

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054884.D
 Acq On : 1 Apr 2019 19:27
 Operator : JC/SP
 Sample : K2212-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-03-28-19

Quant Time: Apr 02 04:25:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	504687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	838427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	708014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236667	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	330358	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	265260	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	10.09	98	1011465	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	303421	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	

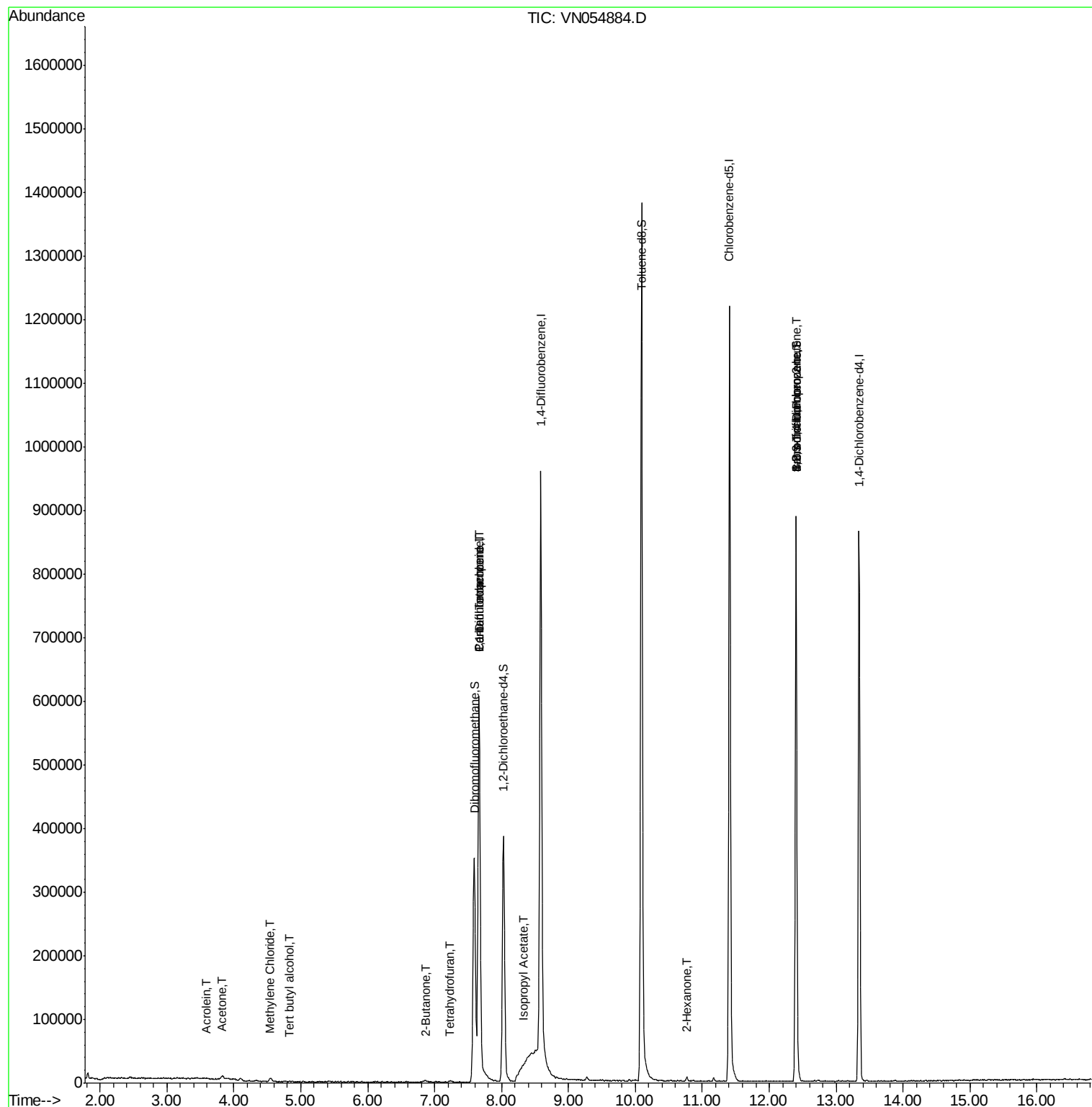
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.59	94	183	Below Cal	#	2
11) Tert butyl alcohol	4.84	59	106	0.299	ug/l #	70
13) Acrolein	3.60	56	102	0.322	ug/l #	60
16) Acetone	3.83	43	9055	5.581	ug/l #	83
18) Methyl Acetate	4.33	43	1989	Below Cal	#	73
20) Methylene Chloride	4.54	84	2002	0.350	ug/l #	72
25) 2-Butanone	6.86	43	1446	0.603	ug/l #	46
29) Tetrahydrofuran	7.22	42	944	0.567	ug/l #	54
31) Cyclohexane	7.66	56	11162	Below Cal	#	37
36) 1,1-Dichloropropene	7.66	75	39799	5.094	ug/l #	47
38) Carbon Tetrachloride	7.67	117	48852	6.438	ug/l #	15
43) Isopropyl Acetate	8.32	43	39033	4.193	ug/l #	60
59) 2-Hexanone	10.76	43	774	0.231	ug/l #	28
71) Bromoform	12.40	173	1412	0.465	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	325	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	155813	37.897	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	155813	147.411	ug/l #	11
83) tert-Butylbenzene	13.00	119	68	Below Cal	#	28

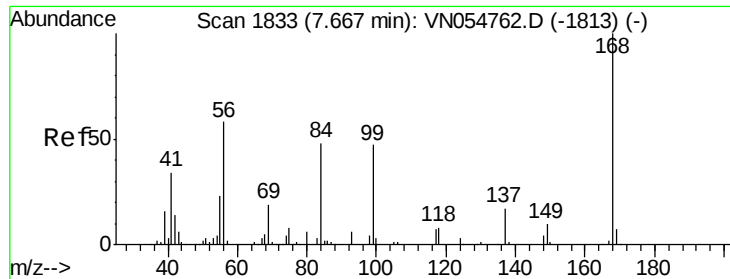
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

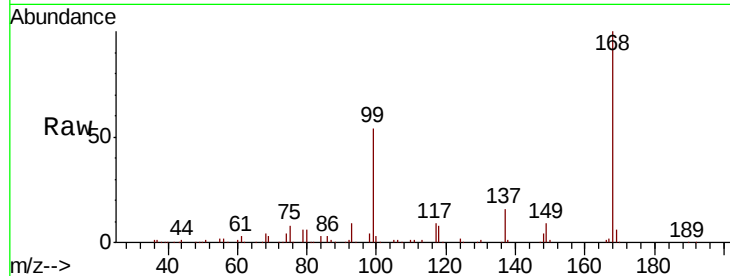
TB-03-28-19

Tot Ion:168 Resp: 504687

Ion Ratio Lower Upper

168 100

99 54.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

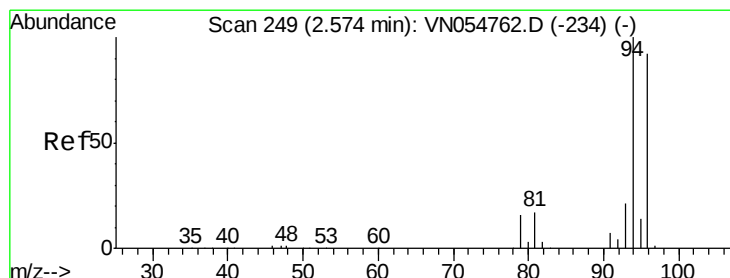
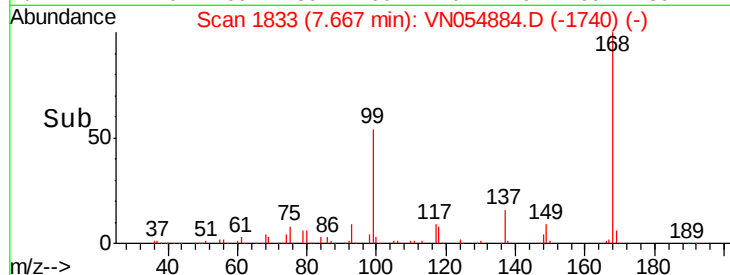
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.59 min Scan# 255

Delta R.T. 0.02 min

Lab File: VN054884.D

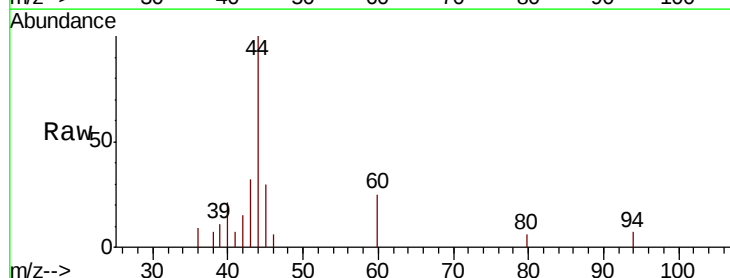
Acq: 1 Apr 2019 19:27

Tgt Ion: 94 Resp: 183

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.59

200

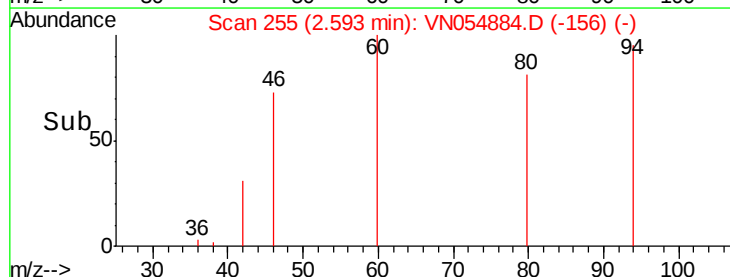
150

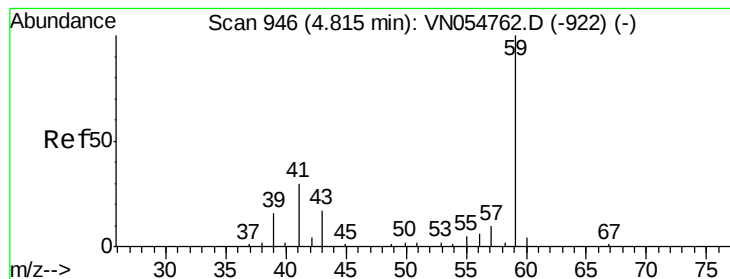
100

50

0

Time-->



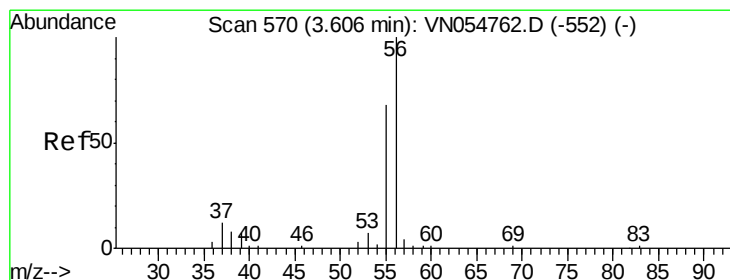
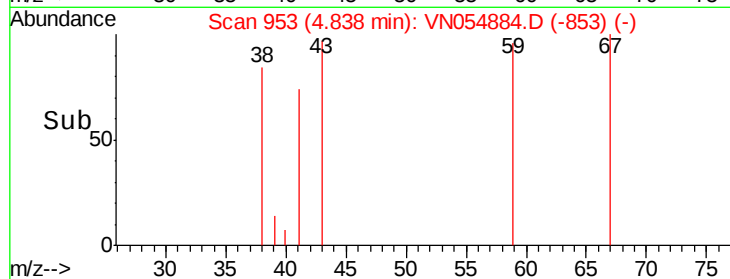
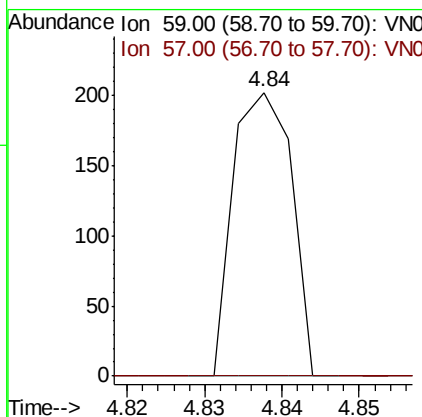
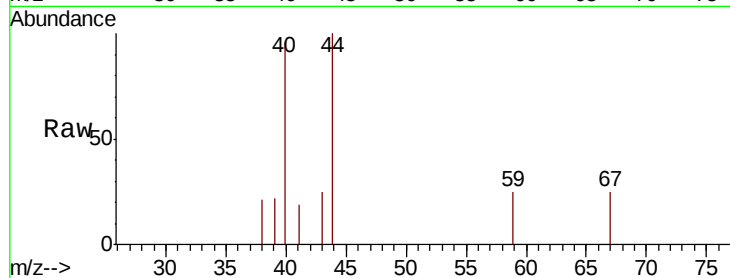


#11

Tert butyl alcohol
 Concen: 0.299 ug/l
 RT: 4.84 min Scan# 953
 Delta R.T. 0.02 min
 Lab File: VN054884.D
 Acq: 1 Apr 2019 19:27

Instrument :
 MSVOA_N
 ClientSampled :
 TB-03-28-19

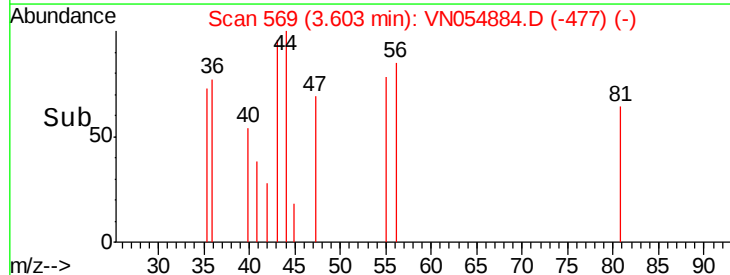
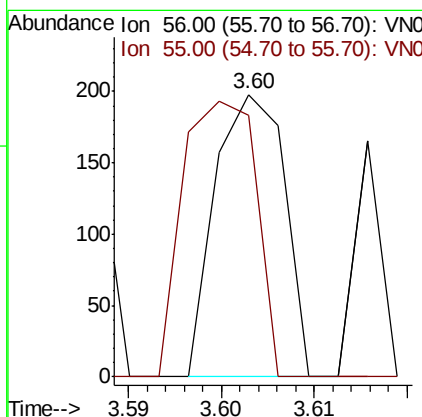
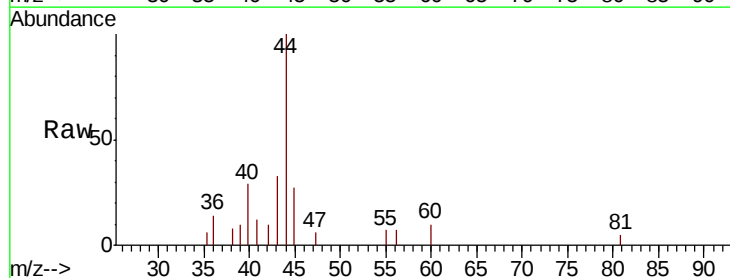
Tot Ion: 59 Resp: 106
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

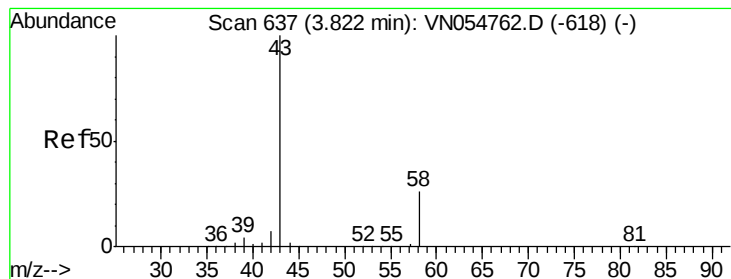


#13

Acrolein
 Concen: 0.322 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN054884.D
 Acq: 1 Apr 2019 19:27

Tgt Ion: 56 Resp: 102
 Ion Ratio Lower Upper
 56 100
 55 103.9 56.7 85.1#





#16

Acetone

Concen: 5.581 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

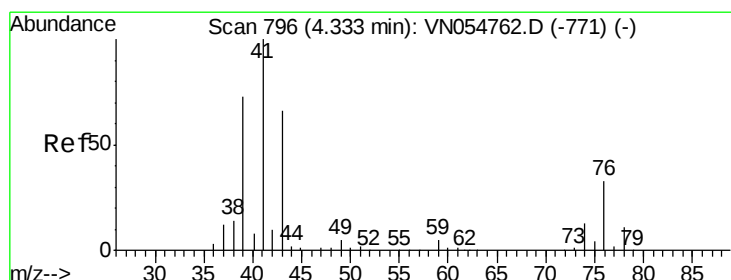
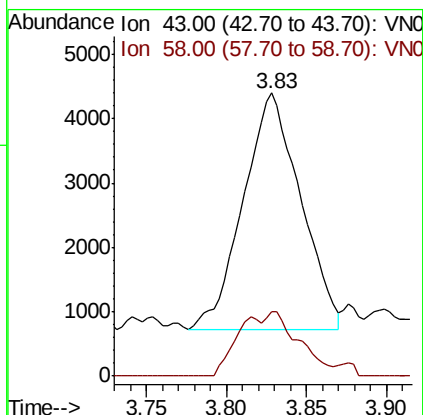
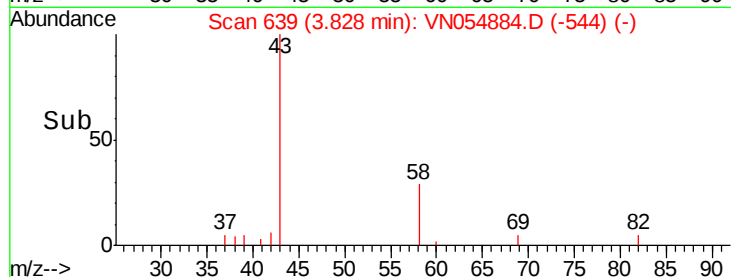
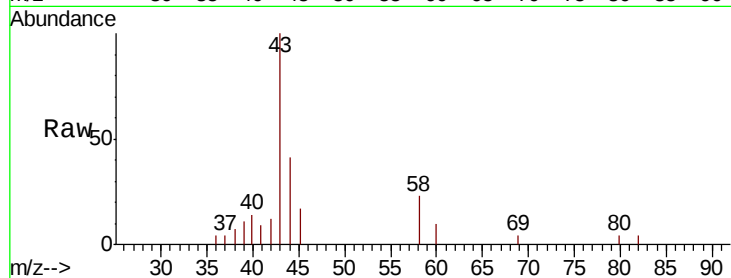
TB-03-28-19

Tot Ion: 43 Resp: 9055

Ion Ratio Lower Upper

43 100

58 27.2 29.9 44.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054884.D

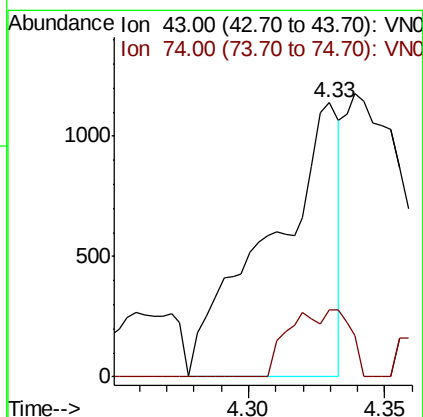
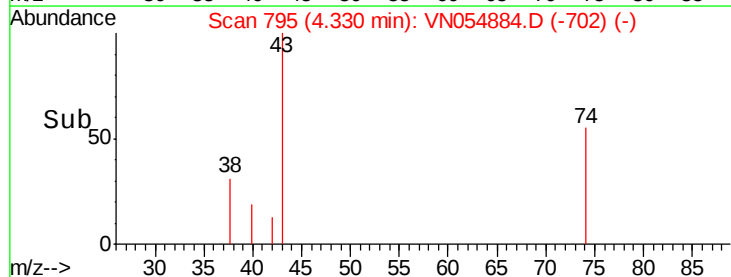
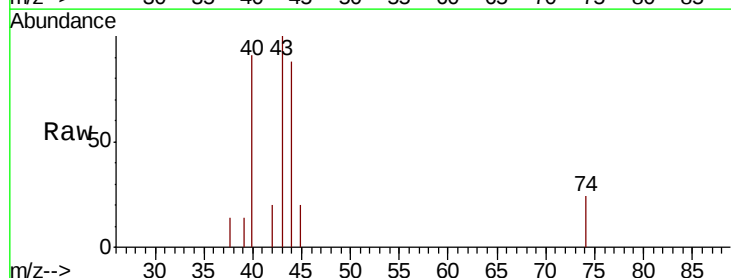
Acq: 1 Apr 2019 19:27

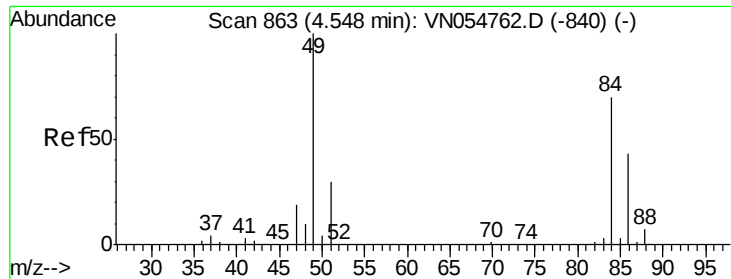
Tgt Ion: 43 Resp: 1989

Ion Ratio Lower Upper

43 100

74 12.5 20.8 31.2#

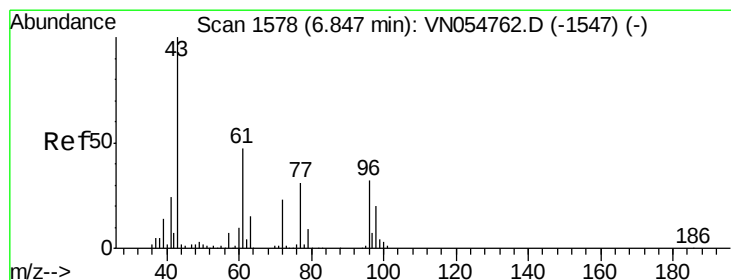
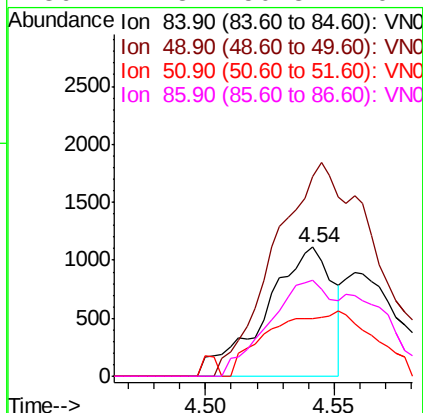
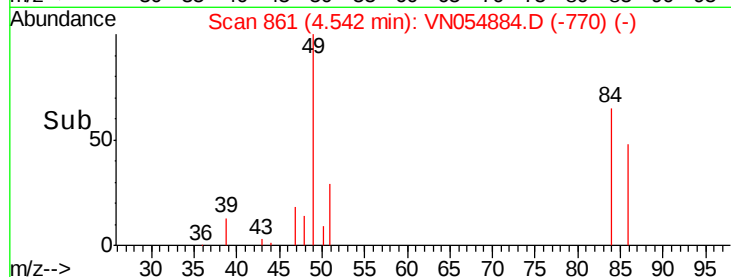
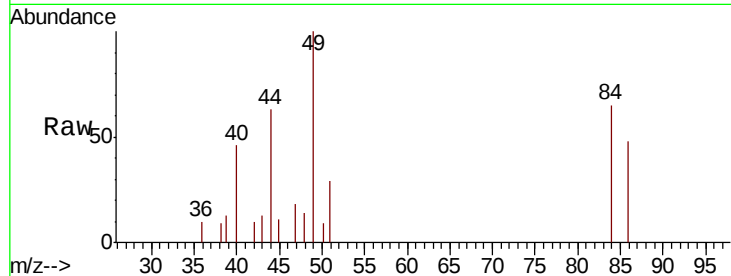




#20
Methvlene Chloride
Concen: 0.350 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054884.D
Acq: 1 Apr 2019 19:27

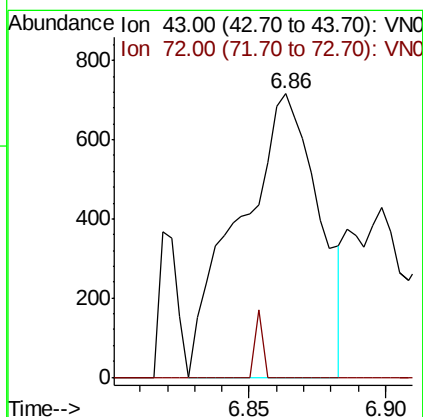
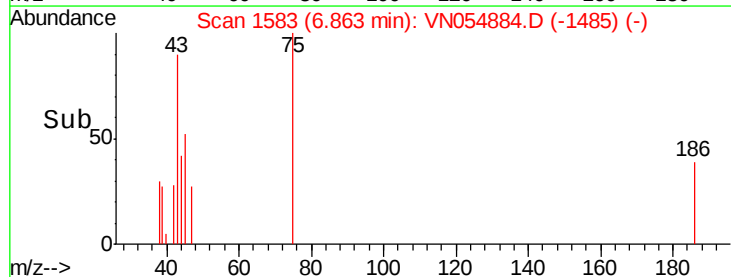
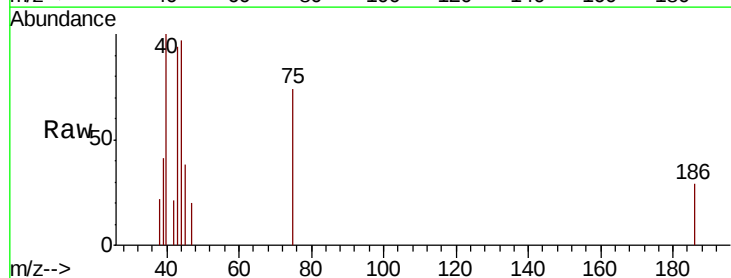
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MSVOA_N
ClientSampled :
TB-03-28-19

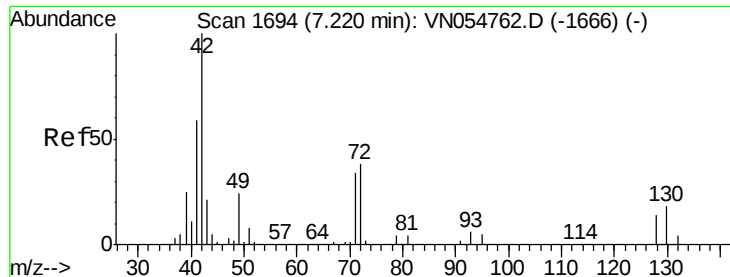
Tot Ion: 84 Resp: 2002
Ion Ratio Lower Upper
84 100
49 154.7 89.7 134.5#
51 44.7 28.2 42.4#
86 74.8 50.8 76.2



#25
2-Butanone
Concen: 0.603 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.02 min
Lab File: VN054884.D
Acq: 1 Apr 2019 19:27

Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#





#29

Tetrahydrofuran

Concen: 0.567 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

TB-03-28-19

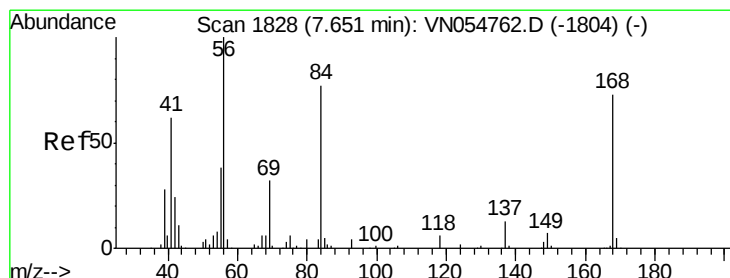
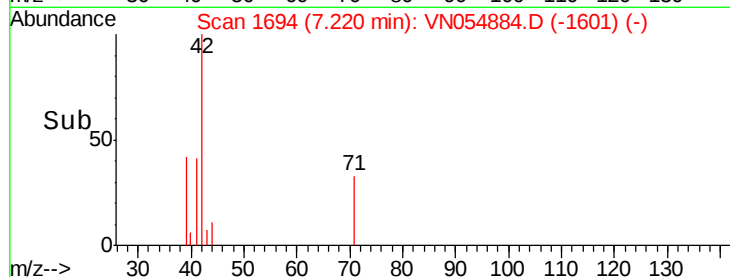
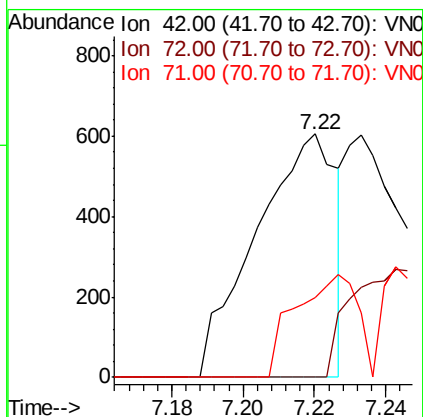
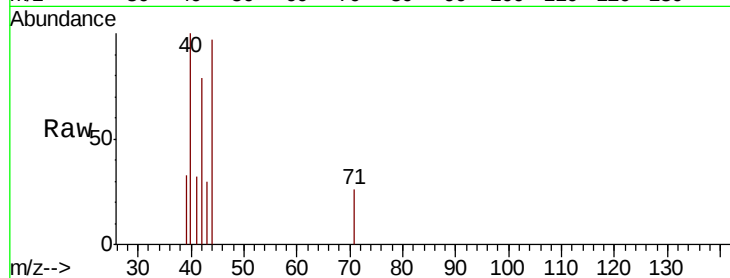
Tot Ion: 42 Resp: 944

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 32.4 36.2 54.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

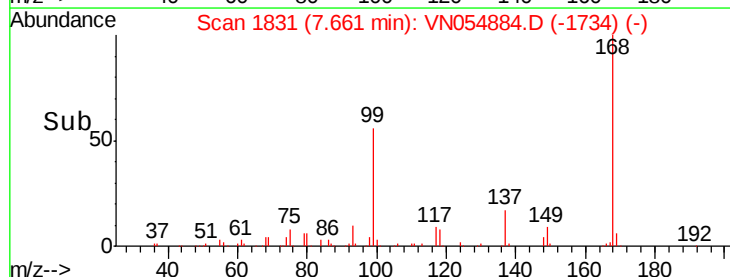
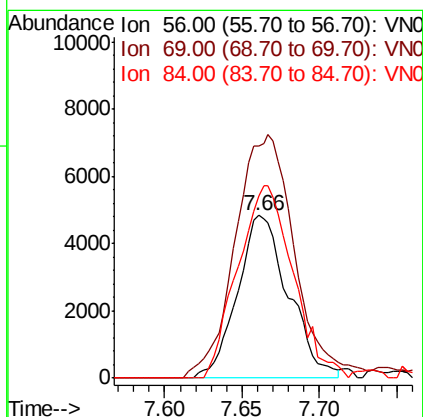
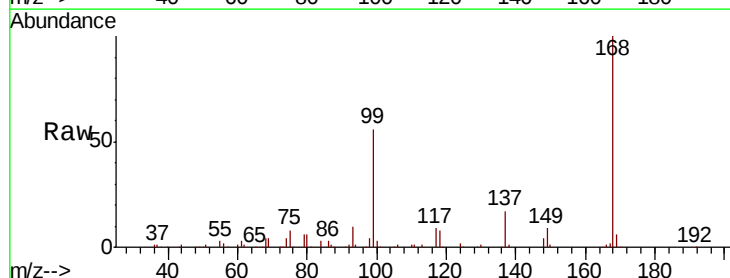
Tgt Ion: 56 Resp: 11162

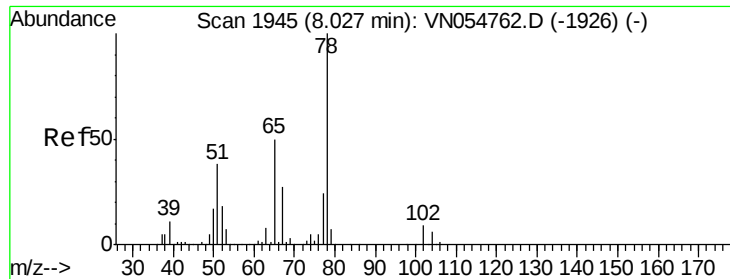
Ion Ratio Lower Upper

56 100

69 138.6 27.8 41.6#

84 112.3 74.6 111.8#

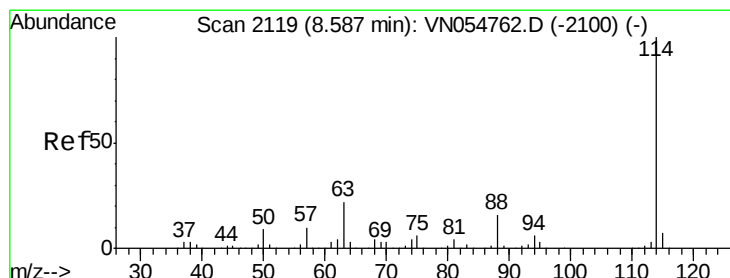
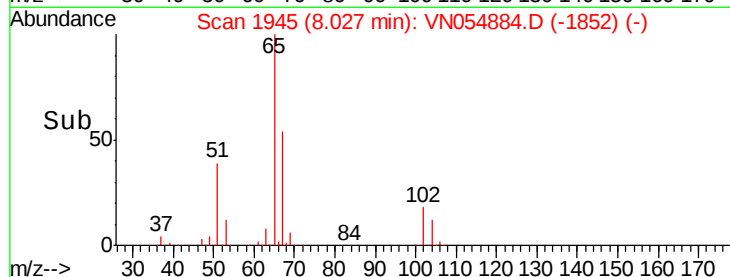
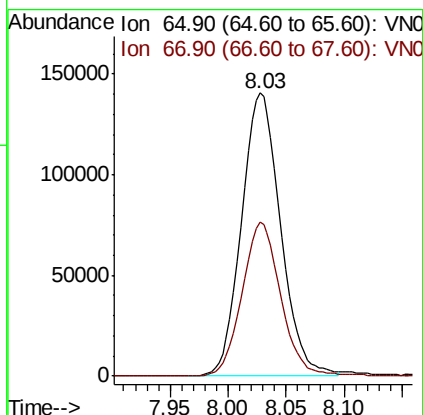
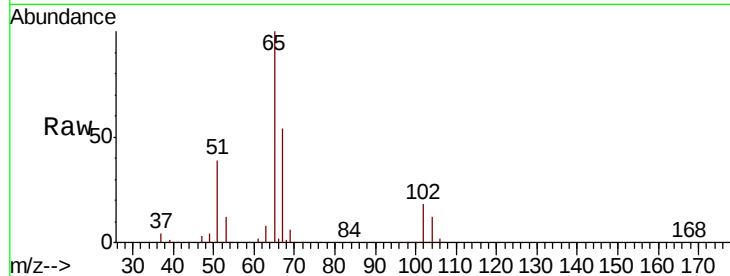




#33
 1,2-Dichloroethane-d4
 Concen: 48.558 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054884.D
 Acq: 1 Apr 2019 19:27

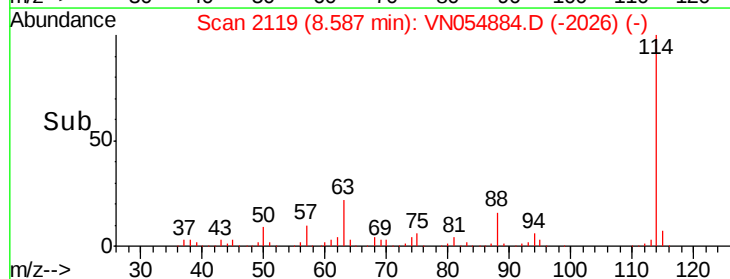
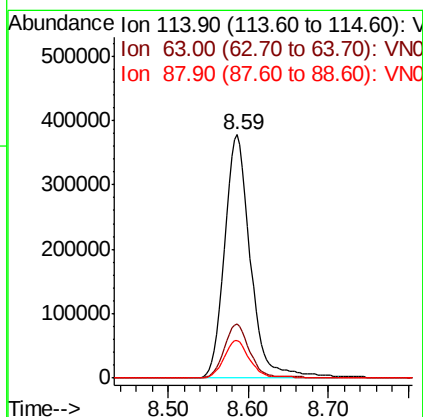
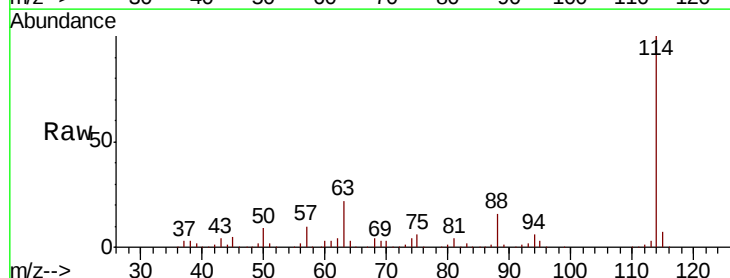
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-03-28-19

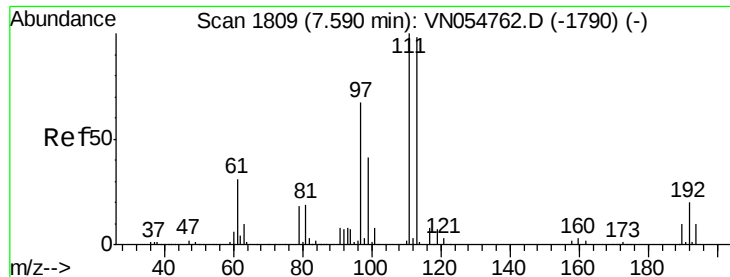
Tot Ion: 65 Resp: 330358
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054884.D
 Acq: 1 Apr 2019 19:27

Tgt Ion: 114 Resp: 838427
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.455 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

TB-03-28-19

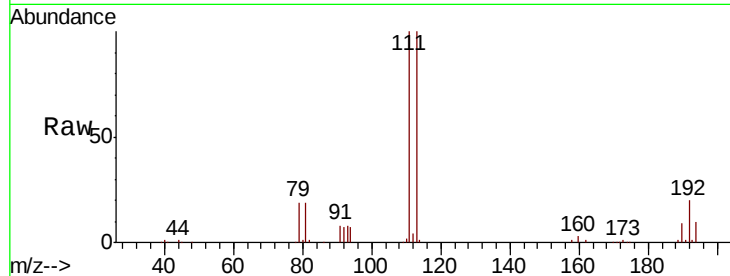
Tot Ion:113 Resp: 265260

Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.4

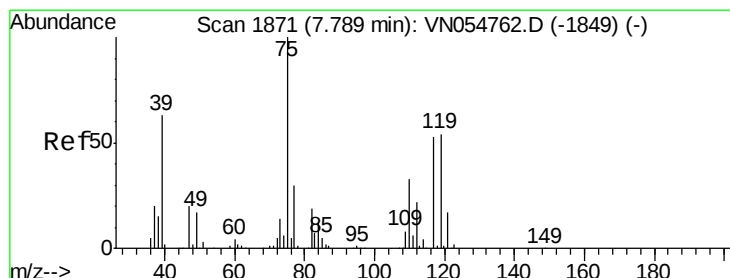
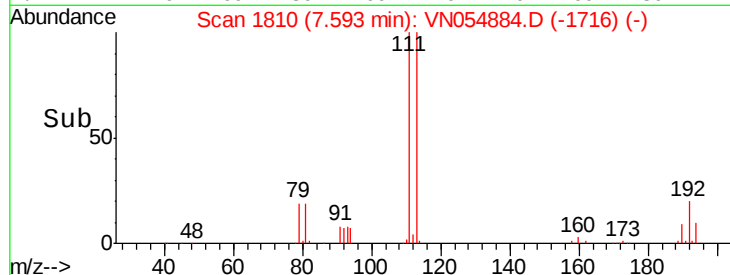
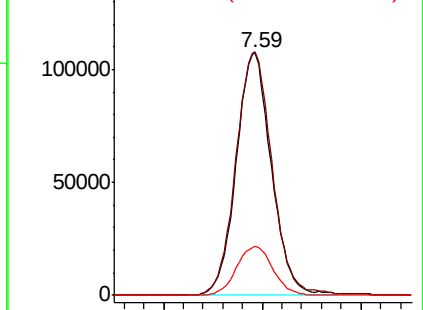
192 20.8 19.2 28.8



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: 5.094 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

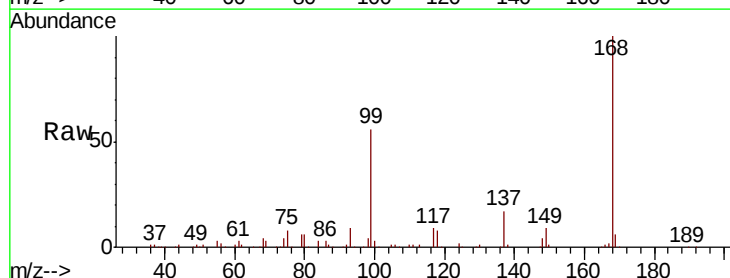
Tgt Ion: 75 Resp: 39799

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.5#

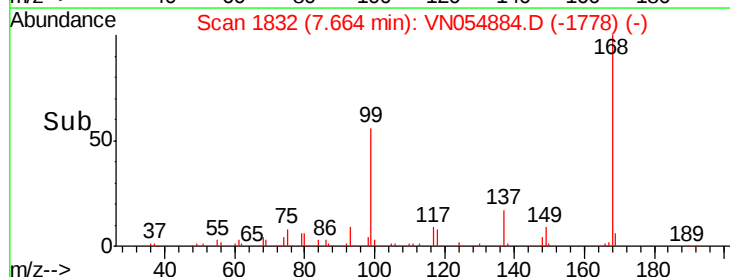
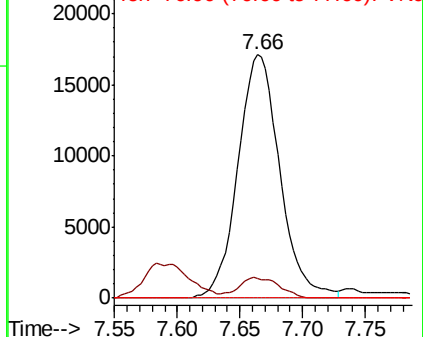
77 0.0 25.0 37.4#

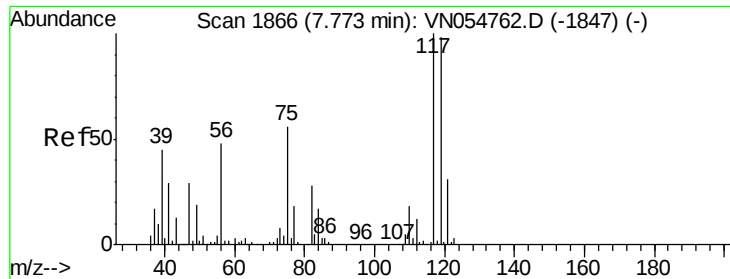


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.438 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

TB-03-28-19

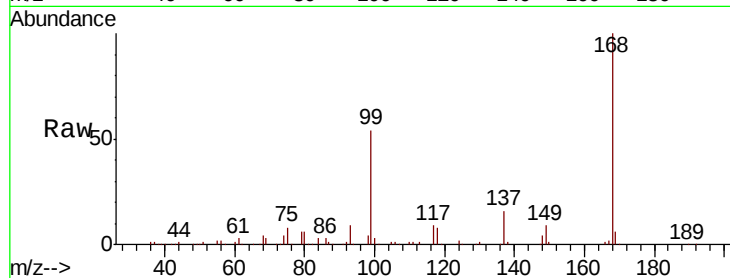
Tot Ion:117 Resp: 48852

Ion Ratio Lower Upper

117 100

119 3.8 76.3 114.5#

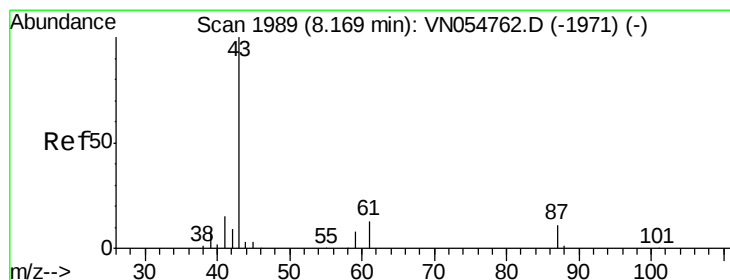
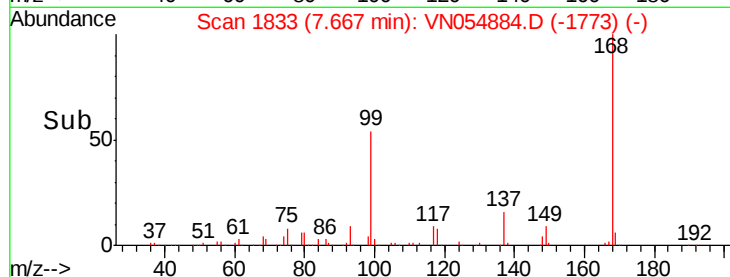
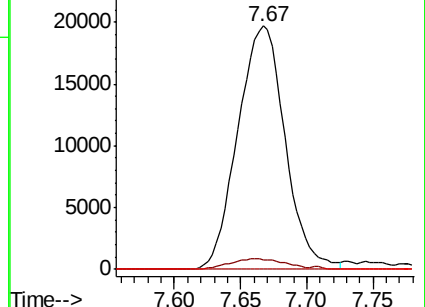
121 0.0 24.6 36.8#



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: 4.193 ug/l

RT: 8.32 min Scan# 2035

Delta R.T. 0.15 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

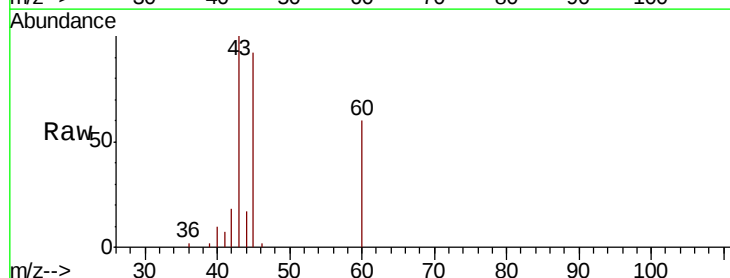
Tgt Ion: 43 Resp: 39033

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

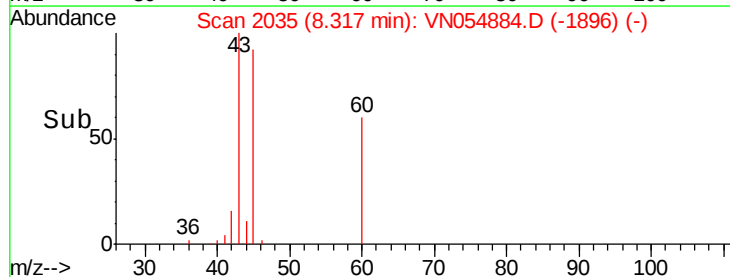
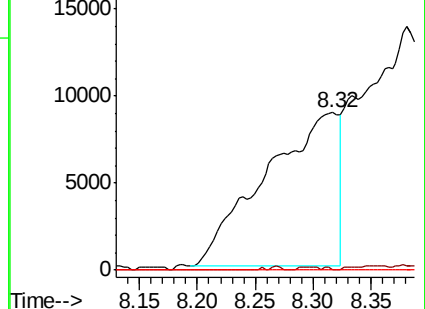
87 0.0 12.0 18.0#

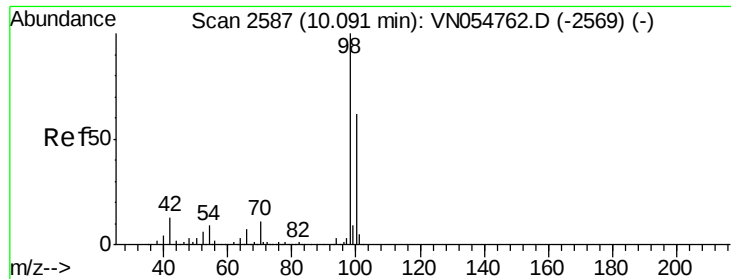


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 48.672 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

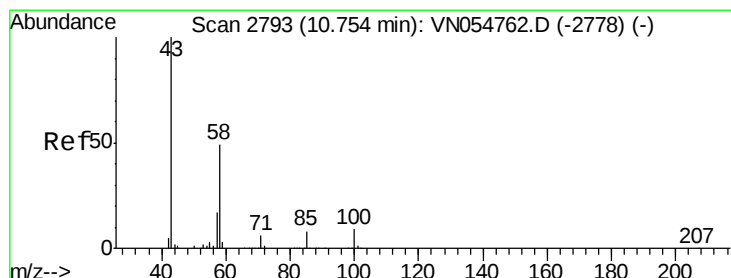
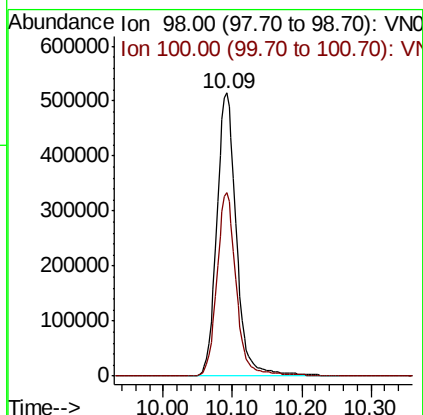
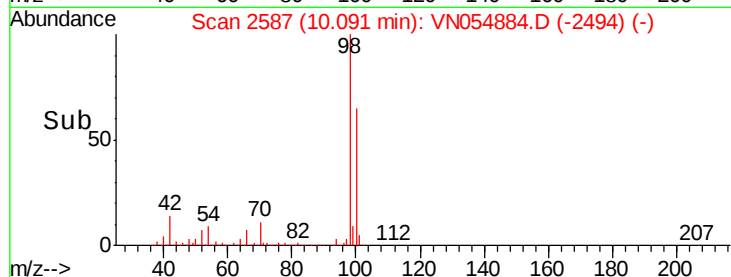
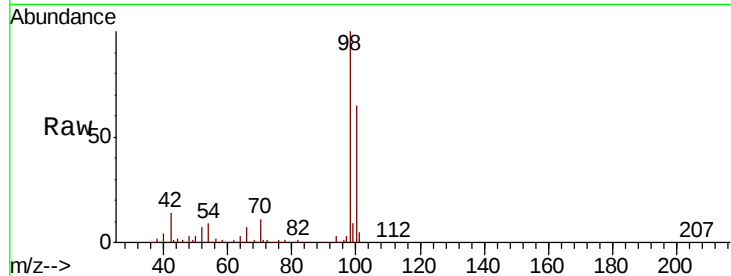
TB-03-28-19

Tot Ion: 98 Resp: 1011465

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



#59

2-Hexanone

Concen: 0.231 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN054884.D

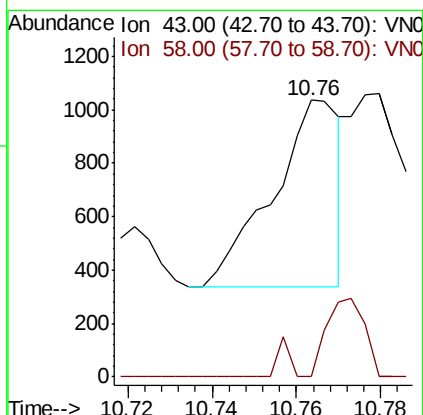
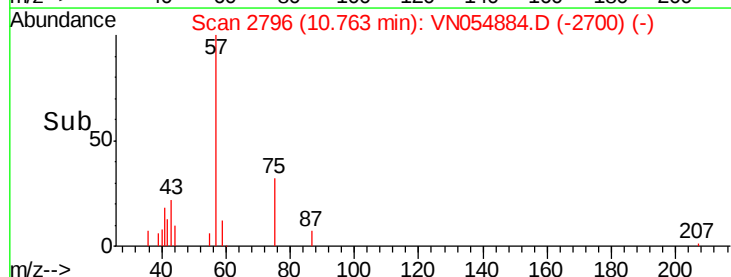
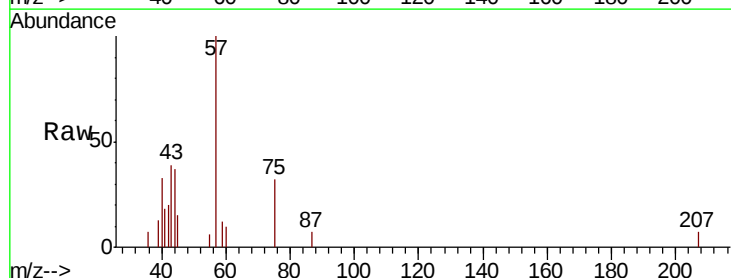
Acq: 1 Apr 2019 19:27

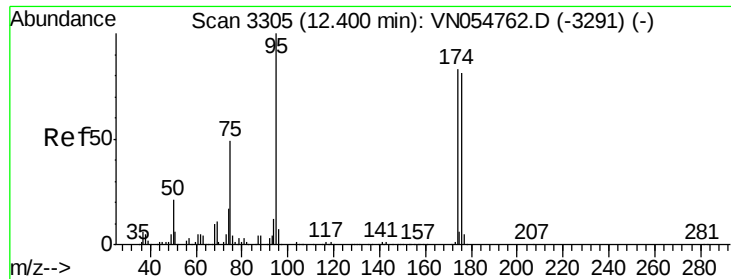
Tgt Ion: 43 Resp: 774

Ion Ratio Lower Upper

43 100

58 3.7 28.0 83.9#

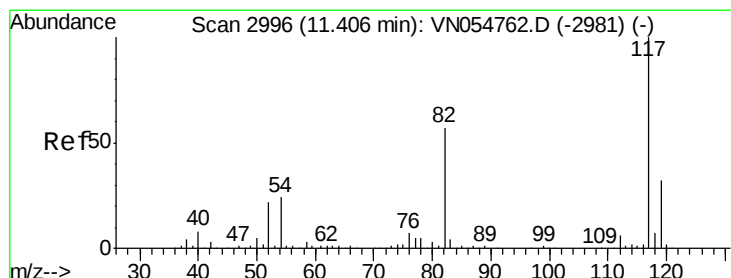
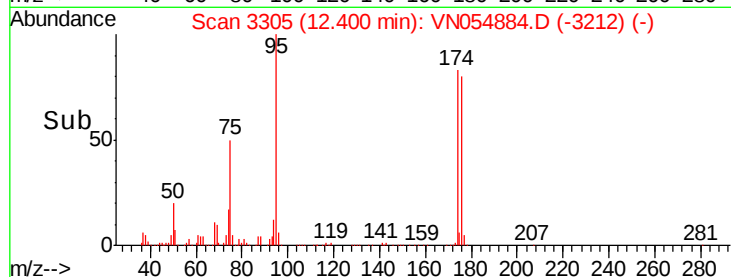
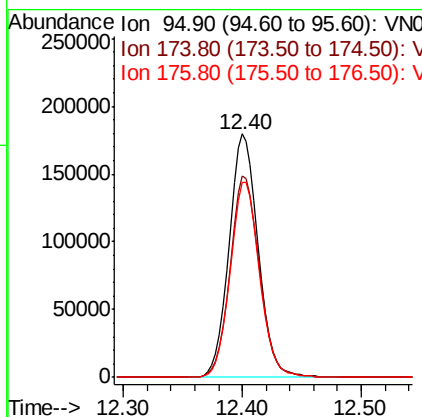
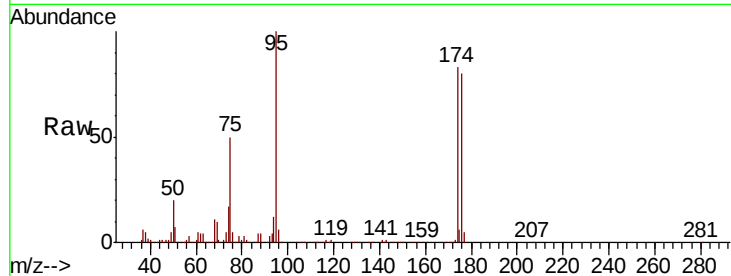




#62
4-Bromofluorobenzene
Concen: 43.902 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054884.D
Acq: 1 Apr 2019 19:27

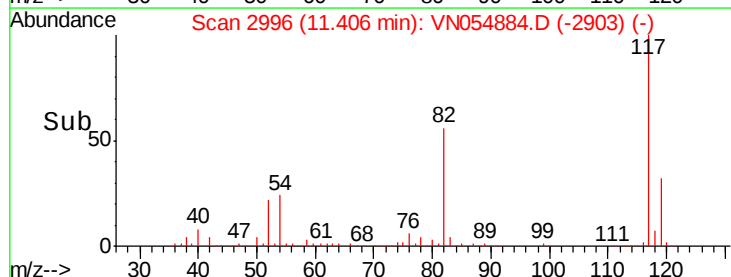
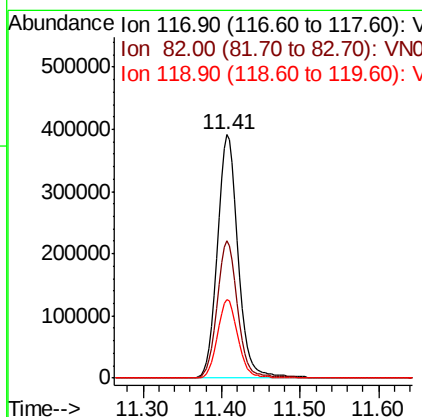
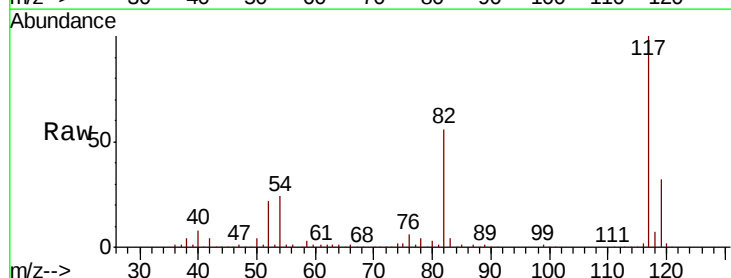
Instrument :
MSVOA_N
ClientSampleId :
TB-03-28-19

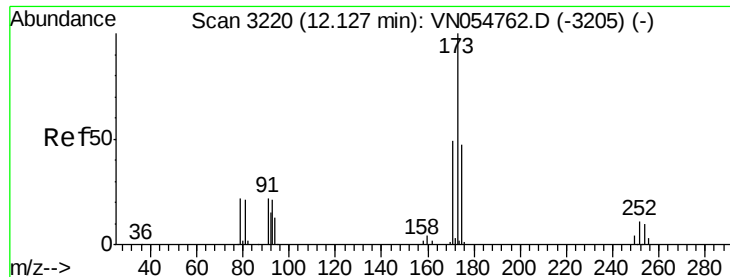
Tot Ion: 95 Resp: 303421
Ion Ratio Lower Upper
95 100
174 83.8 0.0 191.0
176 81.0 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054884.D
Acq: 1 Apr 2019 19:27

Tgt Ion: 117 Resp: 708014
Ion Ratio Lower Upper
117 100
82 56.3 40.0 60.0
119 32.5 25.8 38.6





#71

Bromoform

Concen: 0.465 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

TB-03-28-19

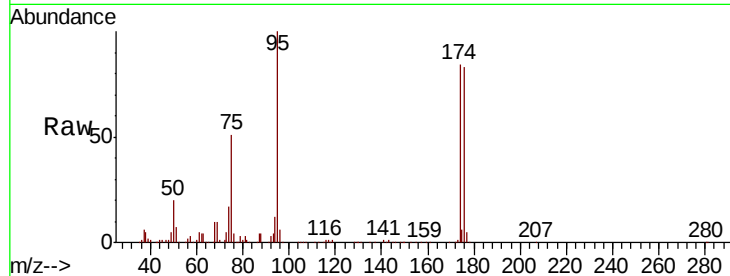
Tot Ion:173 Resp: 1412

Ion Ratio Lower Upper

173 100

175 1214.2 24.4 73.2#

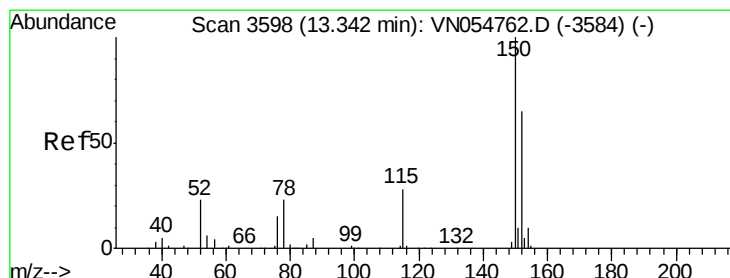
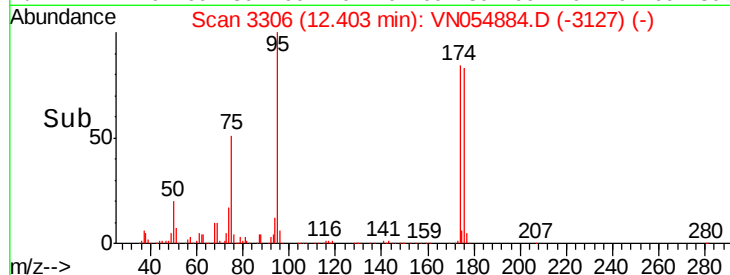
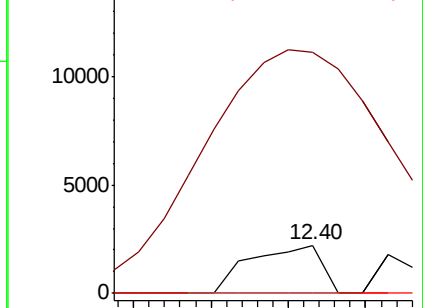
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

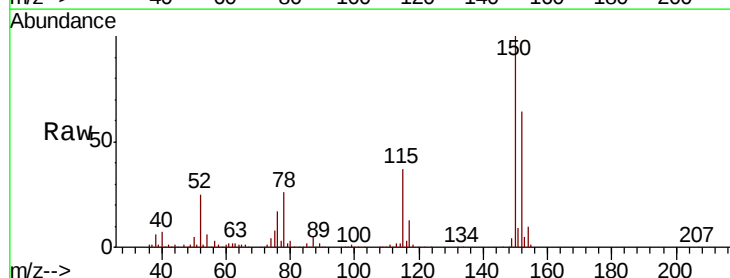
Tgt Ion:152 Resp: 236667

Ion Ratio Lower Upper

152 100

115 57.0 27.2 81.6

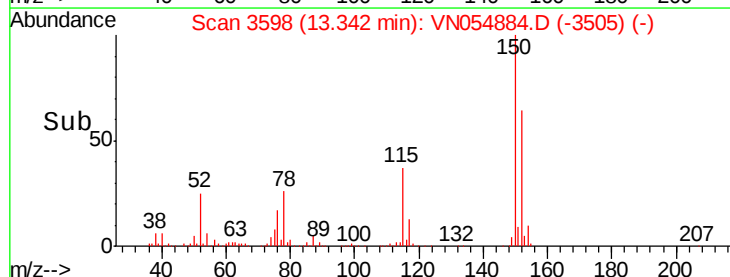
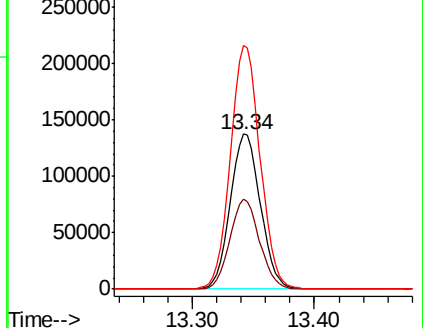
150 154.5 0.0 349.2

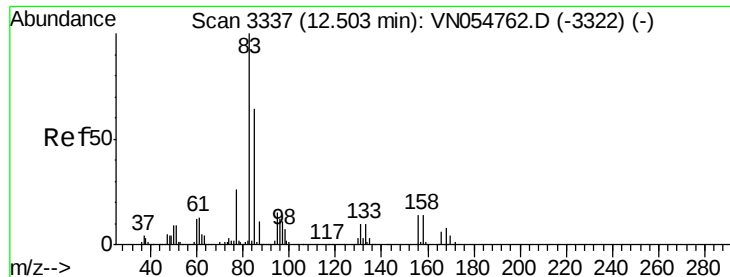


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

TB-03-28-19

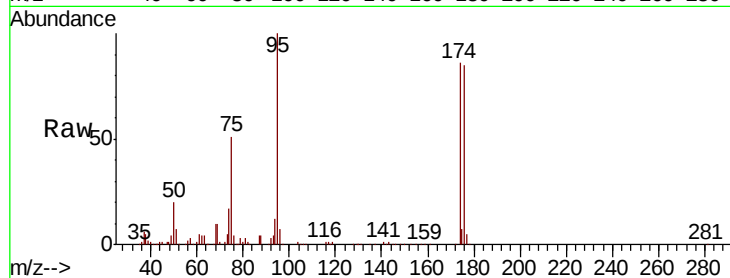
Tot Ion: 83 Resp: 325

Ion Ratio Lower Upper

83 100

131 90.2 5.8 17.4#

85 0.0 32.2 96.6#



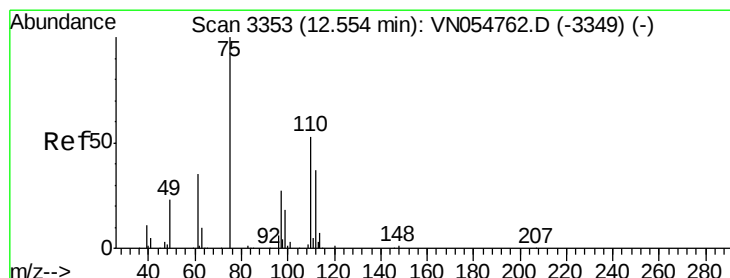
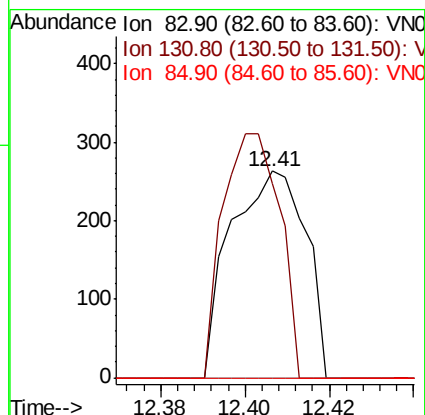
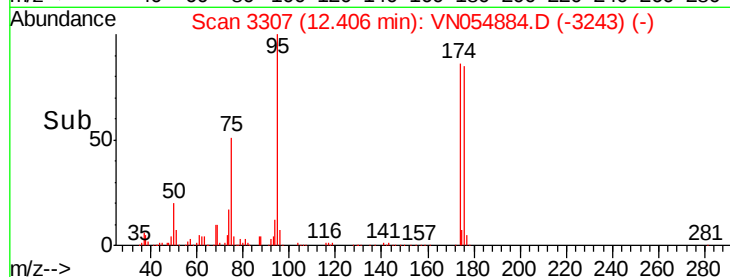
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.41

Time-->



#76

1,2,3-Trichloropropane

Concen: 37.897 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054884.D

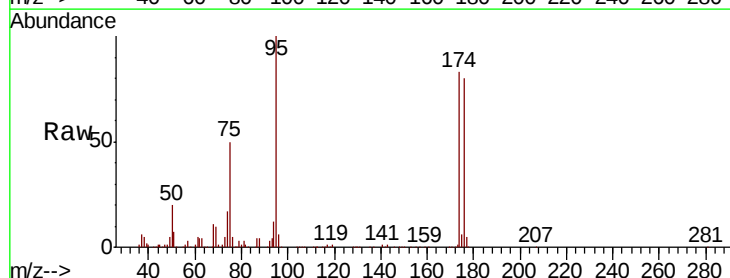
Acq: 1 Apr 2019 19:27

Tgt Ion: 75 Resp: 155813

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

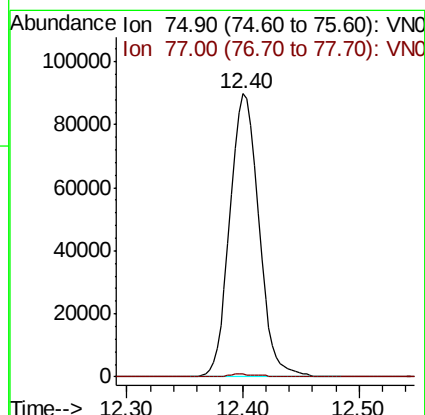
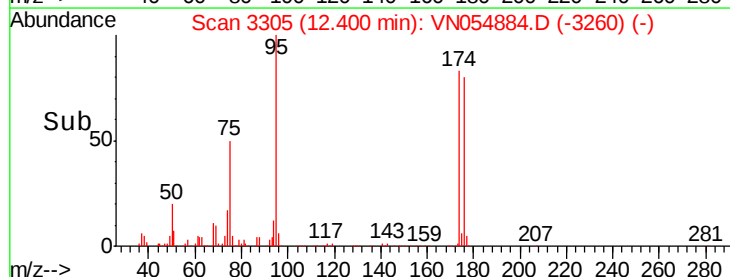


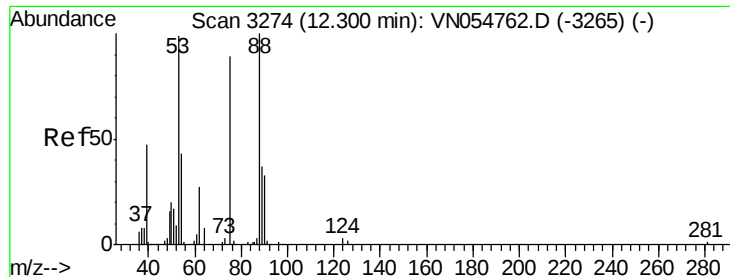
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 147.411 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

TB-03-28-19

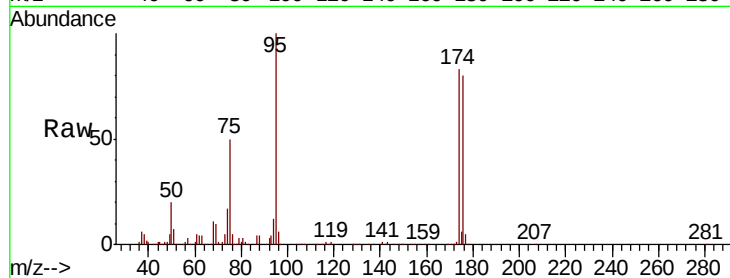
Tot Ion: 75 Resp: 155813

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

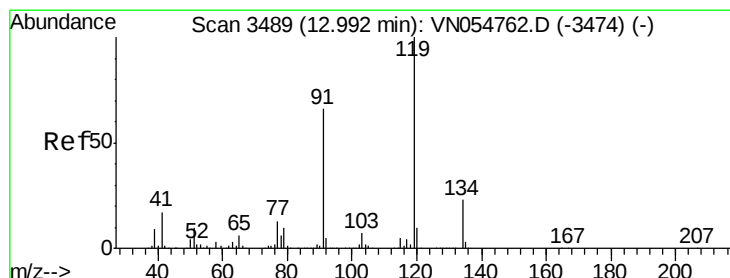
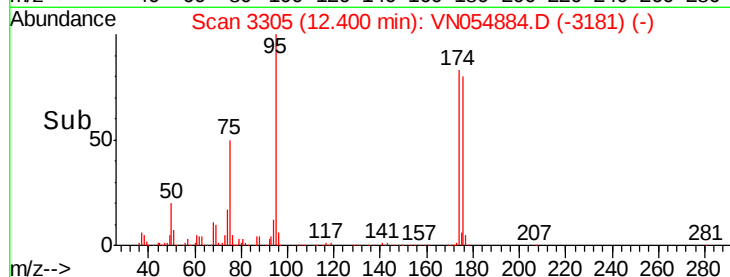
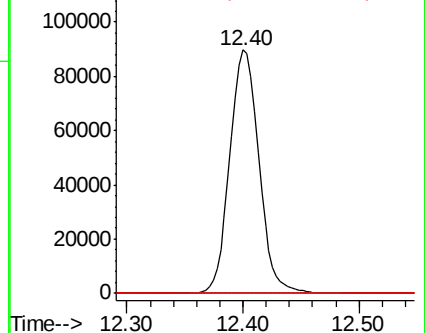
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054884.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN054884.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN054884.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3493

Delta R.T. 0.01 min

Lab File: VN054884.D

Acq: 1 Apr 2019 19:27

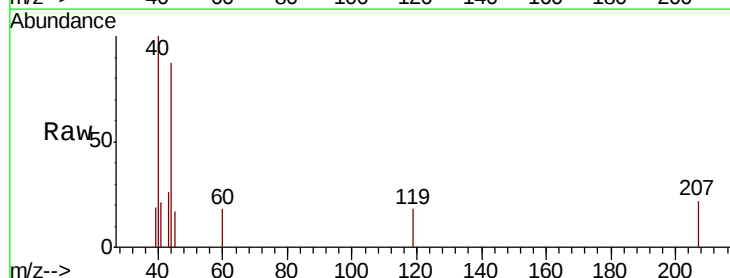
Tgt Ion:119 Resp: 68

Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): VN054884.D (-3493) (-)

Ion 91.00 (90.70 to 91.70): VN054884.D (-3493) (-)

Ion 134.00 (133.70 to 134.70): VN054884.D (-3493) (-)

