

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083118\
 Data File : VN050979.D
 Acq On : 31 Aug 2018 11:19
 Operator : MD\SY
 Sample : VN0831MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBL01

Quant Time: Aug 31 14:15:35 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	565138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	884910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	733832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	197250	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	359269	52.81	ug/l	0.00
Spiked Amount						
			Recovery	=	105.62%	
35) Dibromofluoromethane	7.59	113	350519	49.79	ug/l	0.00
Spiked Amount						
			Recovery	=	99.58%	
50) Toluene-d8	10.09	98	1223747	46.49	ug/l	0.00
Spiked Amount						
			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.40	95	293174	33.52	ug/l	0.00
Spiked Amount						
			Recovery	=	67.04%	

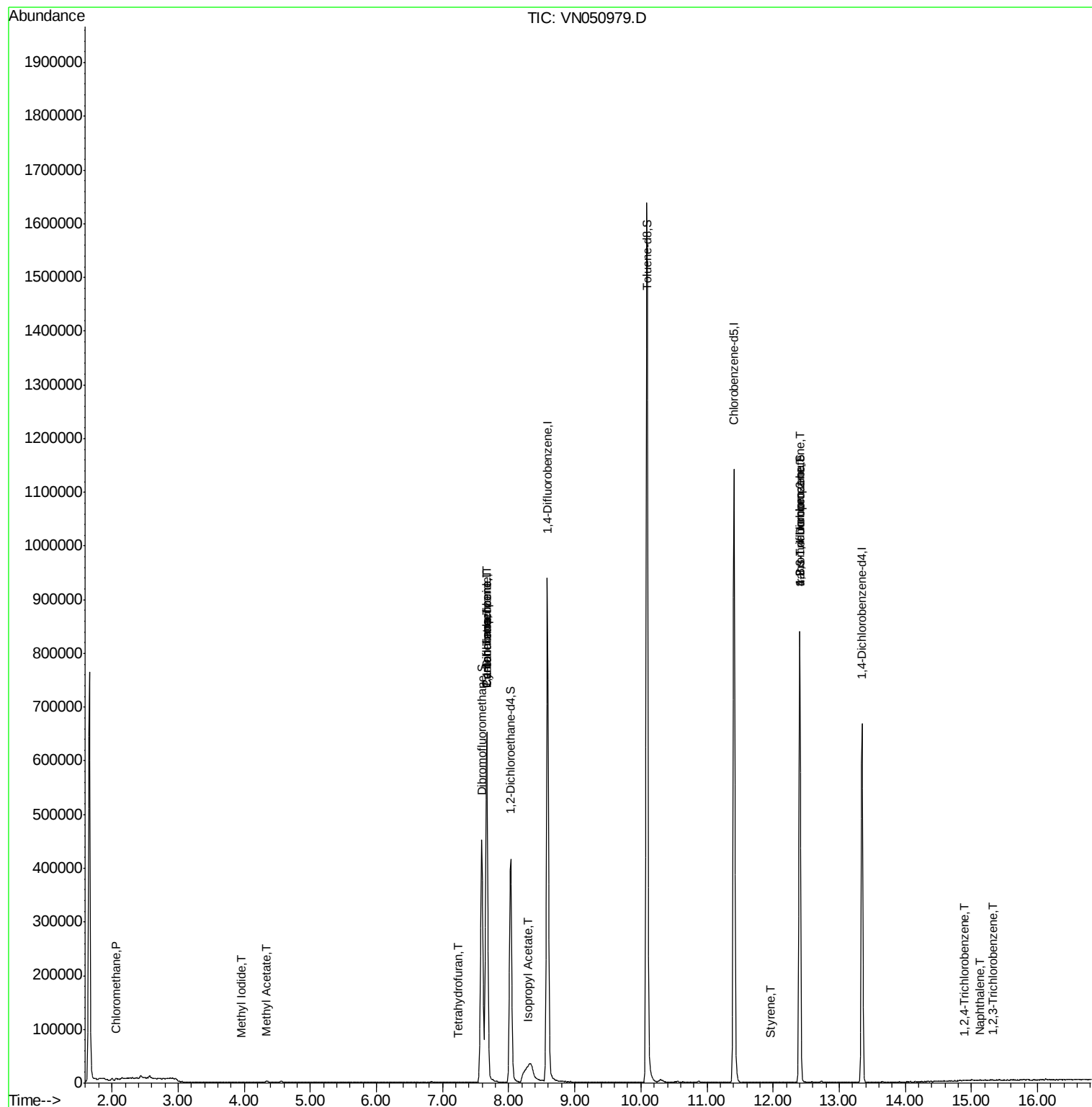
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1920	0.21	ug/l	99
5) Bromomethane	2.57	94	2277	Below	Cal	88
10) Methyl Iodide	3.96	142	648	6.43	ug/l #	43
16) Acetone	3.83	43	1149	Below	Cal #	41
18) Methyl Acetate	4.34	43	5139	0.80	ug/l #	75
29) Tetrahydrofuran	7.23	42	481	0.31	ug/l #	37
31) Cyclohexane	7.66	56	8834	1.22	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37676	3.61	ug/l #	49
38) Carbon Tetrachloride	7.67	117	48983	4.64	ug/l #	16
43) Isopropyl Acetate	8.28	43	43376	4.21	ug/l #	59
70) Styrene	11.97	104	155	1.28	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	12.40	83	259	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	135404	39.19	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	135404	132.49	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	603	4.23	ug/l #	63
94) Hexachlorobutadiene	15.01	225	229	Below	Cal	84
95) Naphthalene	15.13	128	1277	5.54	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.32	180	438	3.41	ug/l #	69

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

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Quant Time: Aug 31 14:15:35 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: VN050979.D

Acq: 31 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

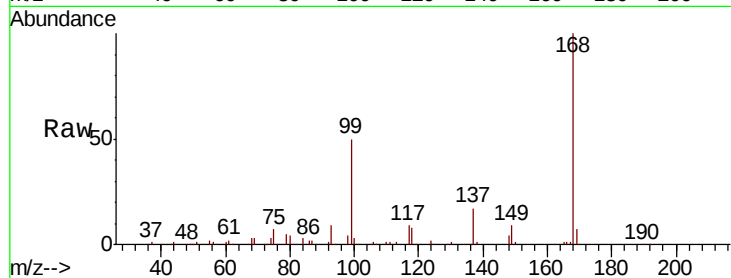
VN0831MBL01

Tot Ion:168 Resp: 565138

Ion Ratio Lower Upper

168 100

99 50.0 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

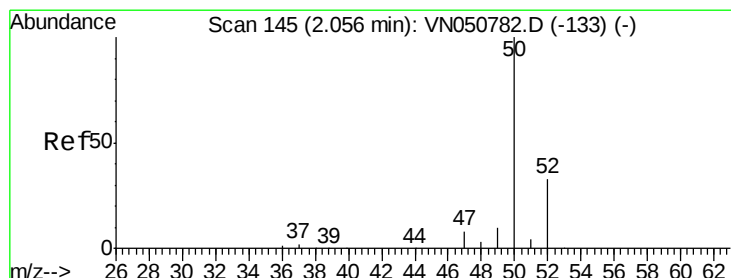
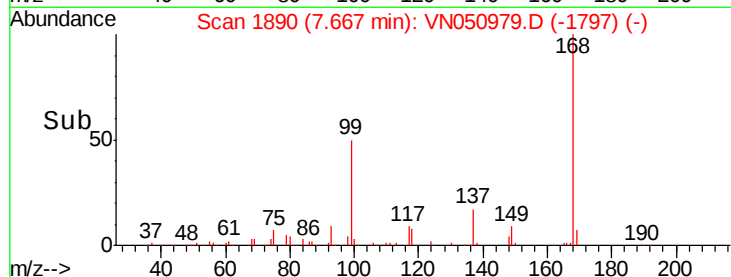
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050979.D

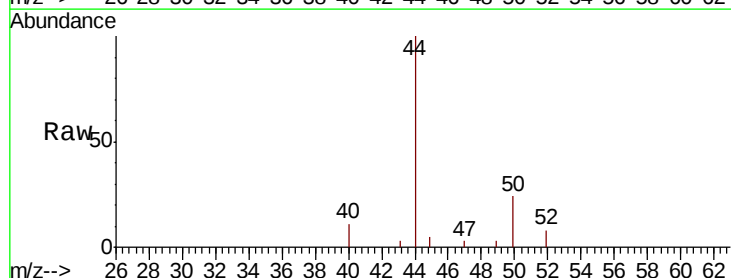
Acq: 31 Aug 2018 11:19

Tgt Ion: 50 Resp: 1920

Ion Ratio Lower Upper

50 100

52 32.5 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

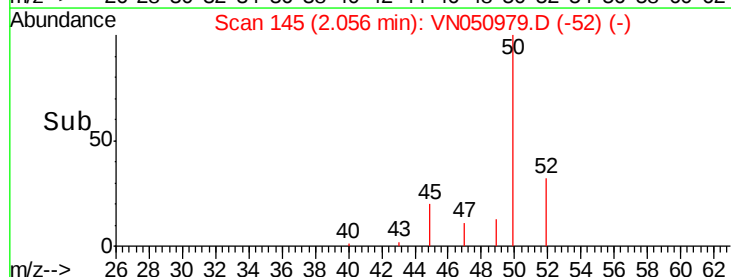
1000

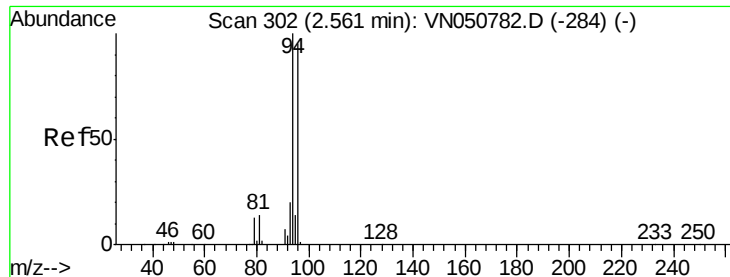
500

0

Time-->

2.02 2.04 2.06 2.08 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

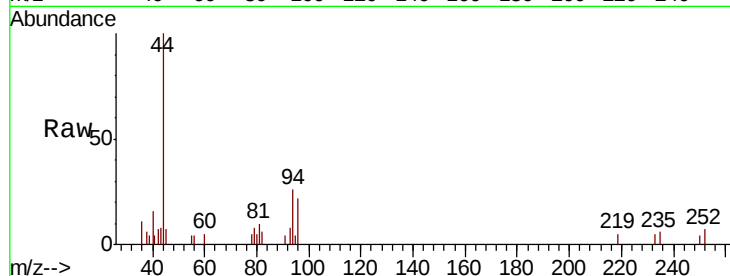
VN0831MBL01

Tot Ion: 94 Resp: 2277

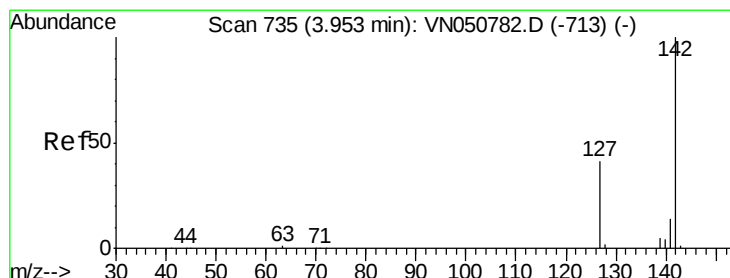
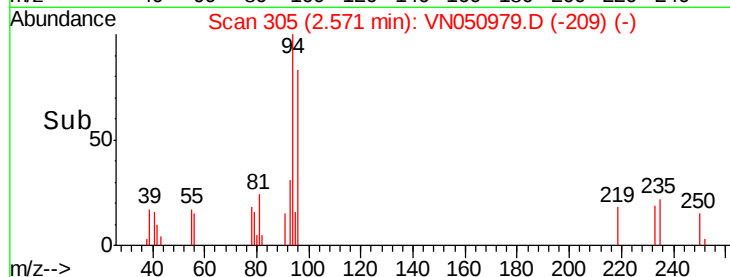
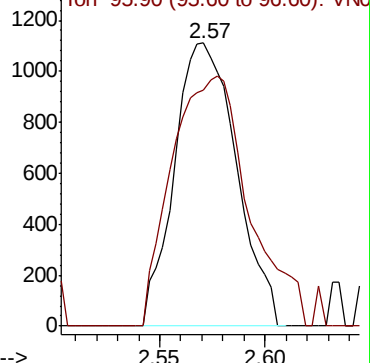
Ion Ratio Lower Upper

94 100

96 83.4 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050979.D (-284) (-)



#10

Methyl Iodide

Concen: 6.43 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

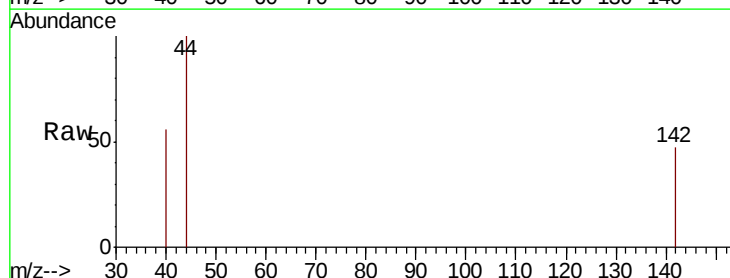
Tgt Ion: 142 Resp: 648

Ion Ratio Lower Upper

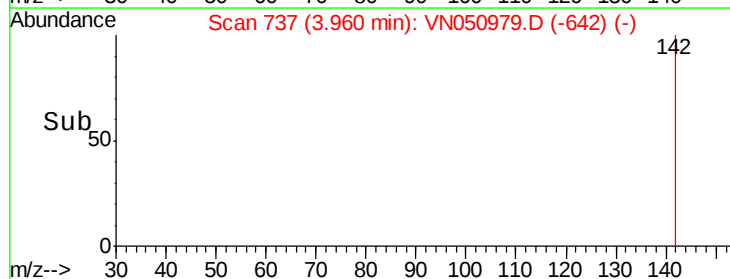
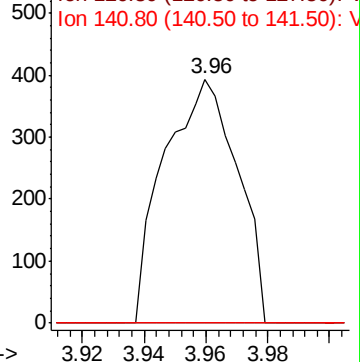
142 100

127 0.0 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050979.D (-713) (-)

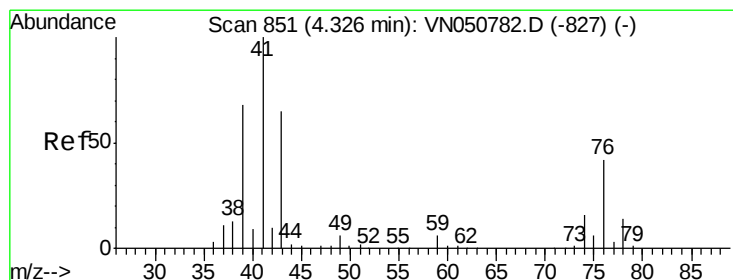
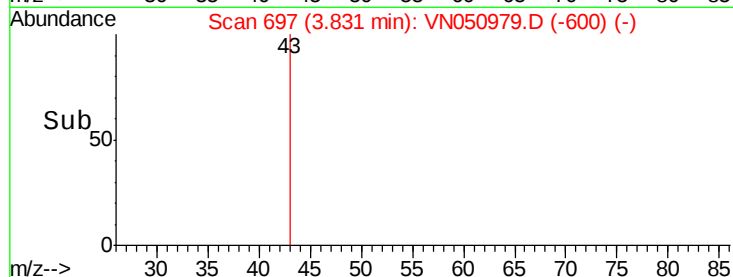
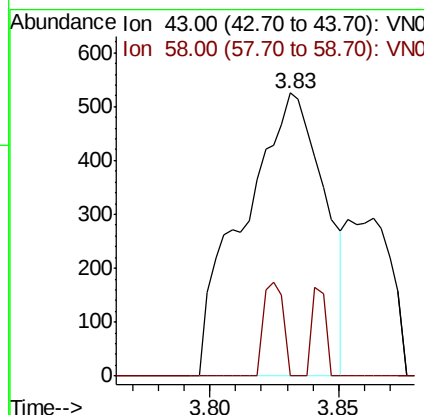
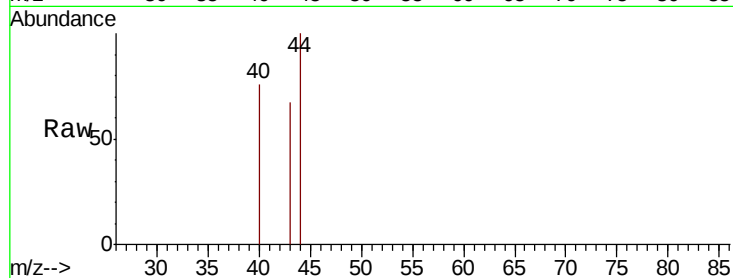




#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN050979.D
Acq: 31 Aug 2018 11:19

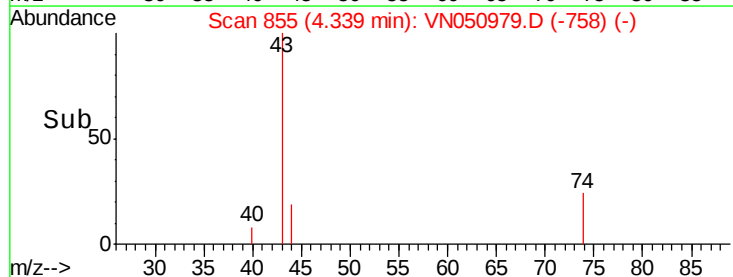
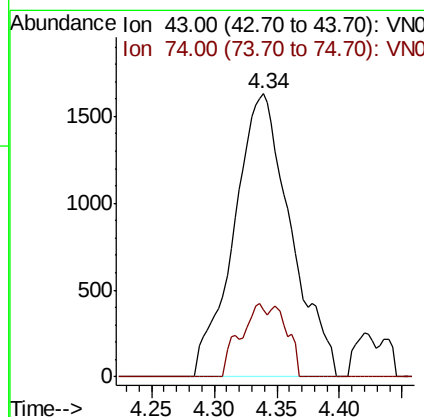
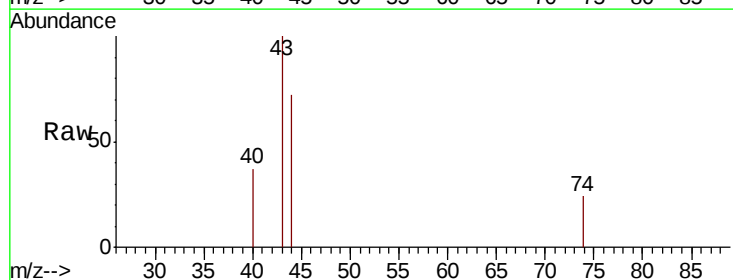
Instrument :
MSVOA_N
ClientSampleId :
VN0831MBL01

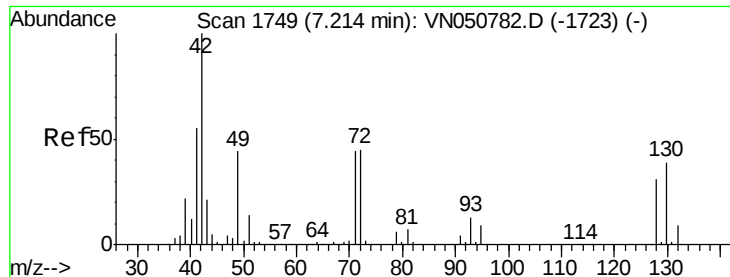
Tot Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#18
Methyl Acetate
Concen: 0.80 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050979.D
Acq: 31 Aug 2018 11:19

Tgt Ion: 43 Resp: 5139
Ion Ratio Lower Upper
43 100
74 12.3 19.8 29.8#





#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.02 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0831MBL01

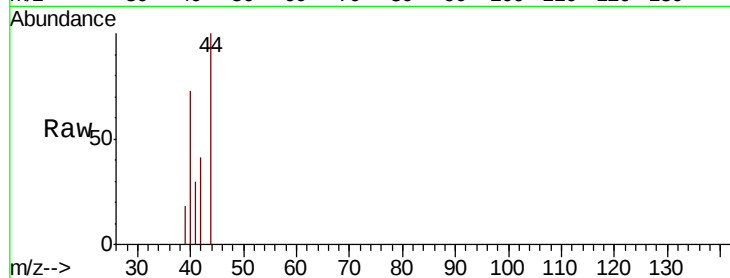
Tot Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

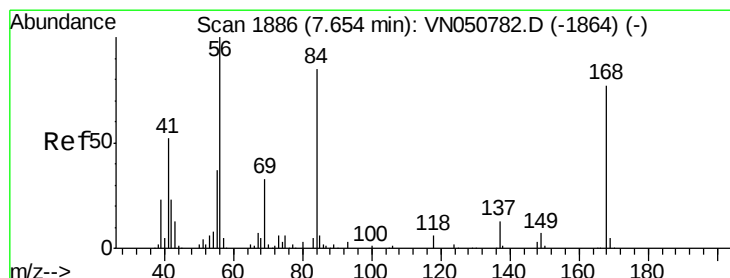
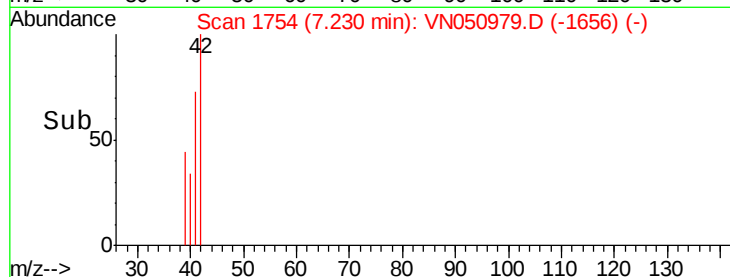
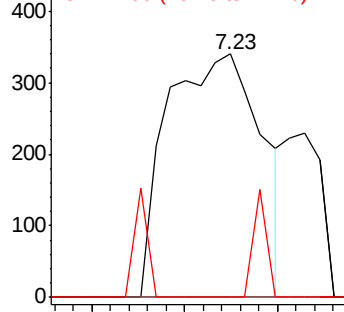
71 6.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.22 ug/l

RT: 7.66 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

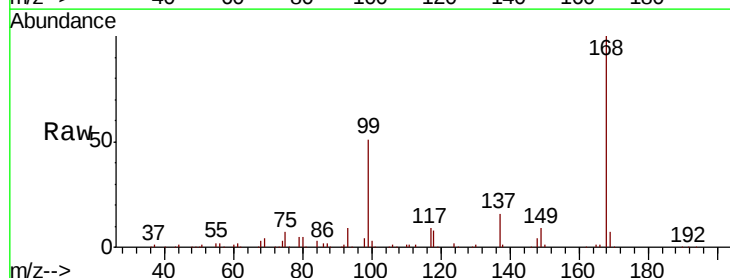
Tgt Ion: 56 Resp: 8834

Ion Ratio Lower Upper

56 100

69 227.3 26.2 39.4#

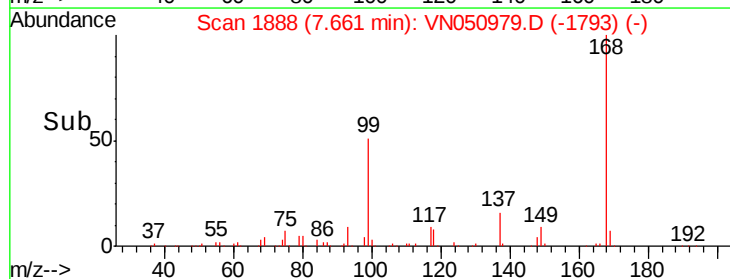
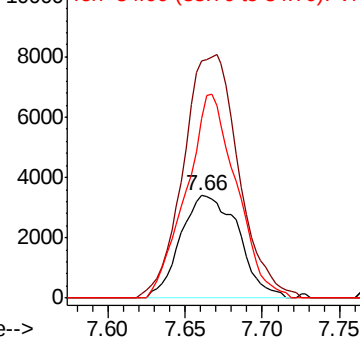
84 175.2 68.3 102.5#

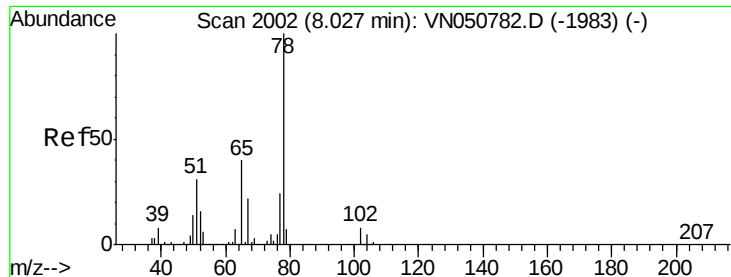


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

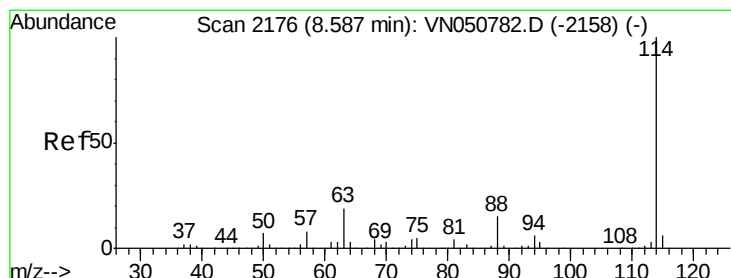
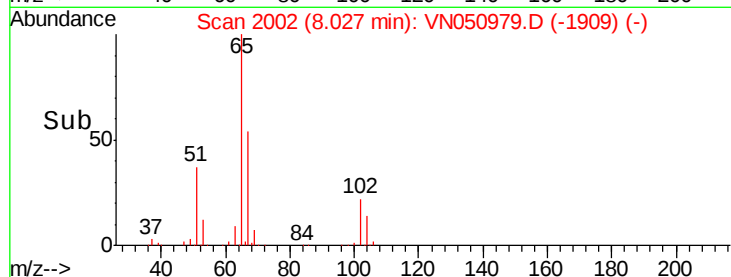
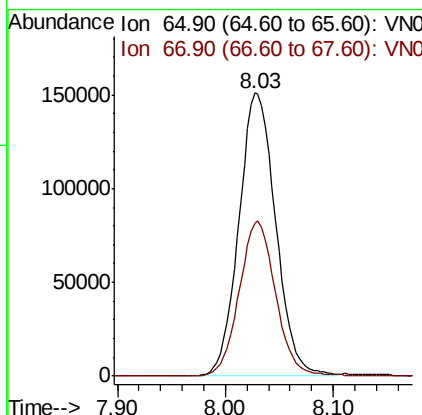
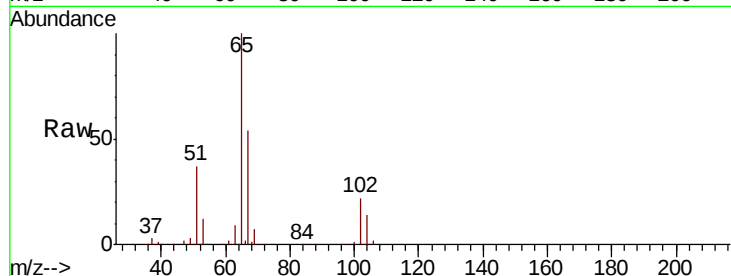




#33
 1,2-Dichloroethane-d4
 Concen: 52.81 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050979.D
 Acq: 31 Aug 2018 11:19

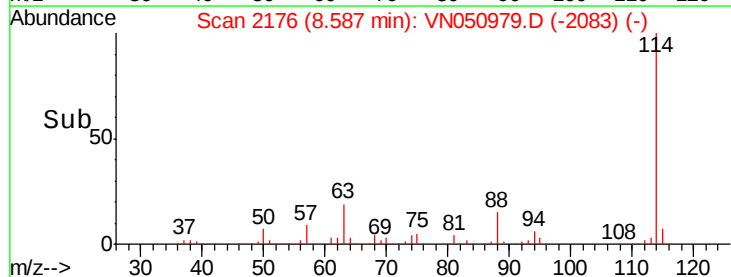
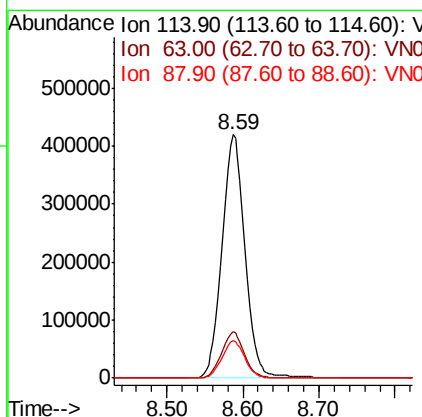
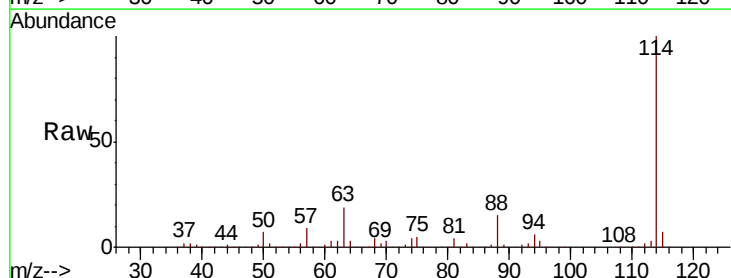
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBL01

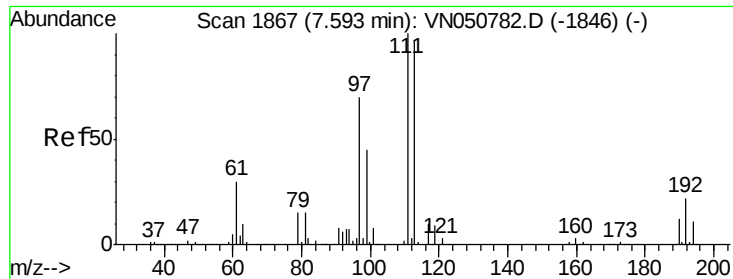
Tot Ion: 65 Resp: 359269
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050979.D
 Acq: 31 Aug 2018 11:19

Tgt Ion: 114 Resp: 884910
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.3 0.0 30.6

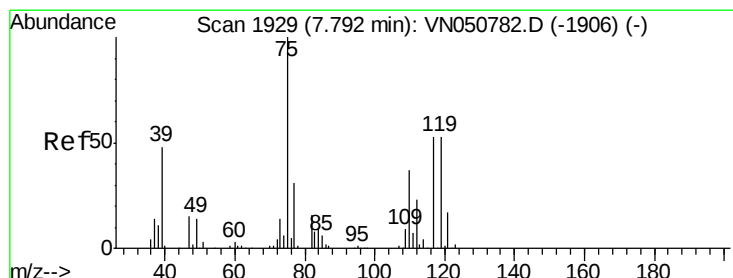
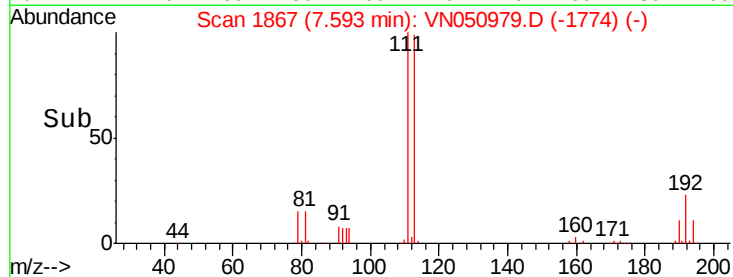
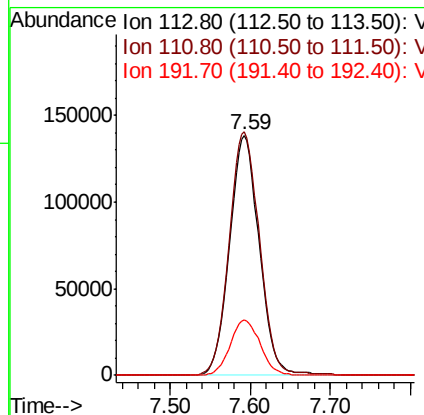
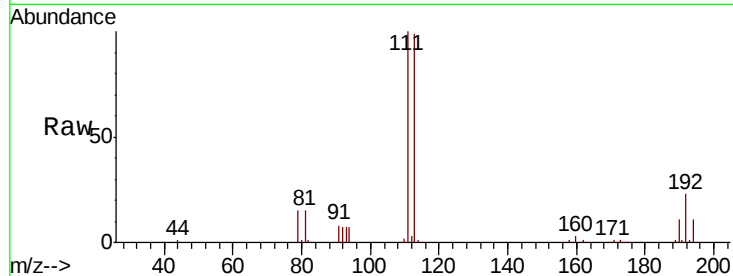




#35
 Dibromofluoromethane
 Concen: 49.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050979.D
 Acq: 31 Aug 2018 11:19

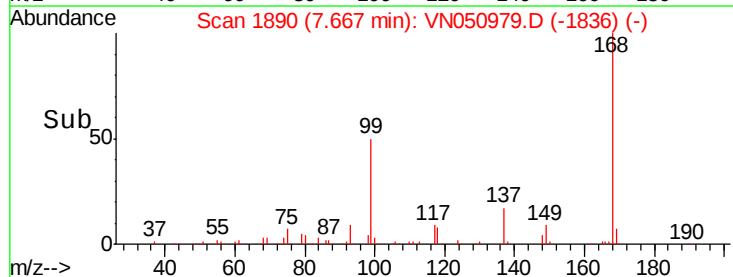
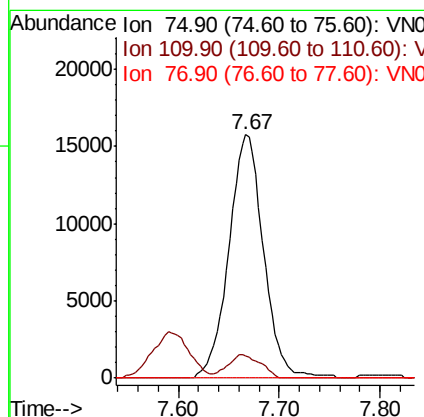
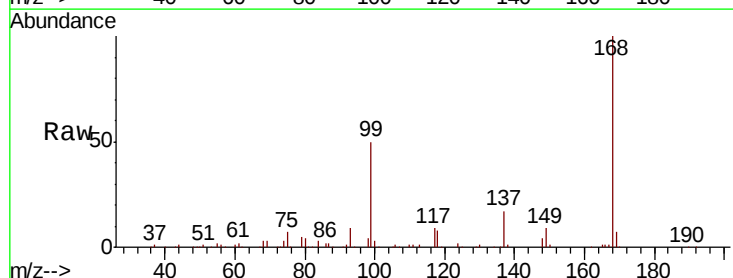
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBL01

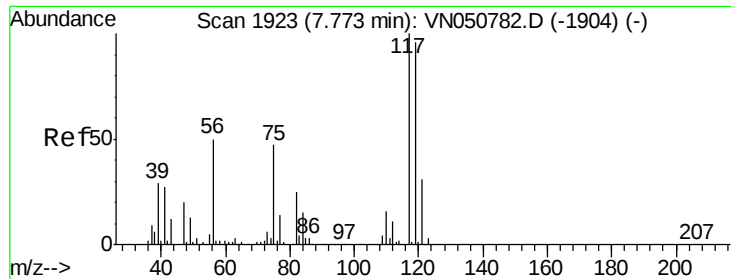
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	23.3	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.61 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050979.D
 Acq: 31 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.10 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0831MBL01

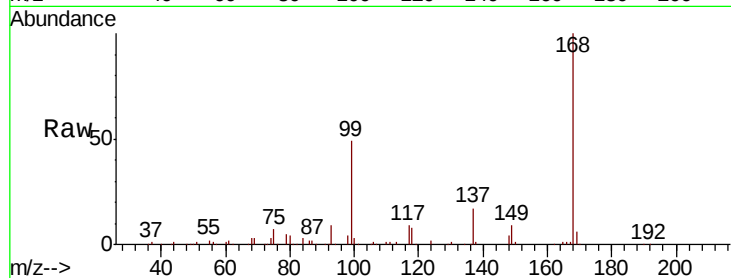
Tot Ion:117 Resp: 48983

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

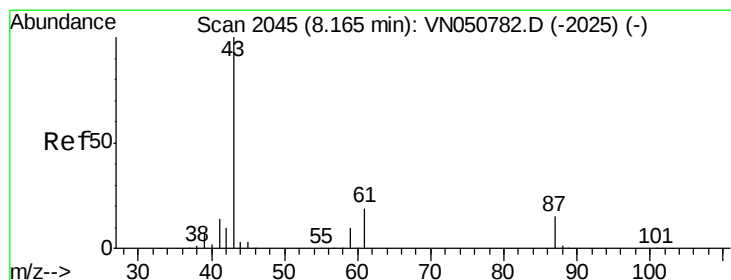
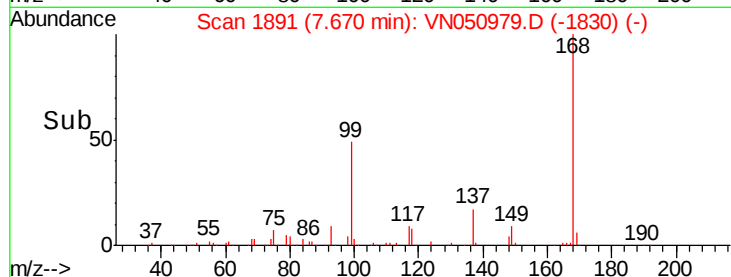
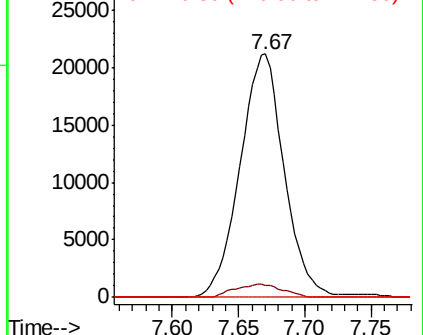
121 0.0 24.6 36.8#



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: 4.21 ug/l

RT: 8.28 min Scan# 2081

Delta R.T. 0.12 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

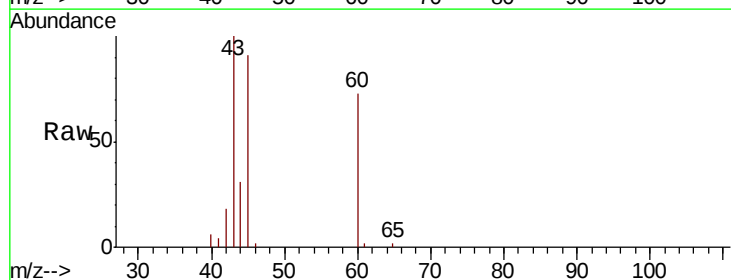
Tgt Ion: 43 Resp: 43376

Ion Ratio Lower Upper

43 100

61 0.7 17.5 26.3#

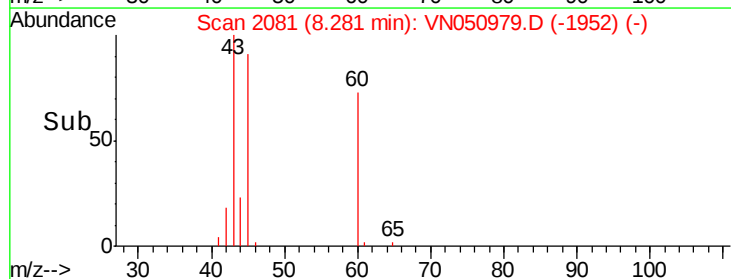
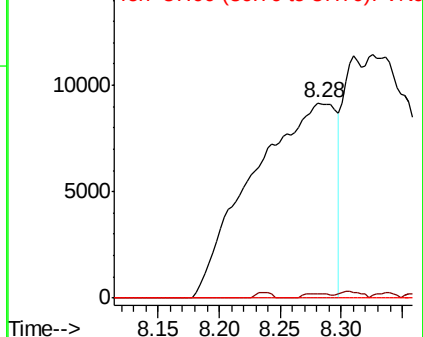
87 0.0 11.3 16.9#

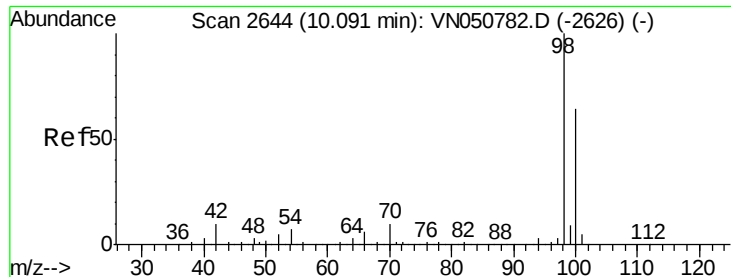


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 46.49 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

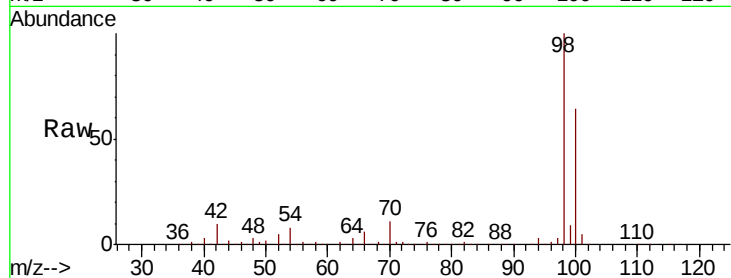
VN0831MBL01

Tot Ion: 98 Resp: 1223747

Ion Ratio Lower Upper

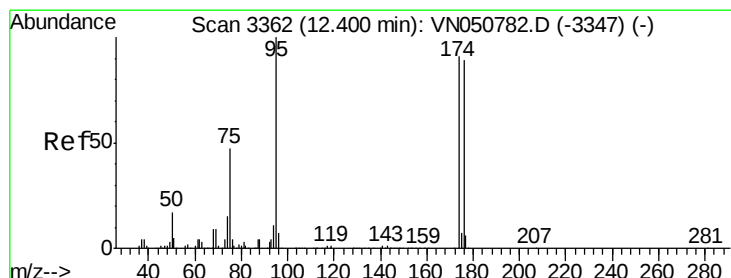
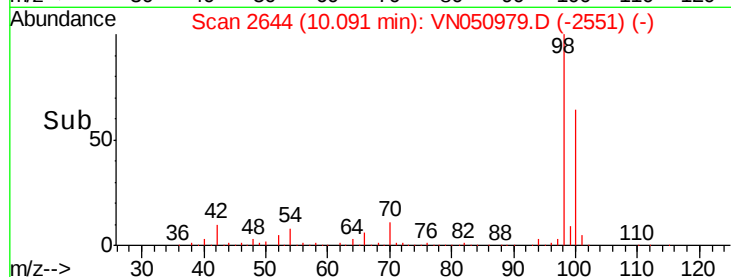
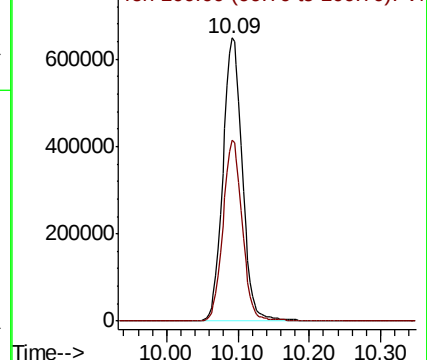
98 100

100 63.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 33.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

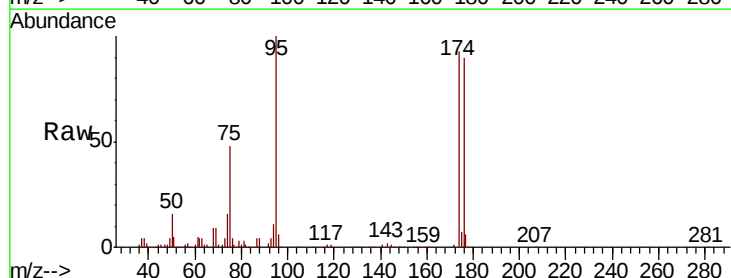
Tgt Ion: 95 Resp: 293174

Ion Ratio Lower Upper

95 100

174 93.5 0.0 183.0

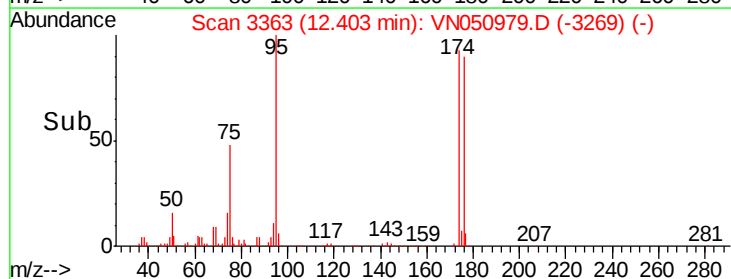
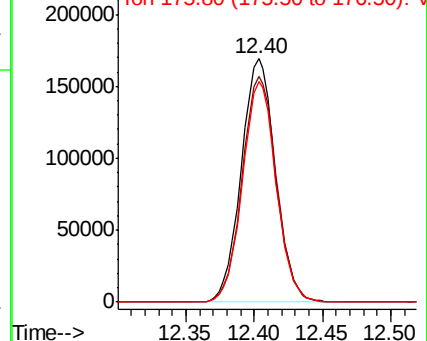
176 89.5 0.0 178.8

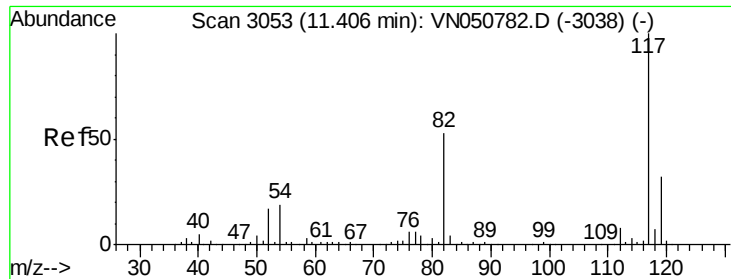


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

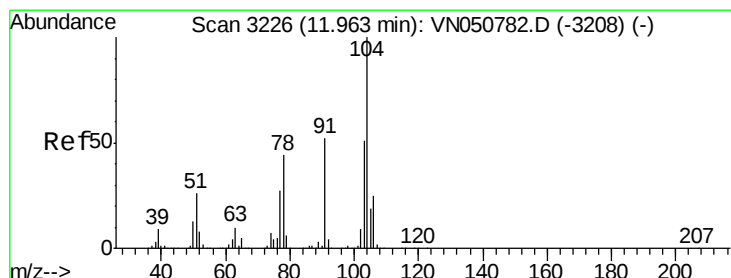
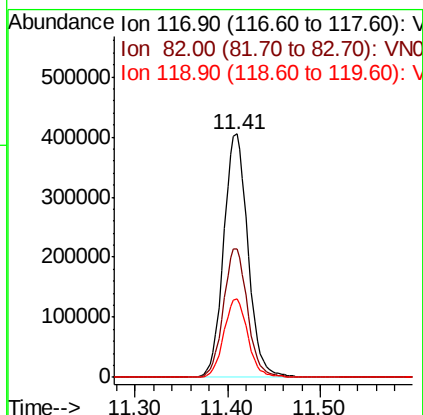
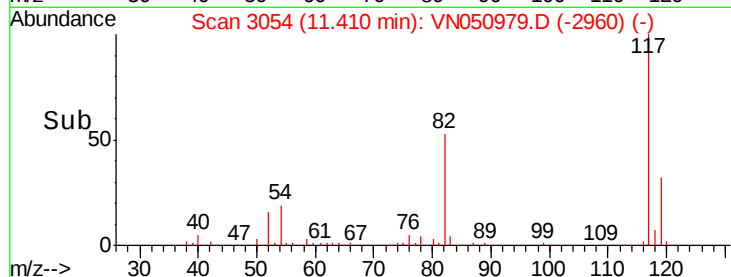
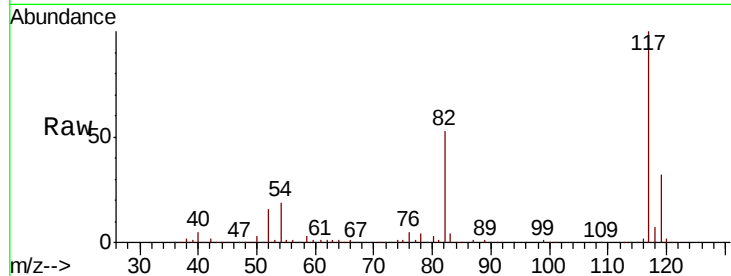




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050979.D
Acq: 31 Aug 2018 11:19

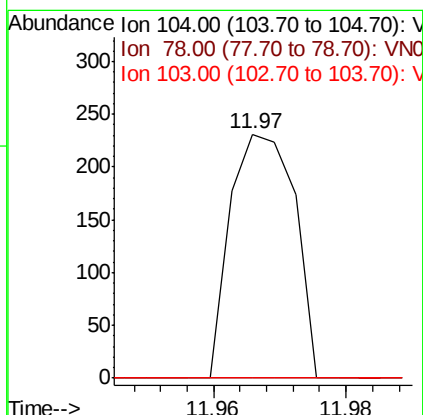
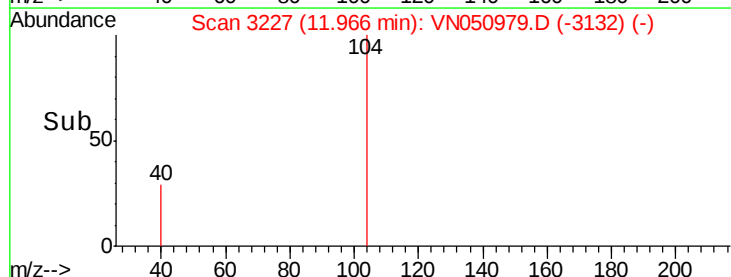
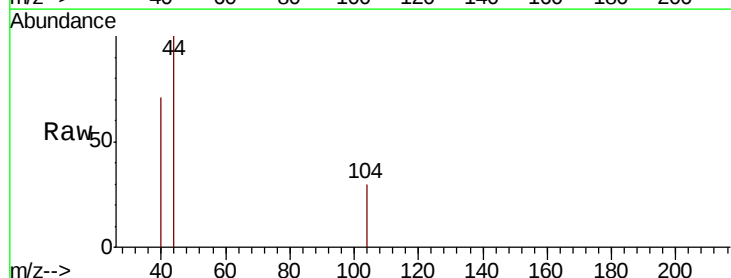
Instrument :
MSVOA_N
ClientSampled :
VN0831MBL01

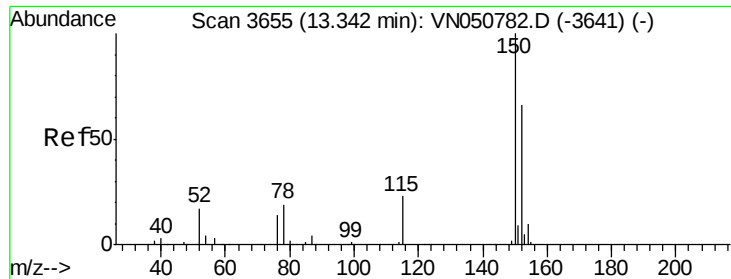
Tot Ion:117 Resp: 733832
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 32.2 25.8 38.6



#70
Styrene
Concen: 1.28 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050979.D
Acq: 31 Aug 2018 11:19

Tgt Ion:104 Resp: 155
Ion Ratio Lower Upper
104 100
78 0.0 38.2 57.4#
103 0.0 44.4 66.6#



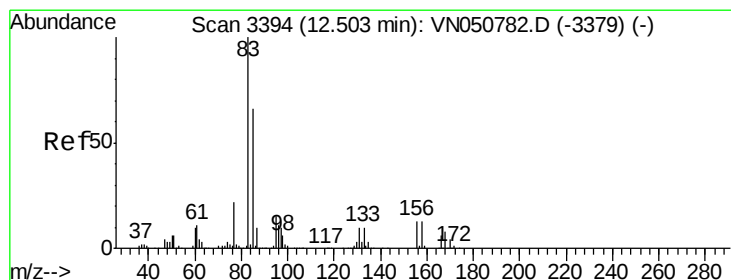
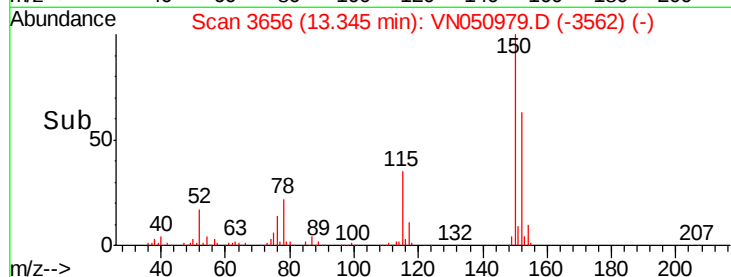
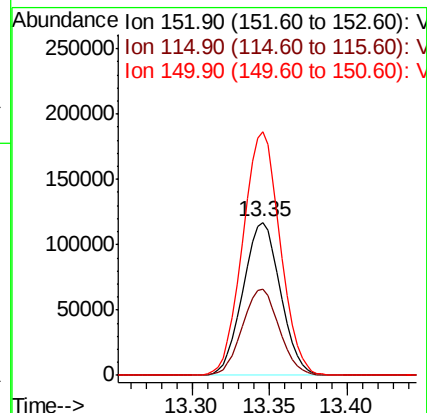
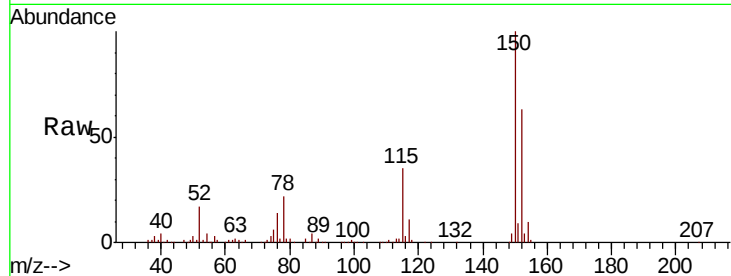


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050979.D
Acq: 31 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBL01

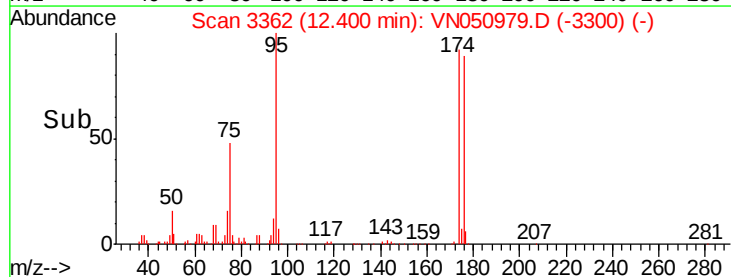
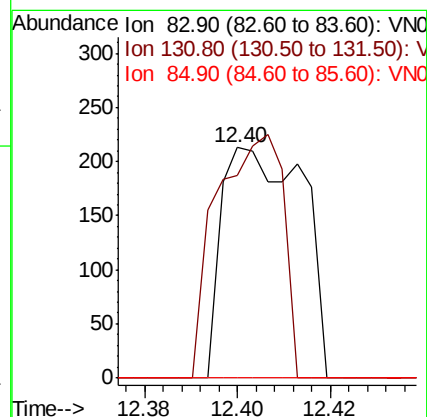
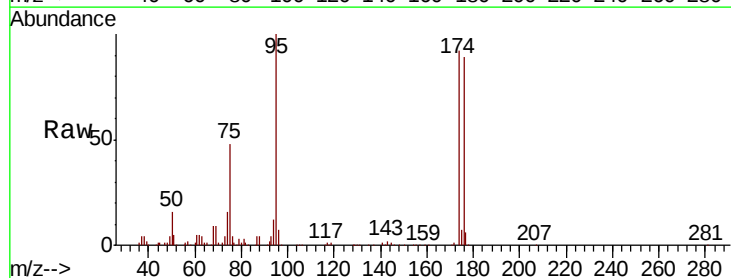
Tot Ion:152 Resp: 197250
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 159.5 0.0 351.4

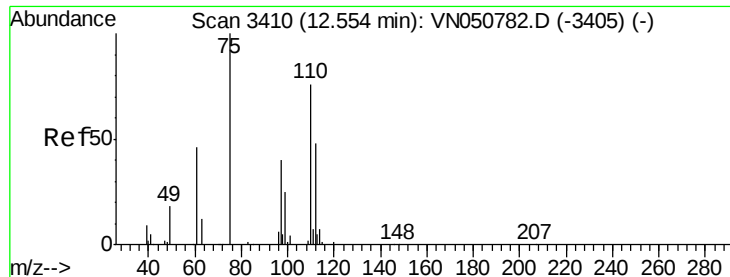


#75

1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.40 min Scan# 3362
Delta R.T. -0.10 min
Lab File: VN050979.D
Acq: 31 Aug 2018 11:19

Tgt Ion: 83 Resp: 259
Ion Ratio Lower Upper
83 100
131 86.5 5.3 15.9#
85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 39.19 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

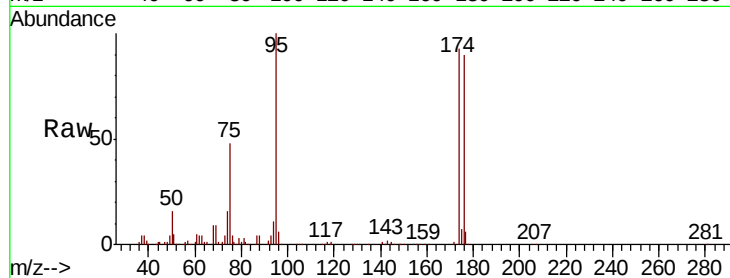
VN0831MBL01

Tot Ion: 75 Resp: 135404

Ion Ratio Lower Upper

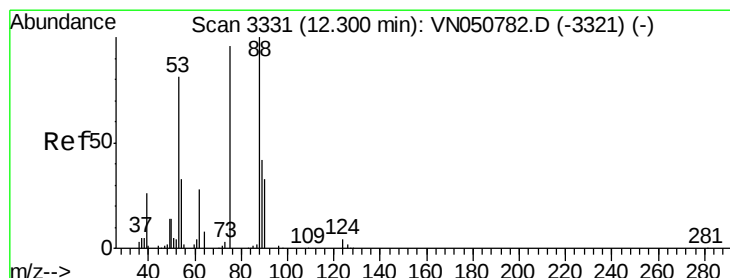
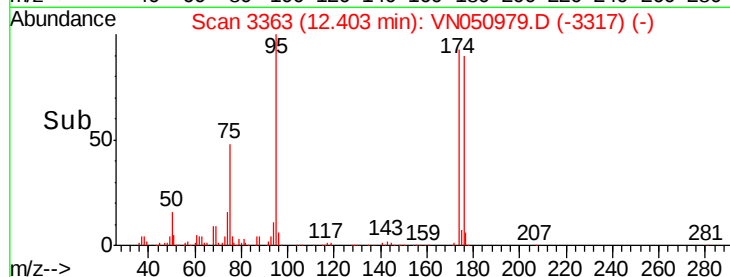
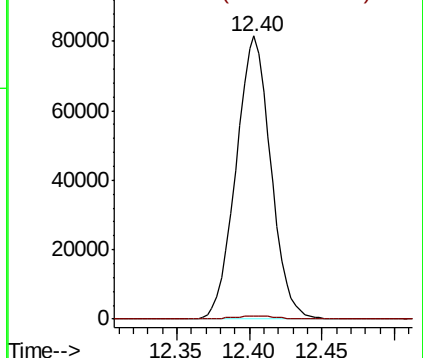
75 100

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: 132.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

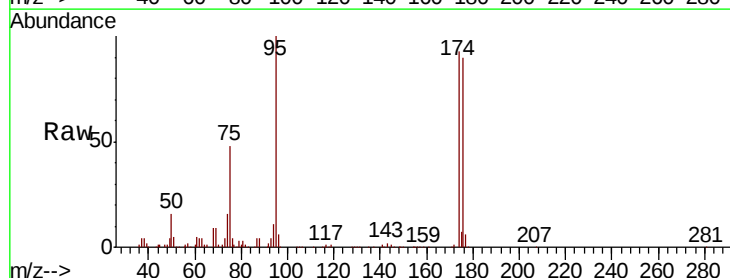
Tgt Ion: 75 Resp: 135404

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

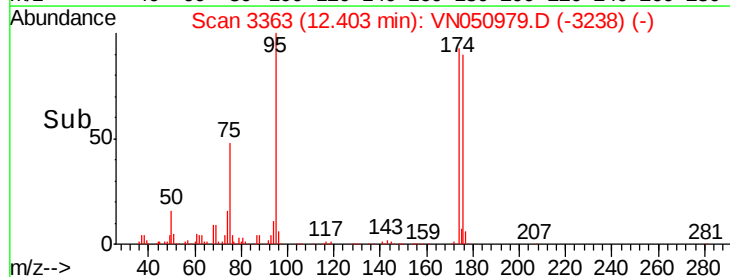
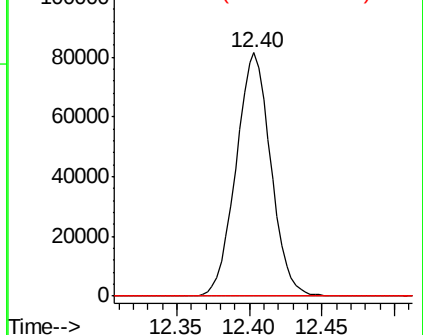
89 0.0 36.1 54.1#

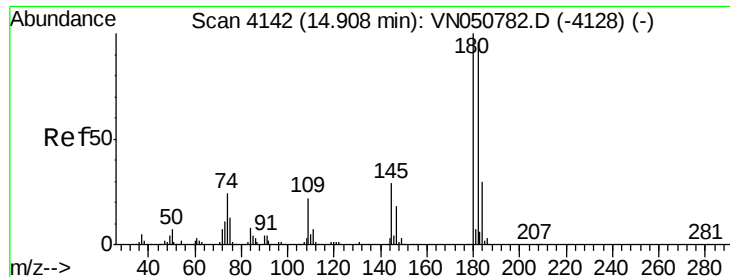


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

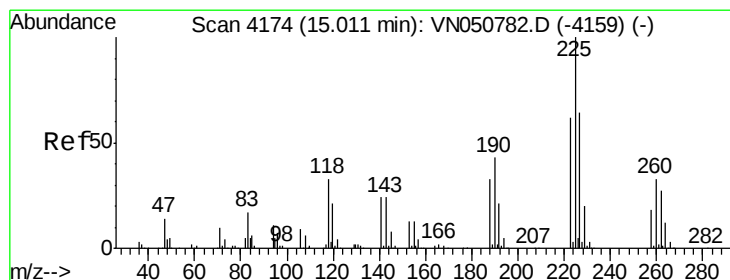
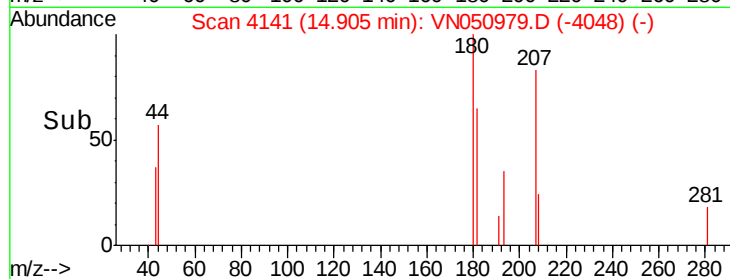
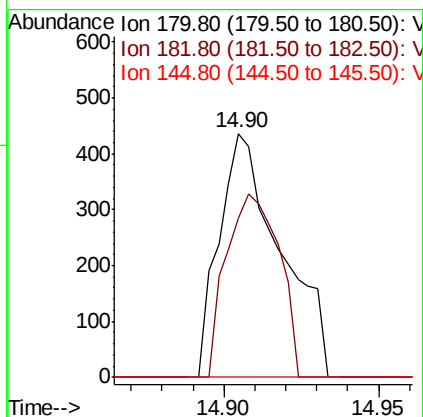
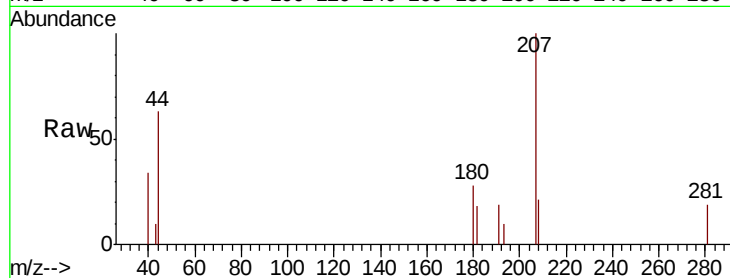




#93
 1,2,4-Trichlorobenzene
 Concen: 4.23 ug/l
 RT: 14.90 min Scan# 4141
 Delta R.T. -0.00 min
 Lab File: VN050979.D
 Acq: 31 Aug 2018 11:19

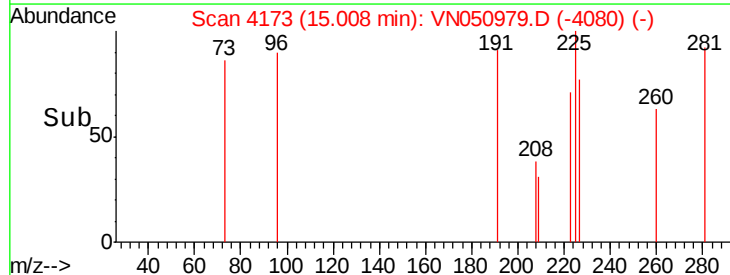
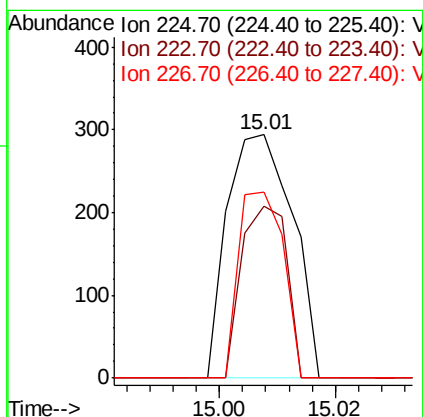
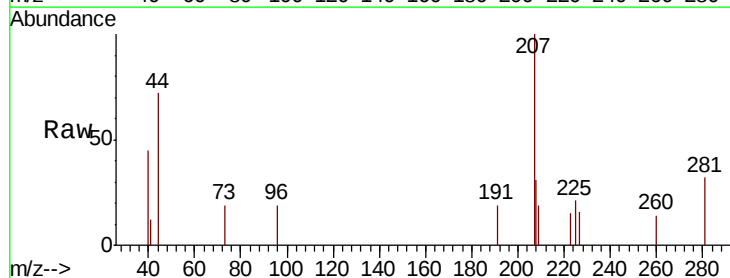
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBL01

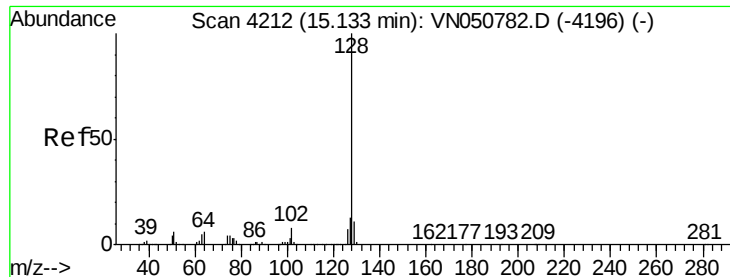
Tot Ion:180 Resp: 603
 Ion Ratio Lower Upper
 180 100
 182 64.7 48.2 144.6
 145 0.0 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4173
 Delta R.T. -0.00 min
 Lab File: VN050979.D
 Acq: 31 Aug 2018 11:19

Tgt Ion:225 Resp: 229
 Ion Ratio Lower Upper
 225 100
 223 48.9 31.3 93.8
 227 52.4 32.0 96.2





#95

Naphthalene

Concen: 5.54 ug/l

RT: 15.13 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBL01

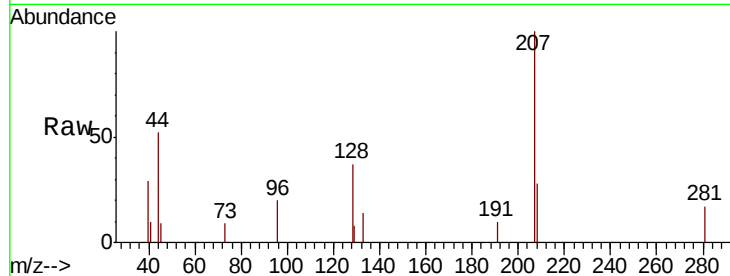
Tot Ion:128 Resp: 1277

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 2.3 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

15.13

800

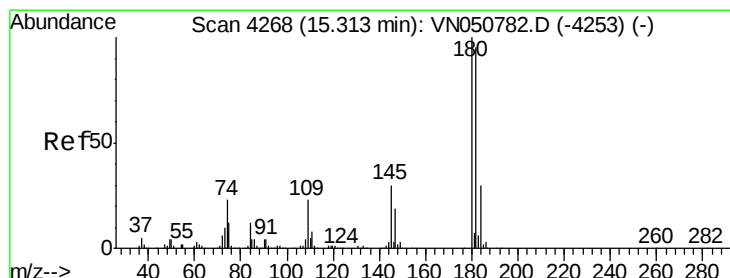
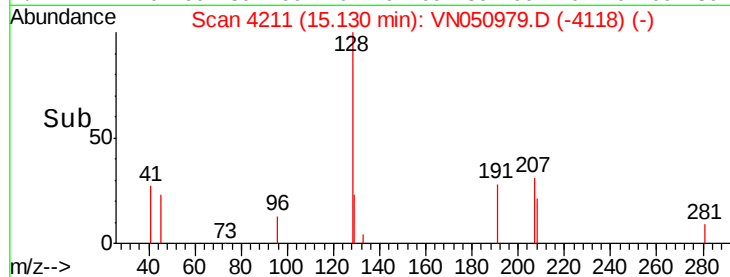
600

400

200

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.41 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN050979.D

Acq: 31 Aug 2018 11:19

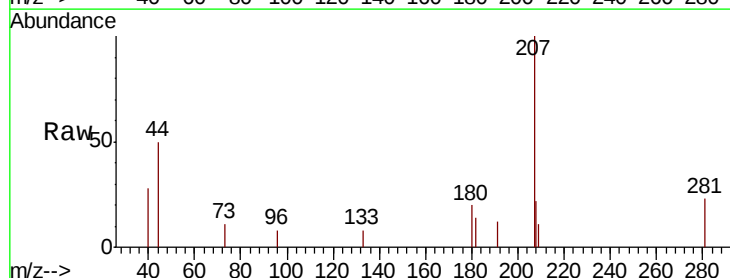
Tgt Ion:180 Resp: 438

Ion Ratio Lower Upper

180 100

182 118.9 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

15.32

500

400

300

200

100

0

Time-->

