

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053075.D
 Acq On : 21 Dec 2018 00:22
 Operator : MD\SY
 Sample : J6519-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 02:38:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

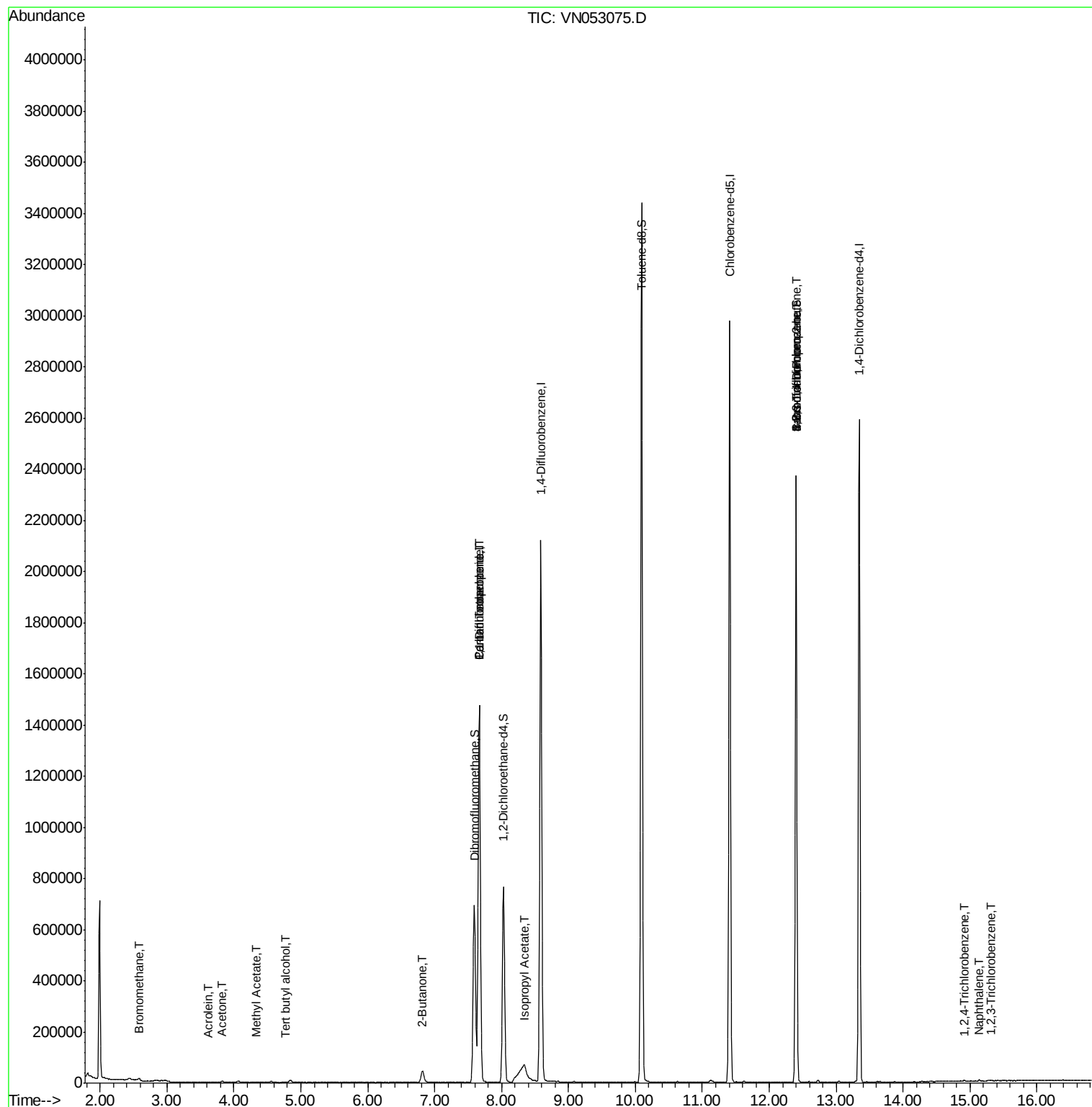
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1314223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2012411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1808228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	741046	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	631837	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
35) Dibromofluoromethane	7.59	113	543431	59.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.24%	
50) Toluene-d8	10.09	98	2463345	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	819970	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.58	94	4658	0.412	ug/l	100
11) Tert butyl alcohol	4.77	59	661	0.812	ug/l #	74
13) Acrolein	3.62	56	298	0.404	ug/l #	41
16) Acetone	3.82	43	10397	3.976	ug/l	96
18) Methyl Acetate	4.33	43	3287	1.263	ug/l #	63
25) 2-Butanone	6.82	43	2178	0.496	ug/l #	49
31) Cyclohexane	7.66	56	20747	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	85742	4.439	ug/l #	48
38) Carbon Tetrachloride	7.67	117	113107	6.389	ug/l #	15
43) Isopropyl Acetate	8.34	43	199017	8.674	ug/l #	53
71) Bromoform	12.40	173	4861	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	380244	30.481	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	380244	98.244	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	1593	0.714	ug/l	92
94) Hexachlorobutadiene	15.02	225	313	Below Cal	#	64
95) Naphthalene	15.14	128	4930	1.312	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	1739	0.652	ug/l	80

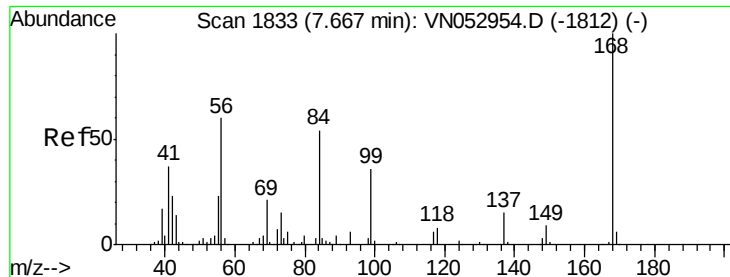
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

Instrument :

MSVOA_N

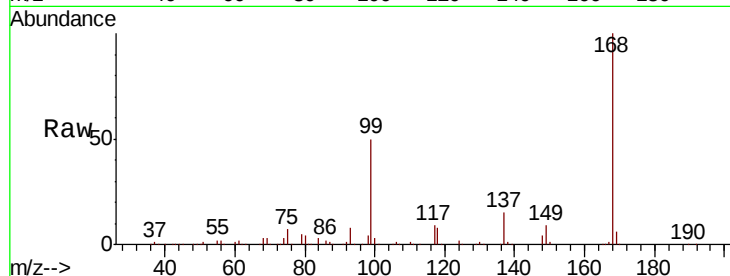
ClientSampleId :

Tot Ion:168 Resp: 1314223

Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

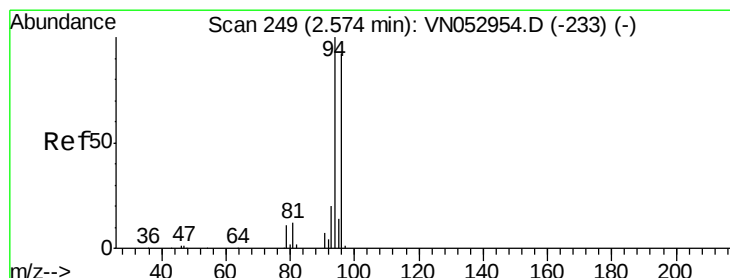
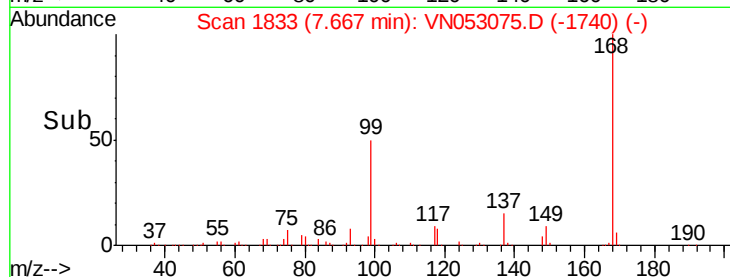
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.412 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053075.D

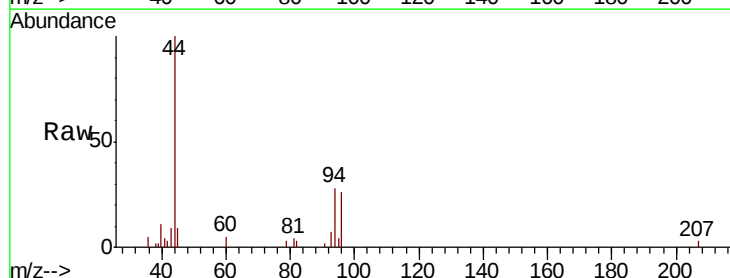
Acq: 21 Dec 2018 00:22

Tgt Ion: 94 Resp: 4658

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2500

2000

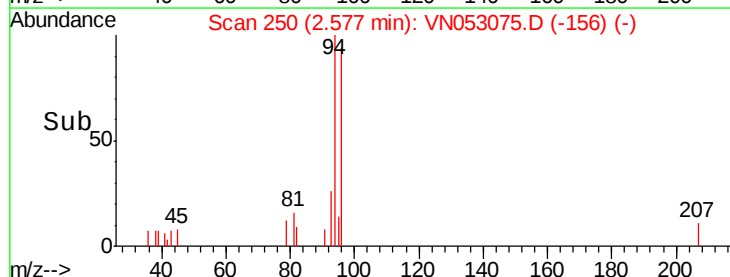
1500

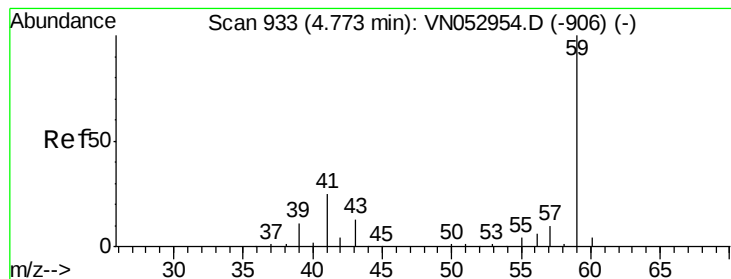
1000

500

0

Time-->



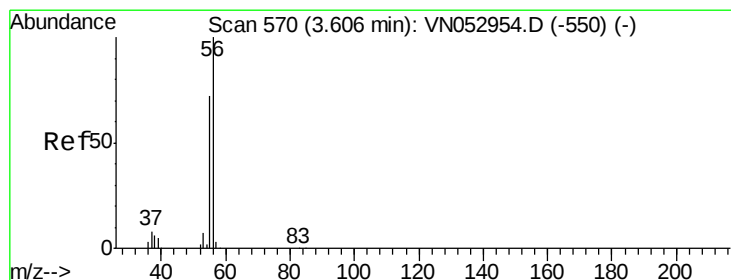
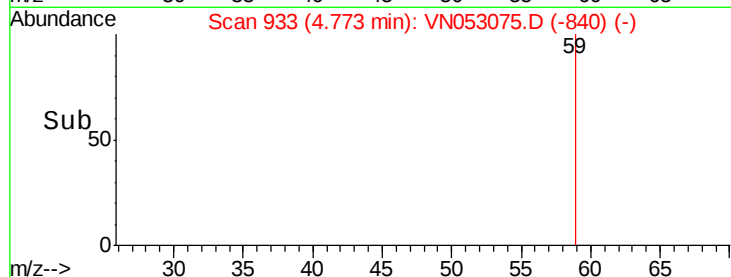
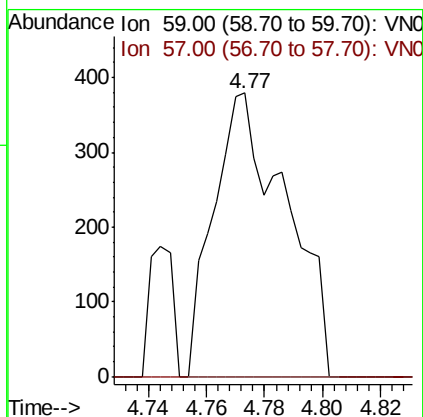
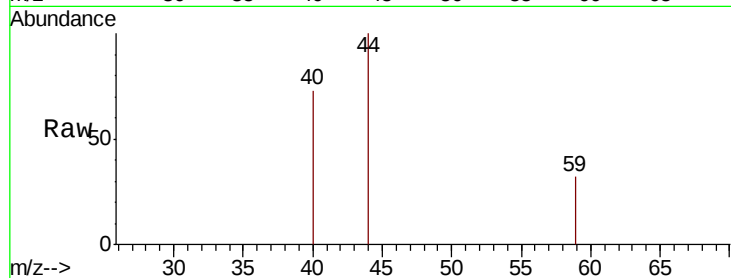


#11

Tert butyl alcohol
Concen: 0.812 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053075.D
Acq: 21 Dec 2018 00:22

Instrument :
MSVOA_N
ClientSampled :

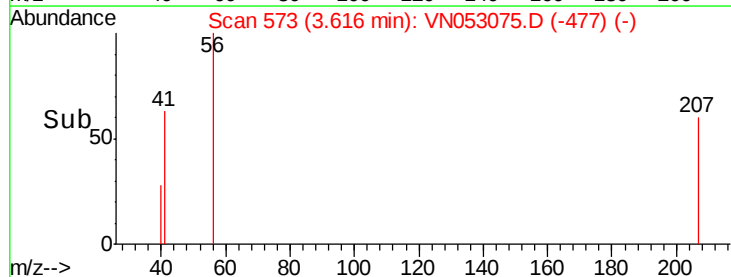
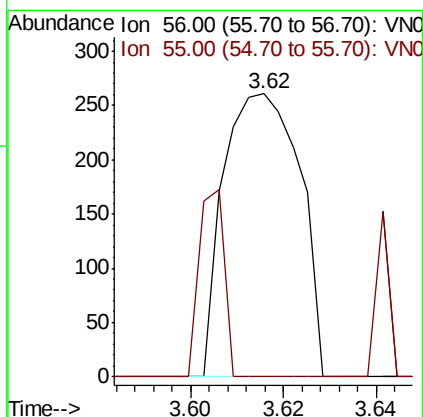
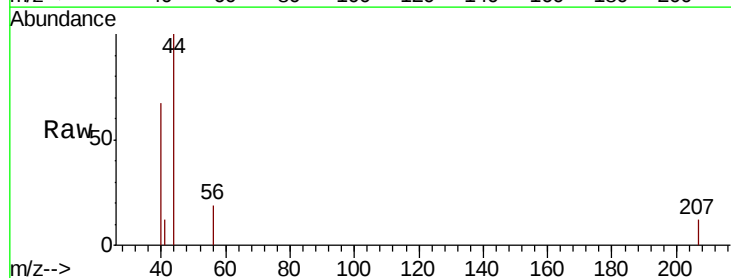
Tot Ion: 59 Resp: 661
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

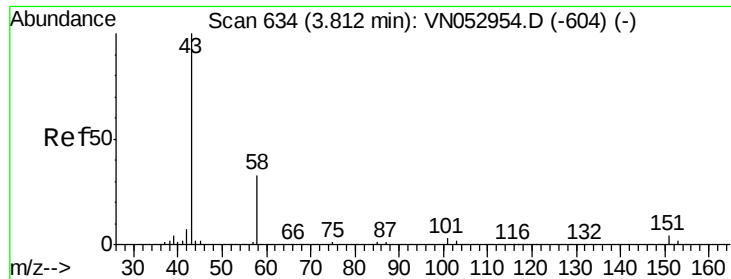


#13

Acrolein
Concen: 0.404 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN053075.D
Acq: 21 Dec 2018 00:22

Tgt Ion: 56 Resp: 298
Ion Ratio Lower Upper
56 100
55 21.8 56.6 85.0#





#16

Acetone

Concen: 3.976 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

Instrument :

MSVOA_N

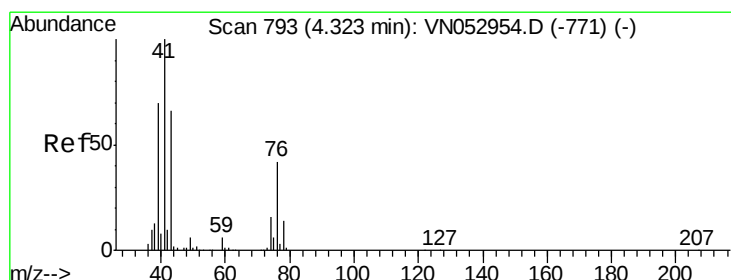
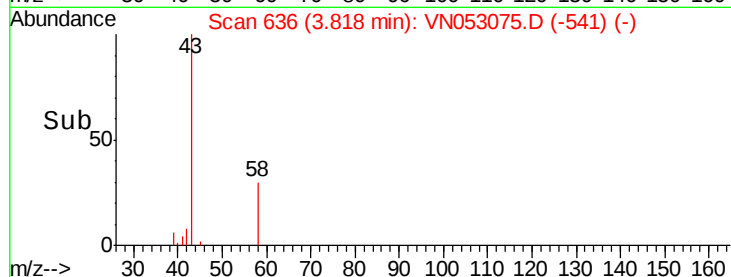
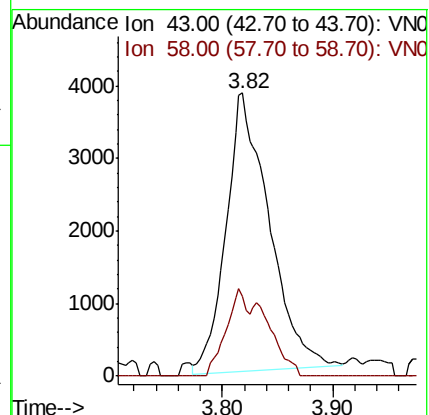
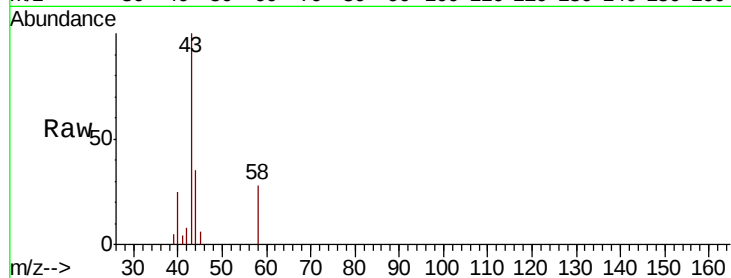
ClientSampled :

Tot Ion: 43 Resp: 10397

Ion Ratio Lower Upper

43 100

58 29.4 25.4 38.0



#18

Methyl Acetate

Concen: 1.263 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053075.D

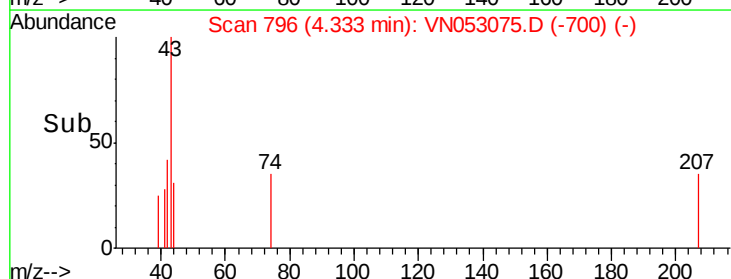
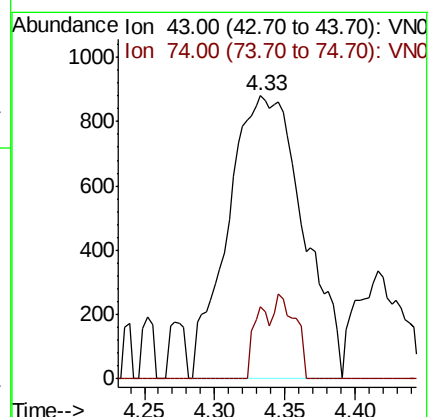
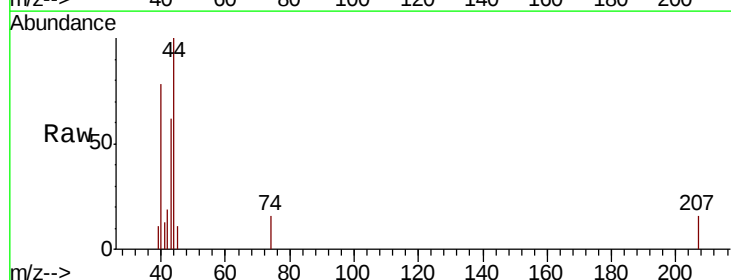
Acq: 21 Dec 2018 00:22

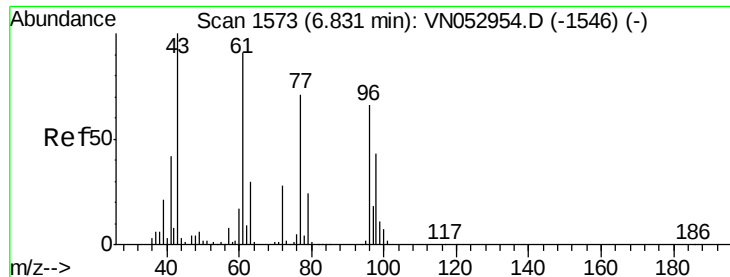
Tgt Ion: 43 Resp: 3287

Ion Ratio Lower Upper

43 100

74 5.5 19.2 28.8#





#25

2-Butanone

Concen: 0.496 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

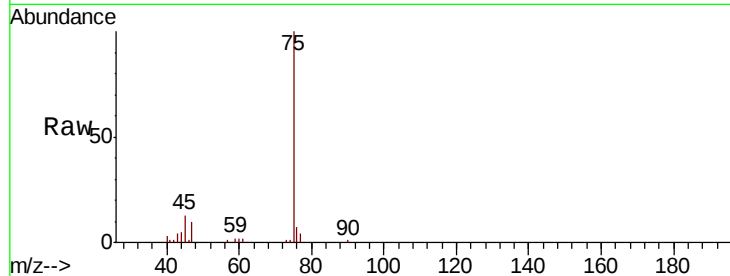
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2178

Ion Ratio Lower Upper

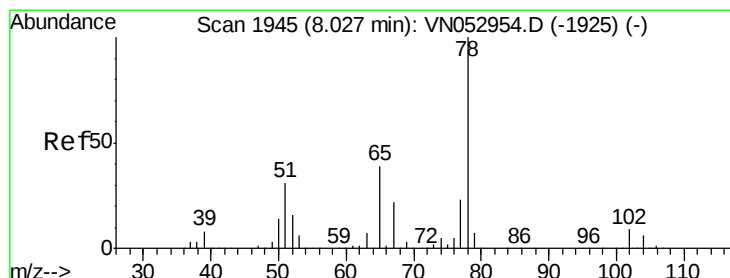
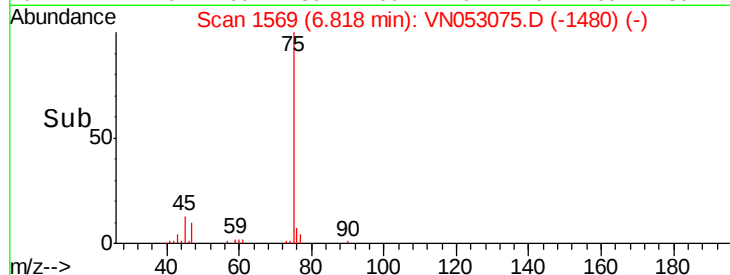
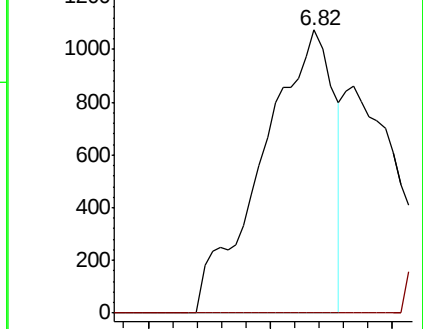
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053075.D

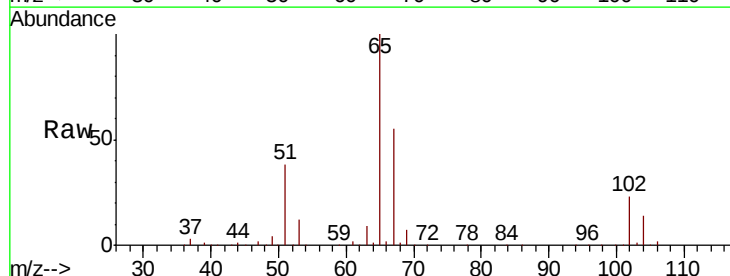
Acq: 21 Dec 2018 00:22

Tgt Ion: 65 Resp: 631837

Ion Ratio Lower Upper

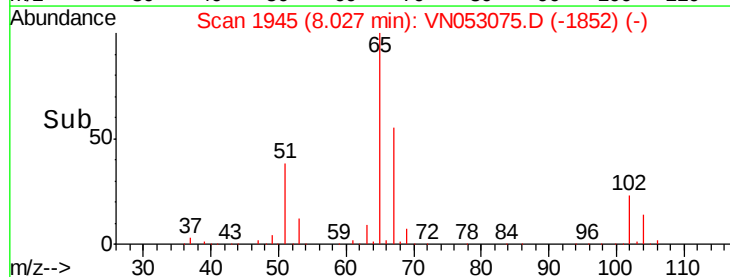
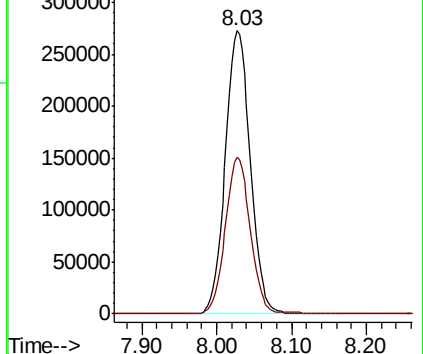
65 100

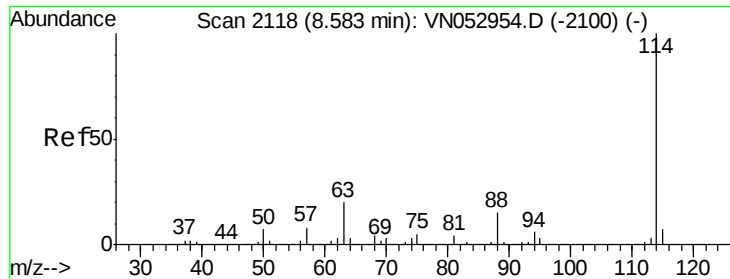
67 55.1 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

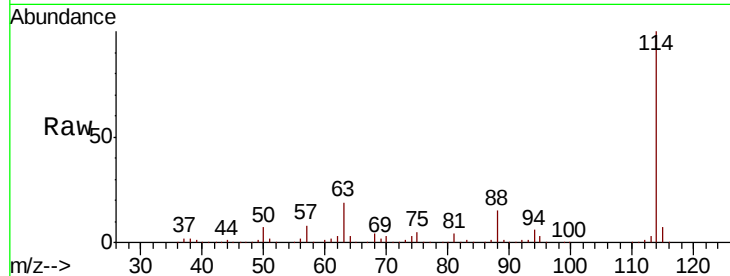




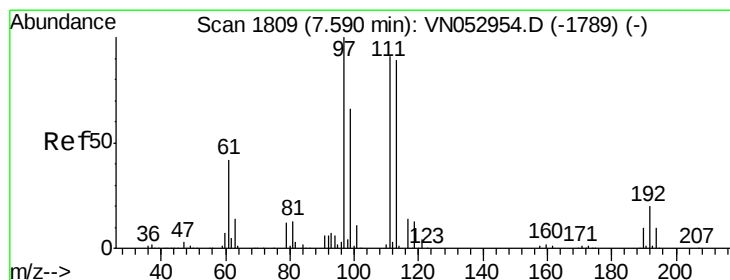
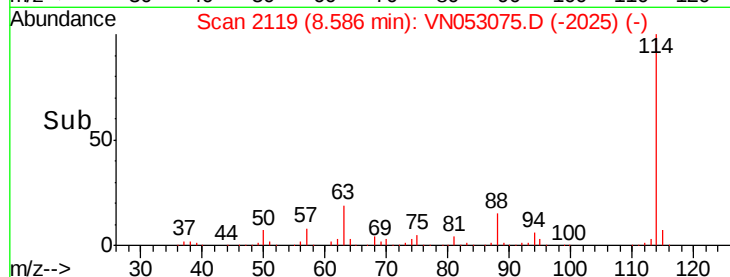
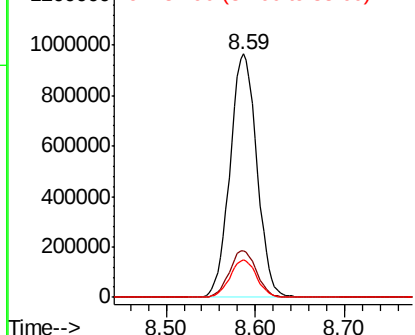
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053075.D
 Acq: 21 Dec 2018 00:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2012411
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.2 0.0 31.0

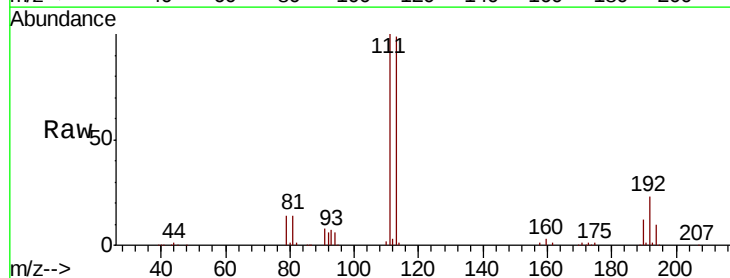


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

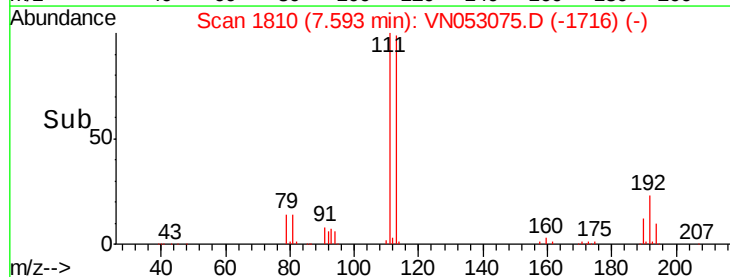
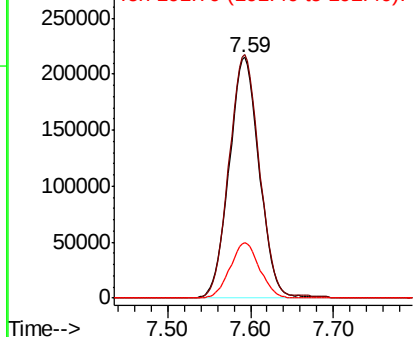


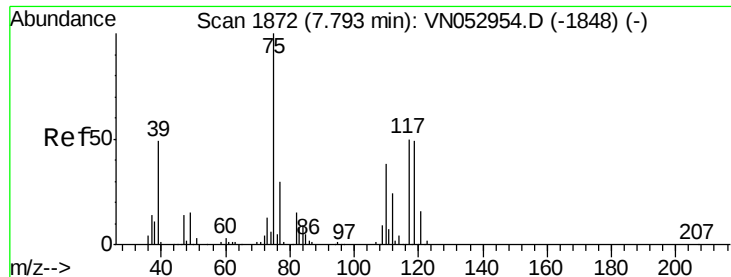
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053075.D
 Acq: 21 Dec 2018 00:22

Tgt Ion:113 Resp: 543431
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.0 124.4
 192 22.5 17.5 26.3



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: 4.439 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

Instrument :
MSVOA_N
ClientSampled :

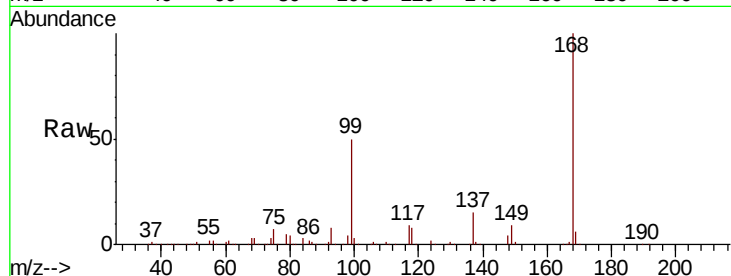
Tot Ion: 75 Resp: 85742

Ion Ratio Lower Upper

75 100

110 8.3 18.2 54.6#

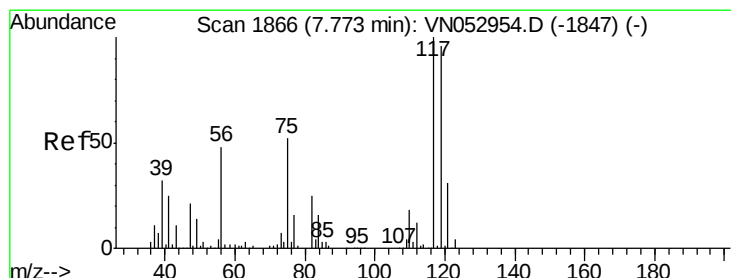
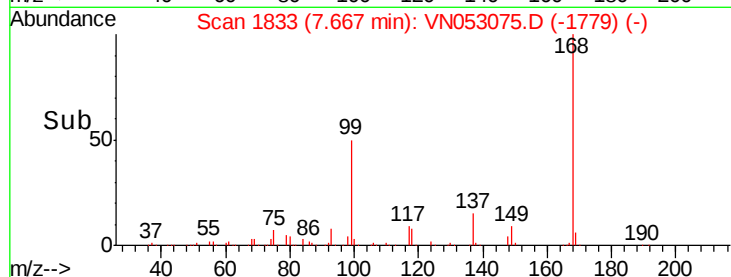
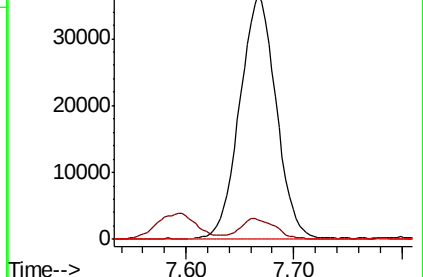
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN053075.D (-1773) (-)

Ion 109.90 (109.60 to 110.60): VN053075.D (-1773) (-)

Ion 76.90 (76.60 to 77.60): VN053075.D (-1773) (-)



#38

Carbon Tetrachloride

Concen: 6.389 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

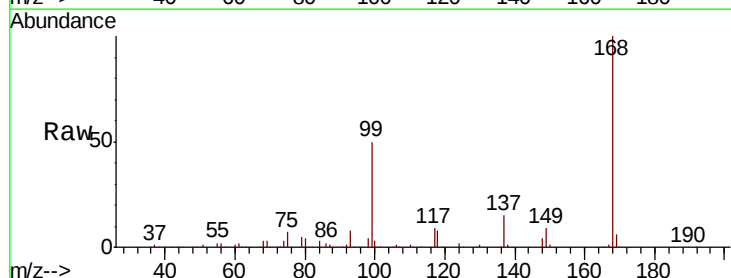
Tgt Ion: 117 Resp: 113107

Ion Ratio Lower Upper

117 100

119 4.7 77.1 115.7#

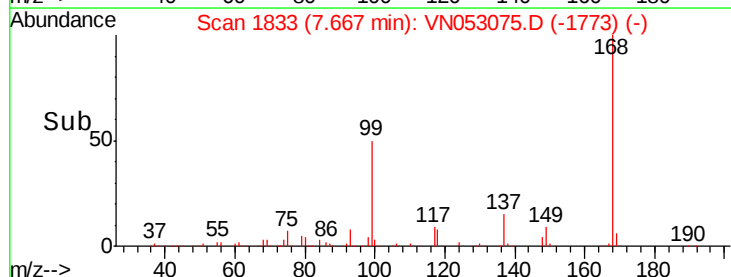
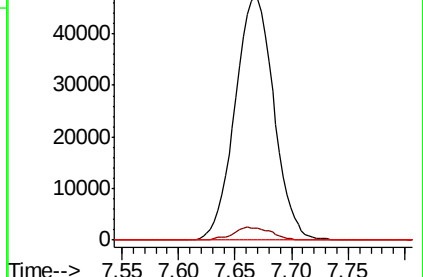
121 0.0 24.9 37.3#

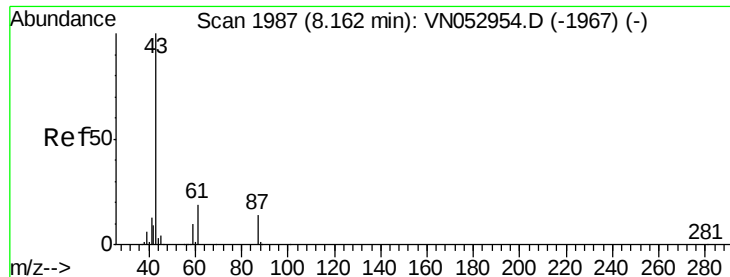


Abundance Ion 116.80 (116.50 to 117.50): VN053075.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053075.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053075.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 8.674 ug/l

RT: 8.34 min Scan# 2041

Delta R.T. 0.17 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

Instrument :
MSVOA_N
ClientSampleId :

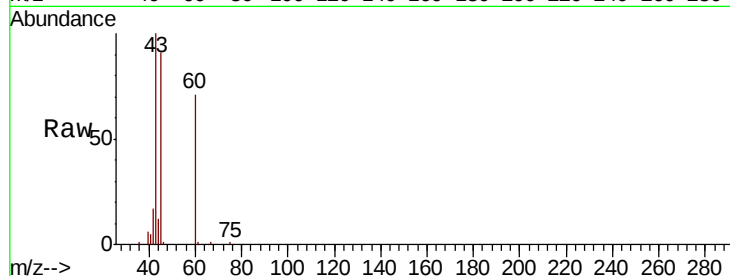
Tot Ion: 43 Resp: 199017

Ion Ratio Lower Upper

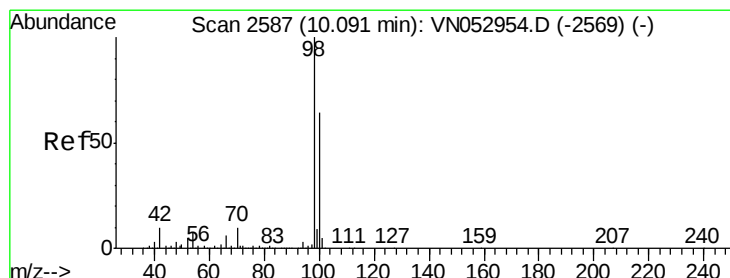
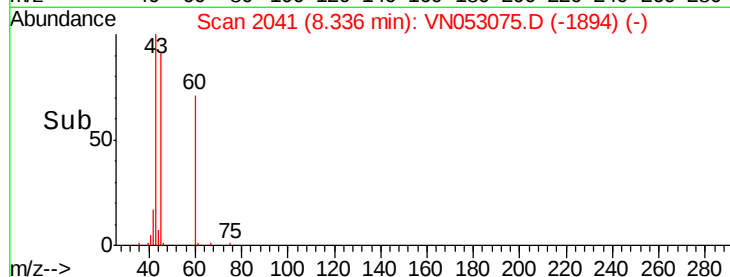
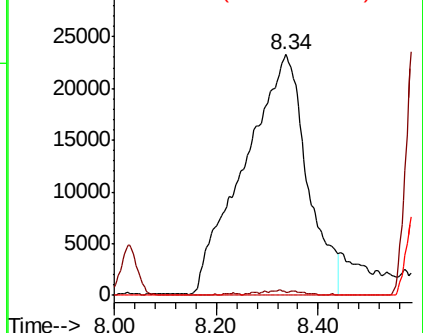
43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



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: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053075.D

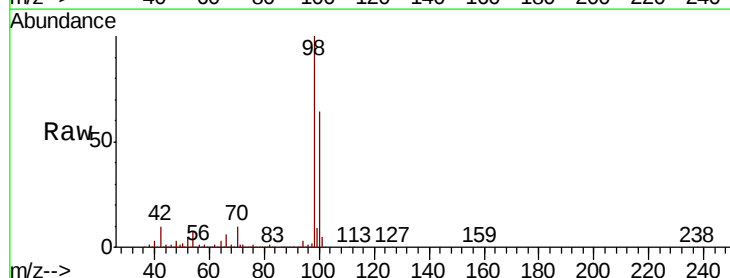
Acq: 21 Dec 2018 00:22

Tgt Ion: 98 Resp: 2463345

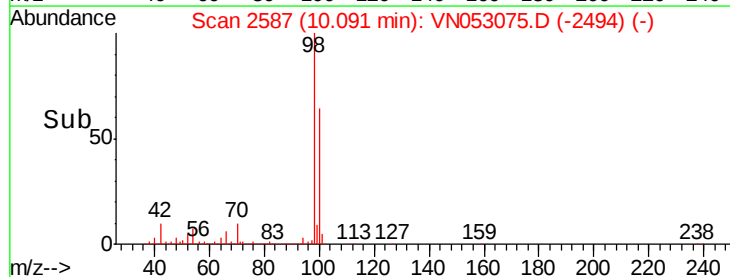
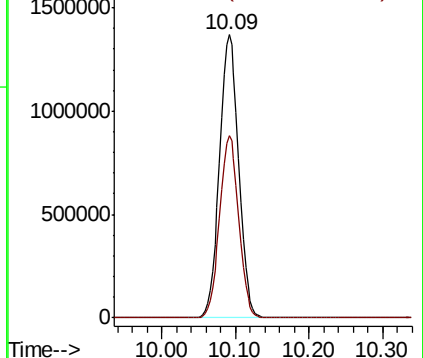
Ion Ratio Lower Upper

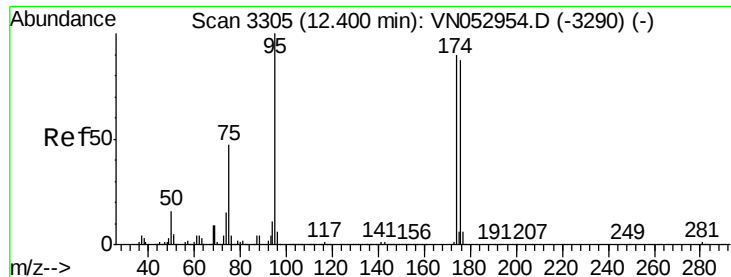
98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

Instrument :

MSVOA_N

ClientSampleId :

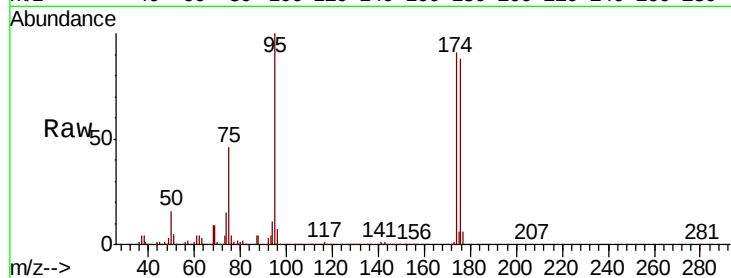
Tot Ion: 95 Resp: 819970

Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.8

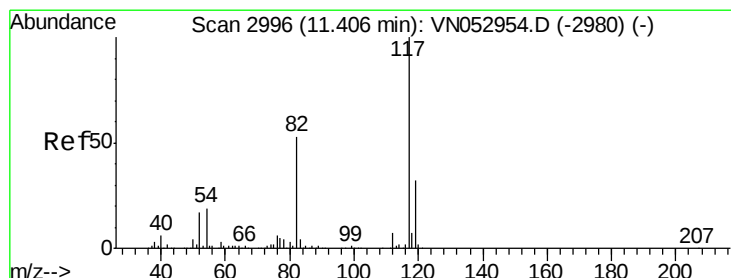
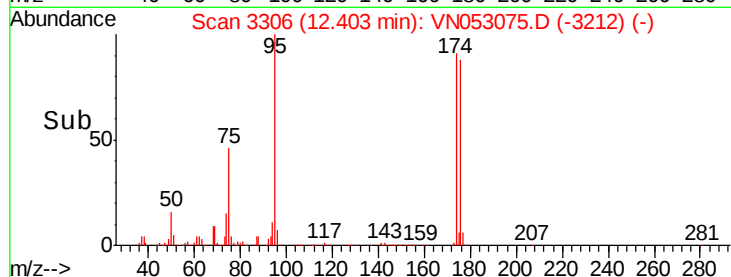
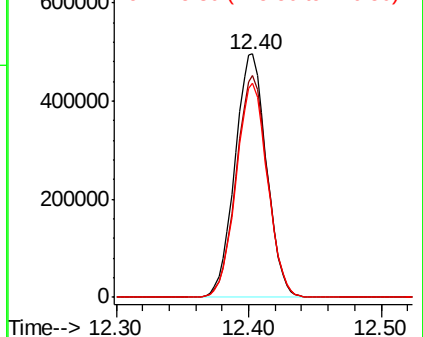
176 87.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

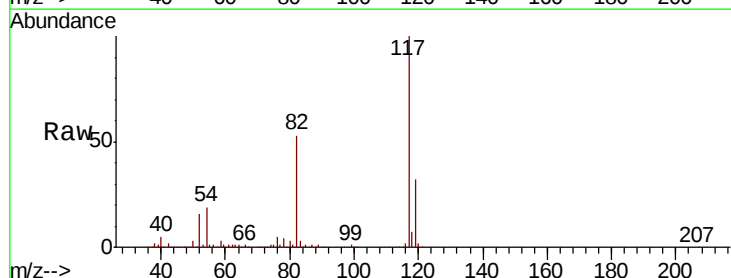
Tgt Ion: 117 Resp: 1808228

Ion Ratio Lower Upper

117 100

82 52.9 42.8 64.2

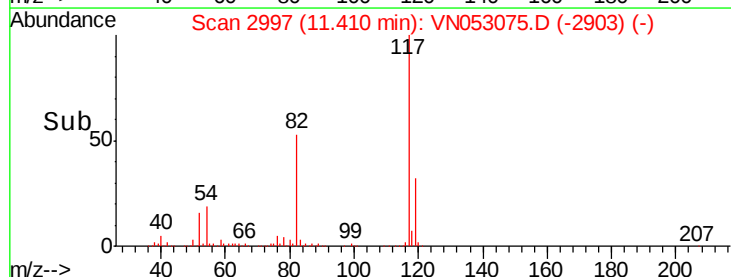
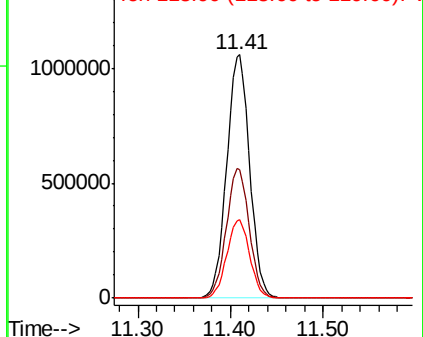
119 32.3 25.5 38.3

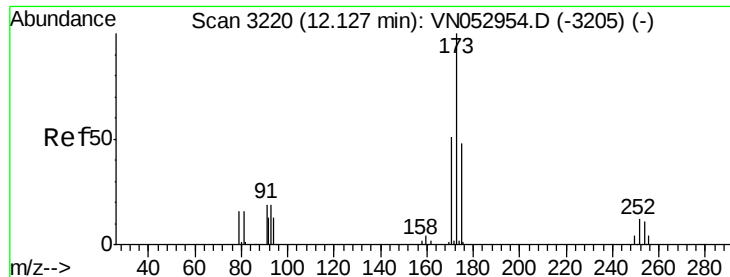


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.483 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

Instrument :

MSVOA_N

ClientSampleId :

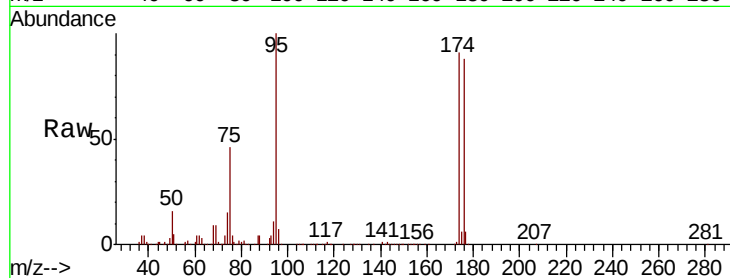
Tot Ion:173 Resp: 4861

Ion Ratio Lower Upper

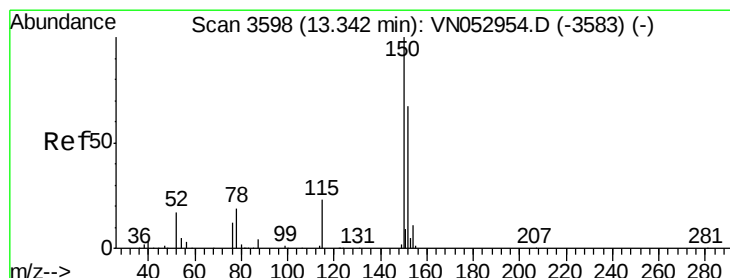
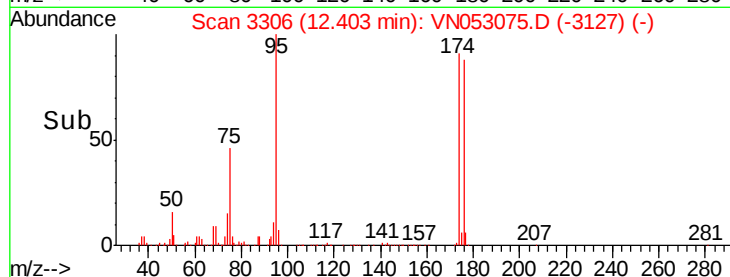
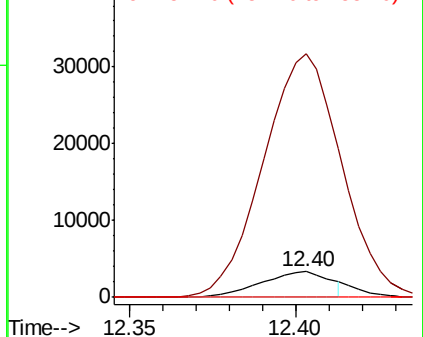
173 100

175 933.5 24.3 72.9#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

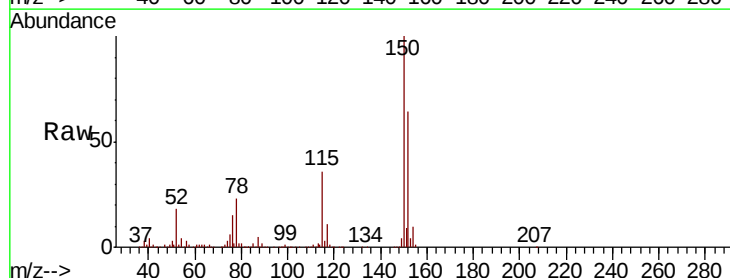
Tgt Ion:152 Resp: 741046

Ion Ratio Lower Upper

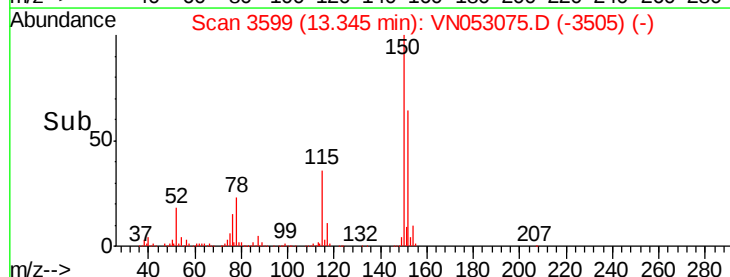
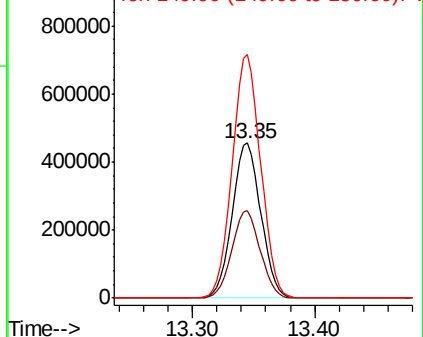
152 100

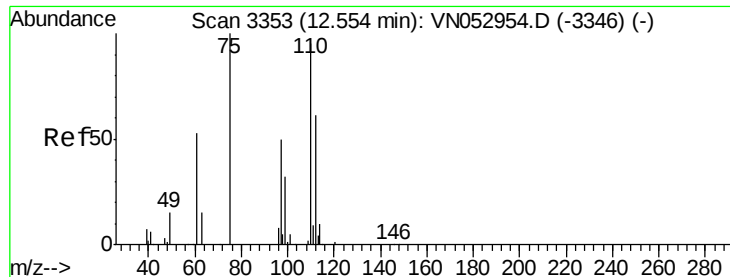
115 56.1 28.3 85.0

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





#76

1,2,3-Trichloropropane

Concen: 30.481 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

Instrument :

MSVOA_N

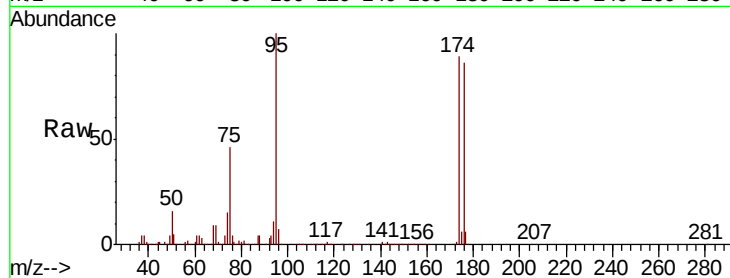
ClientSampled :

Tot Ion: 75 Resp: 380244

Ion Ratio Lower Upper

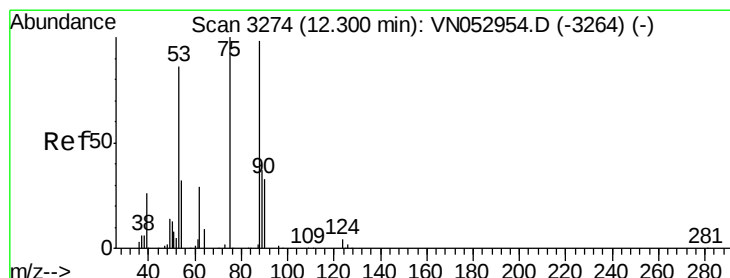
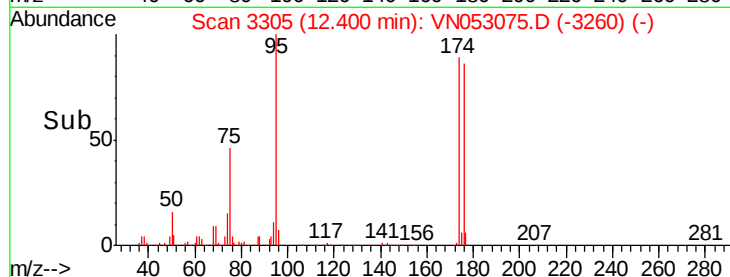
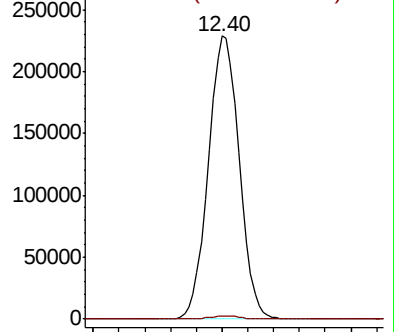
75 100

77 1.2 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: 98.244 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

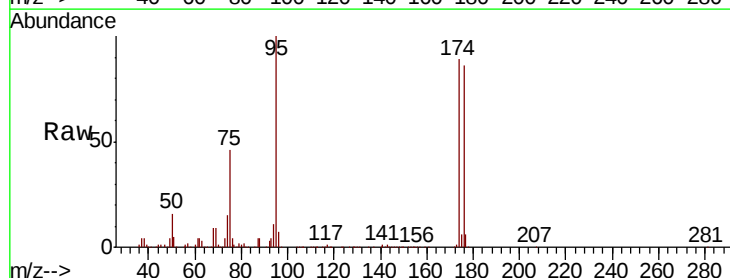
Tgt Ion: 75 Resp: 380244

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

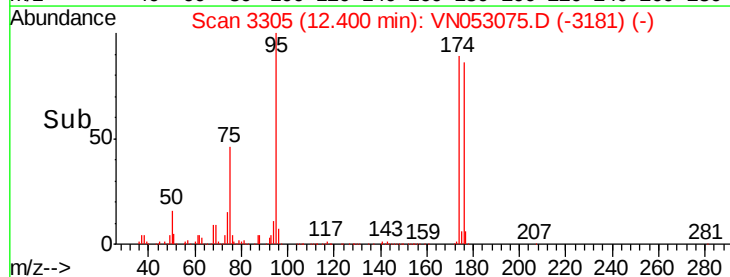
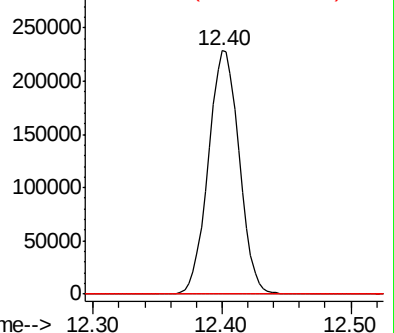
89 0.0 36.1 54.1#

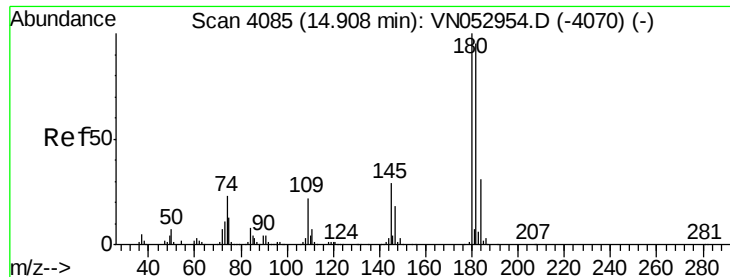


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

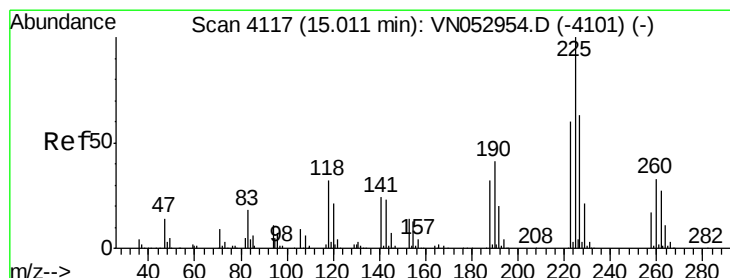
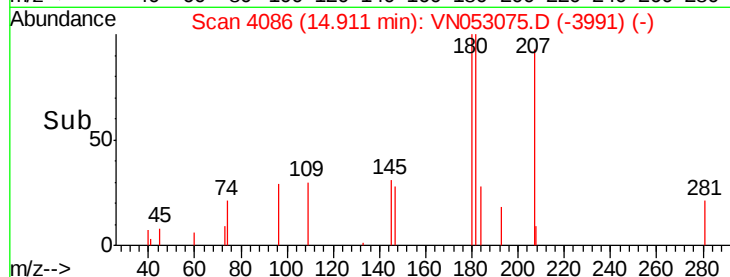
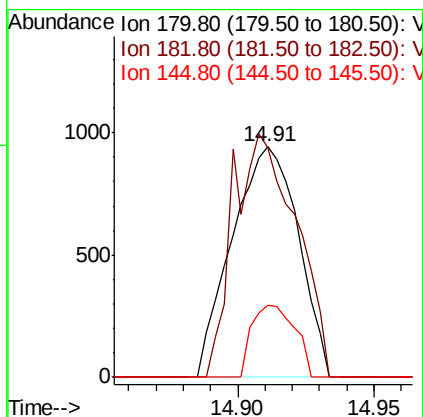
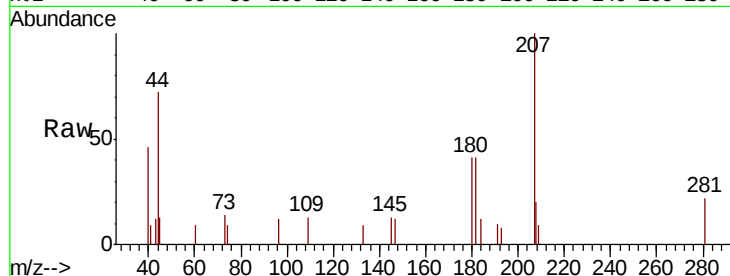




#93
 1,2,4-Trichlorobenzene
 Concen: 0.714 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053075.D
 Acq: 21 Dec 2018 00:22

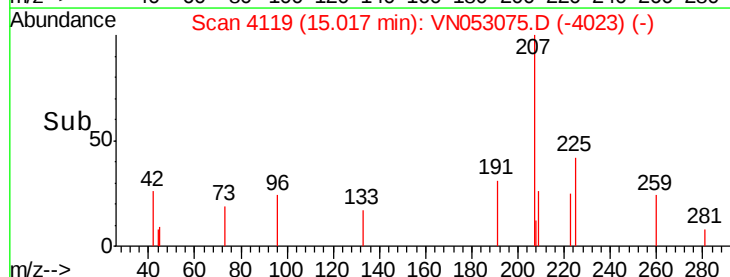
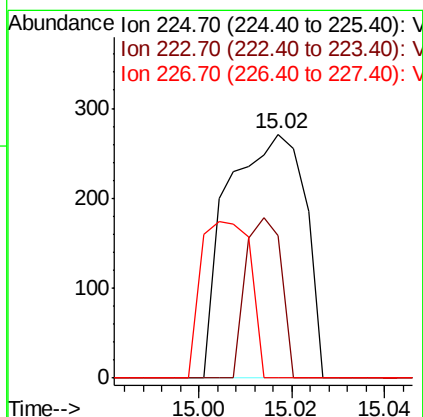
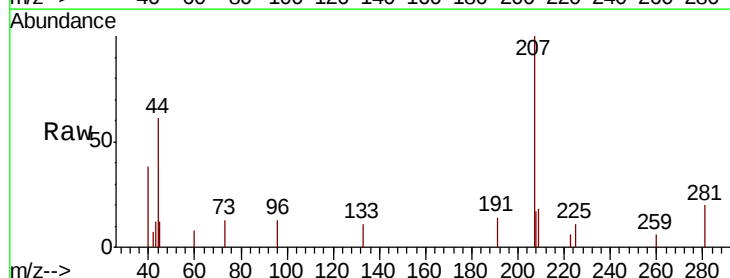
Instrument :
 MSVOA_N
 ClientSampled :

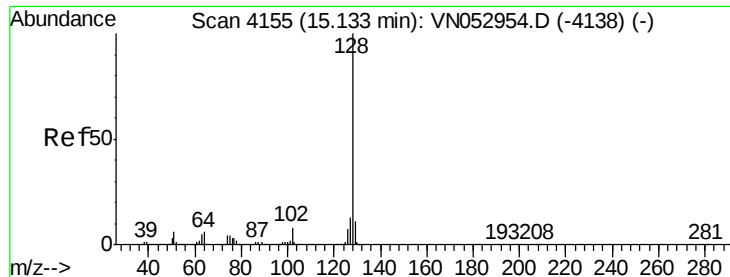
Tot Ion:180 Resp: 1593
 Ion Ratio Lower Upper
 180 100
 182 100.7 47.8 143.3
 145 20.1 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN053075.D
 Acq: 21 Dec 2018 00:22

Tgt Ion:225 Resp: 313
 Ion Ratio Lower Upper
 225 100
 223 30.4 31.5 94.5#
 227 40.9 31.9 95.7





#95

Naphthalene

Concen: 1.312 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

Instrument :

MSVOA_N

ClientSampleId :

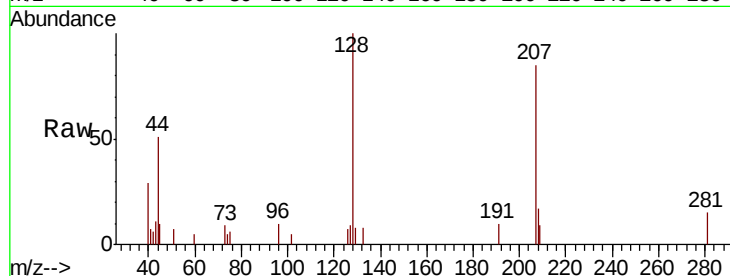
Tot Ion:128 Resp: 4930

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.4

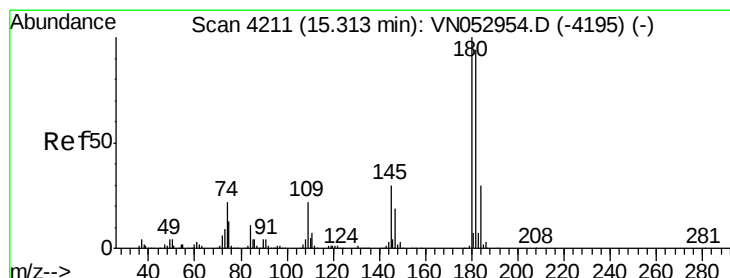
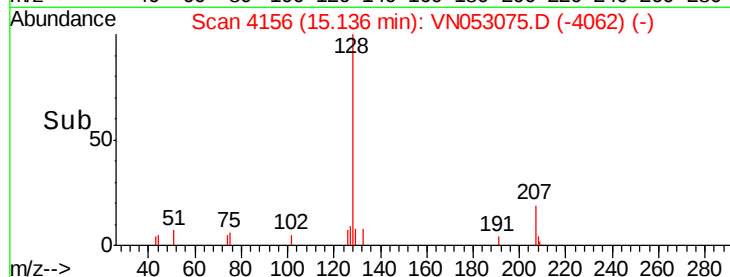
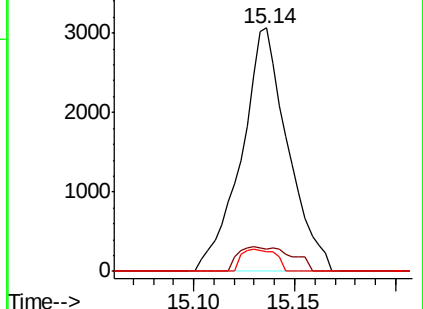
129 6.6 8.6 13.0#



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: 0.652 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN053075.D

Acq: 21 Dec 2018 00:22

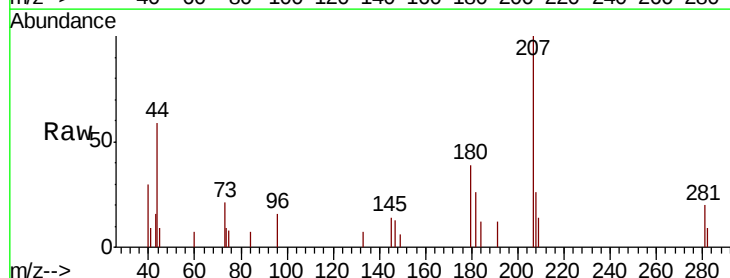
Tgt Ion:180 Resp: 1739

Ion Ratio Lower Upper

180 100

182 69.9 47.9 143.7

145 30.4 15.0 45.0



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

