

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050952.D
 Acq On : 30 Aug 2018 10:54
 Operator : MD\SY
 Sample : VN0830WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

Quant Time: Aug 31 01:33:01 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	626659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	816531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242851	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	394670	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	7.59	113	385837	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	10.09	98	1361841	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
62) 4-Bromofluorobenzene	12.40	95	339848	35.12	ug/l	0.00
Spiked Amount			Recovery	=	70.24%	

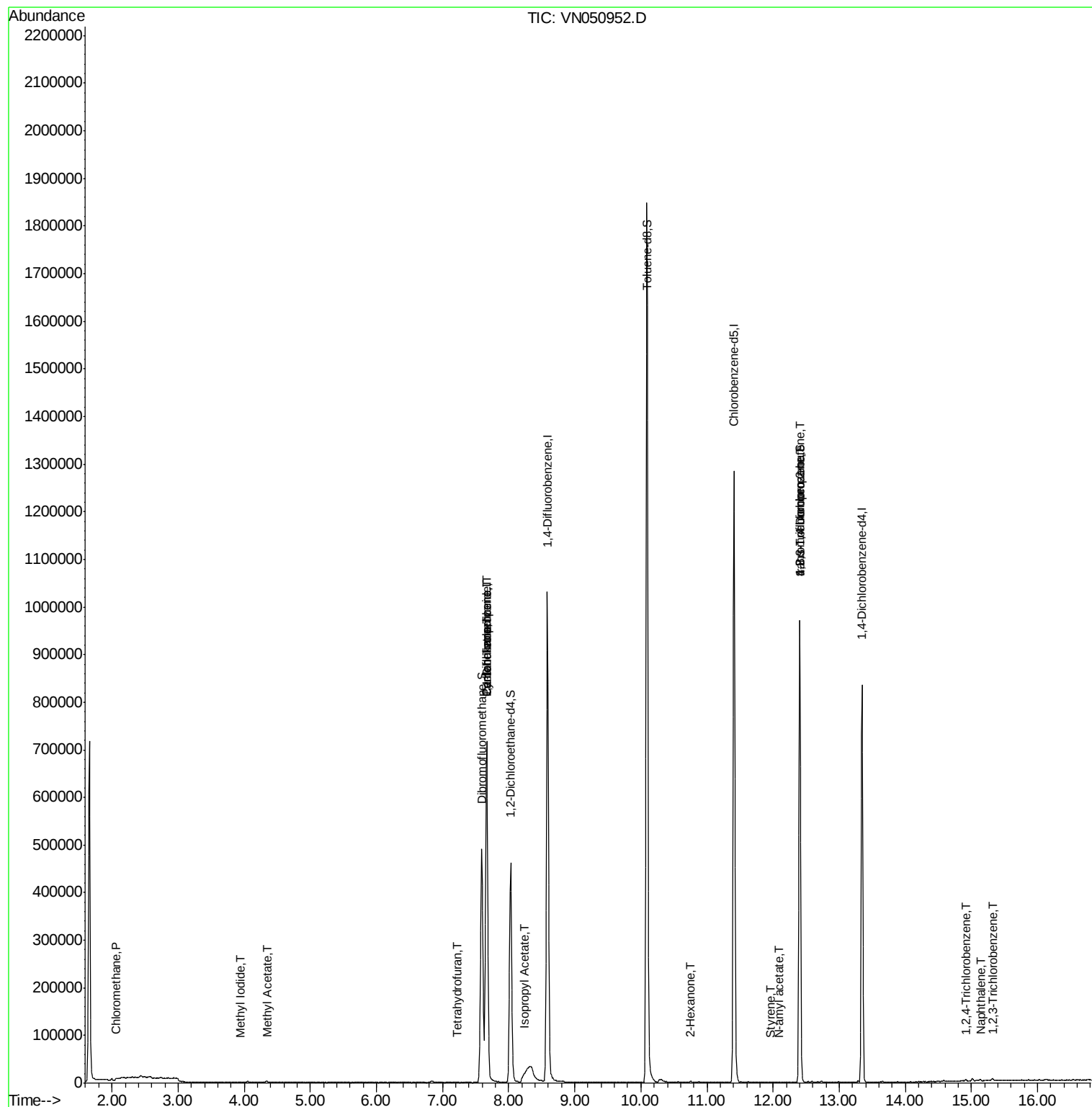
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2075	0.20	ug/l	# 84
5) Bromomethane	2.57	94	2598	Below	Cal	# 89
10) Methyl Iodide	3.94	142	171	6.36	ug/l	# 65
16) Acetone	3.83	43	1464	Below	Cal	# 82
18) Methyl Acetate	4.33	43	4796	0.67	ug/l	# 97
29) Tetrahydrofuran	7.22	42	973	0.56	ug/l	# 58
31) Cyclohexane	7.67	56	11135	1.33	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	42523	3.68	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	53875	4.61	ug/l	# 17
43) Isopropyl Acetate	8.23	43	12419	1.09	ug/l	# 58
59) 2-Hexanone	10.76	43	2193	0.48	ug/l	# 81
70) Styrene	11.97	104	619	1.30	ug/l	# 47
74) N-amyl acetate	12.09	43	1054	0.21	ug/l	# 47
75) 1,1,2,2-Tetrachloroethane	12.50	83	304	Below	Cal	# 26
76) 1,2,3-Trichloropropane	12.40	75	156451	36.78	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	156451	124.34	ug/l	# 15
93) 1,2,4-Trichlorobenzene	14.91	180	1355	4.35	ug/l	# 92
94) Hexachlorobutadiene	15.01	225	1118	Below	Cal	# 92
95) Naphthalene	15.14	128	3705	5.74	ug/l	# 97
96) 1,2,3-Trichlorobenzene	15.31	180	1926	3.71	ug/l	# 86

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
Data File : VN050952.D
Acq On : 30 Aug 2018 10:54
Operator : MD\SY
Sample : VN0830WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

Quant Time: Aug 31 01:33:01 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

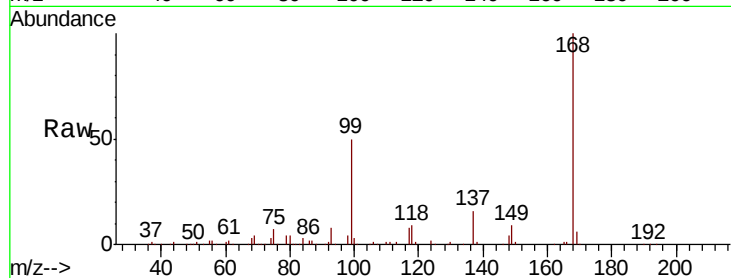
VN0830WBL01

Tot Ion:168 Resp: 626659

Ion Ratio Lower Upper

168 100

99 49.9 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

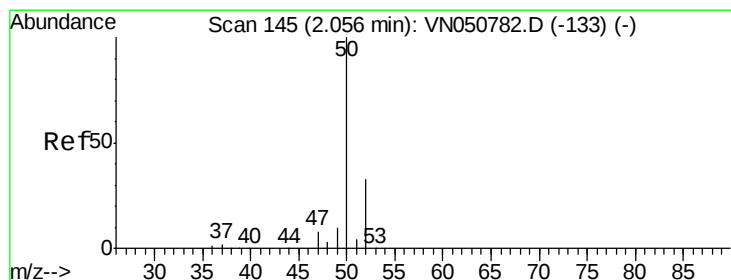
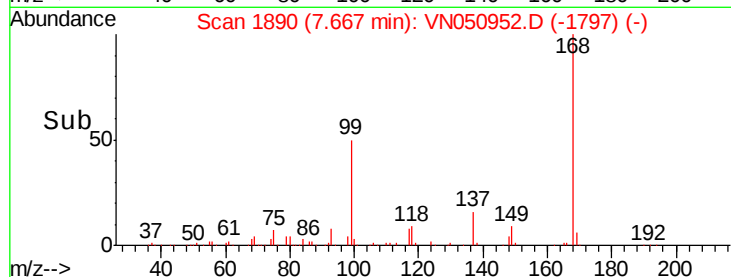
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050952.D

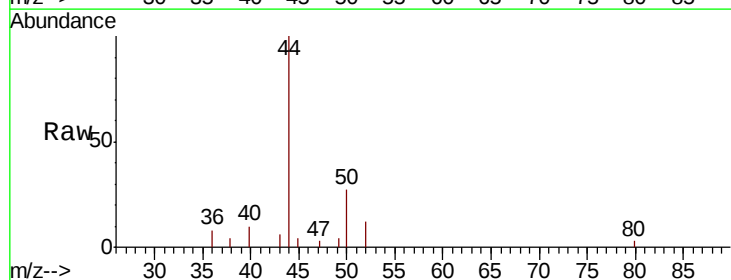
Acq: 30 Aug 2018 10:54

Tgt Ion: 50 Resp: 2075

Ion Ratio Lower Upper

50 100

52 42.2 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

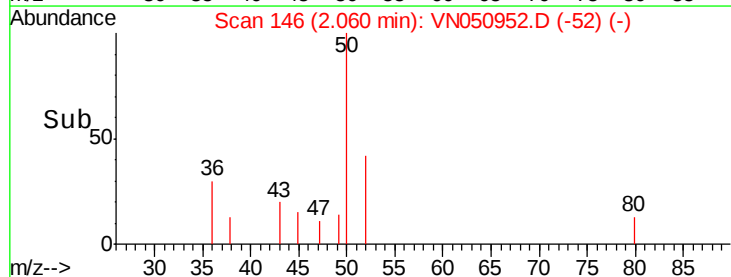
1500

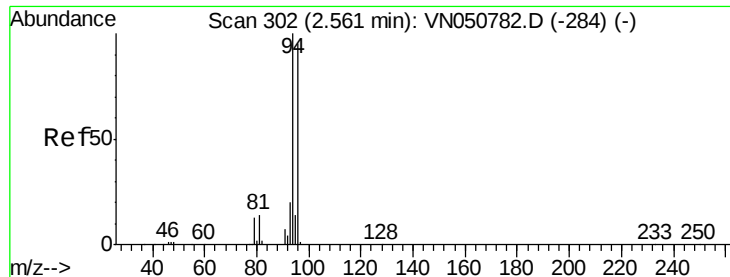
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

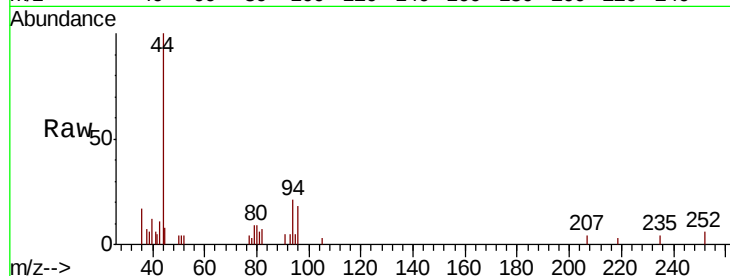
VN0830WBL01

Tot Ion: 94 Resp: 2598

Ion Ratio Lower Upper

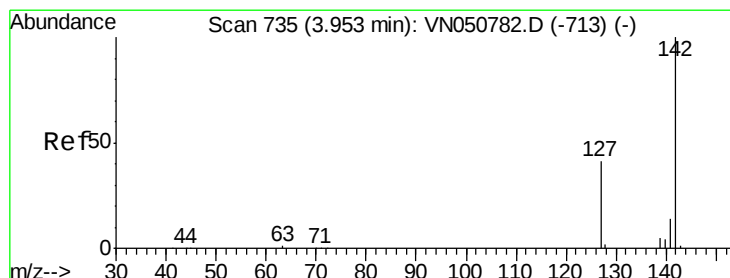
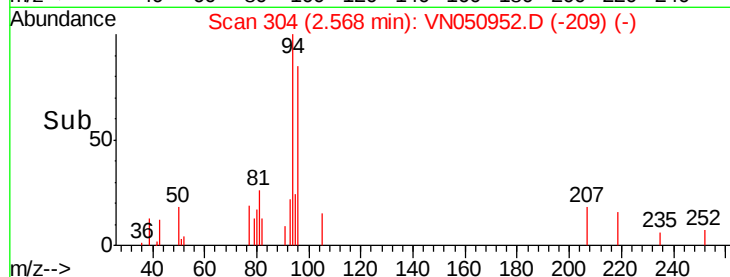
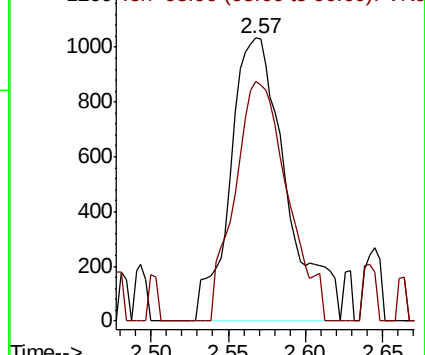
94 100

96 84.8 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050952.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050952.D (-209) (-)



#10

Methyl Iodide

Concen: 6.36 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

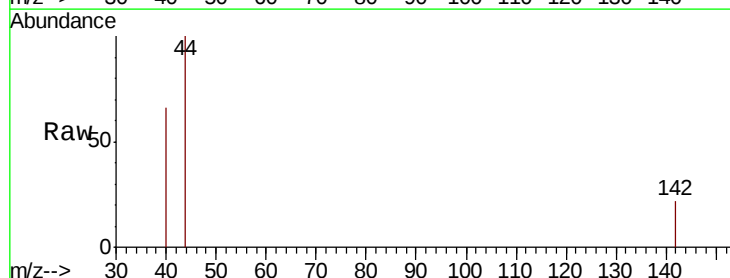
Tgt Ion: 142 Resp: 171

Ion Ratio Lower Upper

142 100

127 18.1 31.7 47.5#

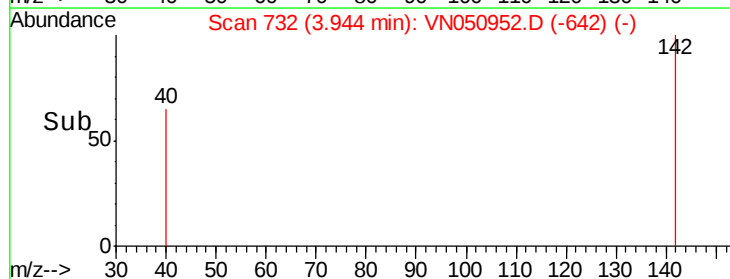
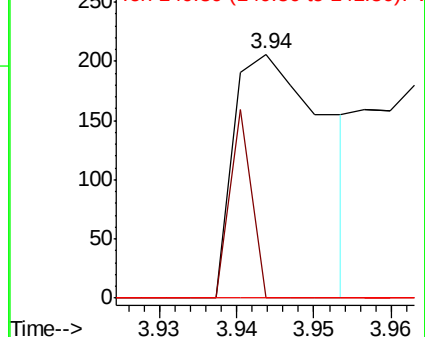
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050952.D (-642) (-)

Ion 126.80 (126.50 to 127.50): VN050952.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050952.D (-642) (-)





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

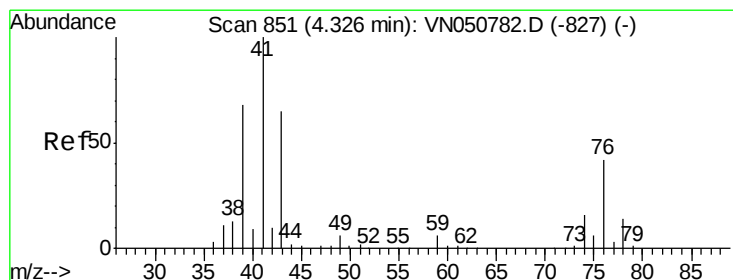
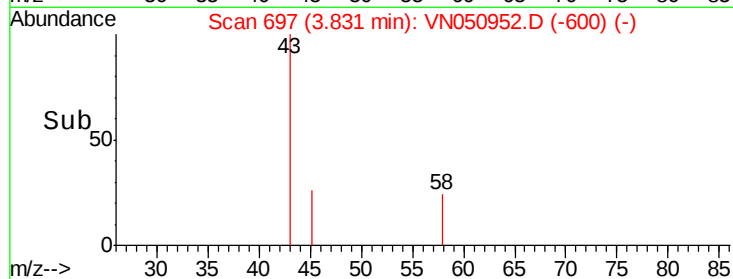
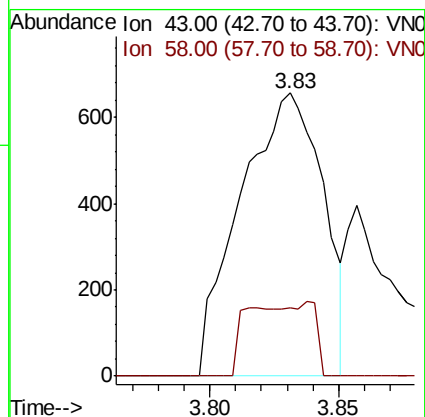
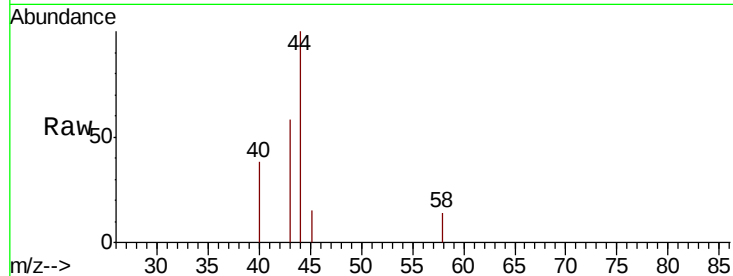
VN0830WBL01

Tot Ion: 43 Resp: 1464

Ion Ratio Lower Upper

43 100

58 23.9 27.2 40.8#



#18

Methyl Acetate

Concen: 0.67 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN050952.D

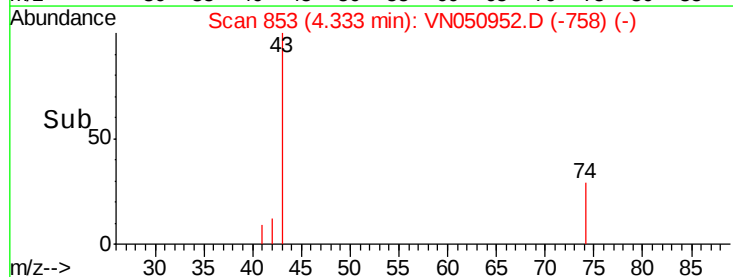
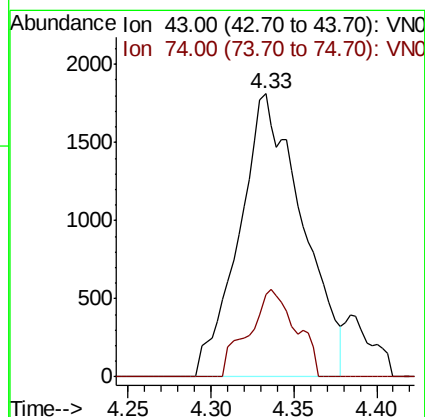
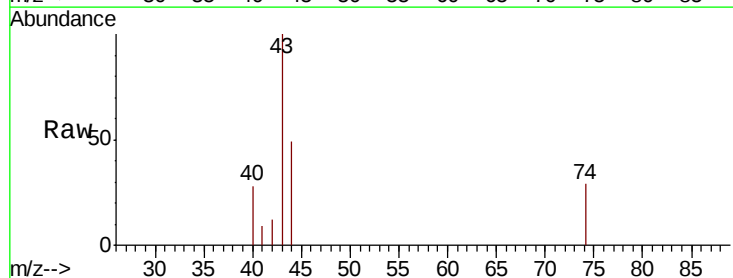
Acq: 30 Aug 2018 10:54

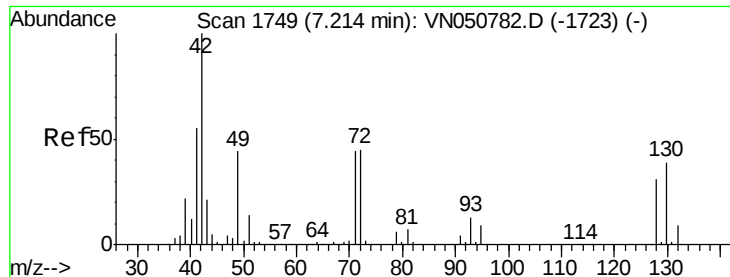
Tgt Ion: 43 Resp: 4796

Ion Ratio Lower Upper

43 100

74 23.2 19.8 29.8





#29

Tetrahydrofuran

Concen: 0.56 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBL01

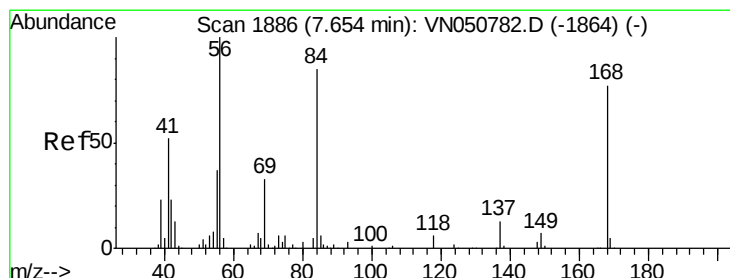
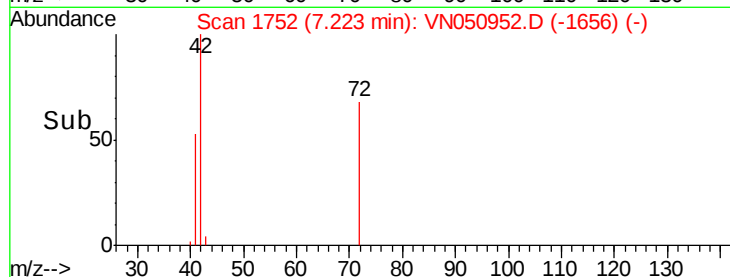
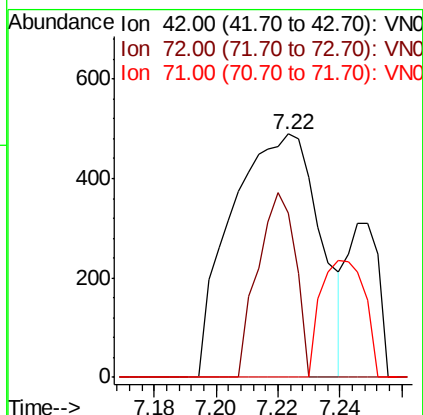
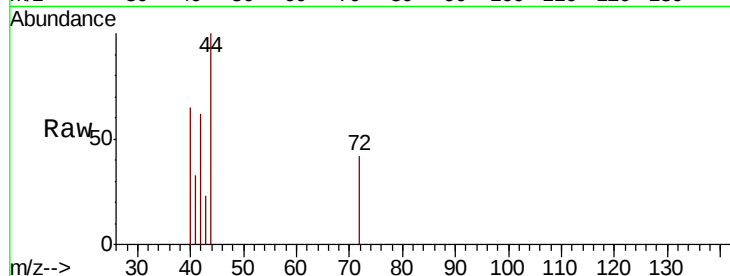
Tot Ion: 42 Resp: 973

Ion Ratio Lower Upper

42 100

72 32.0 35.5 53.3#

71 0.0 33.7 50.5#



#31

Cyclohexane

Concen: 1.33 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

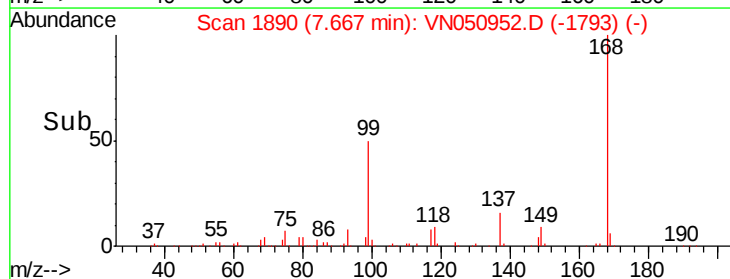
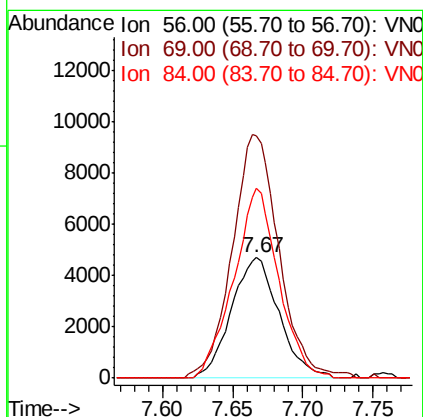
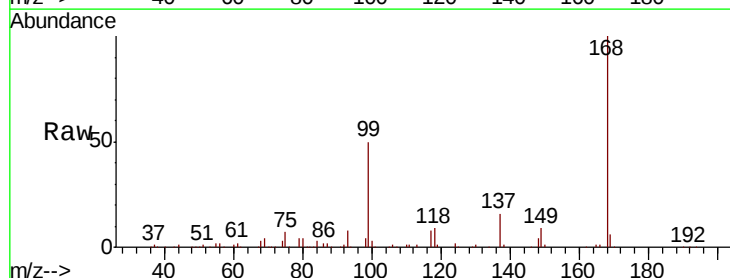
Tgt Ion: 56 Resp: 11135

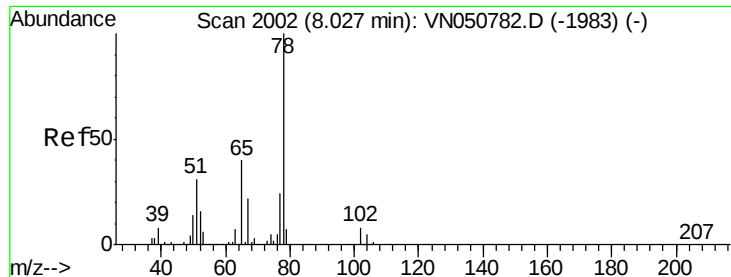
Ion Ratio Lower Upper

56 100

69 197.0 26.2 39.4#

84 157.5 68.3 102.5#

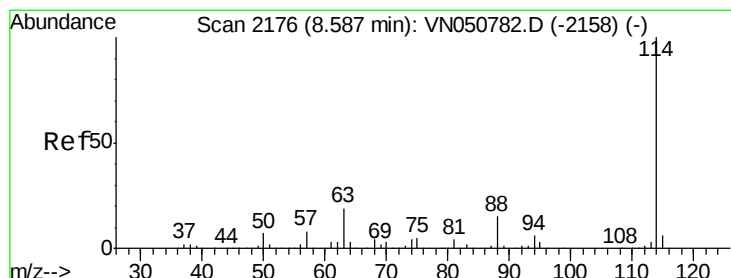
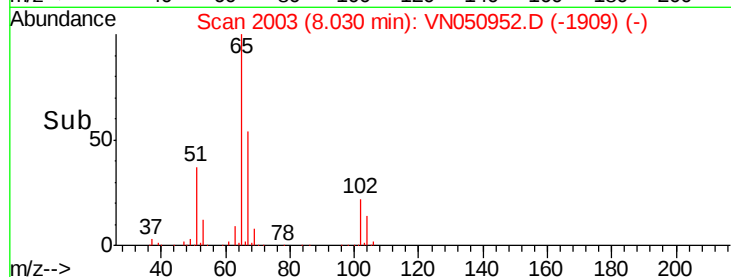
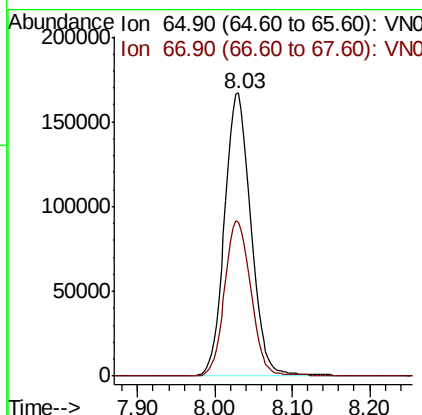
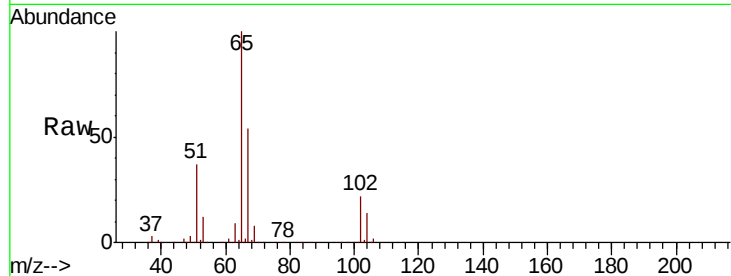




#33
 1,2-Dichloroethane-d4
 Concen: 52.31 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050952.D
 Acq: 30 Aug 2018 10:54

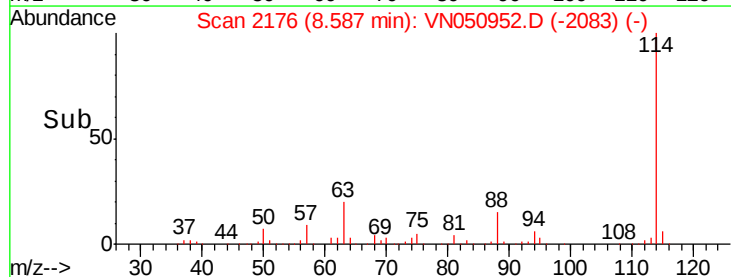
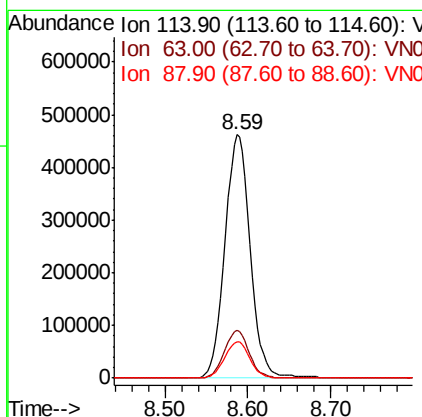
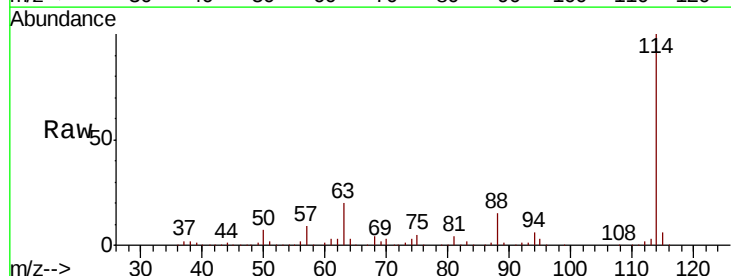
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

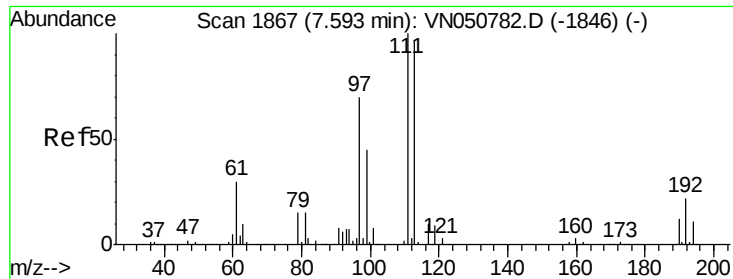
Tot Ion: 65 Resp: 394670
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050952.D
 Acq: 30 Aug 2018 10:54

Tgt Ion: 114 Resp: 979126
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.1 0.0 30.6

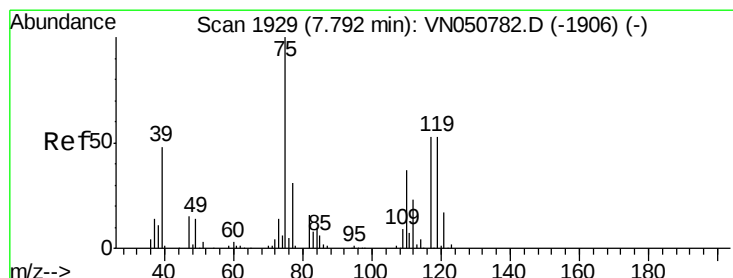
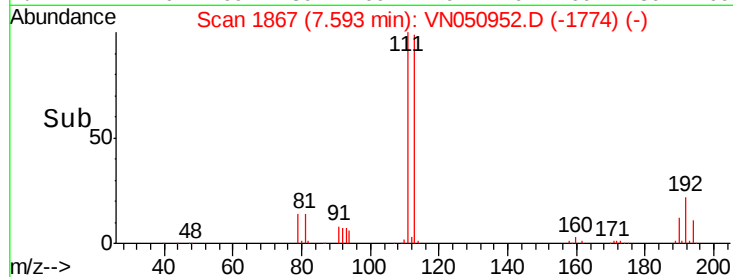
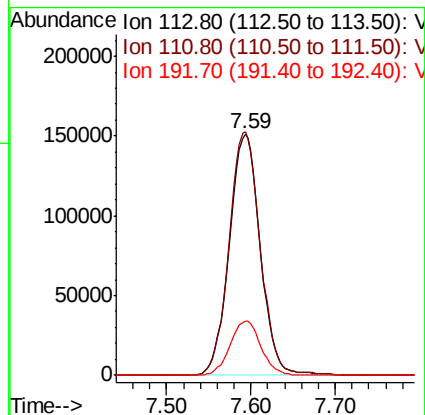
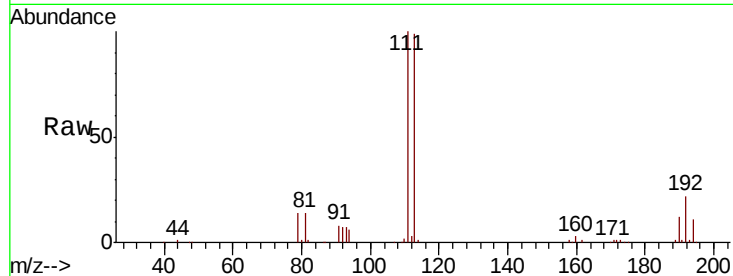




#35
 Dibromofluoromethane
 Concen: 49.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050952.D
 Acq: 30 Aug 2018 10:54

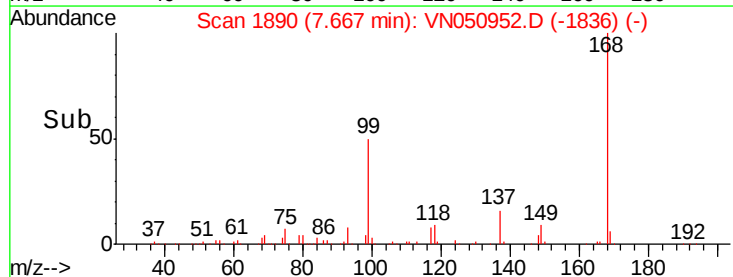
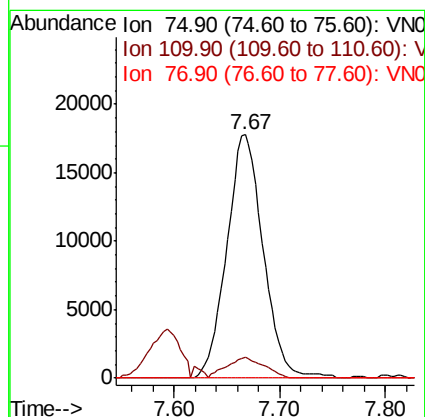
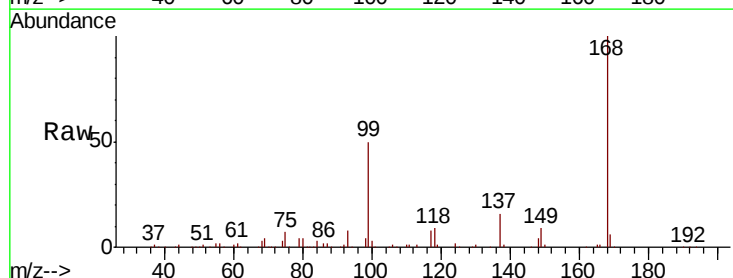
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

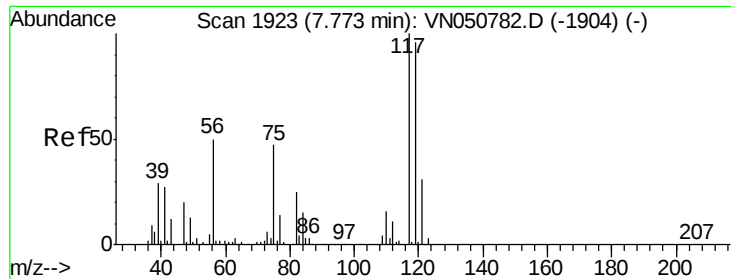
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	22.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.68 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050952.D
 Acq: 30 Aug 2018 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 4.61 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0830WBL01

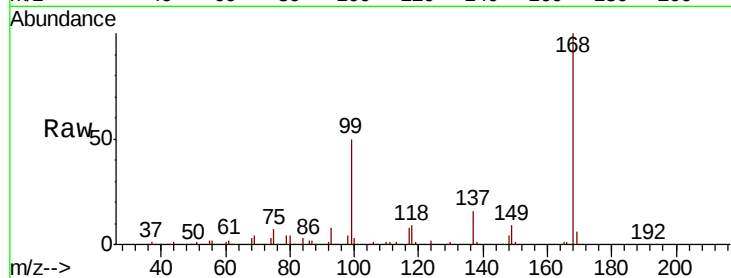
Tot Ion:117 Resp: 53875

Ion Ratio Lower Upper

117 100

119 6.2 76.3 114.5#

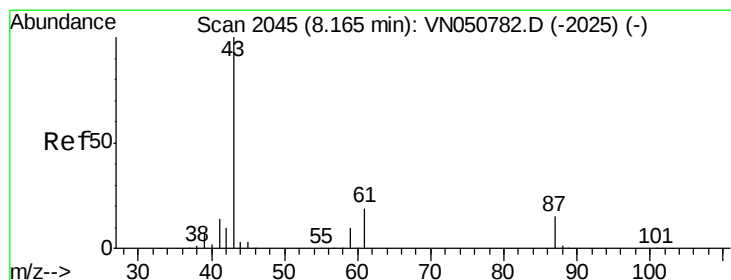
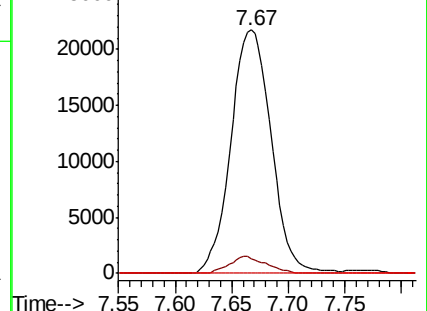
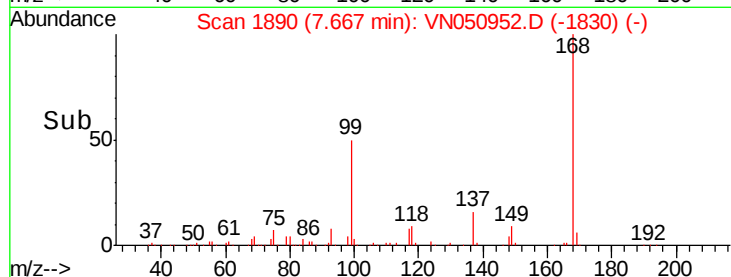
121 0.0 24.6 36.8#



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: 1.09 ug/l

RT: 8.23 min Scan# 2065

Delta R.T. 0.06 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

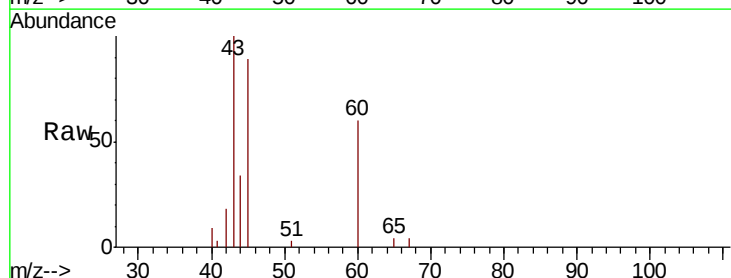
Tgt Ion: 43 Resp: 12419

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

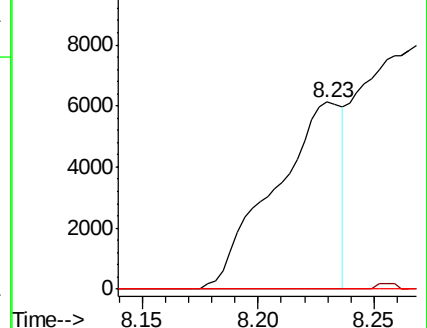
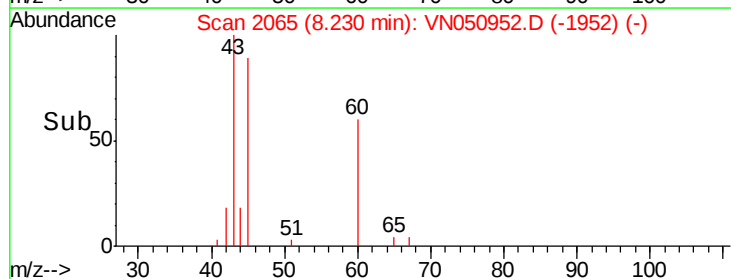
87 0.0 11.3 16.9#

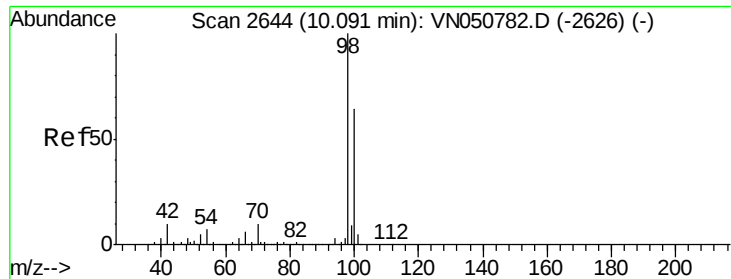


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 46.76 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

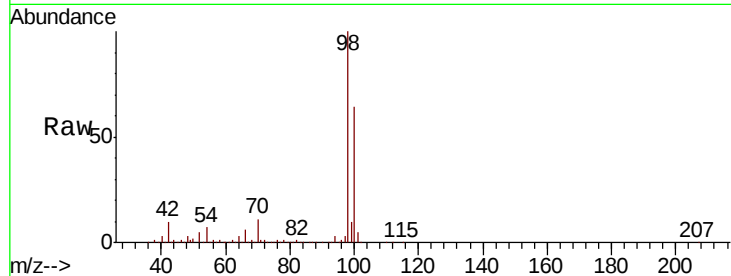
VN0830WBL01

Tot Ion: 98 Resp: 1361841

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

800000

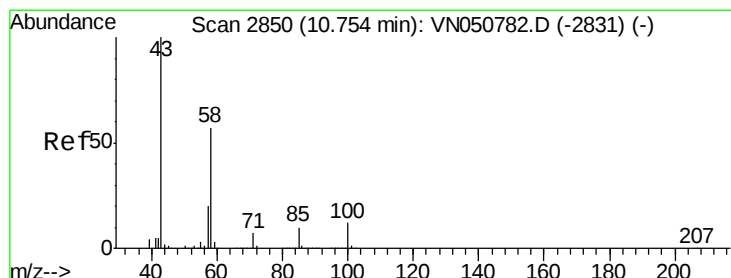
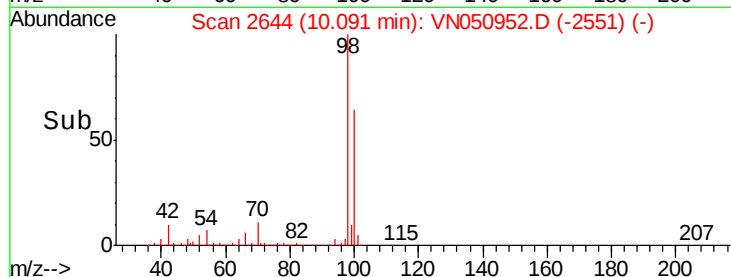
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 0.48 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN050952.D

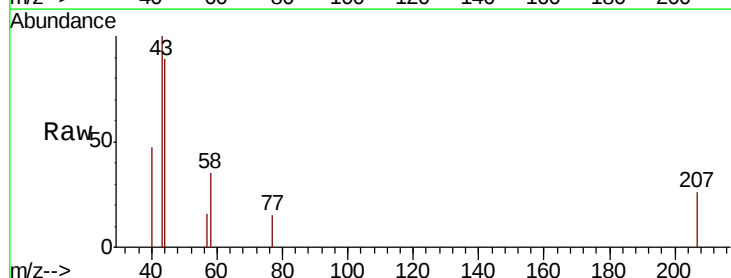
Acq: 30 Aug 2018 10:54

Tgt Ion: 43 Resp: 2193

Ion Ratio Lower Upper

43 100

58 42.5 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

1200

1000

800

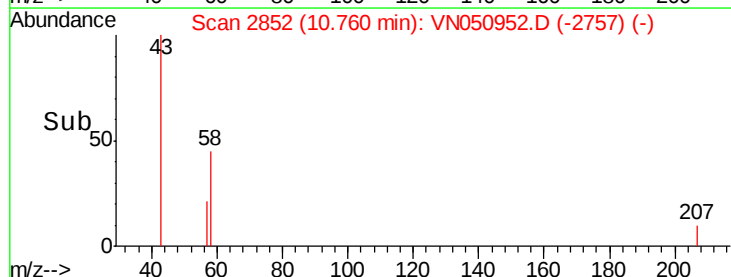
600

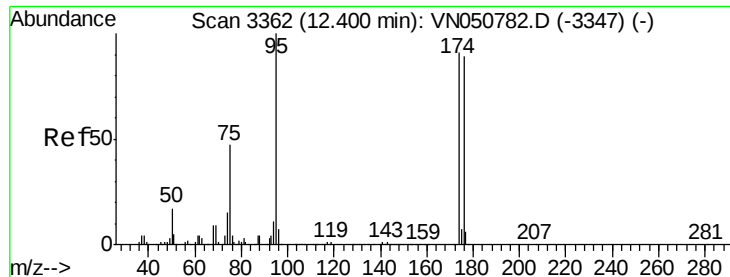
400

200

0

Time-->

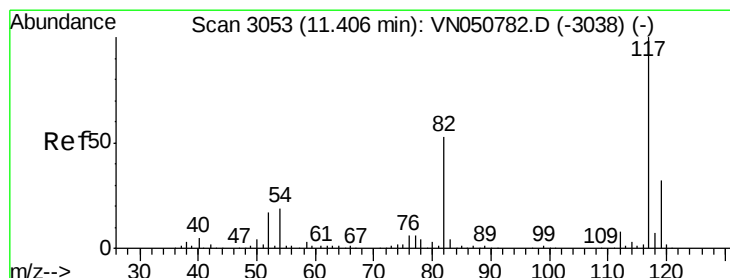
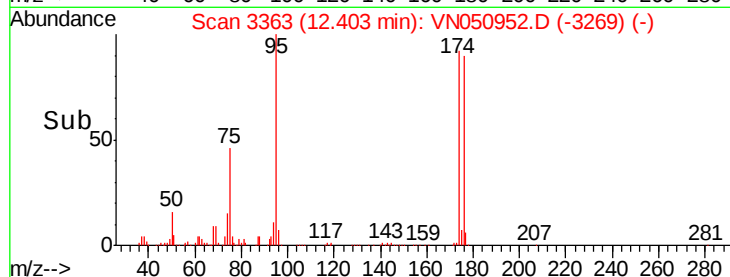
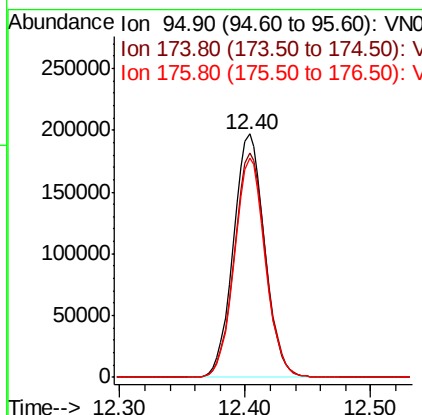
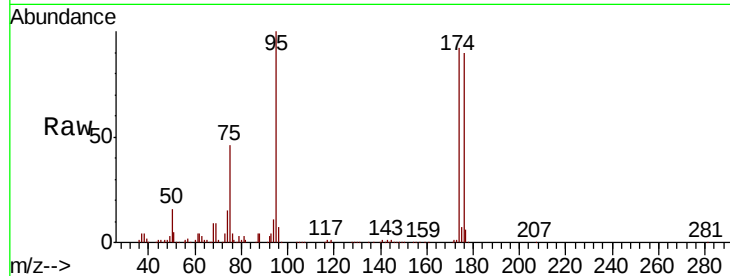




#62
4-Bromofluorobenzene
Concen: 35.12 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050952.D
Acq: 30 Aug 2018 10:54

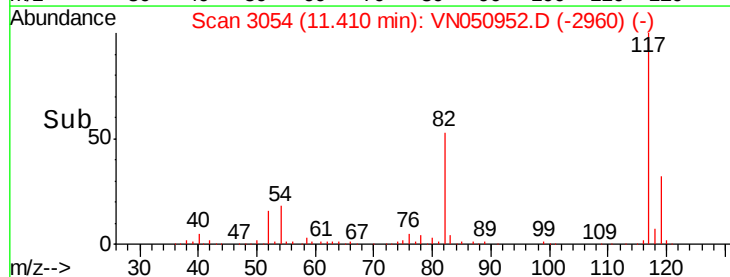
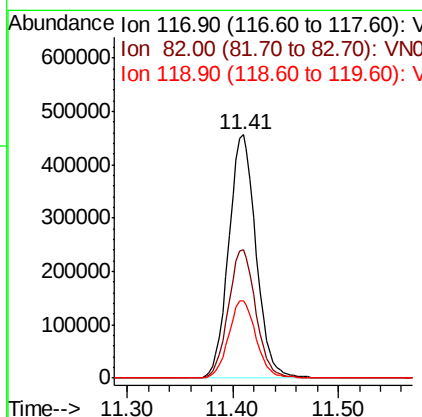
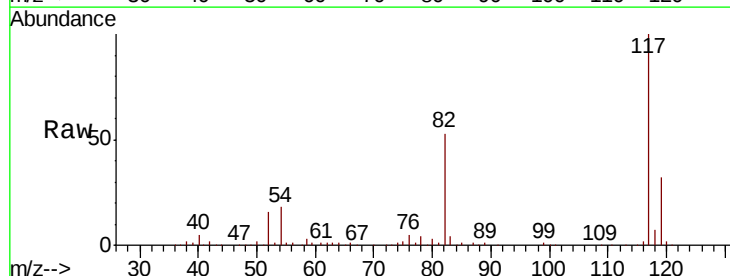
Instrument :
MSVOA_N
ClientSampled :
VN0830WBL01

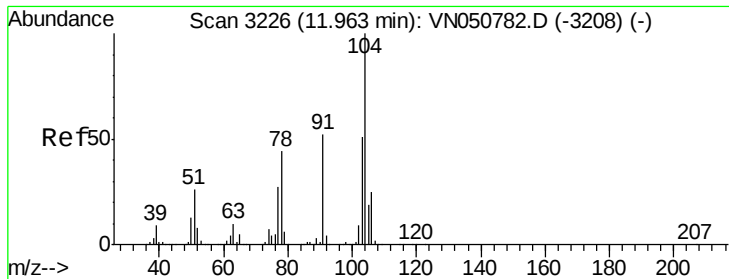
Tot Ion: 95 Resp: 339848
Ion Ratio Lower Upper
95 100
174 92.6 0.0 183.0
176 89.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050952.D
Acq: 30 Aug 2018 10:54

Tgt Ion: 117 Resp: 816531
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 32.0 25.8 38.6





#70

Stvrene

Concen: 1.30 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBL01

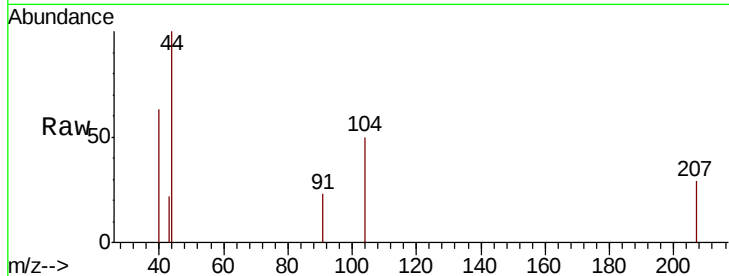
Tot Ion:104 Resp: 619

Ion Ratio Lower Upper

104 100

78 0.0 38.2 57.4#

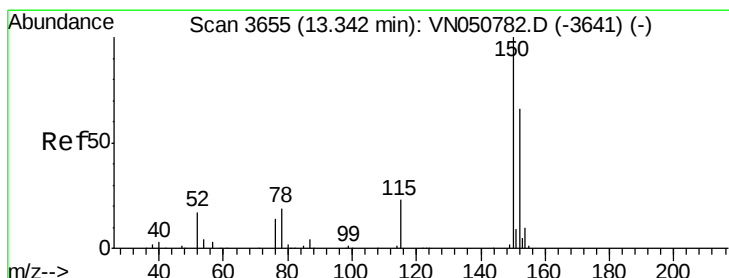
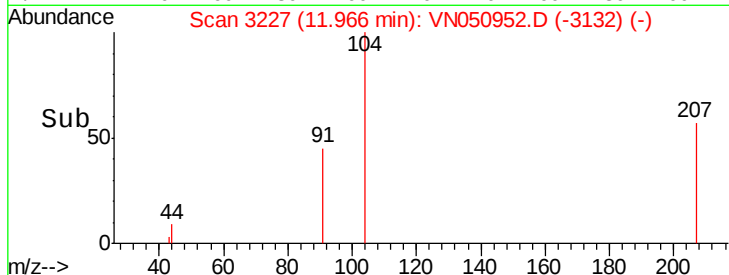
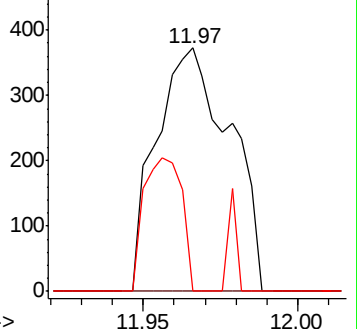
103 27.9 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

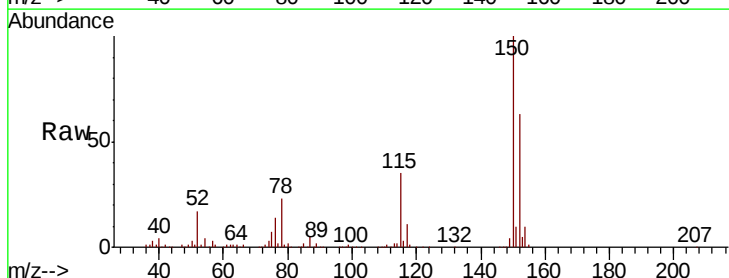
Tgt Ion:152 Resp: 242851

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.4

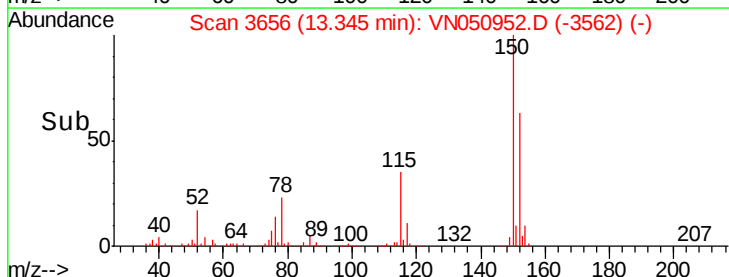
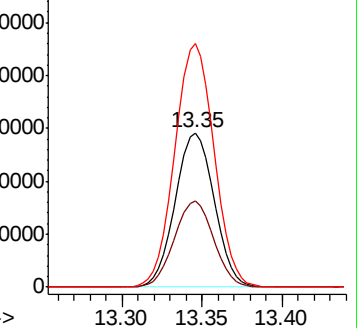
150 159.0 0.0 351.4

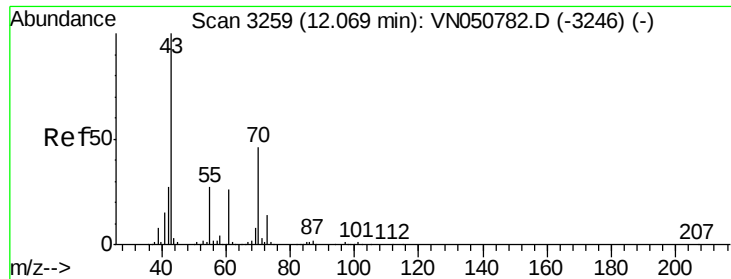


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.21 ug/l

RT: 12.09 min Scan# 3265

Delta R.T. 0.02 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0830WBL01

Tot Ion: 43 Resp: 1054

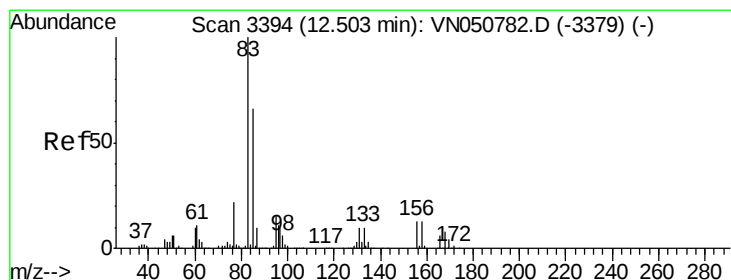
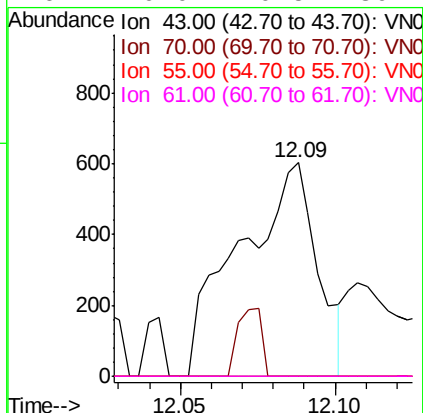
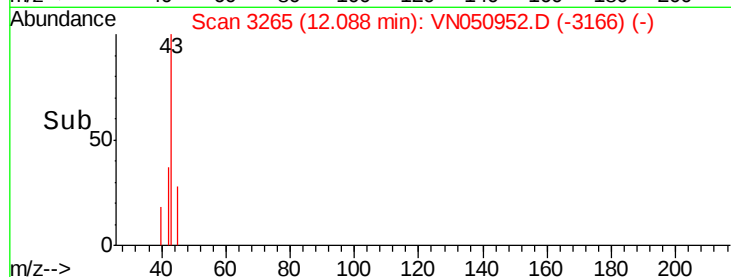
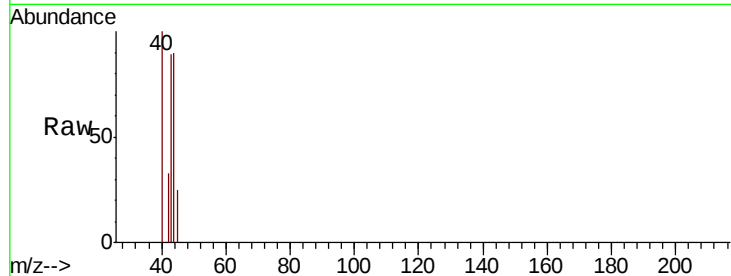
Ion Ratio Lower Upper

43 100

70 9.7 36.2 54.2#

55 0.0 21.8 32.8#

61 0.0 20.5 30.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

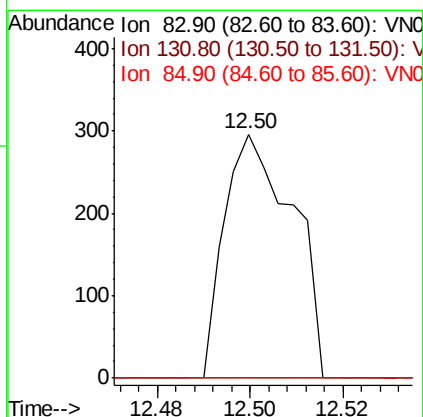
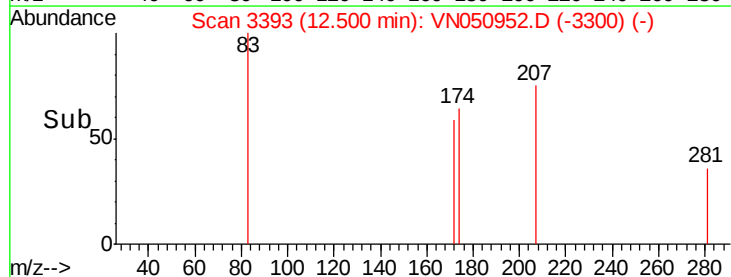
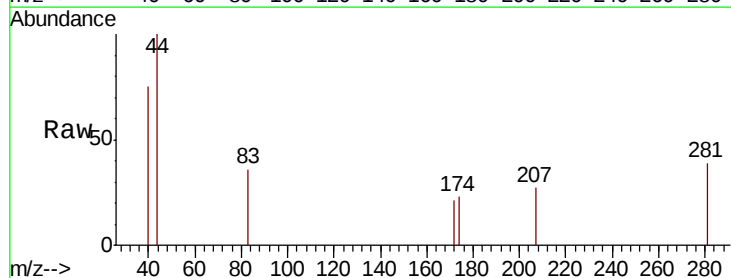
Tgt Ion: 83 Resp: 304

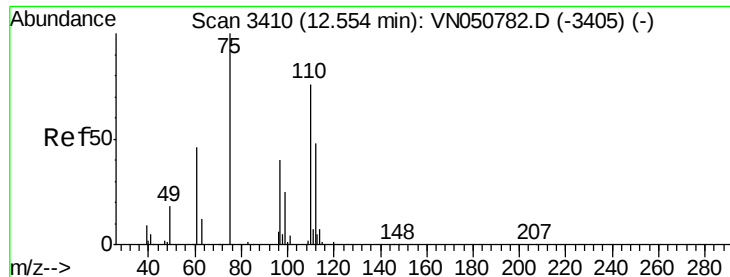
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 36.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

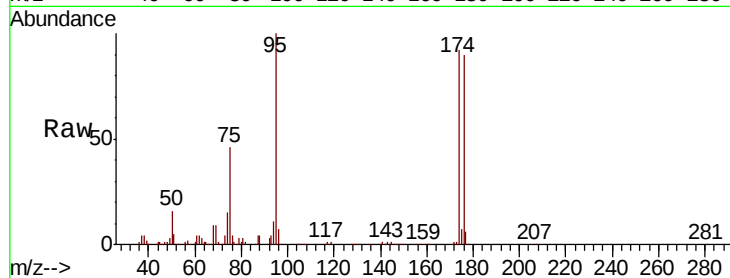
VN0830WBL01

Tot Ion: 75 Resp: 156451

Ion Ratio Lower Upper

75 100

77 1.1 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

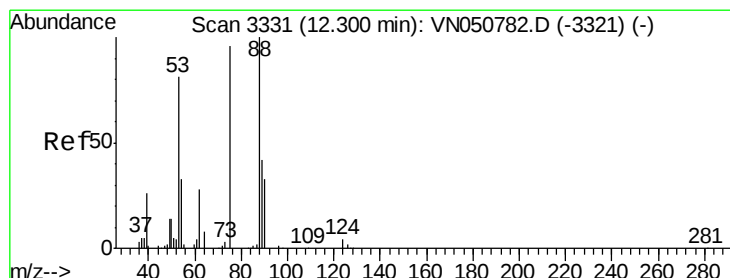
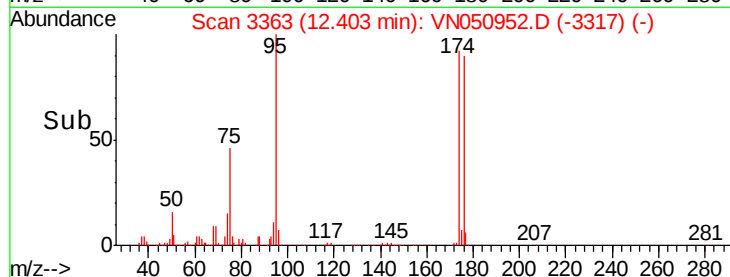
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 124.34 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

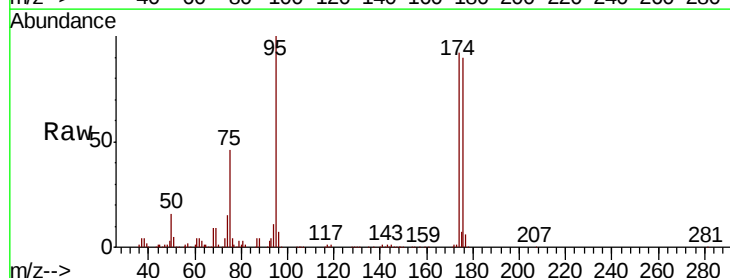
Tgt Ion: 75 Resp: 156451

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

89 0.0 36.1 54.1#



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

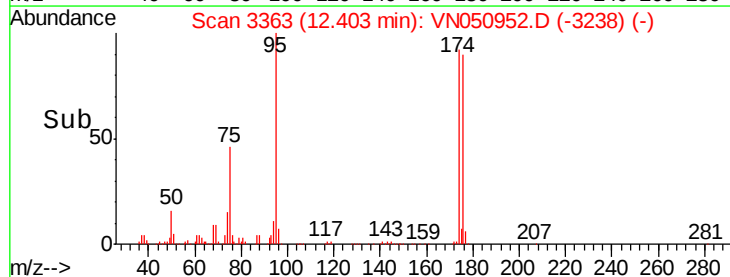
60000

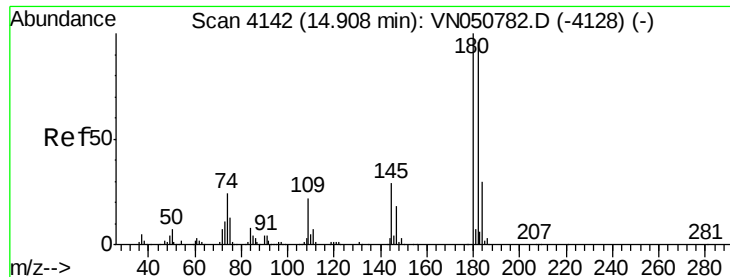
40000

20000

0

Time-->

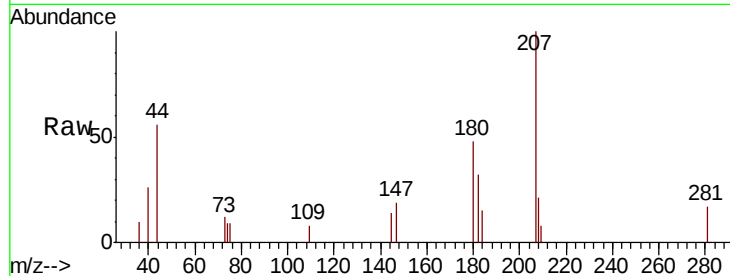




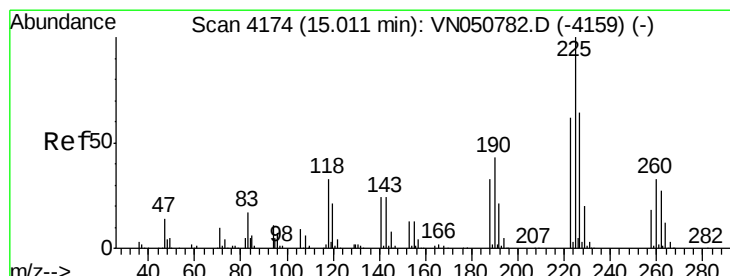
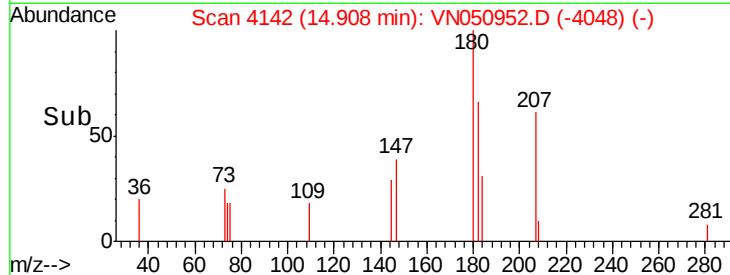
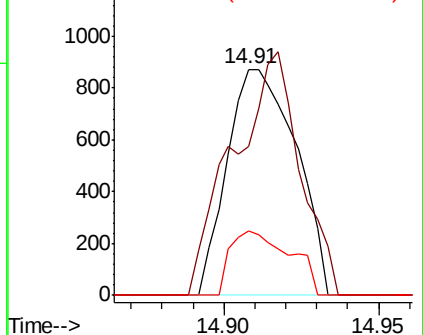
#93
 1,2,4-Trichlorobenzene
 Concen: 4.35 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050952.D
 Acq: 30 Aug 2018 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBL01

Tot Ion:180 Resp: 1355
 Ion Ratio Lower Upper
 180 100
 182 104.3 48.2 144.6
 145 24.9 14.1 42.2

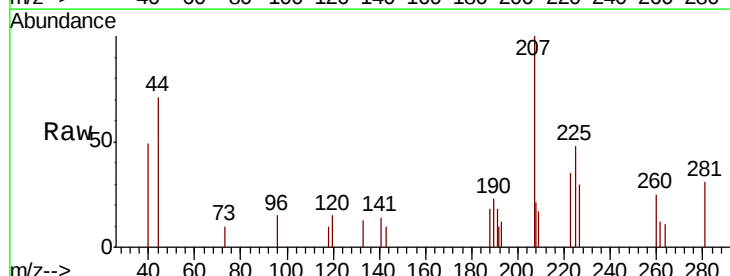


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

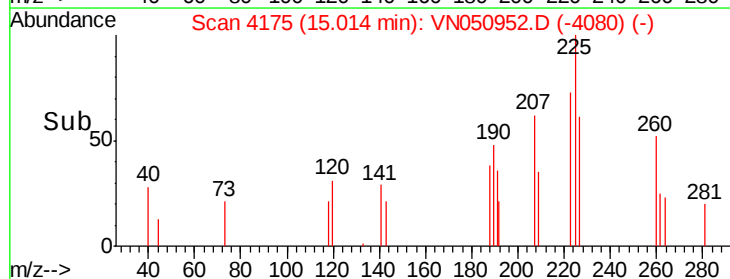
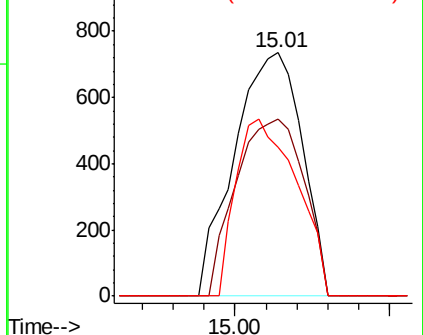


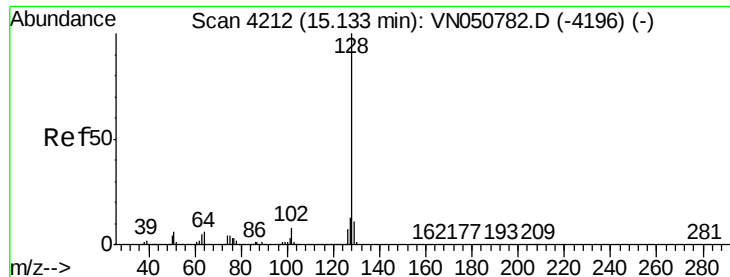
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050952.D
 Acq: 30 Aug 2018 10:54

Tgt Ion:225 Resp: 1118
 Ion Ratio Lower Upper
 225 100
 223 73.2 31.3 93.8
 227 65.3 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.74 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0830WBL01

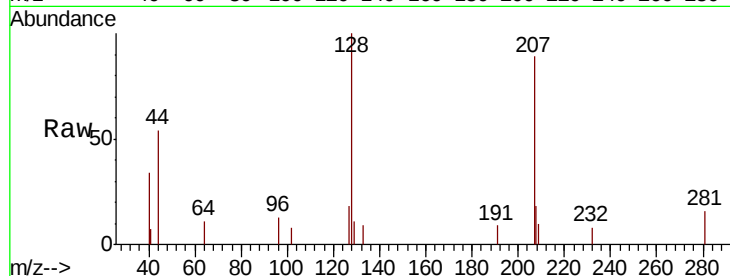
Tot Ion:128 Resp: 3705

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

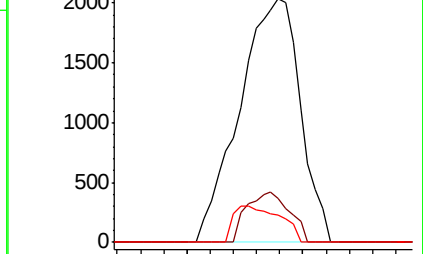
129 11.4 8.7 13.1



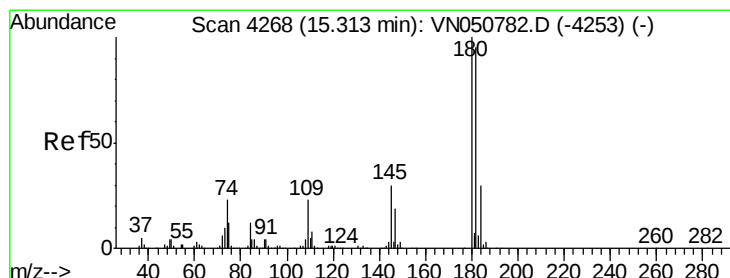
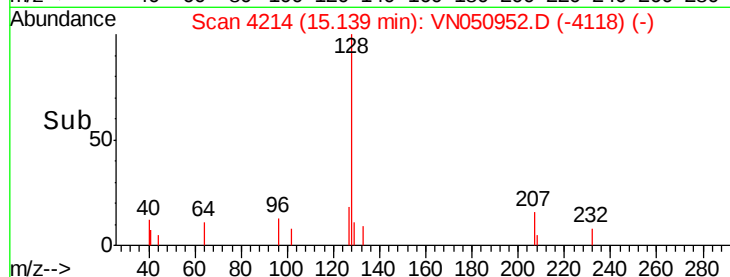
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.71 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050952.D

Acq: 30 Aug 2018 10:54

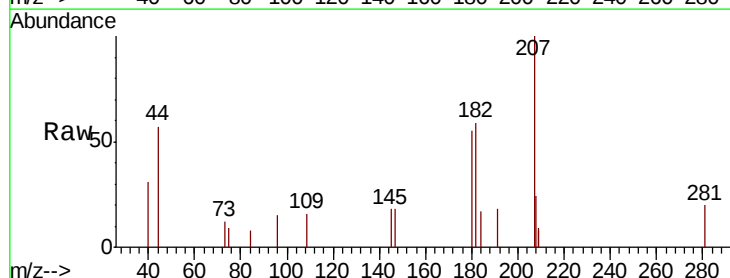
Tgt Ion:180 Resp: 1926

Ion Ratio Lower Upper

180 100

182 110.7 48.0 144.2

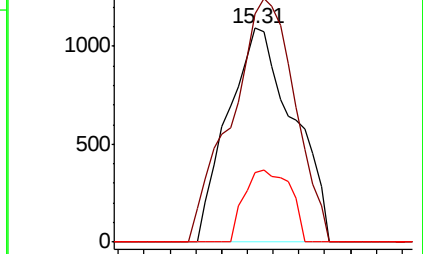
145 23.7 15.2 45.6



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



Time-->

