

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050953.D
 Acq On : 30 Aug 2018 11:18
 Operator : MD\SY
 Sample : VN0830MBL01
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830MBL01

Quant Time: Aug 31 01:33:20 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	584887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	918459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	778212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	381351	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	7.59	113	364682	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.09	98	1291988	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	326089	35.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.84%	

Target Compounds

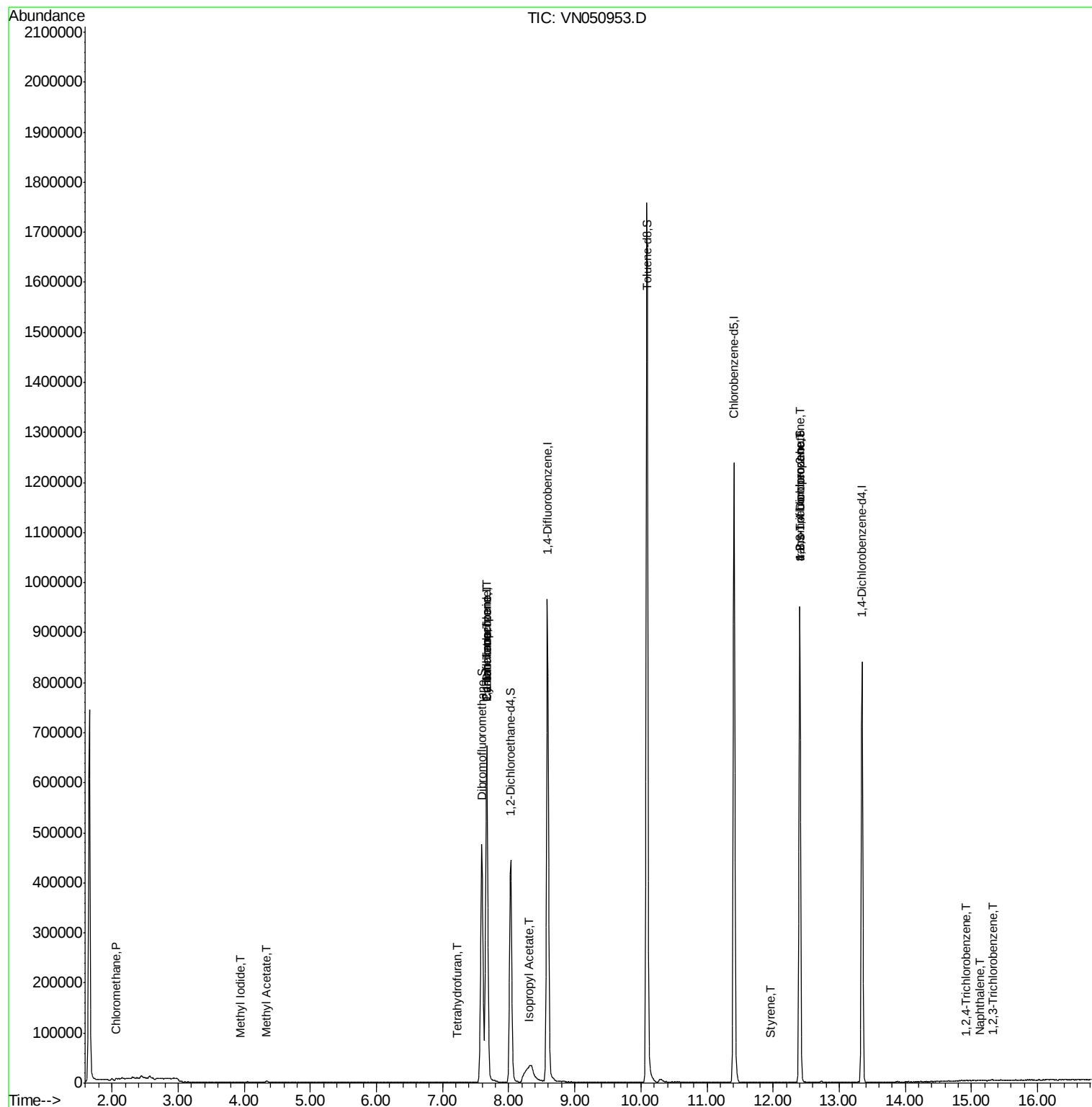
						Qvalue
3) Chloromethane	2.06	50	2244	0.23	ug/l	95
5) Bromomethane	2.57	94	2312	Below	Cal	81
10) Methyl Iodide	3.95	142	167	6.36	ug/l #	43
16) Acetone	3.83	43	1176	Below	Cal #	41
18) Methyl Acetate	4.34	43	4812	0.72	ug/l #	80
29) Tetrahydrofuran	7.21	42	612	0.38	ug/l #	33
31) Cyclohexane	7.67	56	10334	1.32	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39950	3.69	ug/l #	49
38) Carbon Tetrachloride	7.67	117	51703	4.72	ug/l #	17
43) Isopropyl Acetate	8.30	43	43073	4.02	ug/l #	58
70) Styrene	11.96	104	103	1.27	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	152173	35.54	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	152173	120.14	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	400	4.16	ug/l #	56
94) Hexachlorobutadiene	15.01	225	102	Below	Cal #	37
95) Naphthalene	15.13	128	1406	5.53	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.32	180	632	3.43	ug/l #	70

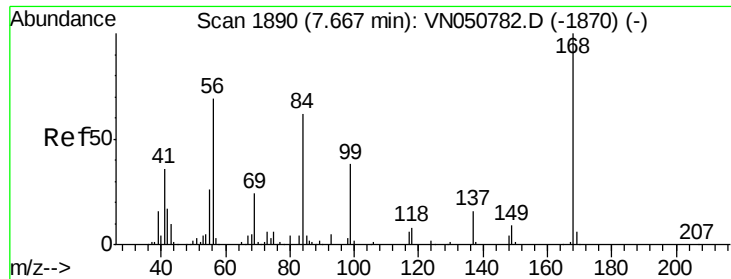
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083018\
Data File : VN050953.D
Acq On : 30 Aug 2018 11:18
Operator : MD\SY
Sample : VN0830MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0830MBL01

Quant Time: Aug 31 01:33:20 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# 1891

Delta R.T. 0.00 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

Instrument :

MSVOA_N

ClientSampled :

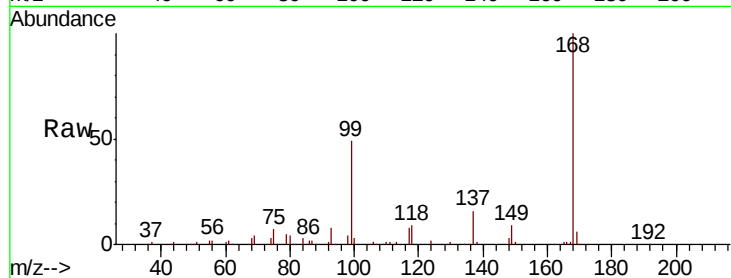
VN0830MBL01

Tot Ion:168 Resp: 584887

Ion Ratio Lower Upper

168 100

99 48.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

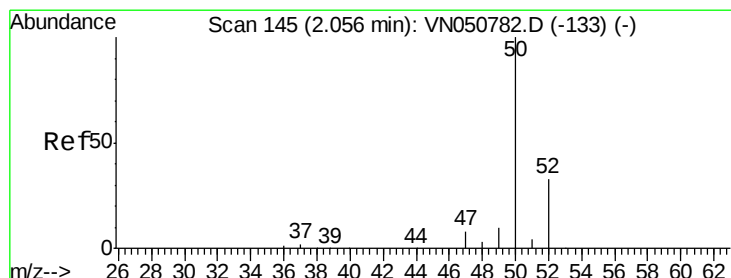
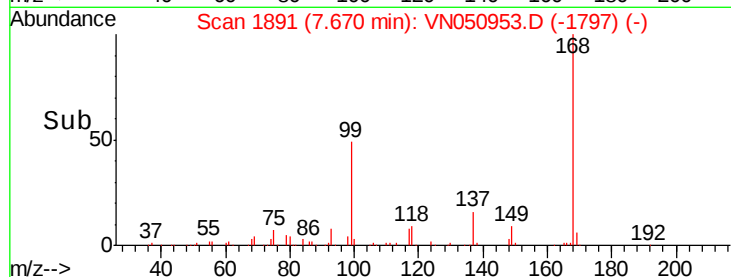
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050953.D

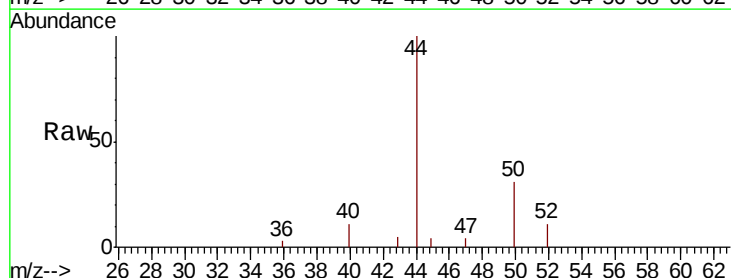
Acq: 30 Aug 2018 11:18

Tgt Ion: 50 Resp: 2244

Ion Ratio Lower Upper

50 100

52 35.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2000

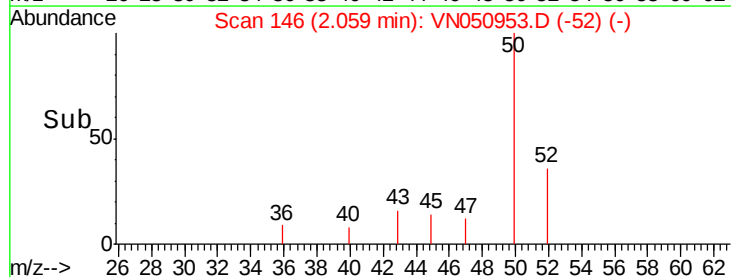
1500

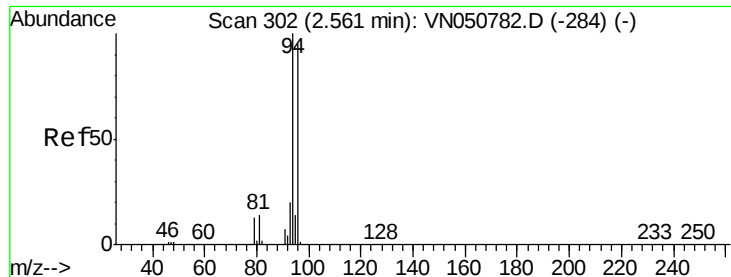
1000

500

0

Time--> 2.05 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

Instrument :

MSVOA_N

ClientSampled :

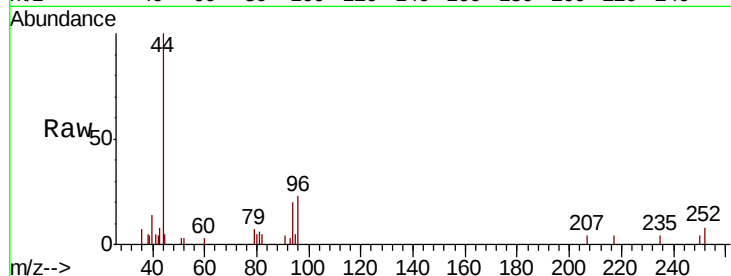
VN0830MBL01

Tot Ion: 94 Resp: 2312

Ion Ratio Lower Upper

94 100

96 113.6 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050953.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050953.D (-209) (-)

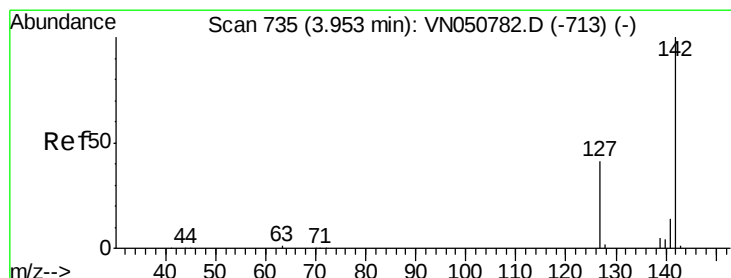
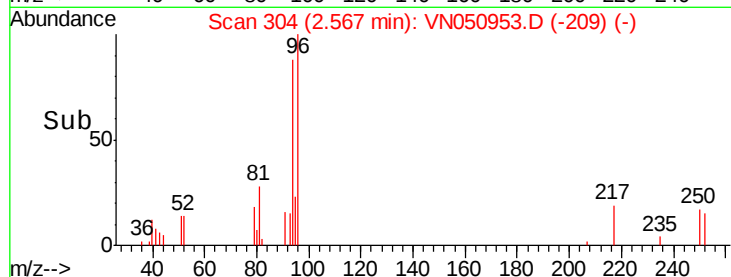
2.57

1000

500

0

Time--> 2.50 2.55 2.60



#10

Methyl Iodide

Concen: 6.36 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.01 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

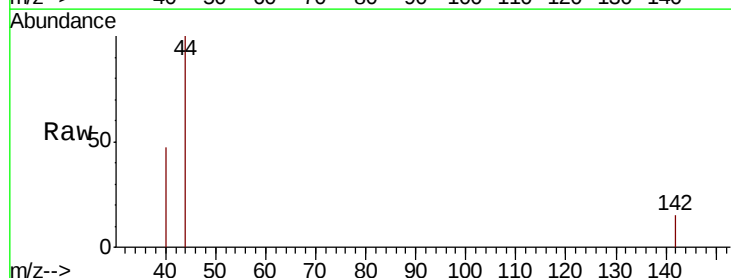
Tgt Ion: 142 Resp: 167

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): VN050953.D (-642) (-)

Ion 126.80 (126.50 to 127.50): VN050953.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050953.D (-642) (-)

300

250

200

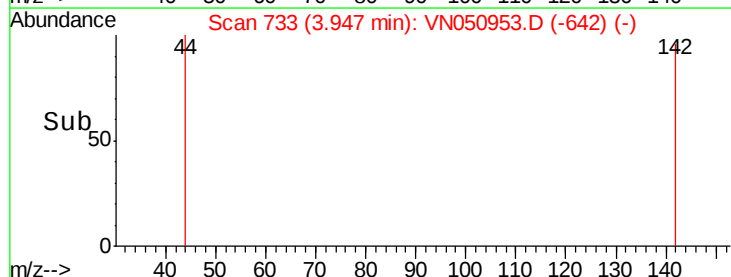
150

100

50

0

Time--> 3.93 3.94 3.95 3.96





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 698

Delta R.T. 0.02 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

Instrument :

MSVOA_N

ClientSampleId :

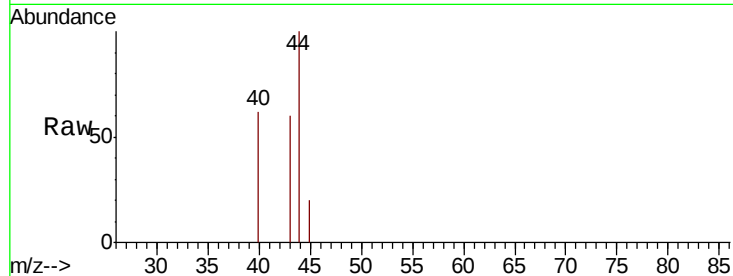
VN0830MBL01

Tot Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

58 0.0 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

600

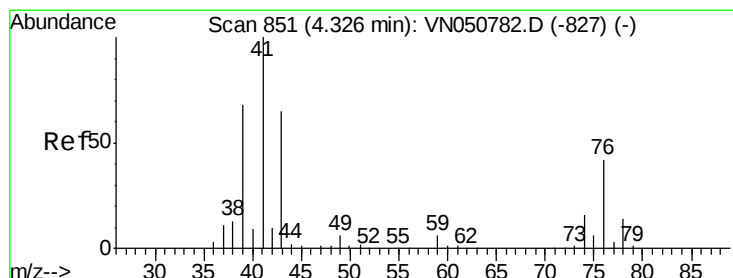
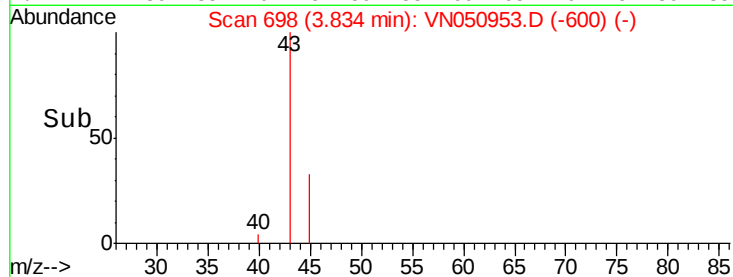
400

200

0

3.80 3.85

Time-->



#18

Methyl Acetate

Concen: 0.72 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050953.D

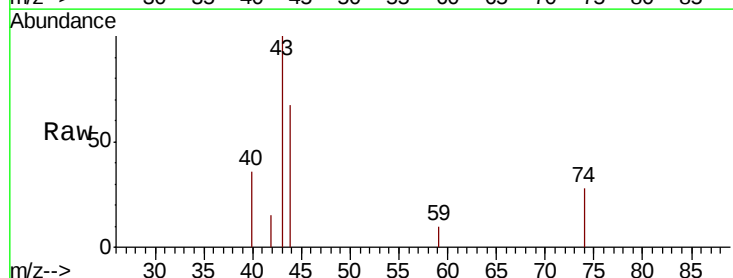
Acq: 30 Aug 2018 11:18

Tgt Ion: 43 Resp: 4812

Ion Ratio Lower Upper

43 100

74 14.6 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

1500

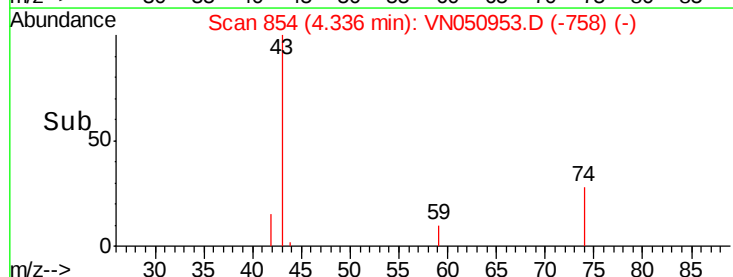
1000

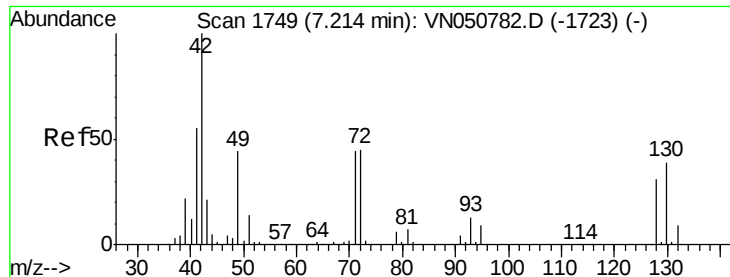
500

0

4.25 4.30 4.35 4.40 4.45

Time-->





#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0830MBL01

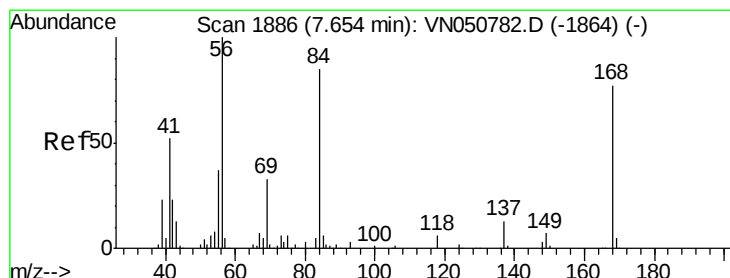
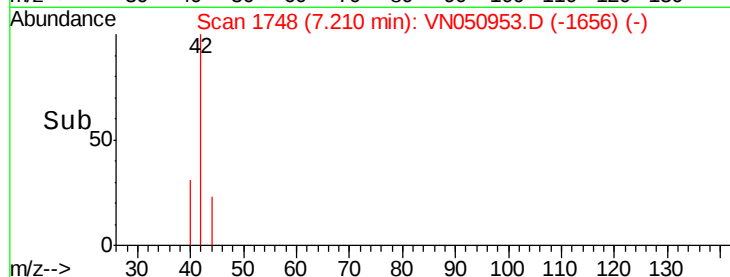
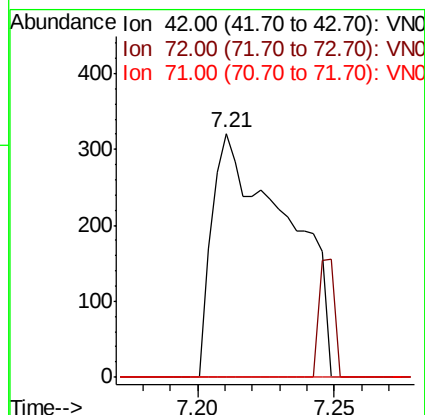
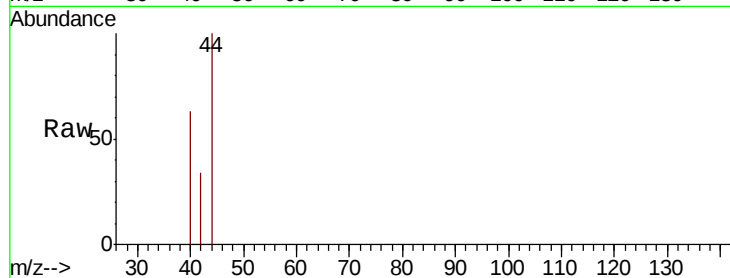
Tot Ion: 42 Resp: 612

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

71 0.0 33.7 50.5#



#31

Cyclohexane

Concen: 1.32 ug/l

RT: 7.67 min Scan# 1892

Delta R.T. 0.02 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

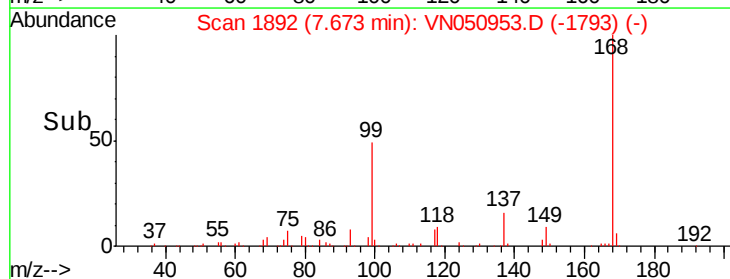
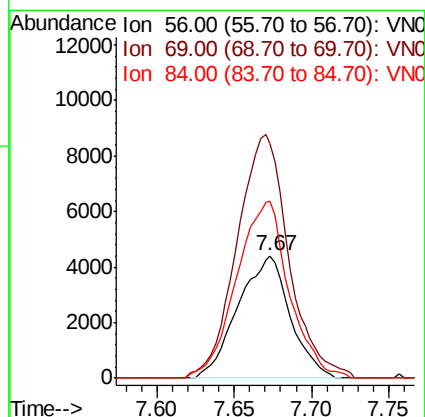
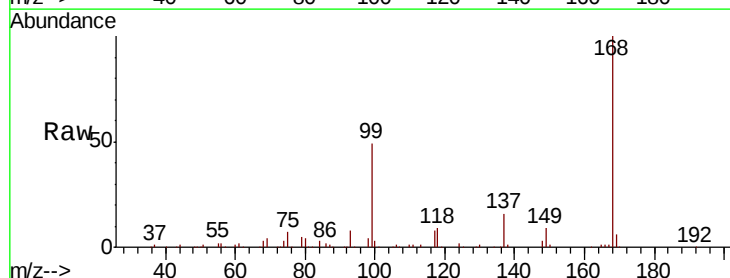
Tgt Ion: 56 Resp: 10334

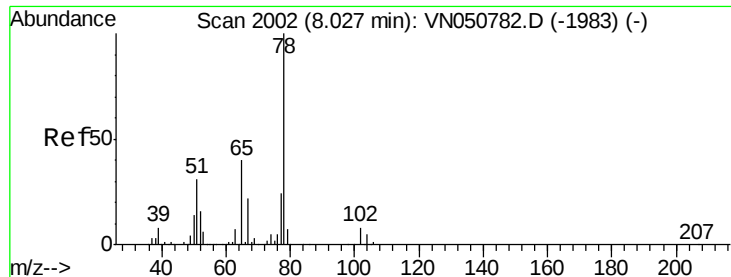
Ion Ratio Lower Upper

56 100

69 187.6 26.2 39.4#

84 141.4 68.3 102.5#

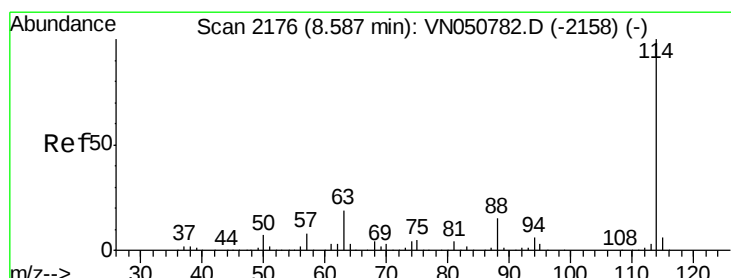
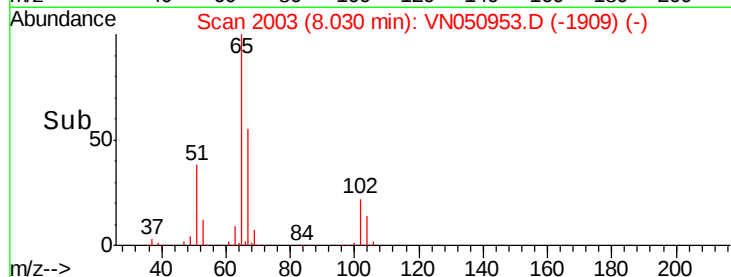
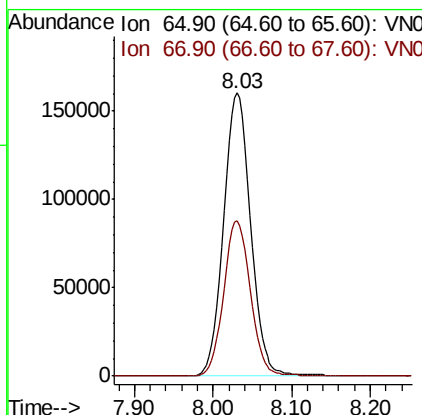
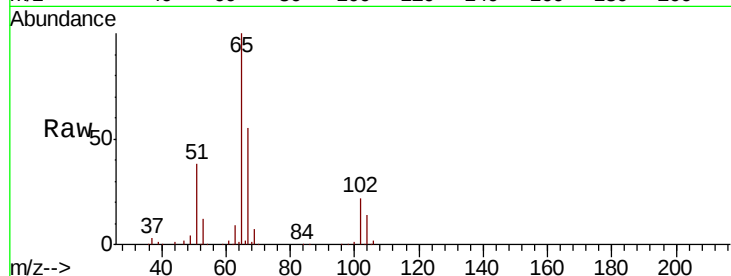




#33
 1,2-Dichloroethane-d4
 Concen: 54.16 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050953.D
 Acq: 30 Aug 2018 11:18

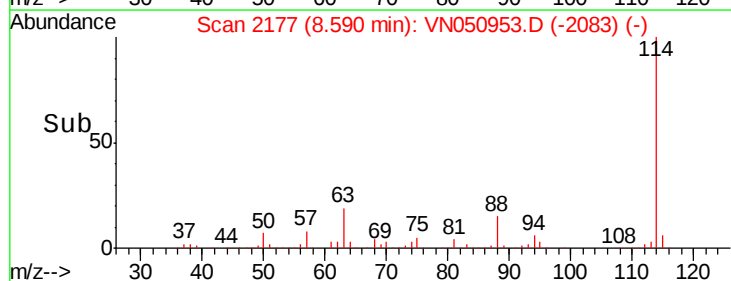
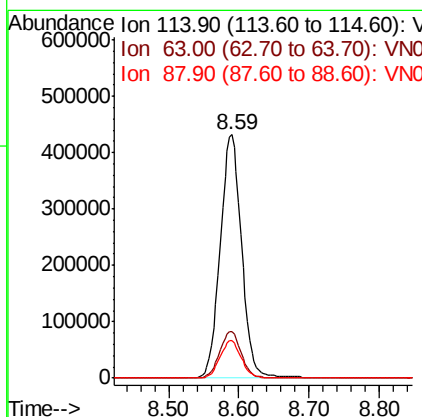
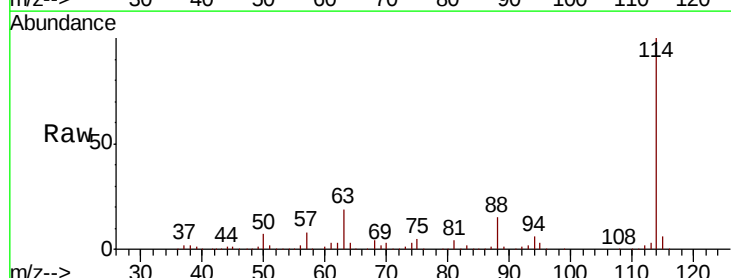
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830MBL01

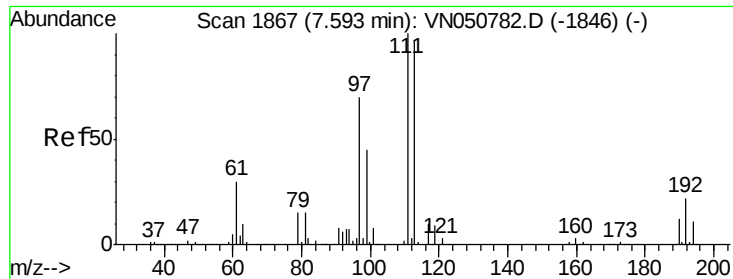
Tot Ion: 65 Resp: 381351
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050953.D
 Acq: 30 Aug 2018 11:18

Tgt Ion: 114 Resp: 918459
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.4 0.0 30.6

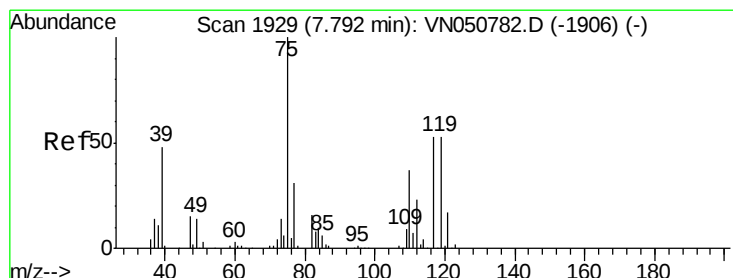
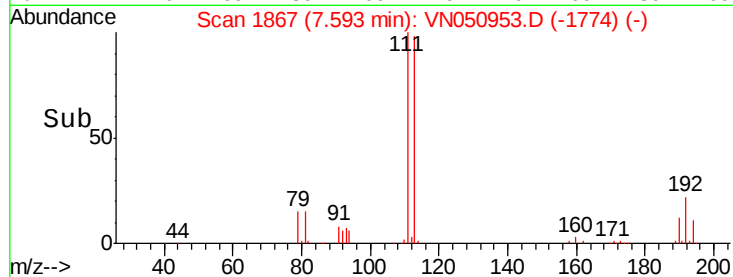
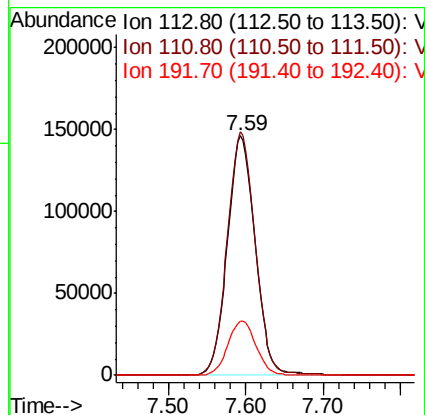
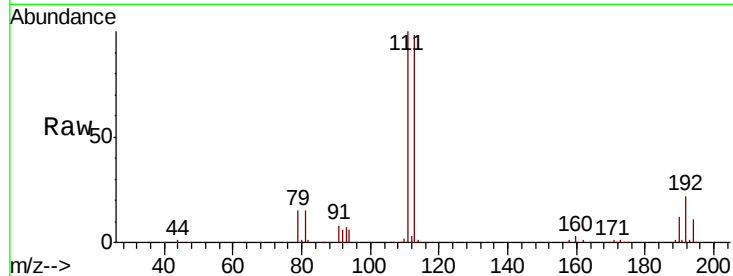




#35
Dibromofluoromethane
Concen: 49.91 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050953.D
Acq: 30 Aug 2018 11:18

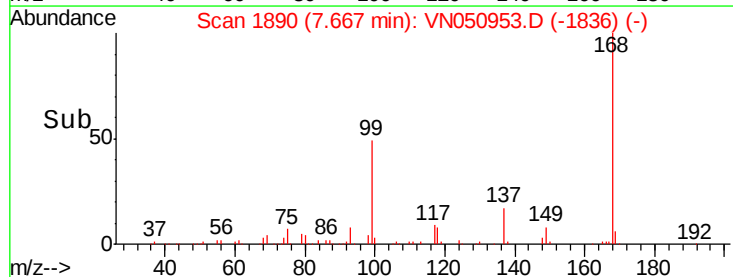
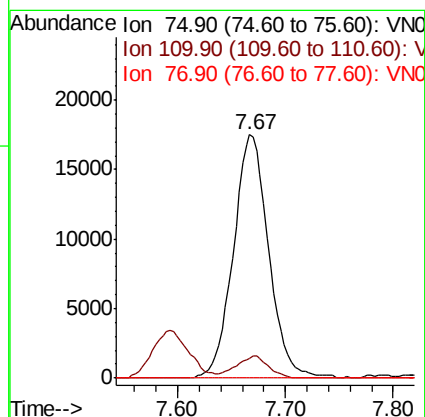
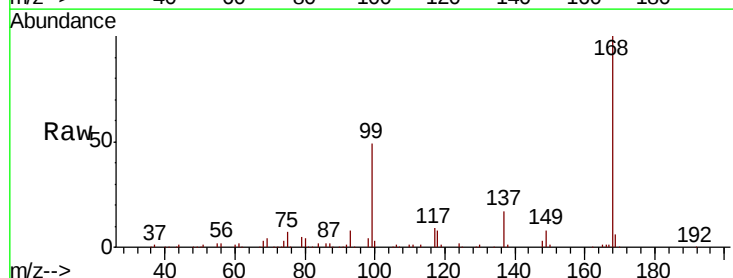
Instrument :
MSVOA_N
ClientSampleId :
VN0830MBL01

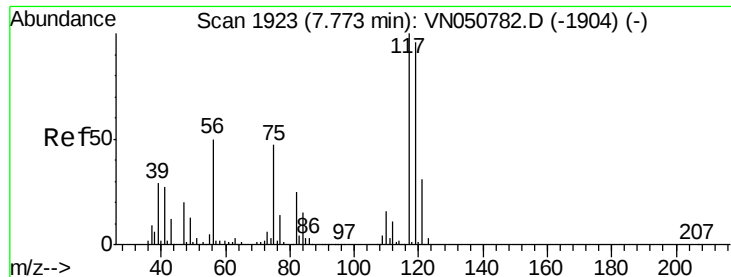
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	22.9	18.0	27.0



#36
1,1-Dichloropropene
Concen: 3.69 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN050953.D
Acq: 30 Aug 2018 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 4.72 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

Instrument :

MSVOA_N

ClientSampled :

VN0830MBL01

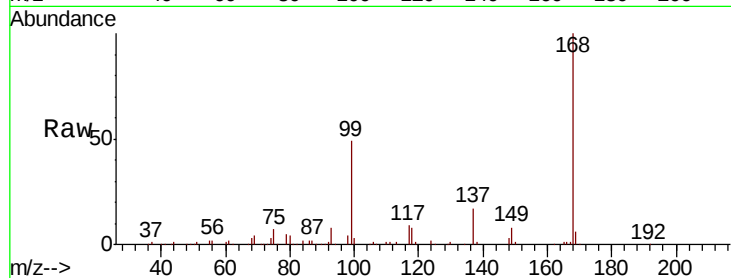
Tot Ion:117 Resp: 51703

Ion Ratio Lower Upper

117 100

119 6.7 76.3 114.5#

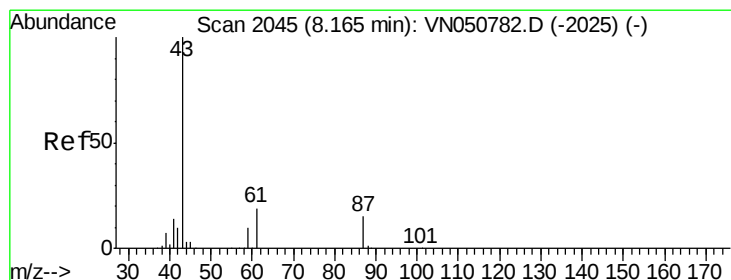
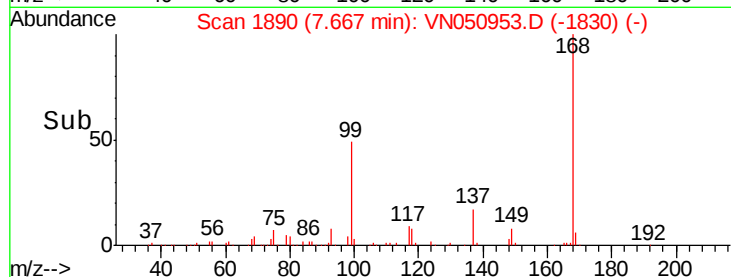
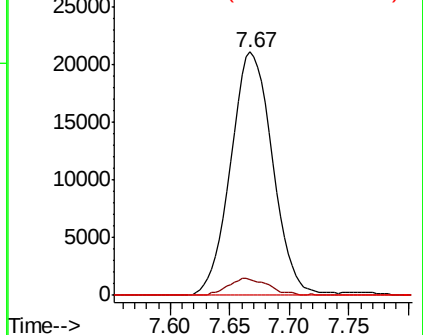
121 0.0 24.6 36.8#



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: 4.02 ug/l

RT: 8.30 min Scan# 2086

Delta R.T. 0.13 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

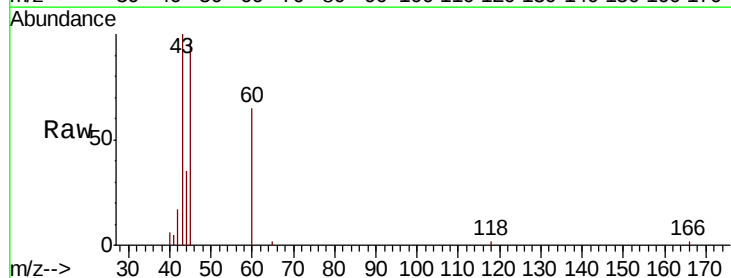
Tgt Ion: 43 Resp: 43073

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

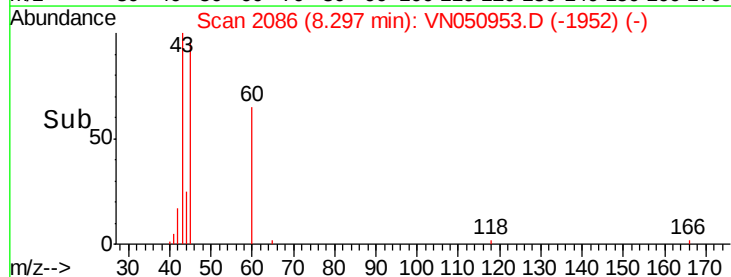
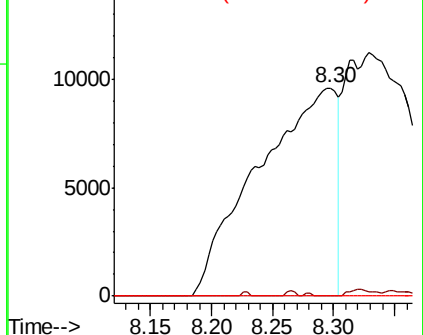
87 0.0 11.3 16.9#

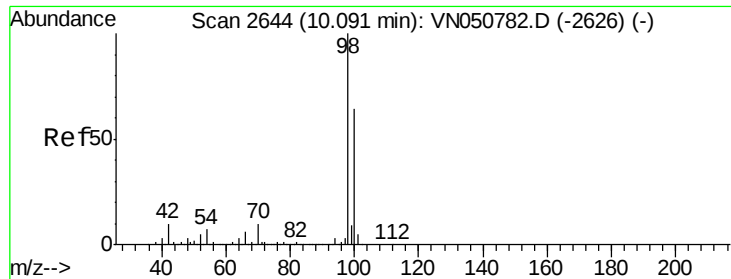


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 47.29 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

Instrument :

MSVOA_N

ClientSampleId :

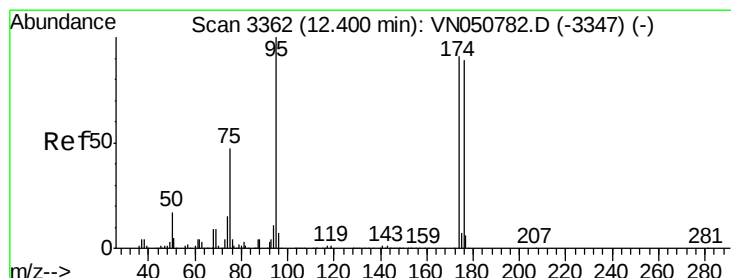
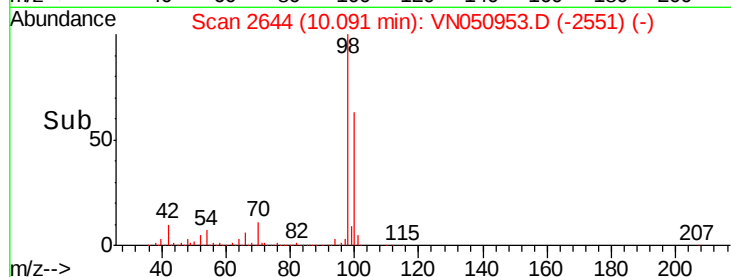
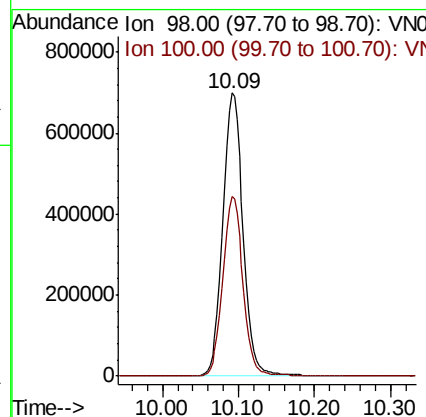
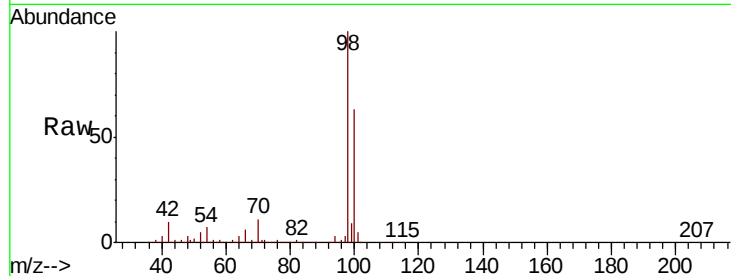
VN0830MBL01

Tot Ion: 98 Resp: 1291988

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 35.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

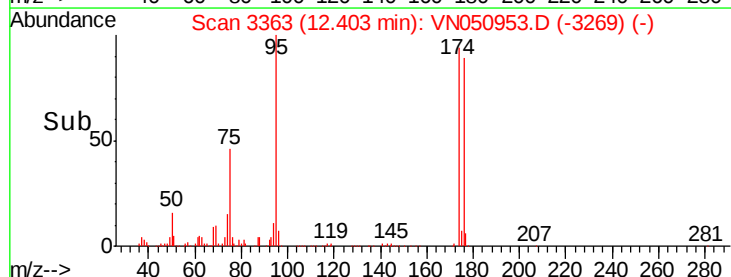
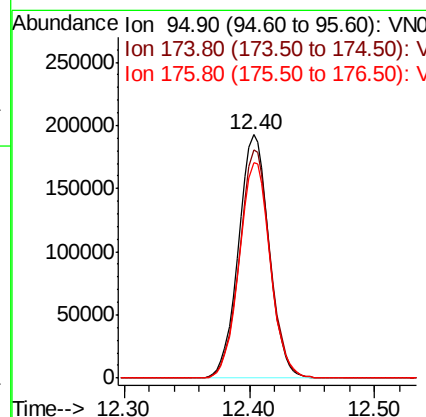
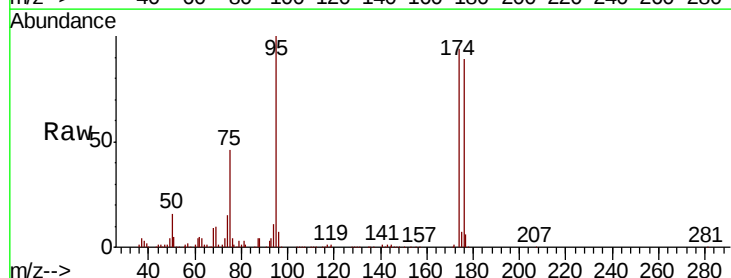
Tgt Ion: 95 Resp: 326089

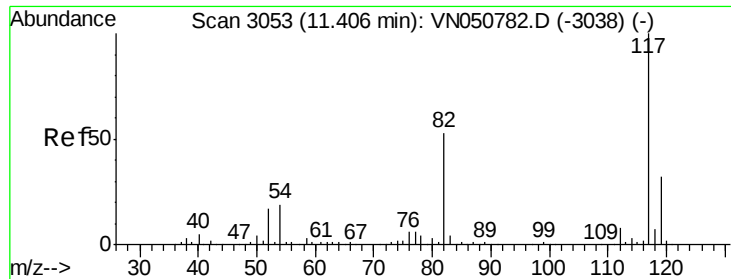
Ion Ratio Lower Upper

95 100

174 94.3 0.0 183.0

176 89.9 0.0 178.8

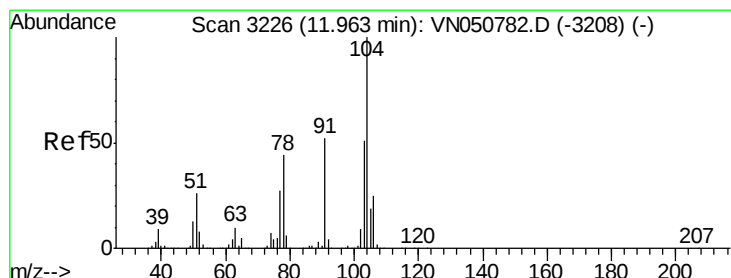
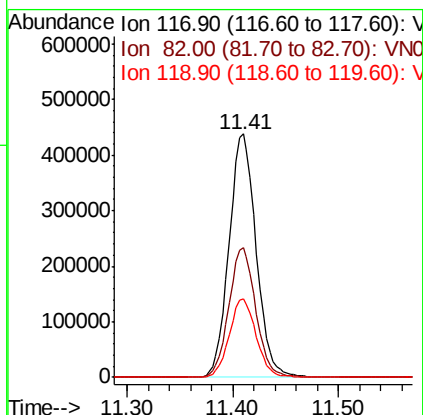
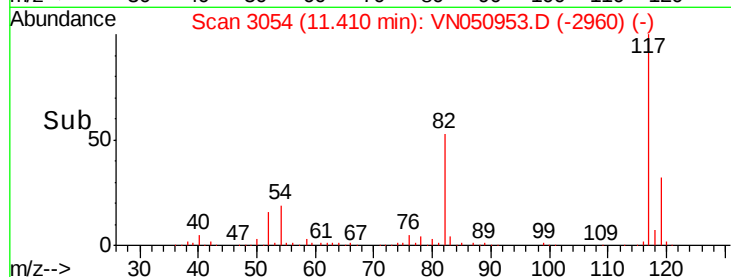
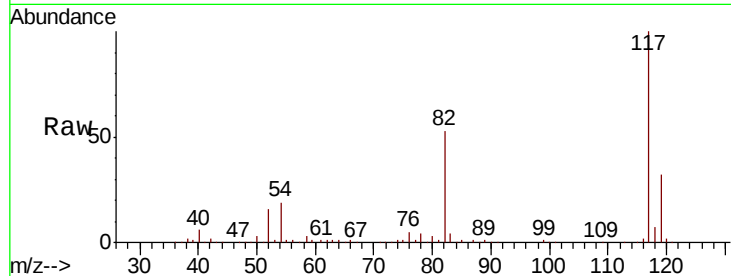




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050953.D
Acq: 30 Aug 2018 11:18

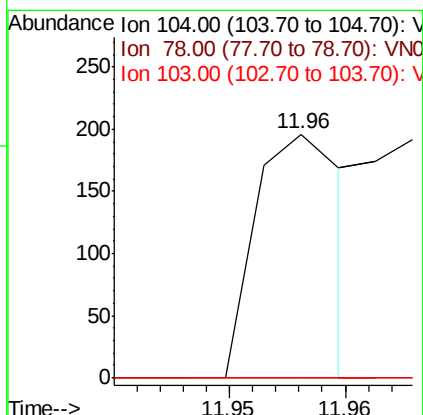
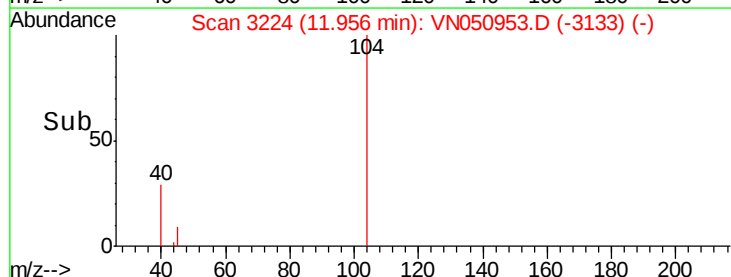
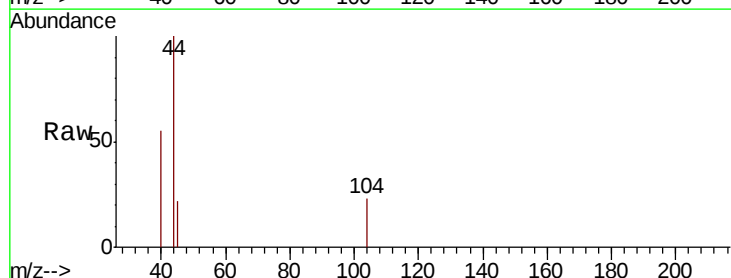
Instrument :
MSVOA_N
ClientSampleId :
VN0830MBL01

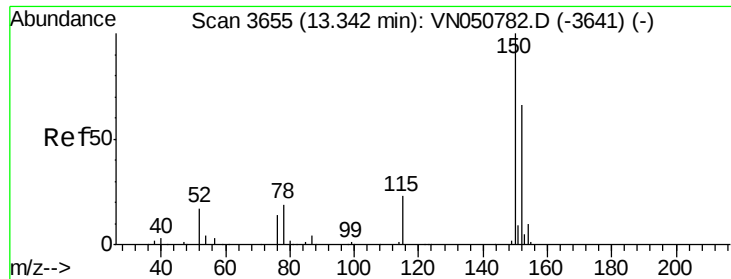
Tot Ion:117 Resp: 778212
Ion Ratio Lower Upper
117 100
82 53.4 42.6 64.0
119 32.2 25.8 38.6



#70
Styrene
Concen: 1.27 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VN050953.D
Acq: 30 Aug 2018 11:18

Tgt Ion:104 Resp: 103
Ion Ratio Lower Upper
104 100
78 0.0 38.2 57.4#
103 0.0 44.4 66.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0830MBL01

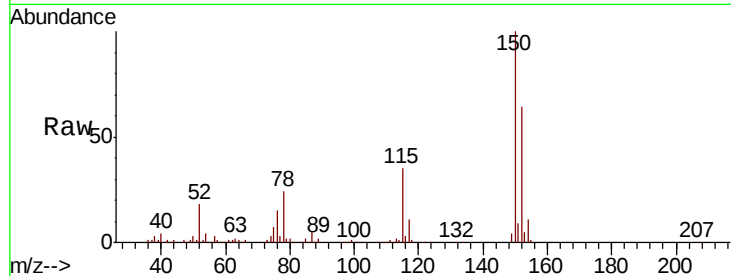
Tot Ion:152 Resp: 244472

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

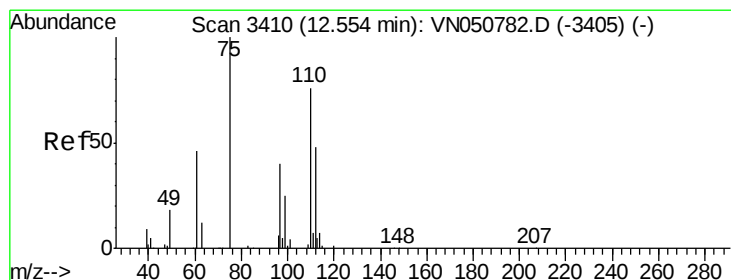
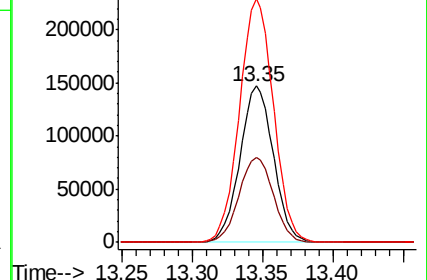
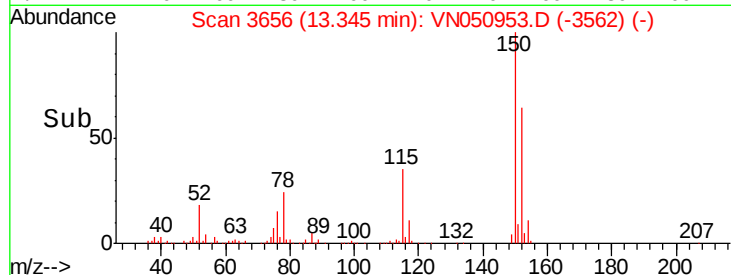
150 157.9 0.0 351.4



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



#76

1,2,3-Trichloropropane

Concen: 35.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050953.D

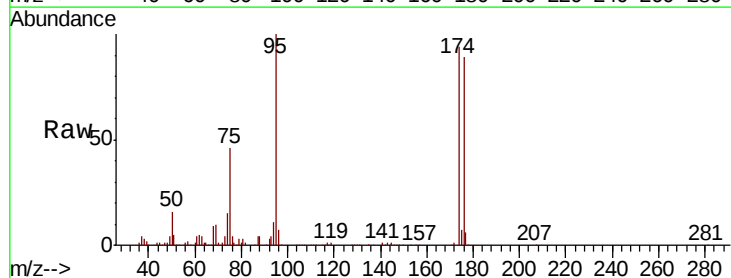
Acq: 30 Aug 2018 11:18

Tgt Ion: 75 Resp: 152173

Ion Ratio Lower Upper

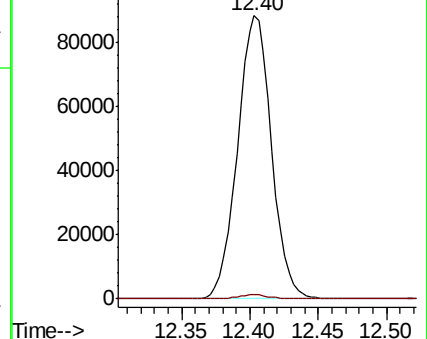
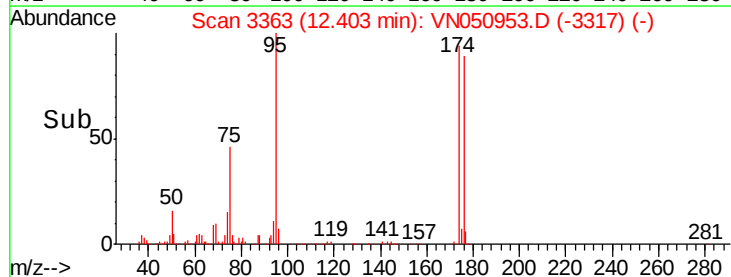
75 100

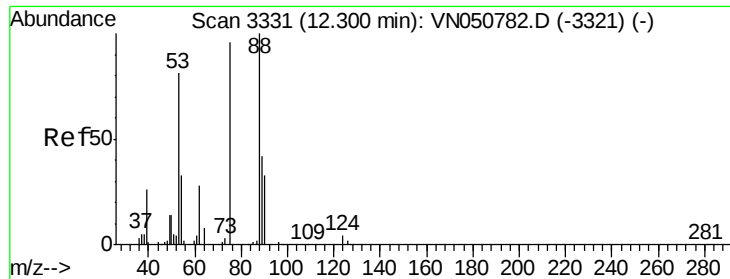
77 1.3 0.0 0.0#



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: 120.14 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0830MBL01

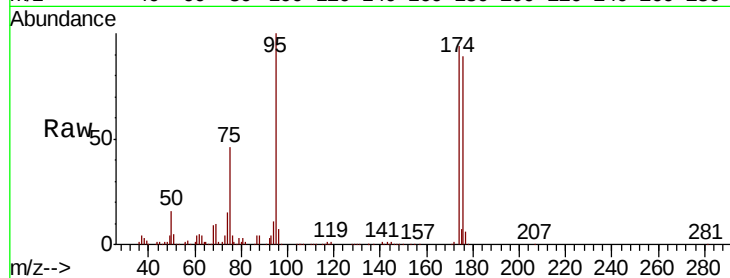
Tot Ion: 75 Resp: 152173

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

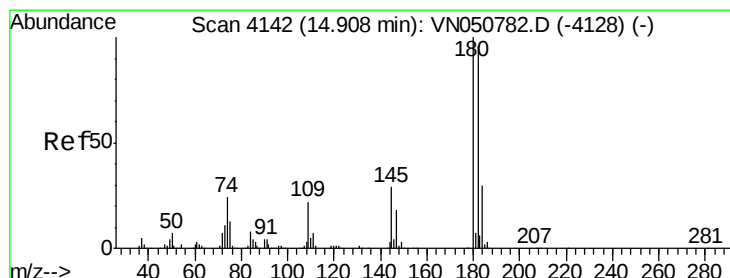
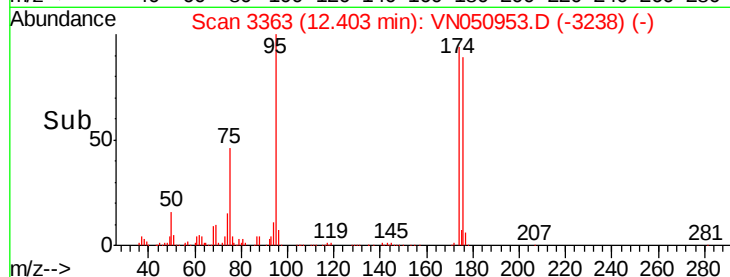
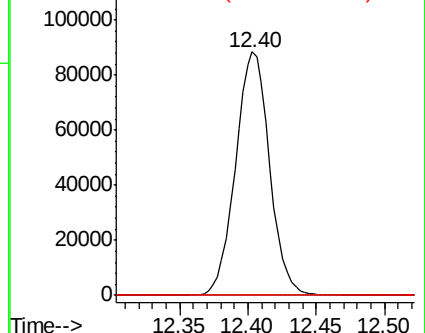
89 0.0 36.1 54.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 4.16 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.01 min

Lab File: VN050953.D

Acq: 30 Aug 2018 11:18

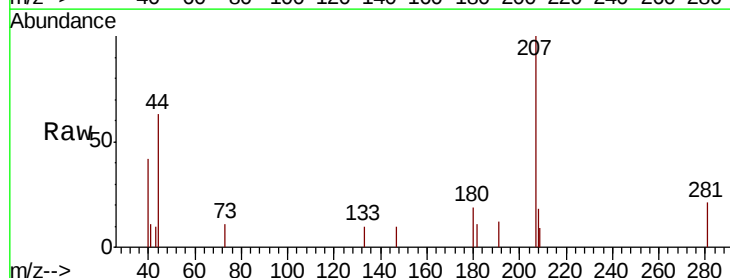
Tgt Ion: 180 Resp: 400

Ion Ratio Lower Upper

180 100

182 56.5 48.2 144.6

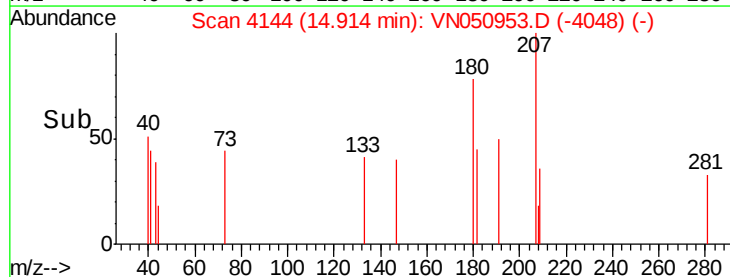
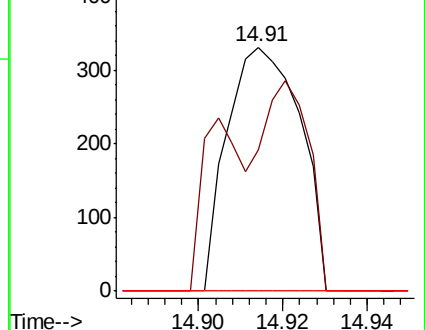
145 0.0 14.1 42.2#

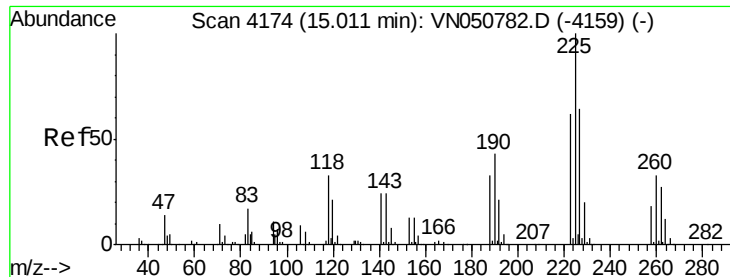


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

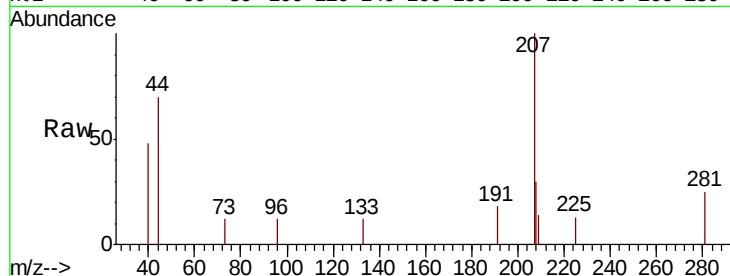




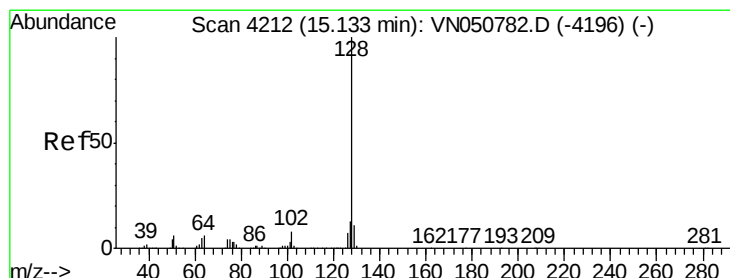
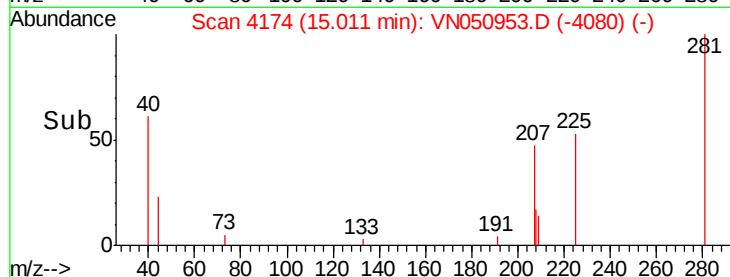
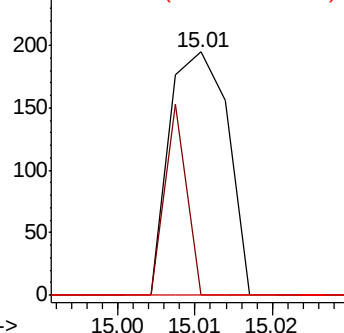
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4174
Delta R.T. 0.00 min
Lab File: VN050953.D
Acq: 30 Aug 2018 11:18

Instrument :
MSVOA_N
ClientSampled :
VN0830MBL01

Tot Ion:225 Resp: 102
Ion Ratio Lower Upper
225 100
223 29.4 31.3 93.8#
227 0.0 32.0 96.2#

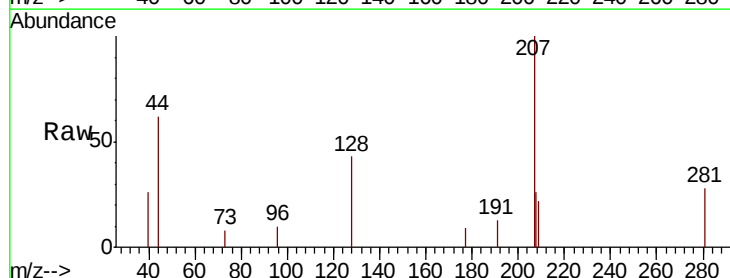


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

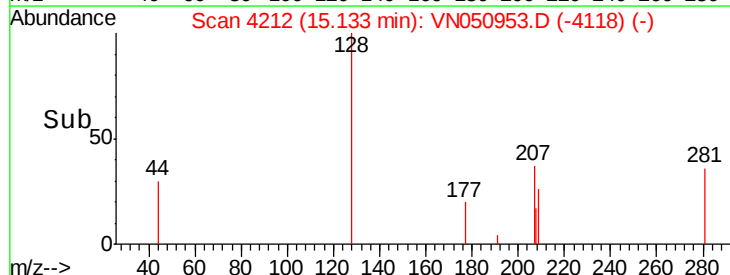
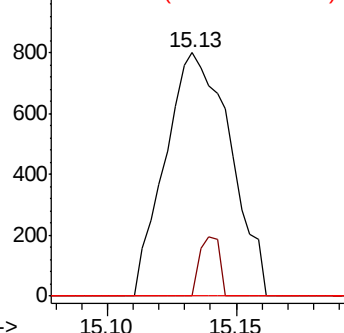


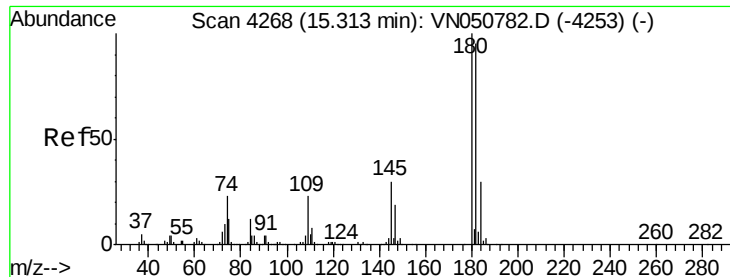
#95
Naphthalene
Concen: 5.53 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050953.D
Acq: 30 Aug 2018 11:18

Tgt Ion:128 Resp: 1406
Ion Ratio Lower Upper
128 100
127 7.3 10.5 15.7#
129 0.0 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: 3.43 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050953.D
 Acq: 30 Aug 2018 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	72.3	48.0	144.2
145	4.9	15.2	45.6

