

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050723.D
 Acq On : 17 Aug 2018 12:19
 Operator : MD\SY
 Sample : VN0817MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 23:11:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	664381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1045569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	893318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	307803	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	440316	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	7.59	113	414457	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	10.09	98	1467219	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.40	95	388240	37.41	ug/l	0.00
Spiked Amount			Recovery	=	74.82%	

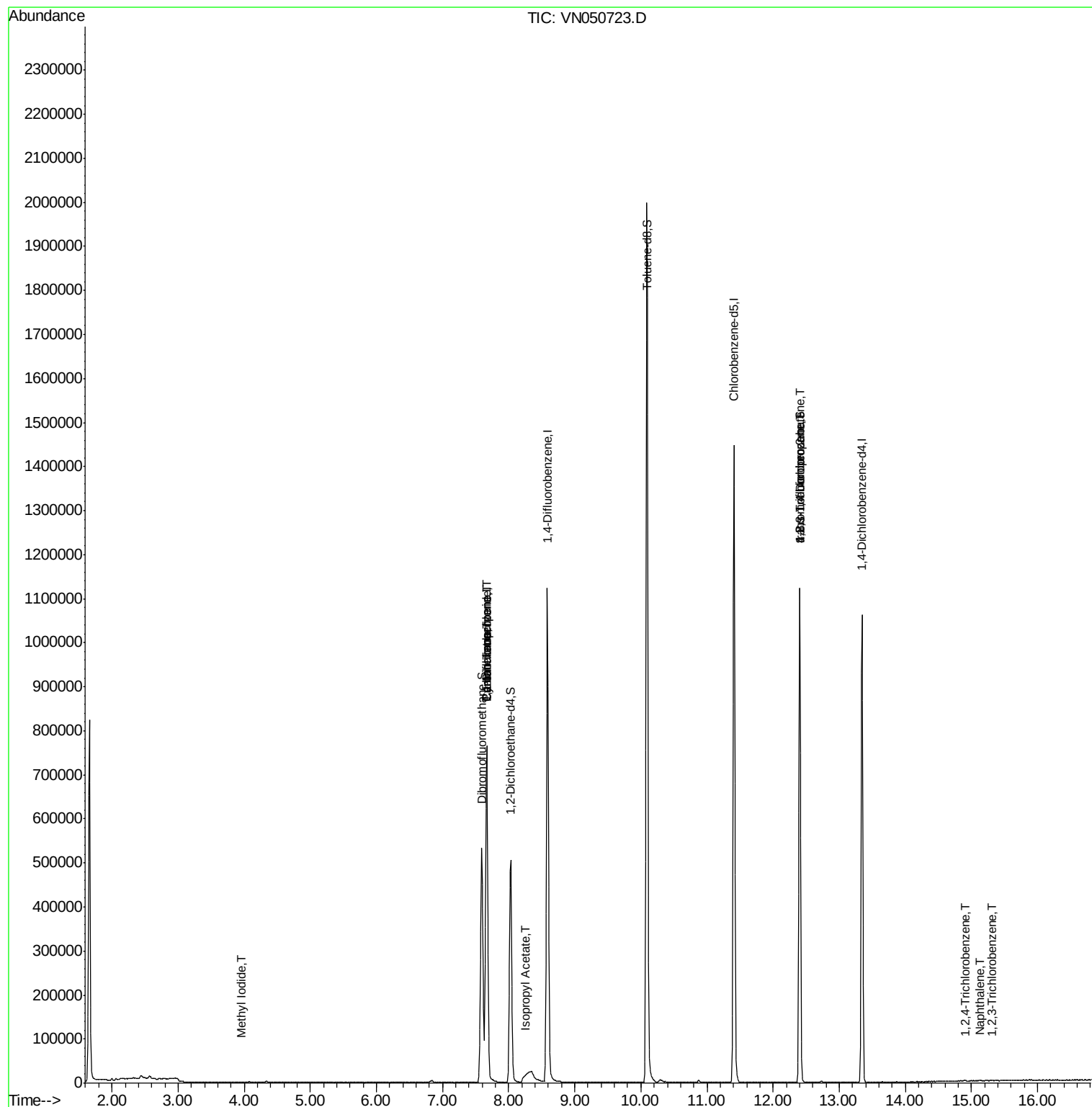
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3082	Below Cal		97
5) Bromomethane	2.57	94	3451	Below Cal	#	80
6) Chloroethane	2.70	64	99	Below Cal	#	1
10) Methyl Iodide	3.96	142	880	7.08	ug/l	69
16) Acetone	3.83	43	1879	Below Cal		89
20) Methylene Chloride	4.54	84	433	Below Cal	#	46
31) Cyclohexane	7.67	56	11933	0.60	ug/l	1
36) 1,1-Dichloropropene	7.67	75	45713	3.93	ug/l	49
38) Carbon Tetrachloride	7.67	117	59463	4.92	ug/l	16
43) Isopropyl Acetate	8.25	43	11340	0.95	ug/l	60
75) 1,1,2,2-Tetrachloroethane	12.40	83	162	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	185728	37.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	185728	134.15	ug/l	13
93) 1,2,4-Trichlorobenzene	14.90	180	302	2.73	ug/l	34
95) Naphthalene	15.14	128	1288	3.96	ug/l	80
96) 1,2,3-Trichlorobenzene	15.32	180	675	2.06	ug/l	83

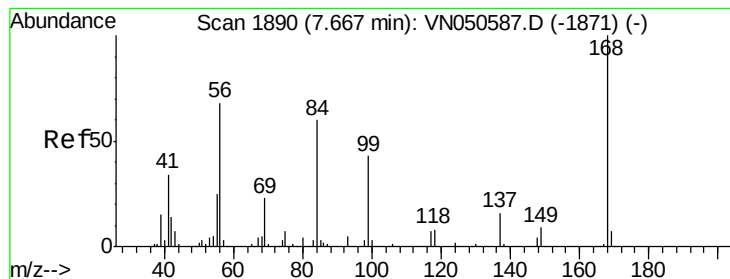
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081718\
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 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: VN050723.D

Acq: 17 Aug 2018 12:19

Instrument :

MSVOA_N

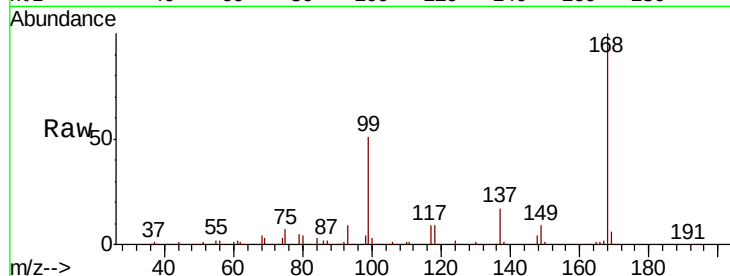
ClientSampled :

Tot Ion:168 Resp: 664381

Ion Ratio Lower Upper

168 100

99 50.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

300000

250000

200000

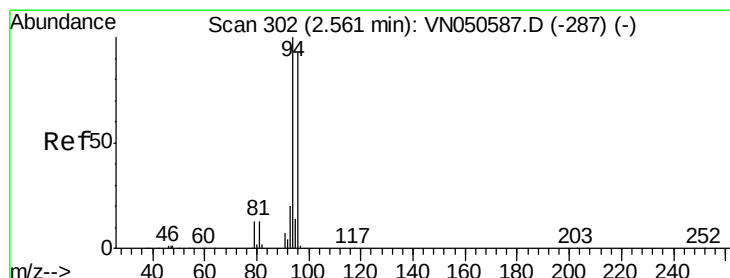
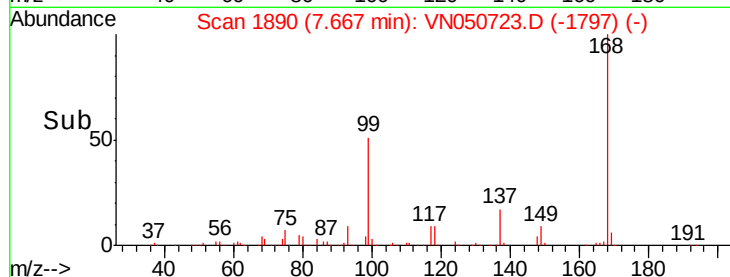
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050723.D

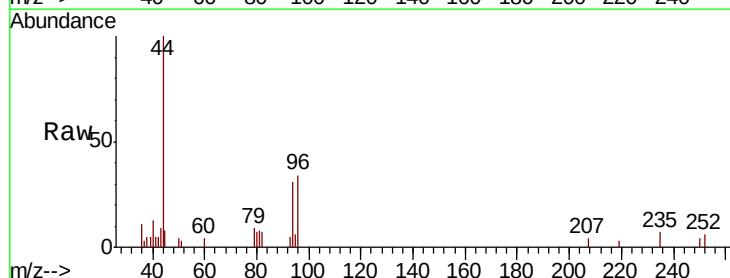
Acq: 17 Aug 2018 12:19

Tgt Ion: 94 Resp: 3451

Ion Ratio Lower Upper

94 100

96 112.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)

2.57

2000

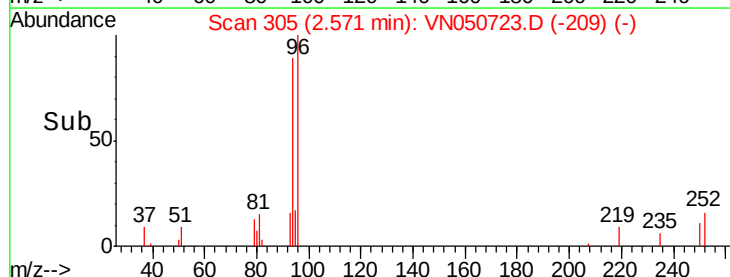
1500

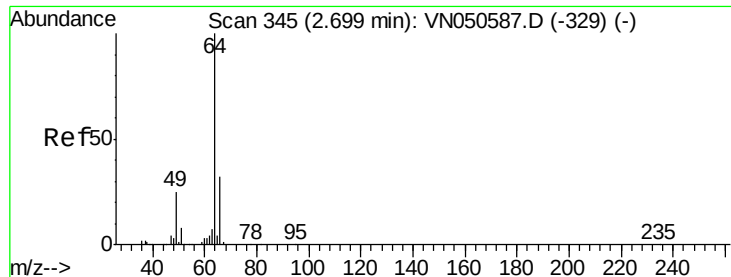
1000

500

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Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

Instrument :

MSVOA_N

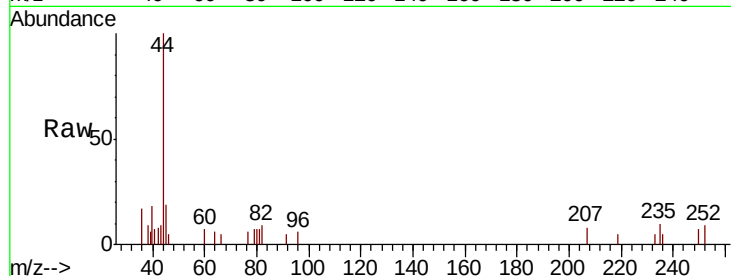
ClientSampled :

Tot Ion: 64 Resp: 99

Ion Ratio Lower Upper

64 100

66 93.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

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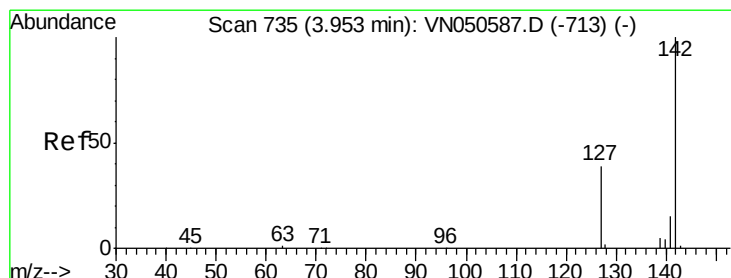
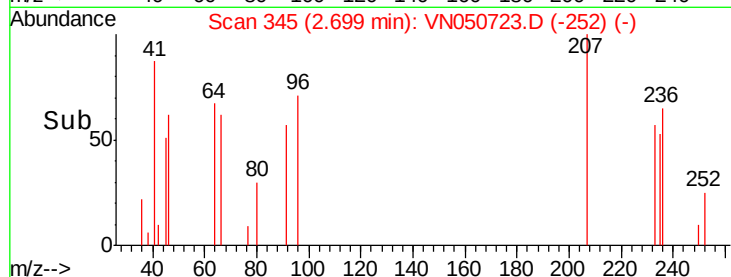
2.71

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#10

Methyl Iodide

Concen: 7.08 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

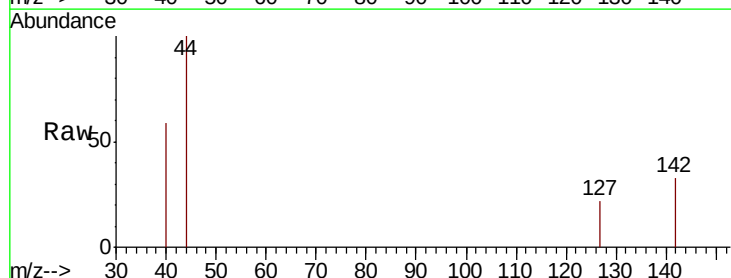
Tgt Ion: 142 Resp: 880

Ion Ratio Lower Upper

142 100

127 22.4 32.6 49.0#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

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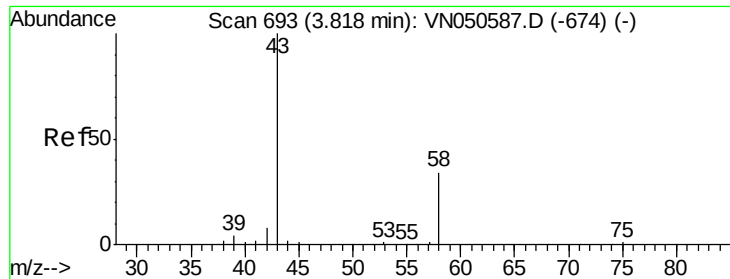
3.96

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#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

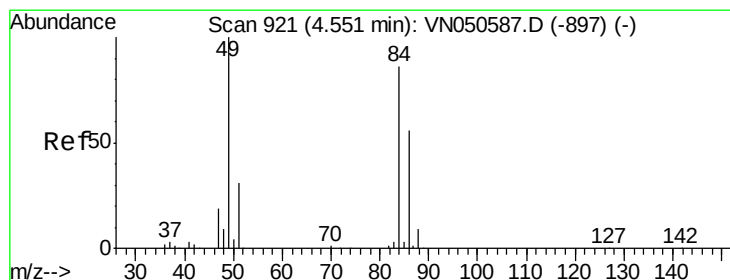
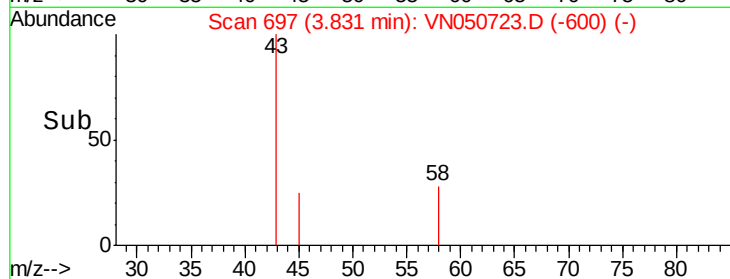
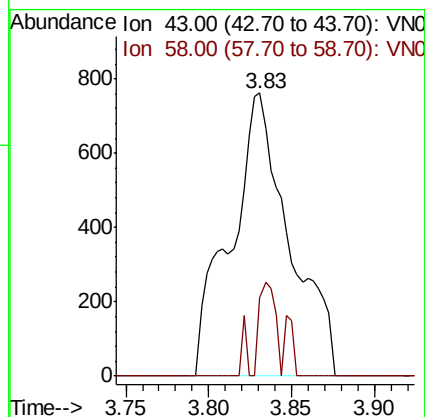
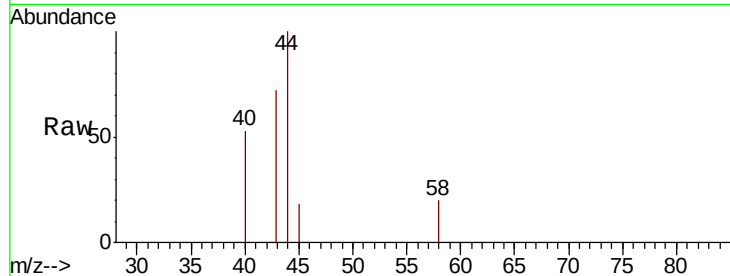
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1879

Ion Ratio Lower Upper

43 100

58 27.6 27.1 40.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.54 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

Tgt Ion: 84 Resp: 433

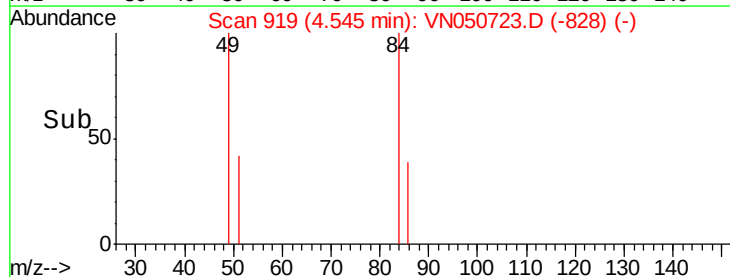
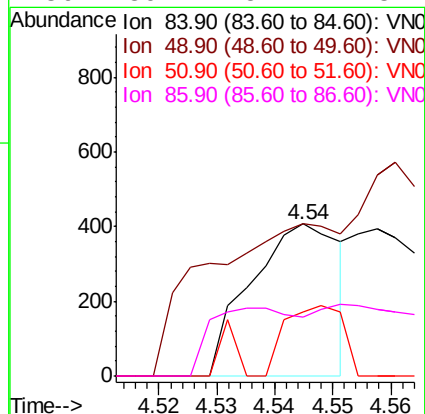
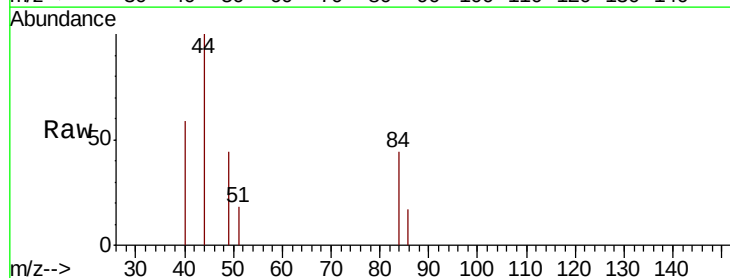
Ion Ratio Lower Upper

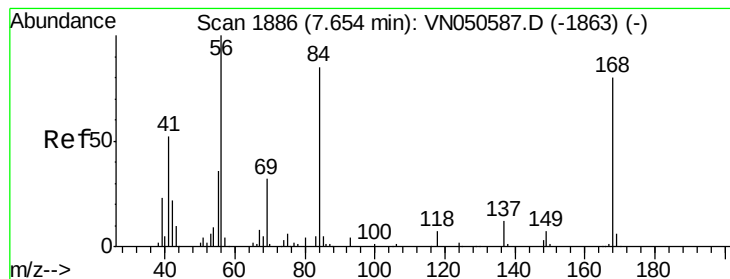
84 100

49 28.7 92.6 138.8#

51 42.3 28.6 43.0

86 39.1 52.2 78.2#





#31

Cyclohexane

Concen: 0.60 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

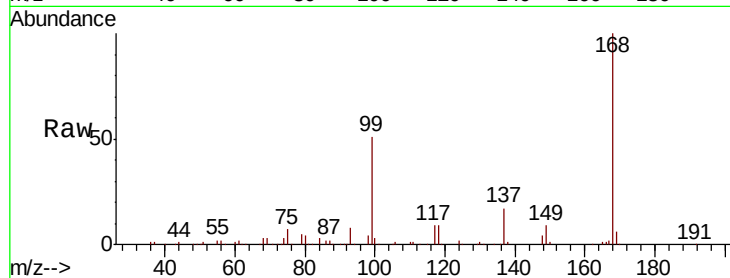
Tot Ion: 56 Resp: 11933

Ion Ratio Lower Upper

56 100

69 181.4 25.8 38.6#

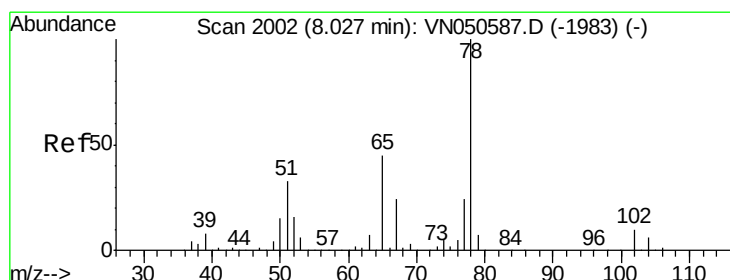
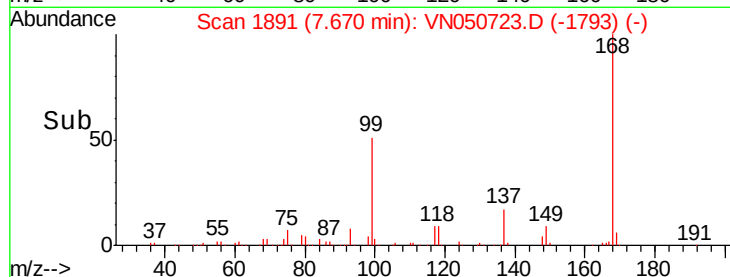
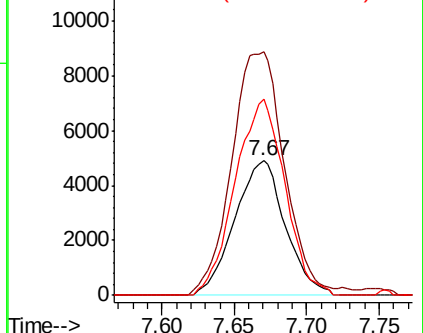
84 146.4 67.8 101.6#



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: 52.58 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050723.D

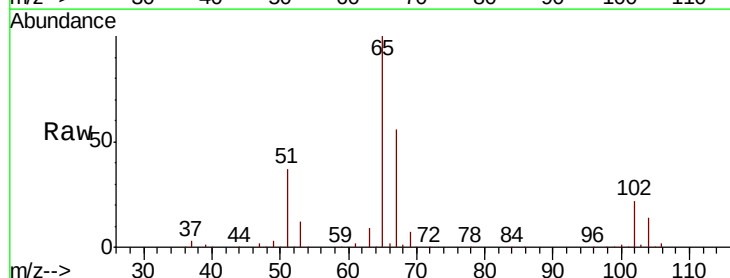
Acq: 17 Aug 2018 12:19

Tgt Ion: 65 Resp: 440316

Ion Ratio Lower Upper

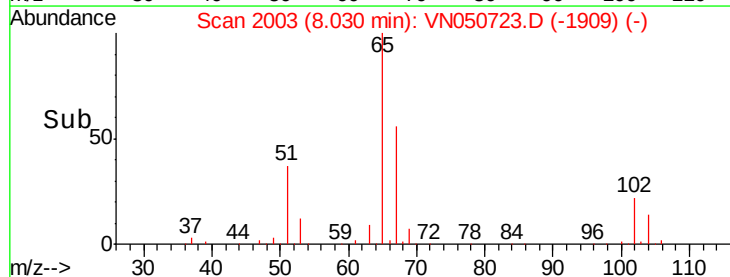
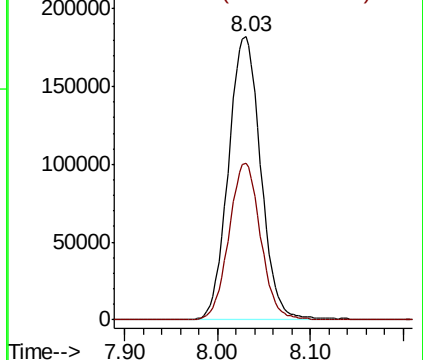
65 100

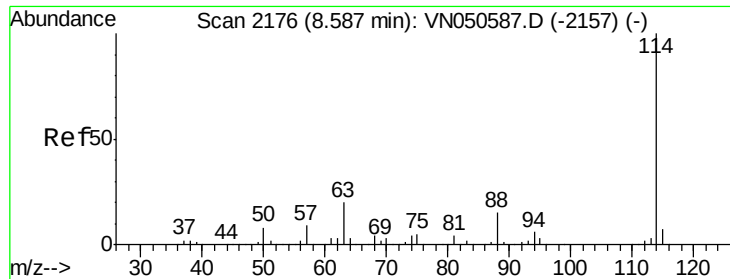
67 54.2 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

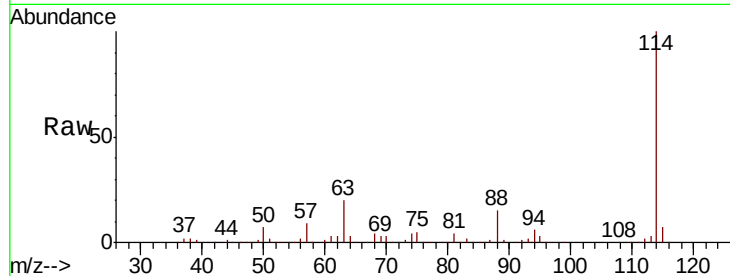




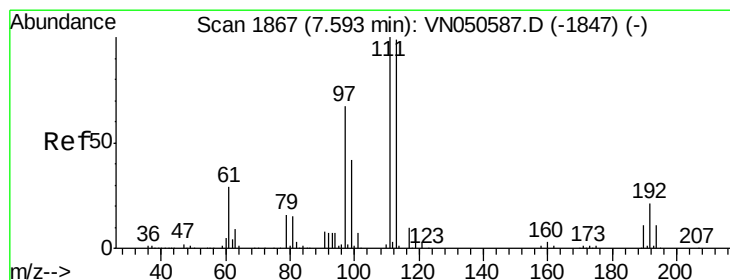
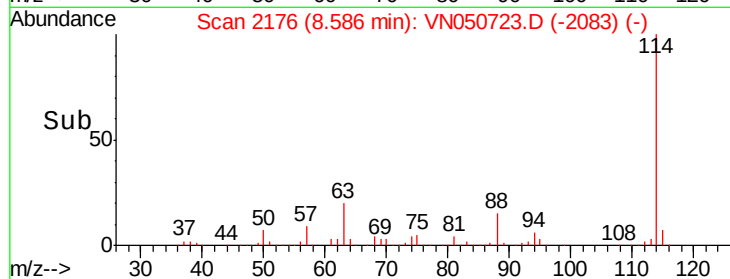
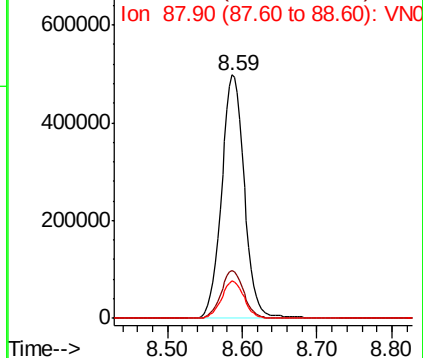
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050723.D
 Acq: 17 Aug 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1045569
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.2 0.0 30.8

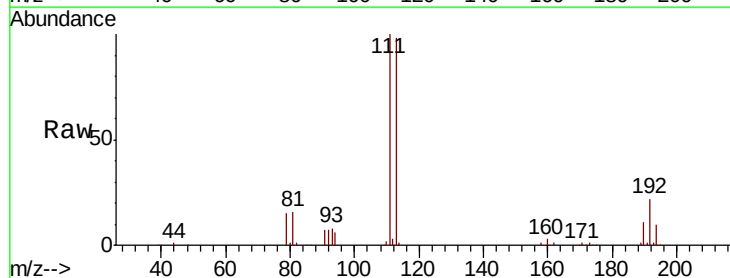


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

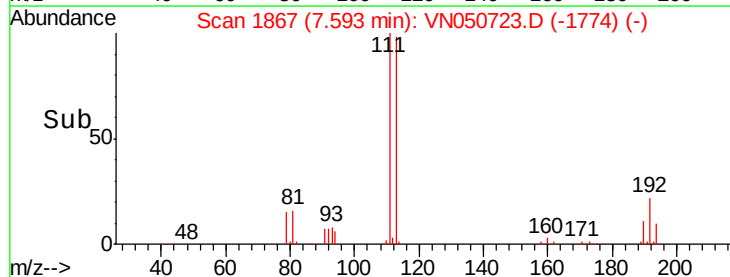
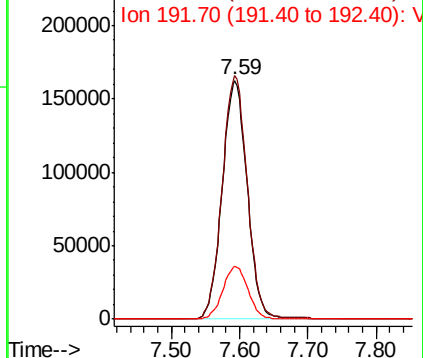


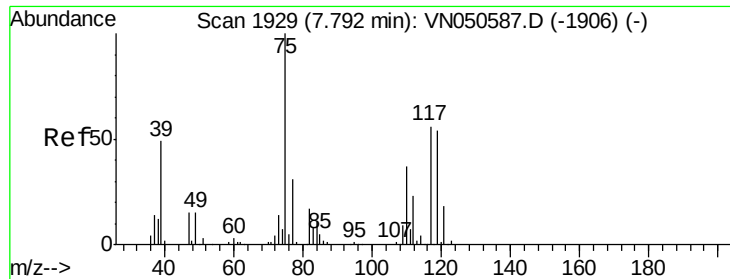
#35
 Dibromofluoromethane
 Concen: 49.65 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050723.D
 Acq: 17 Aug 2018 12:19

Tgt Ion:113 Resp: 414457
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.6
 192 22.3 17.6 26.4



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: 3.93 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

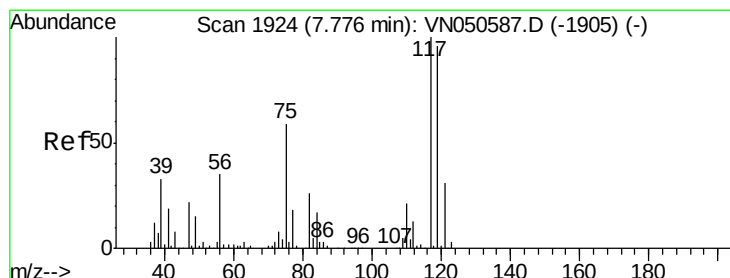
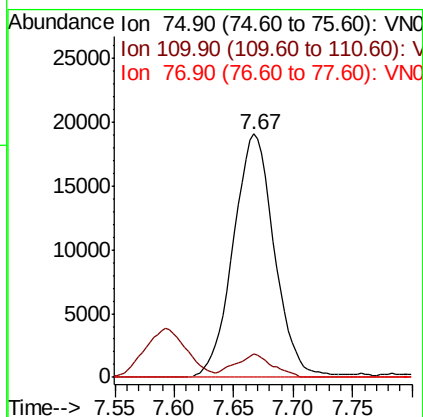
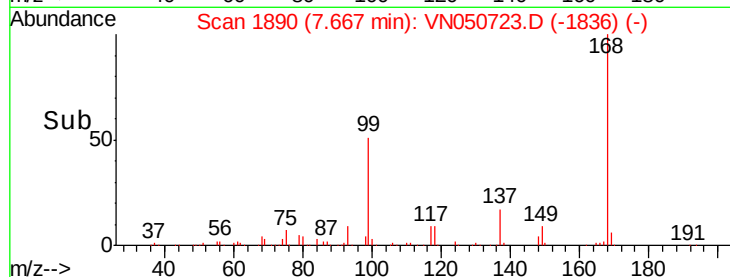
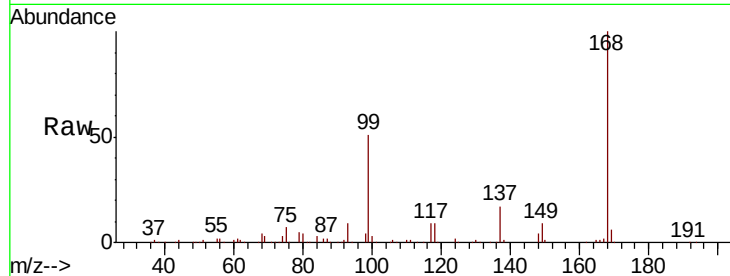
Tot Ion: 75 Resp: 45713

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.92 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

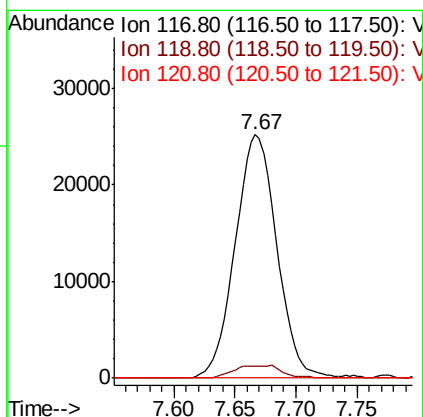
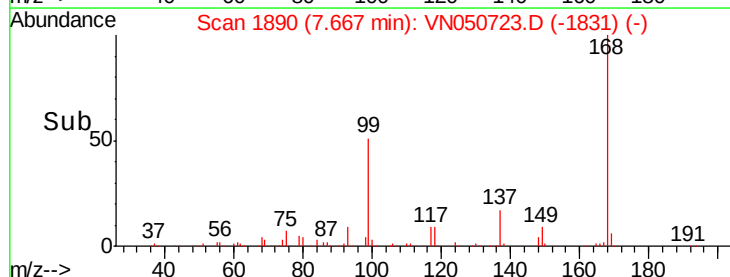
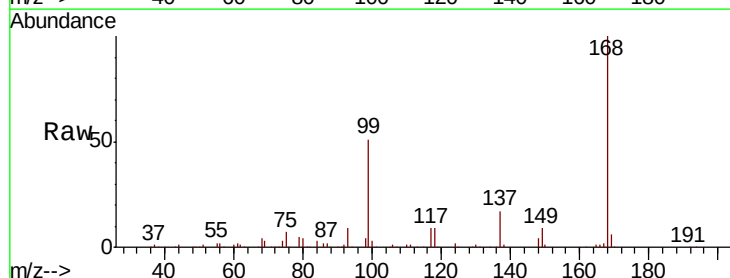
Tgt Ion: 117 Resp: 59463

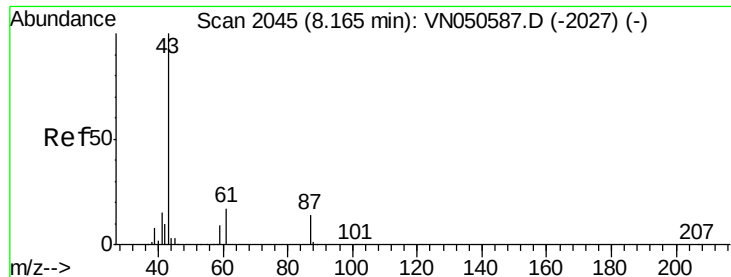
Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 0.95 ug/l

RT: 8.25 min Scan# 2070

Delta R.T. 0.08 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

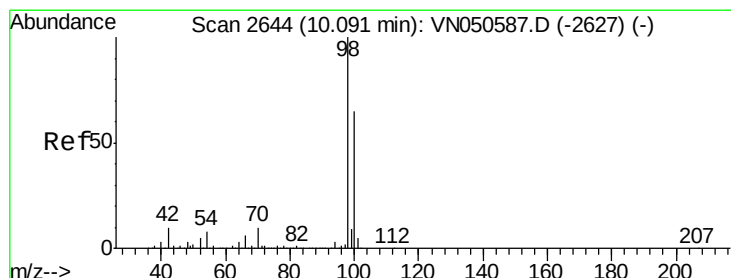
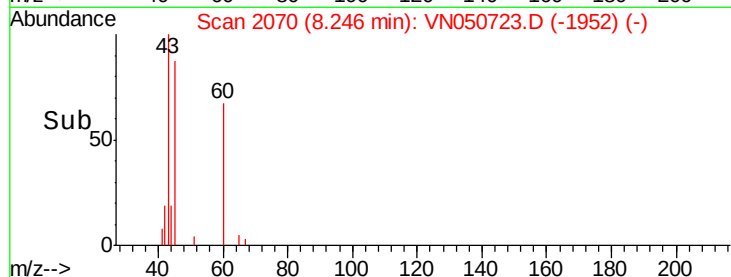
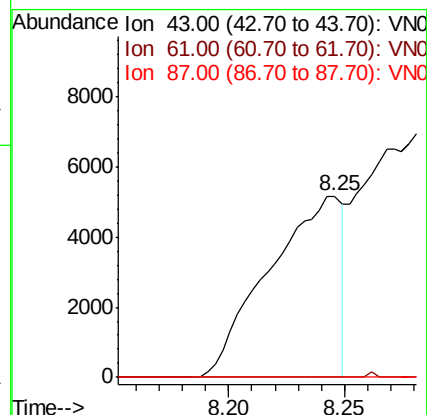
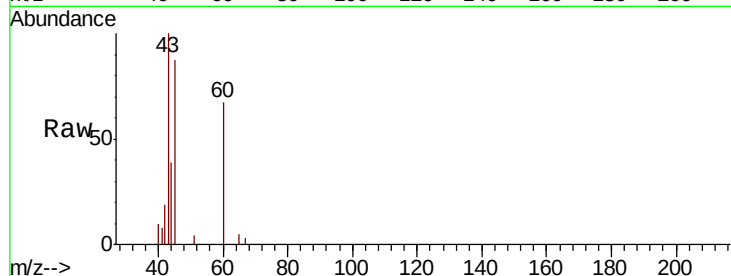
Tot Ion: 43 Resp: 11340

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

87 0.0 10.9 16.3#



#50

Toluene-d8

Concen: 46.70 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050723.D

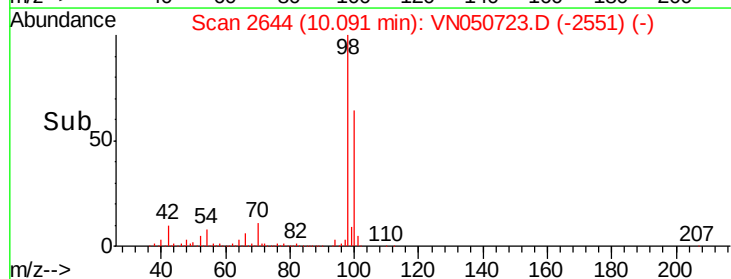
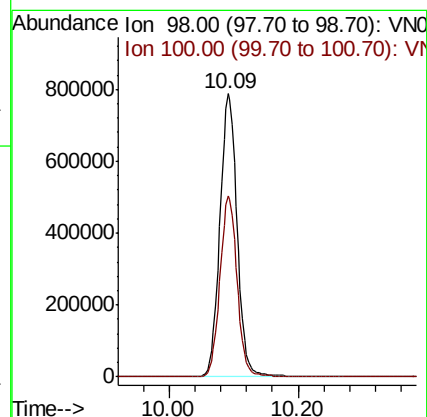
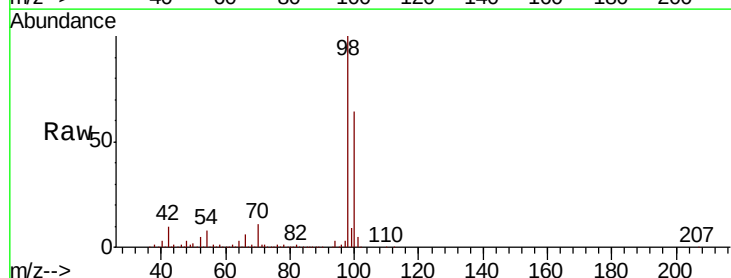
Acq: 17 Aug 2018 12:19

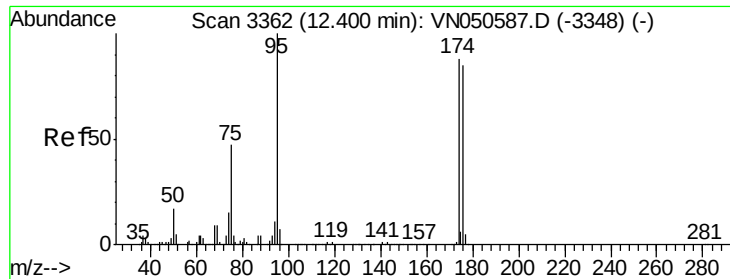
Tgt Ion: 98 Resp: 1467219

Ion Ratio Lower Upper

98 100

100 63.5 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 37.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

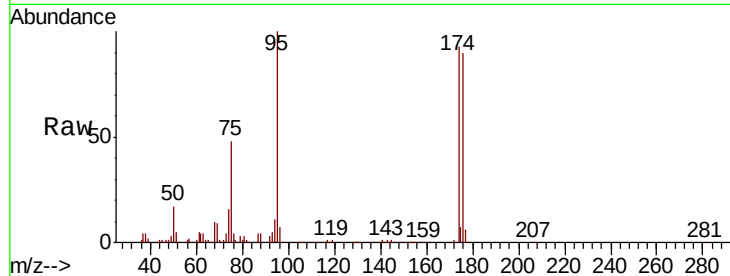
Tot Ion: 95 Resp: 388240

Ion Ratio Lower Upper

95 100

174 91.3 0.0 177.8

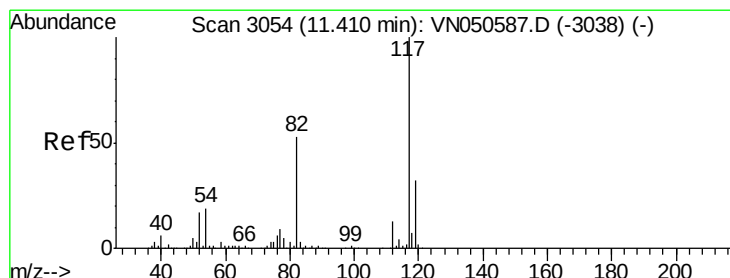
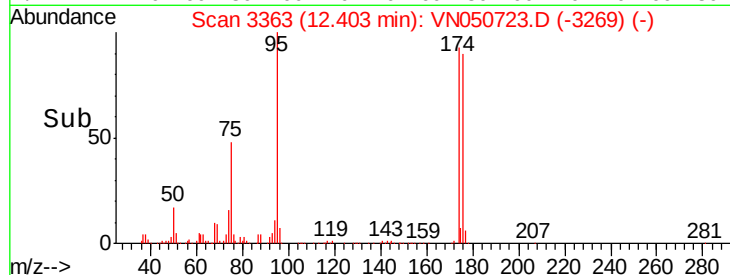
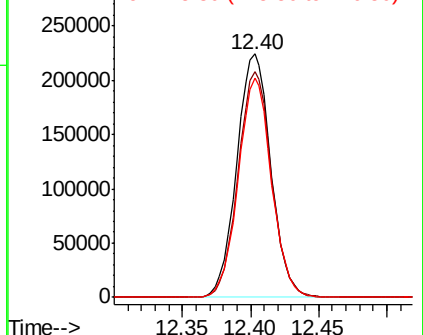
176 87.7 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

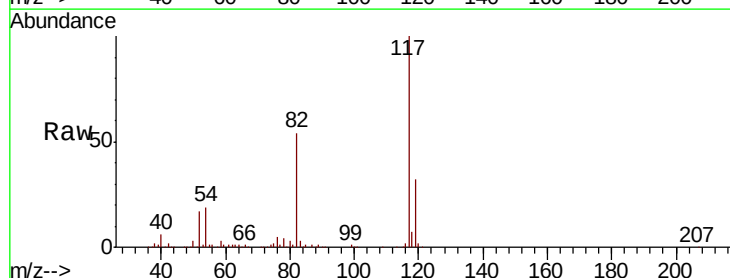
Tgt Ion: 117 Resp: 893318

Ion Ratio Lower Upper

117 100

82 53.9 42.4 63.6

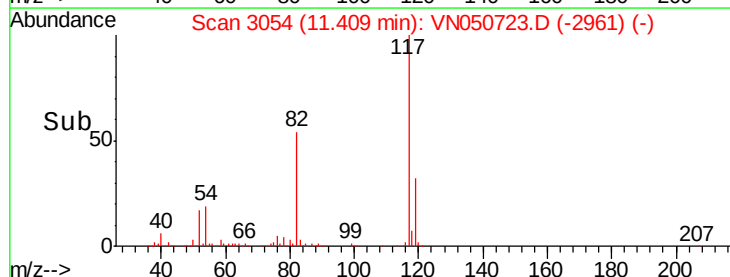
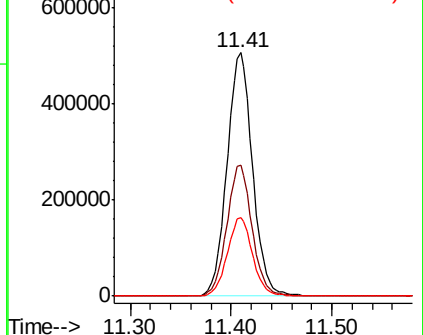
119 32.4 25.8 38.8

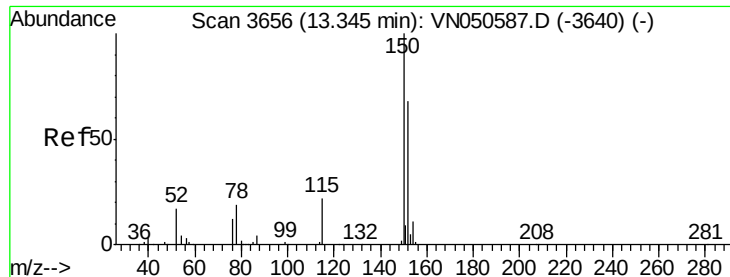


Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

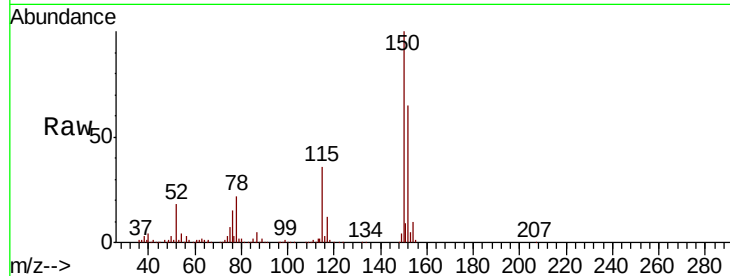
Tot Ion:152 Resp: 307803

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.2

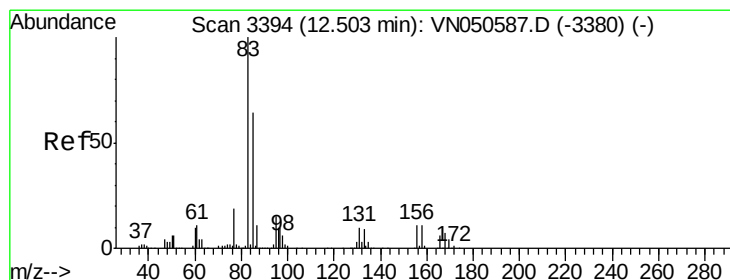
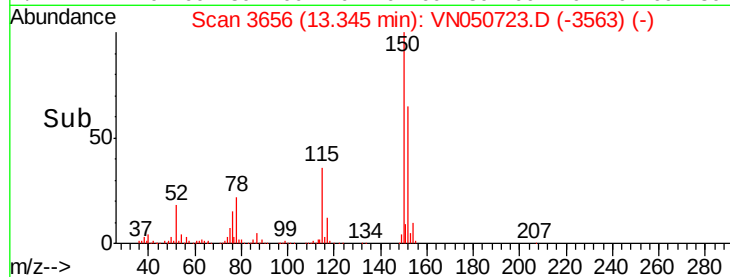
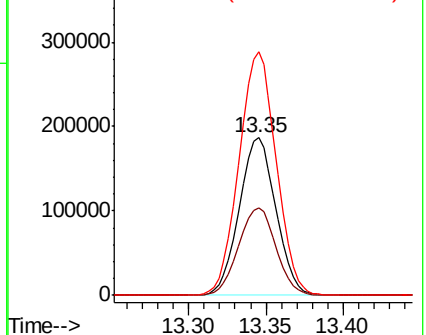
150 156.8 0.0 347.8



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: 12.40 min Scan# 3362

Delta R.T. -0.10 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

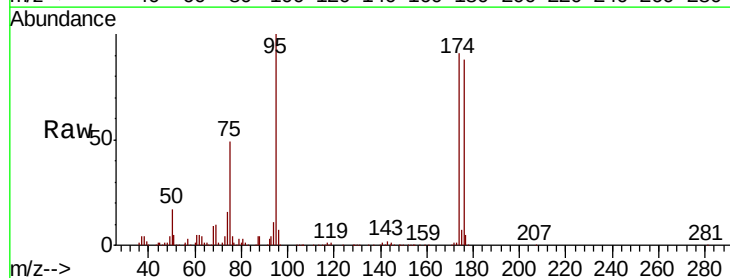
Tgt Ion: 83 Resp: 162

Ion Ratio Lower Upper

83 100

131 272.2 5.3 15.9#

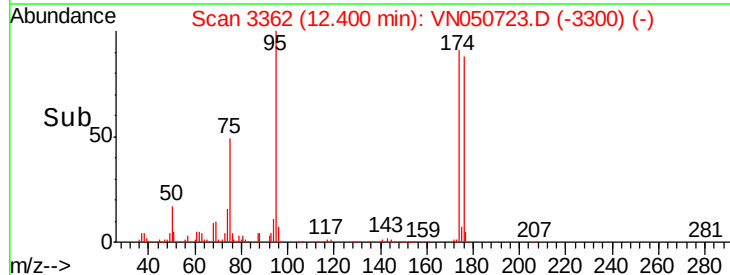
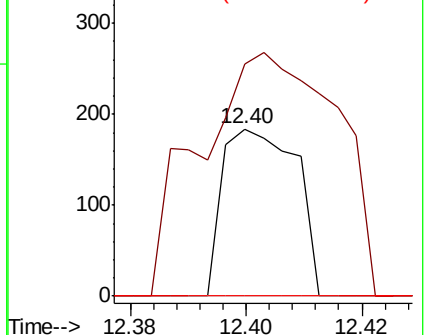
85 0.0 32.1 96.5#

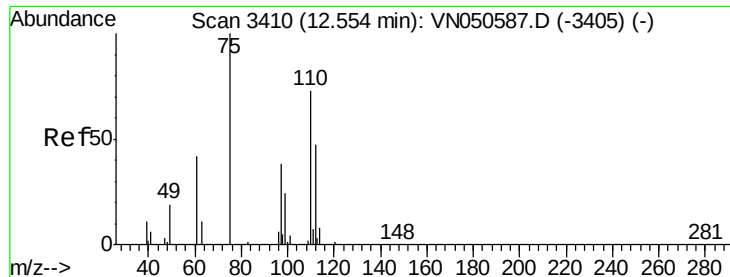


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

Instrument :

MSVOA_N

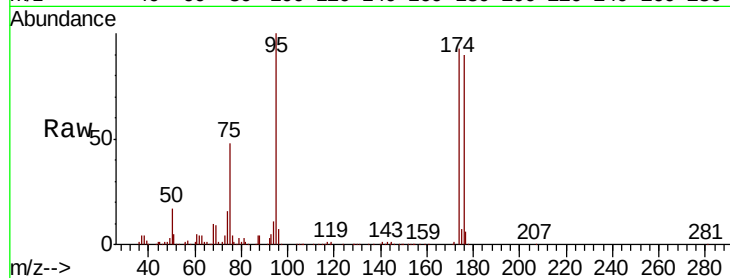
ClientSampled :

Tot Ion: 75 Resp: 185728

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

120000

100000

80000

60000

40000

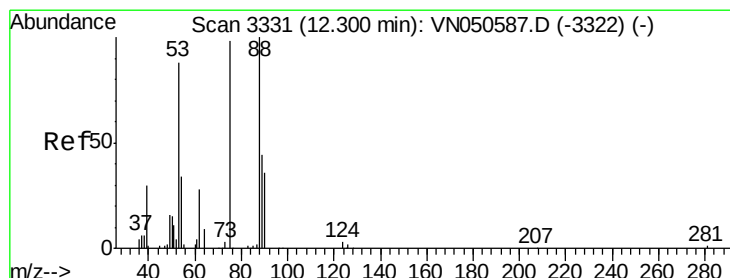
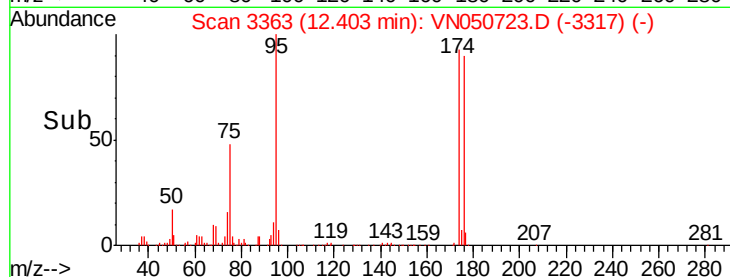
20000

0

12.40

12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 134.15 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050723.D

Acq: 17 Aug 2018 12:19

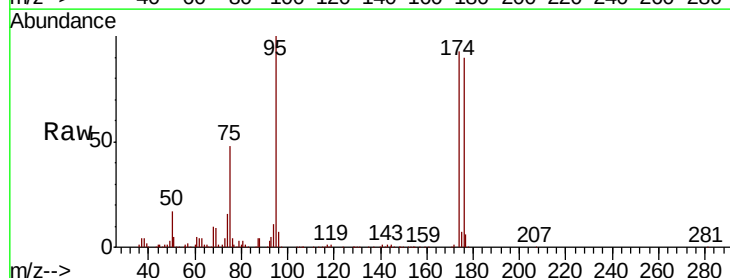
Tgt Ion: 75 Resp: 185728

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

89 0.0 36.3 54.5#



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

150000

100000

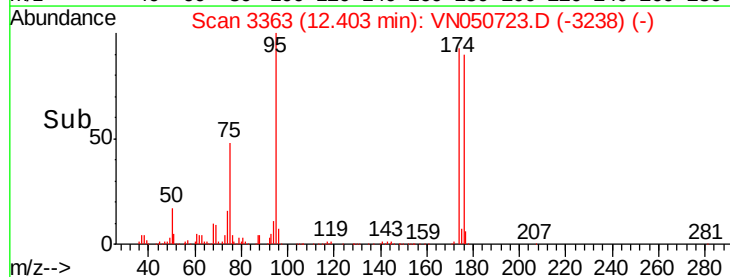
50000

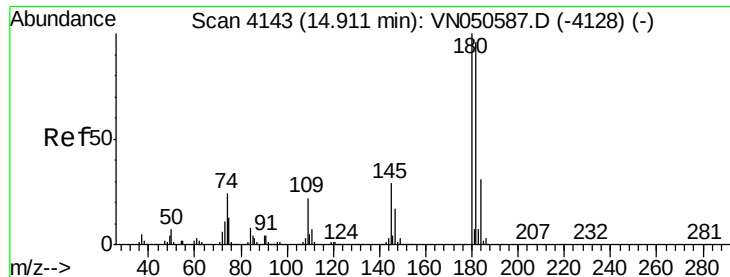
0

12.40

12.50

Time-->

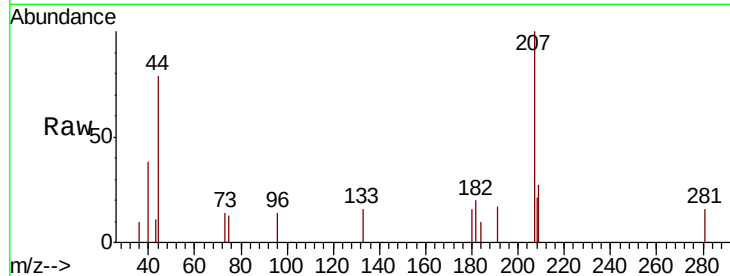




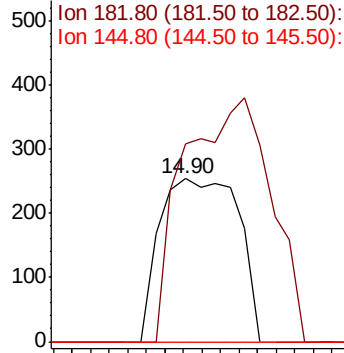
#93
 1,2,4-Trichlorobenzene
 Concen: 2.73 ug/l
 RT: 14.90 min Scan# 4141
 Delta R.T. -0.01 min
 Lab File: VN050723.D
 Acq: 17 Aug 2018 12:19

Instrument :
 MSVOA_N
 ClientSampled :

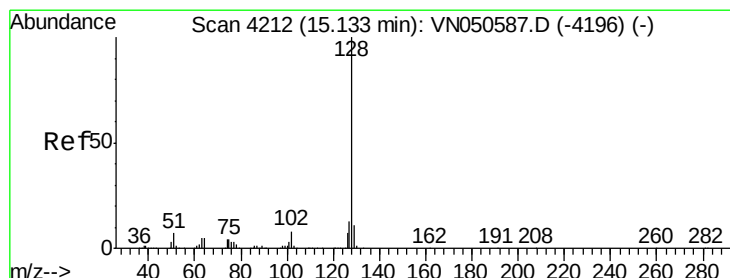
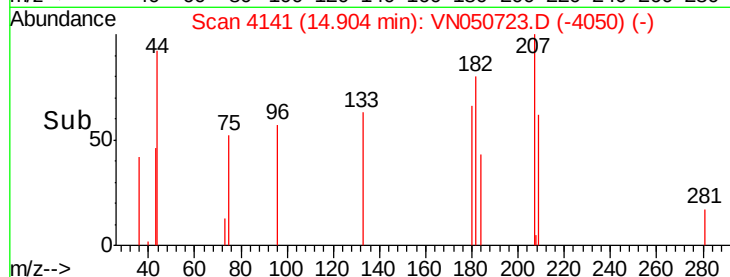
Tot Ion:180 Resp: 302
 Ion Ratio Lower Upper
 180 100
 182 163.6 47.9 143.7#
 145 0.0 14.4 43.4#



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

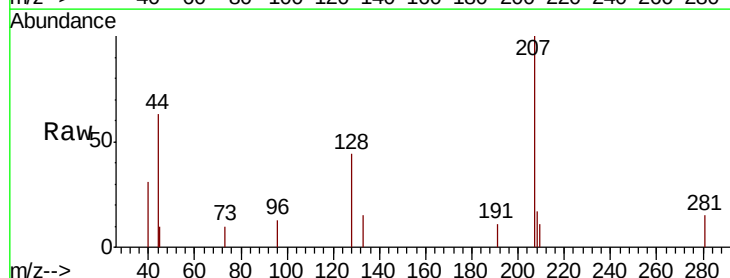


Time--> 14.88 14.90 14.92

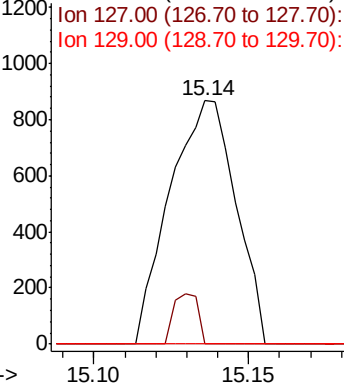


#95
 Naphthalene
 Concen: 3.96 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050723.D
 Acq: 17 Aug 2018 12:19

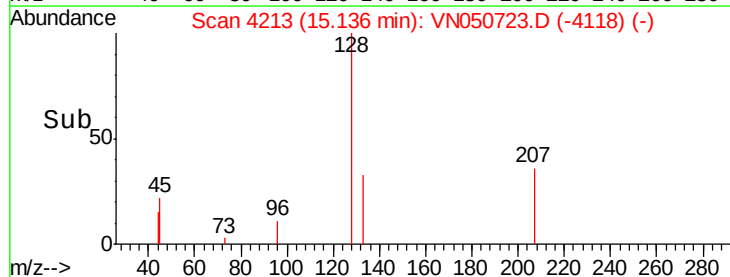
Tgt Ion:128 Resp: 1288
 Ion Ratio Lower Upper
 128 100
 127 7.6 10.3 15.5#
 129 0.0 8.5 12.7#

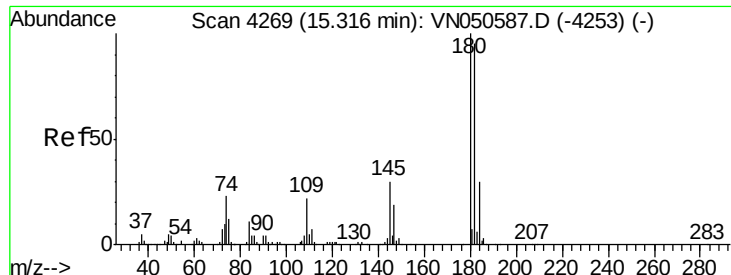


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time--> 15.10 15.15

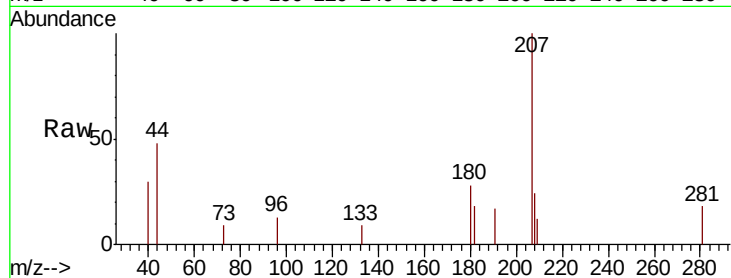




#96
 1,2,3-Trichlorobenzene
 Concen: 2.06 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: VN050723.D
 Acq: 17 Aug 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.7	47.3	141.8
145	15.0	14.6	44.0



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

