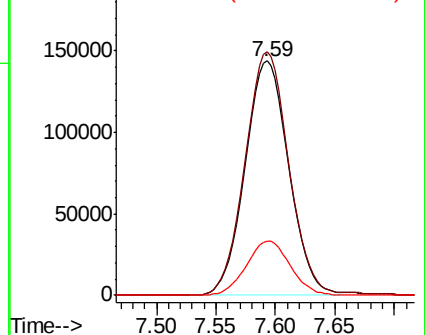
192 23.4 18.0 27.0



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: 3.58 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

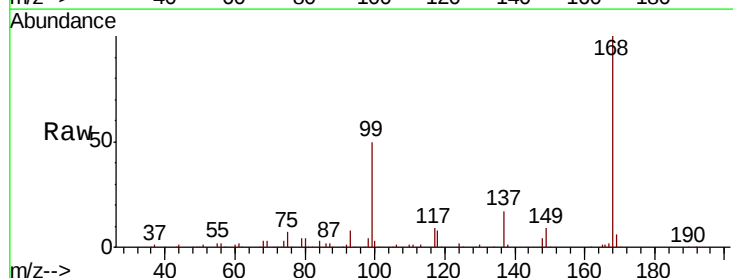
Tgt Ion: 75 Resp: 39771

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.4#

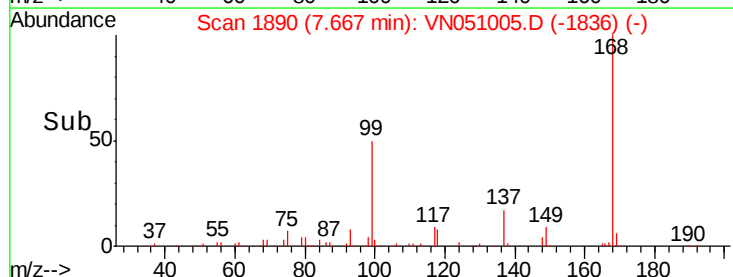
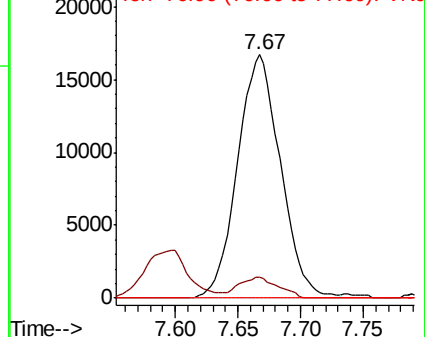
77 0.0 24.8 37.2#

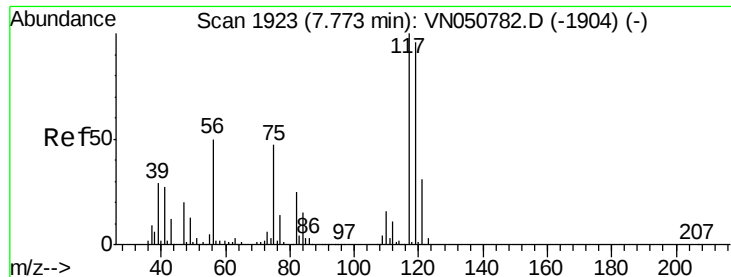


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.71 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBL01

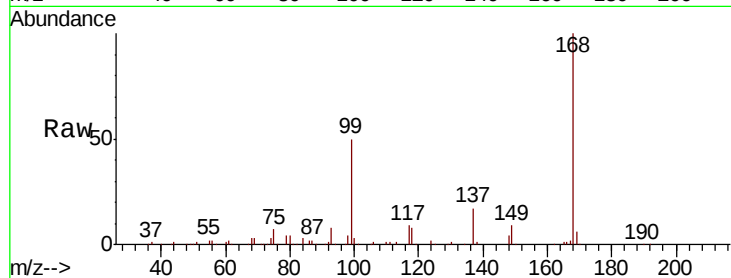
Tot Ion:117 Resp: 52866

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

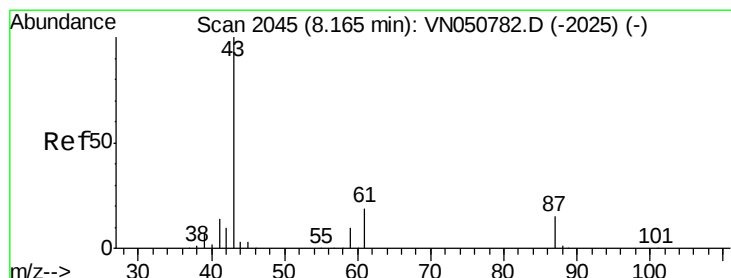
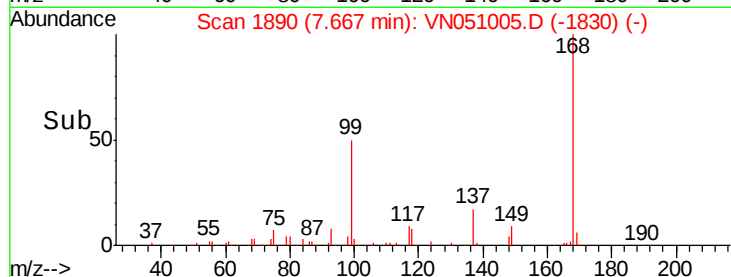
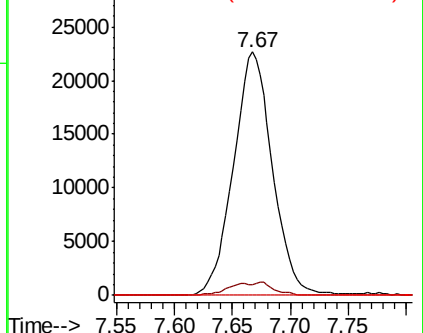
121 0.0 24.6 36.8#



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: 1.88 ug/l

RT: 8.28 min Scan# 2081

Delta R.T. 0.12 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

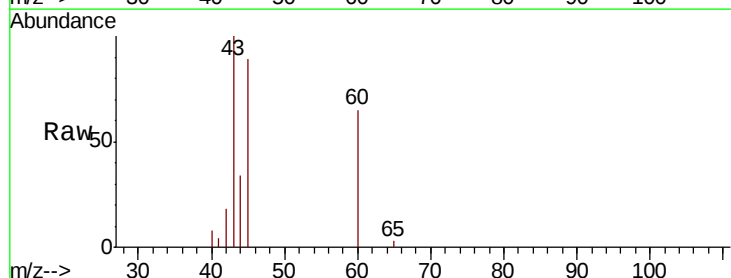
Tgt Ion: 43 Resp: 20582

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

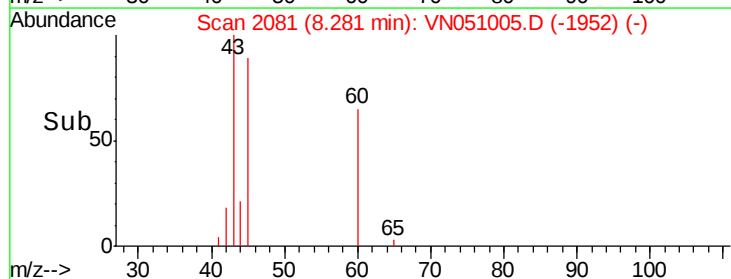
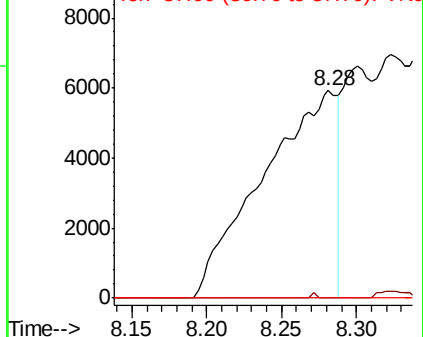
87 0.0 11.3 16.9#

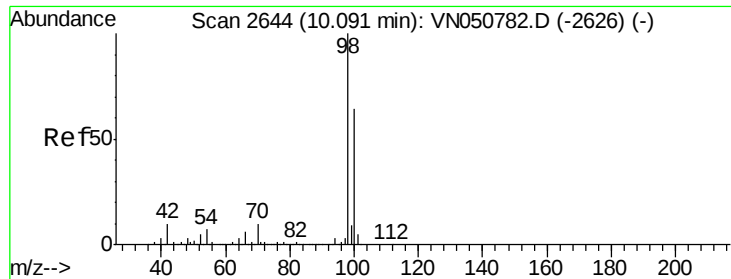


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 46.12 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

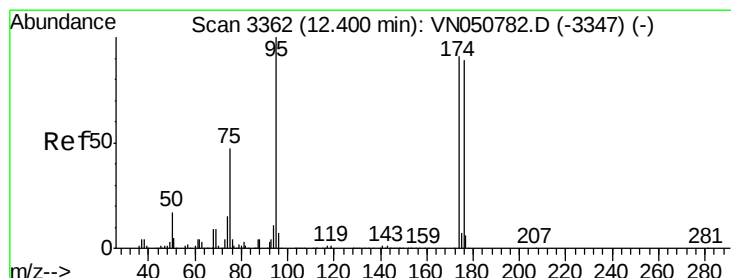
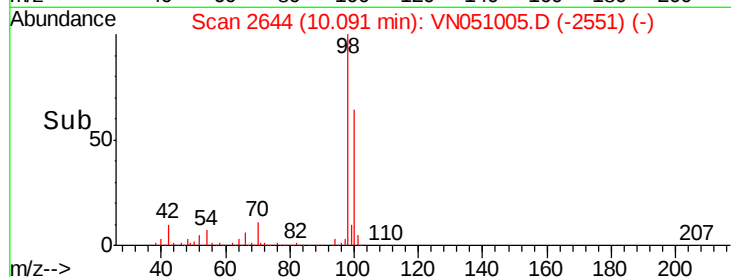
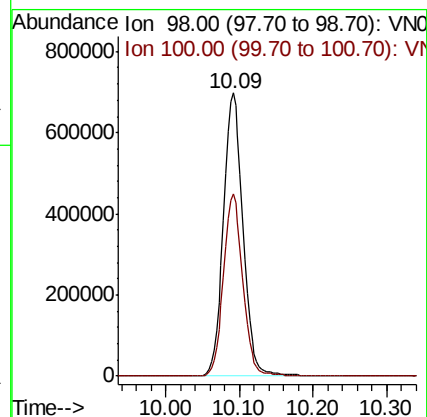
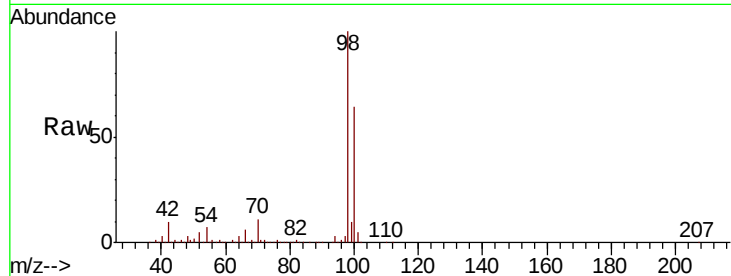
VN0904WBL01

Tot Ion: 98 Resp: 1291189

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 35.29 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

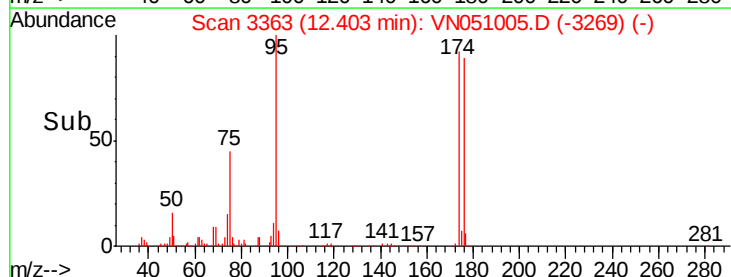
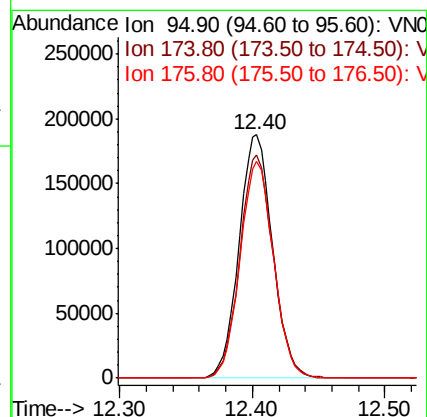
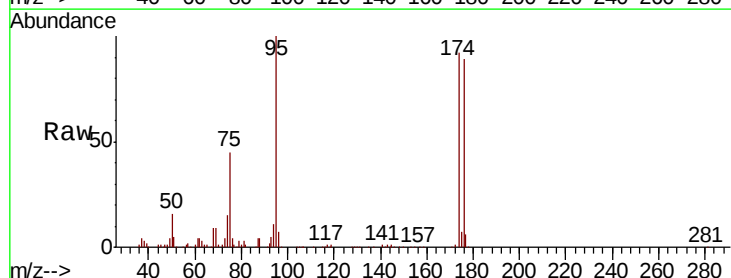
Tgt Ion: 95 Resp: 328308

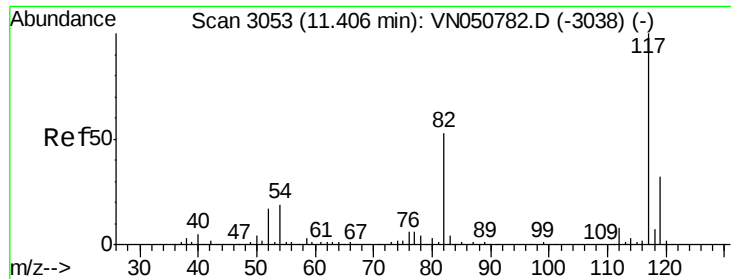
Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.0

176 89.0 0.0 178.8

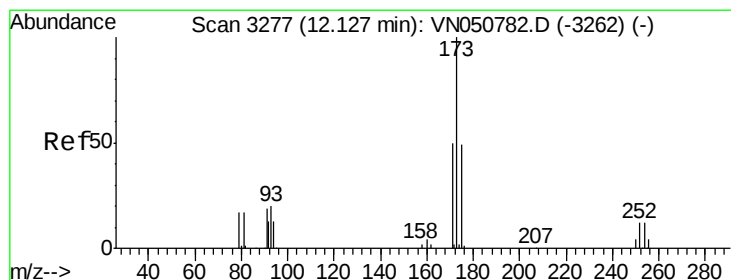
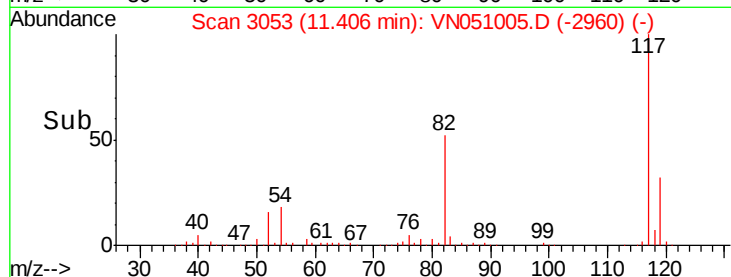
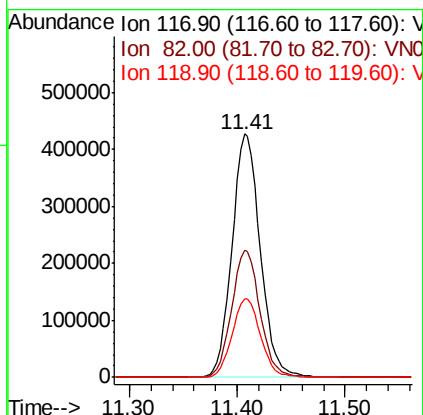
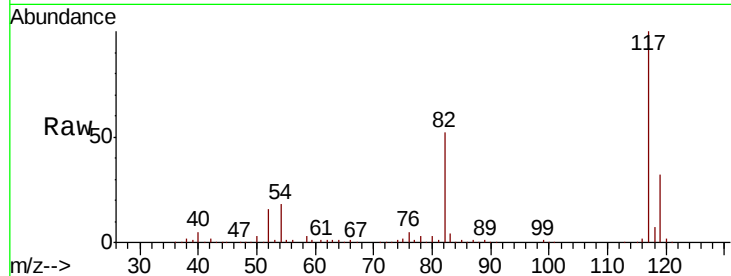




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN051005.D
Acq: 4 Sep 2018 9:13

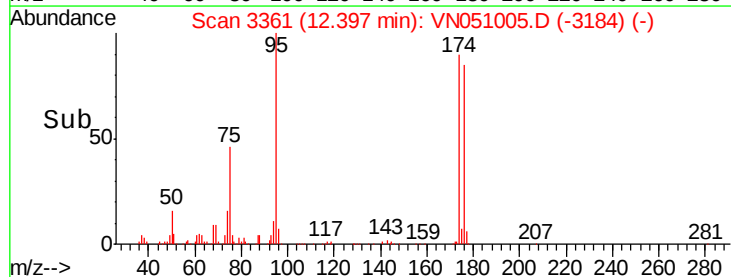
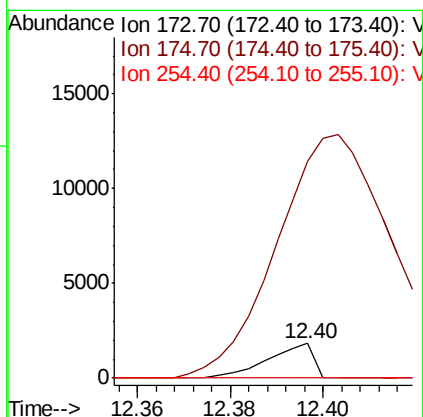
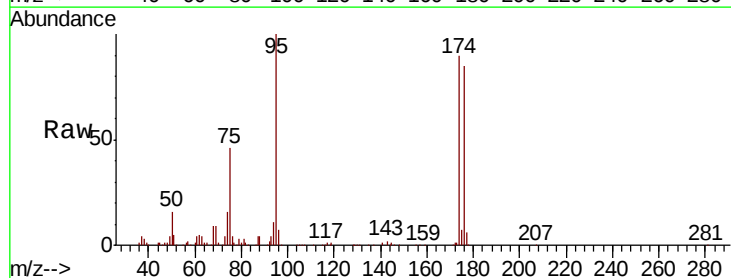
Instrument :
MSVOA_N
ClientSampled :
VN0904WBL01

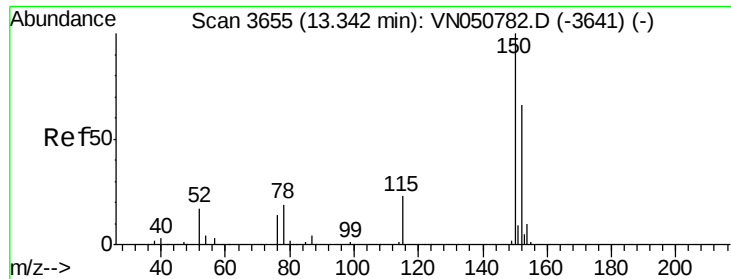
Tot Ion:117 Resp: 781693
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 32.3 25.8 38.6



#71
Bromoform
Concen: 0.25 ug/l
RT: 12.40 min Scan# 3361
Delta R.T. 0.27 min
Lab File: VN051005.D
Acq: 4 Sep 2018 9:13

Tgt Ion:173 Resp: 1263
Ion Ratio Lower Upper
173 100
175 1474.2 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBL01

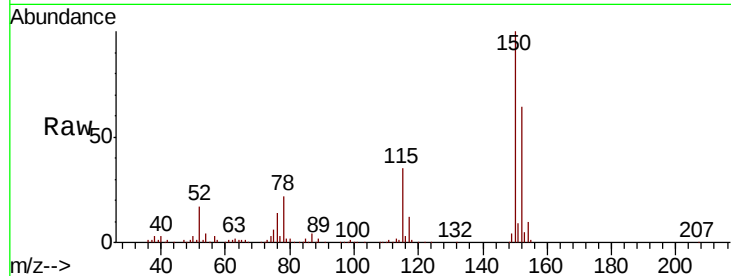
Tot Ion:152 Resp: 240365

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.4

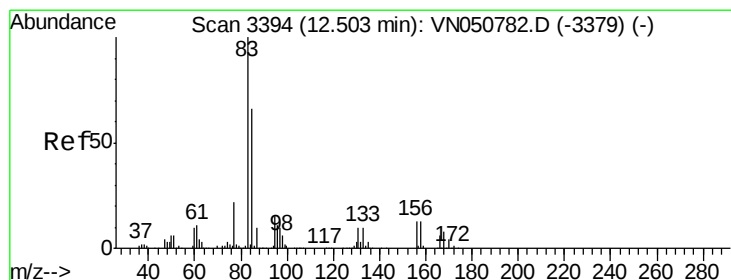
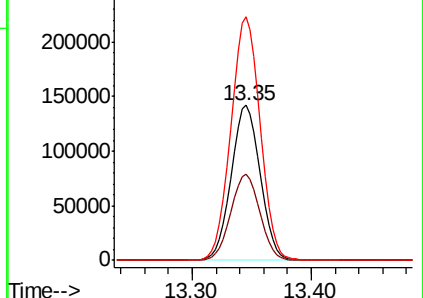
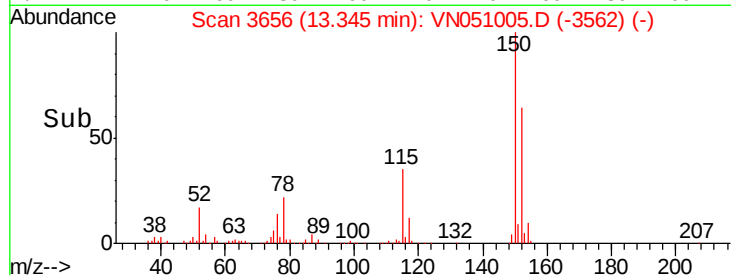
150 157.6 0.0 351.4



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: 12.41 min Scan# 3365

Delta R.T. -0.09 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

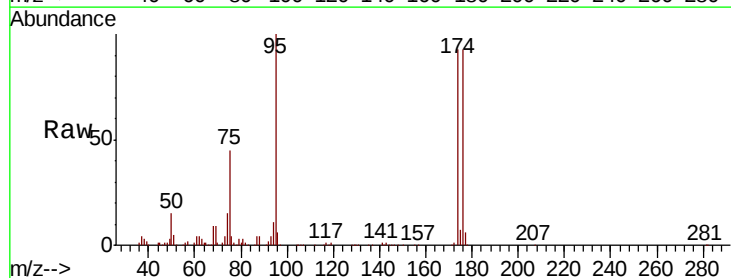
Tgt Ion: 83 Resp: 161

Ion Ratio Lower Upper

83 100

131 111.8 5.3 15.9#

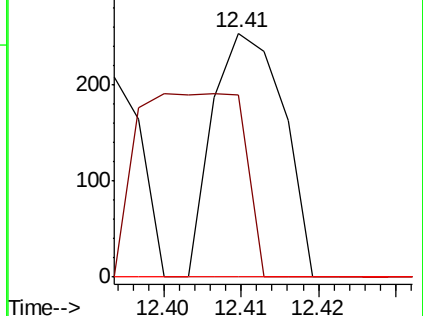
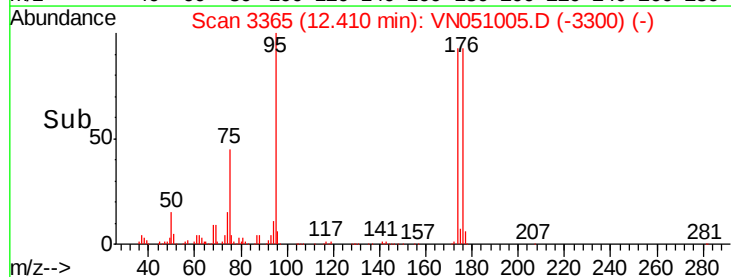
85 0.0 31.9 95.7#

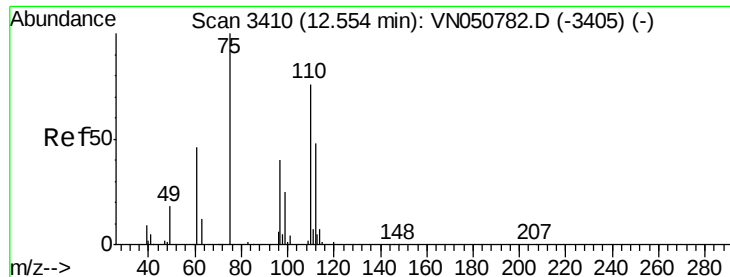


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.87 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.15 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampleId :

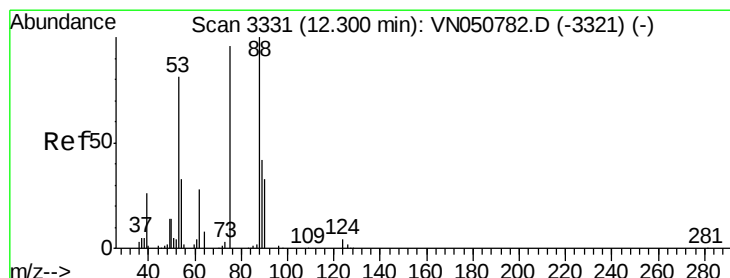
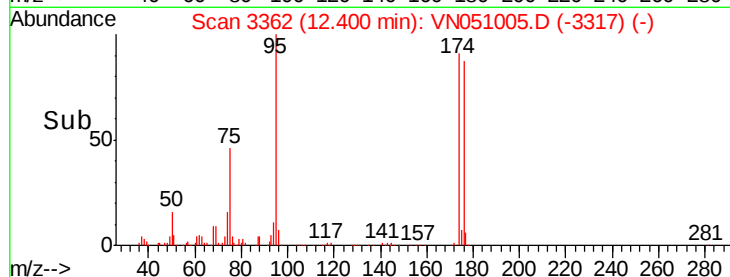
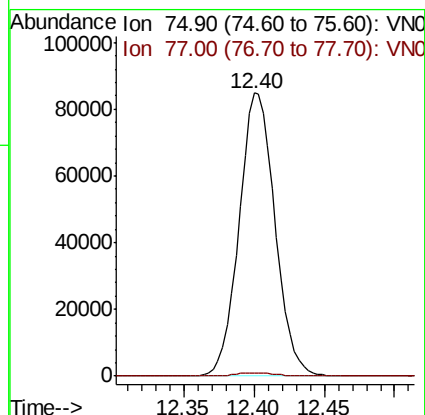
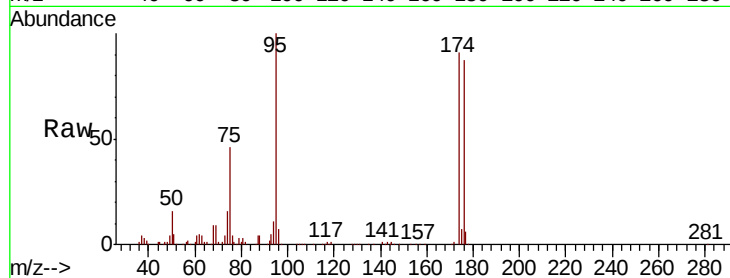
VN0904WBL01

Tot Ion: 75 Resp: 151005

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.26 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.10 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

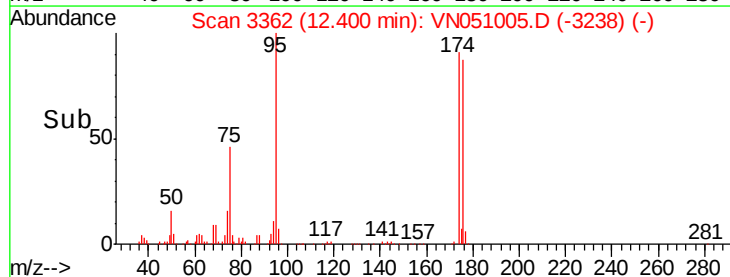
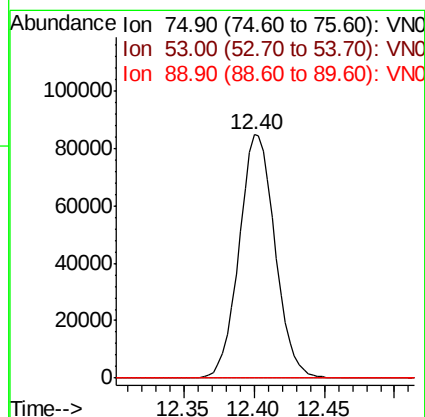
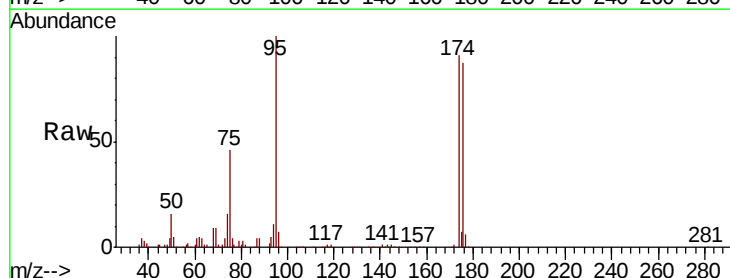
Tgt Ion: 75 Resp: 151005

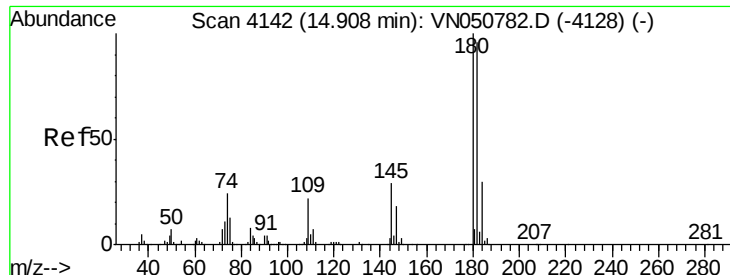
Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

89 0.0 36.1 54.1#

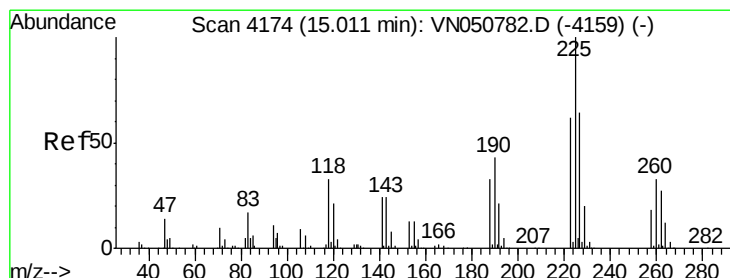
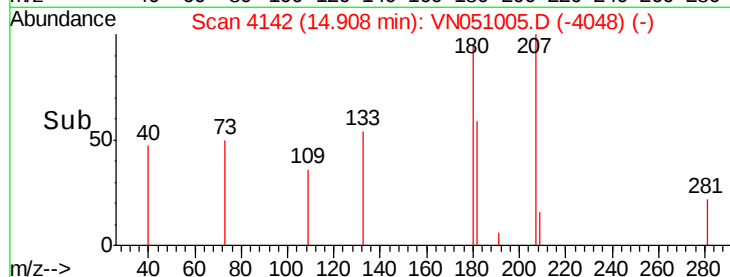
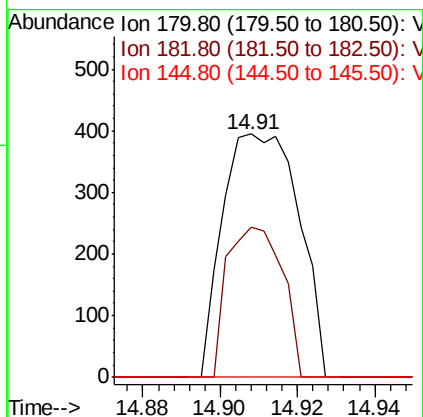
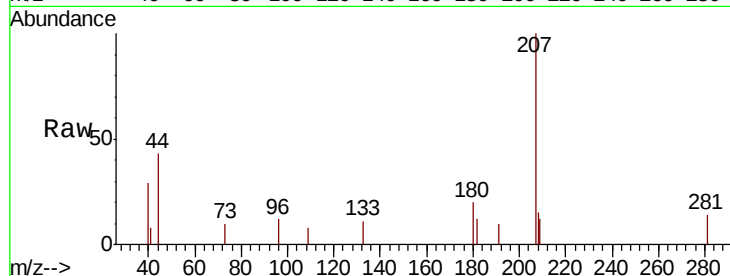




#93
 1,2,4-Trichlorobenzene
 Concen: 4.19 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN051005.D
 Acq: 4 Sep 2018 9:13

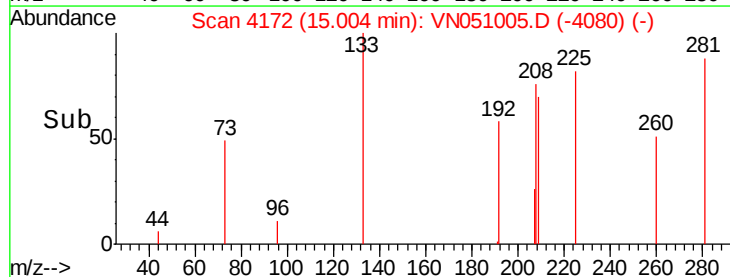
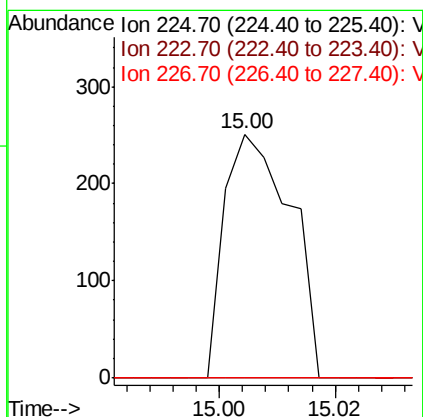
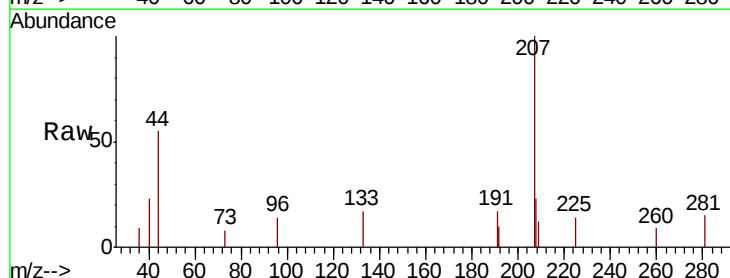
Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBL01

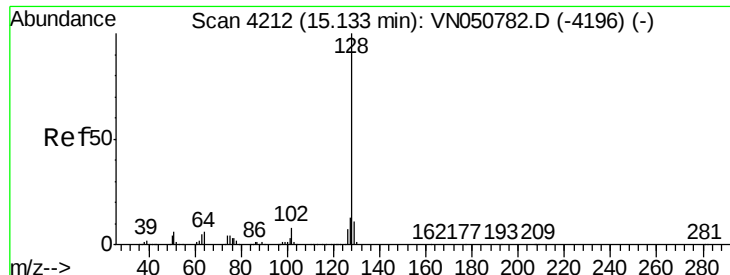
Tot Ion:180 Resp: 541
 Ion Ratio Lower Upper
 180 100
 182 44.5 48.2 144.6#
 145 0.0 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4172
 Delta R.T. -0.01 min
 Lab File: VN051005.D
 Acq: 4 Sep 2018 9:13

Tgt Ion:225 Resp: 198
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.3 93.8#
 227 0.0 32.0 96.2#





#95

Naphthalene

Concen: 5.54 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

Instrument :

MSVOA_N

ClientSampled :

VN0904WBL01

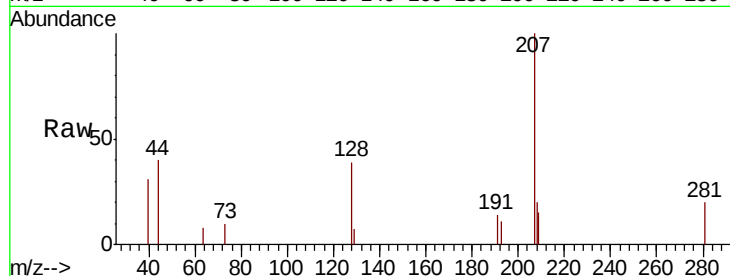
Tot Ion:128 Resp: 1488

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

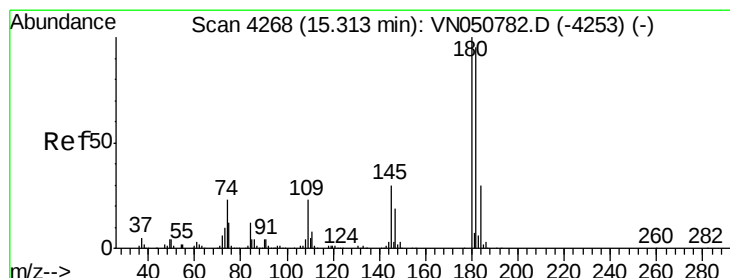
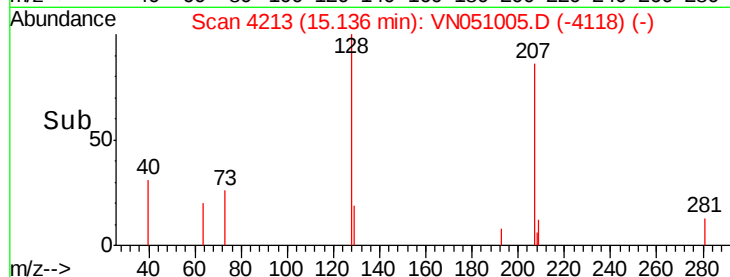
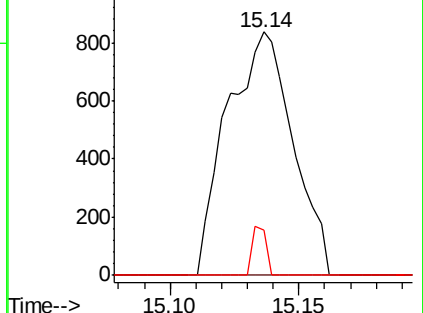
129 4.2 8.7 13.1#



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: 3.49 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN051005.D

Acq: 4 Sep 2018 9:13

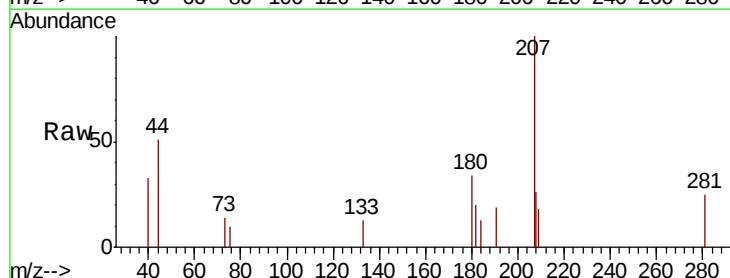
Tgt Ion:180 Resp: 905

Ion Ratio Lower Upper

180 100

182 66.2 48.0 144.2

145 0.0 15.2 45.6#



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

