

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055347.D
 Acq On : 2 May 2019 13:48
 Operator : JC/SP
 Sample : K2658-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 03 01:53:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	345986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	588690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	525780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	141245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	237753	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.59	113	191306	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.09	98	730525	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.40	95	219099	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

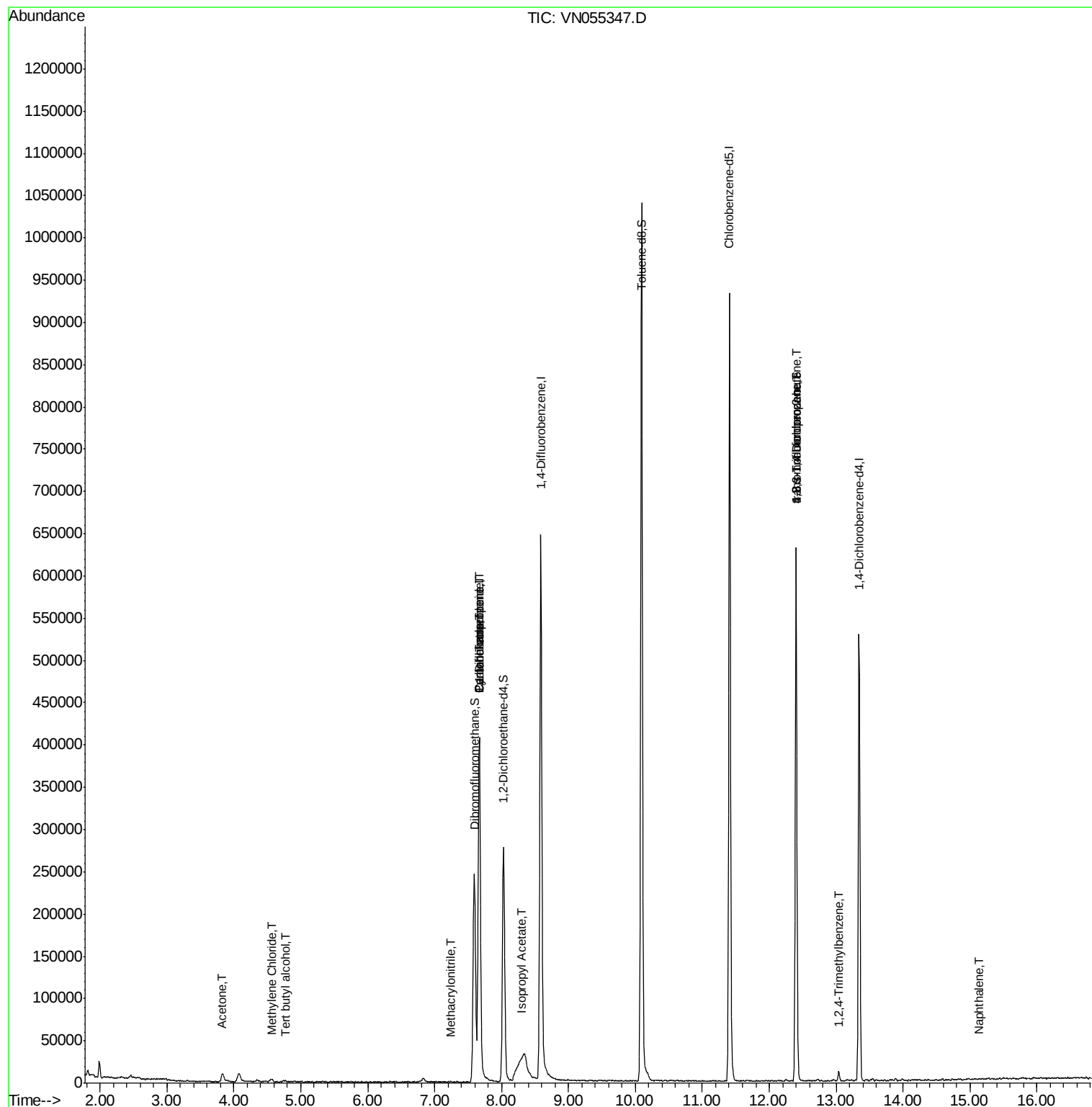
						Qvalue
11) Tert butyl alcohol	4.76	59	568	2.192	ug/l #	73
16) Acetone	3.83	43	16972	12.034	ug/l	90
20) Methylene Chloride	4.56	84	1255	0.292	ug/l #	92
31) Cyclohexane	7.67	56	7326	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	26529	4.705	ug/l #	50
38) Carbon Tetrachloride	7.67	117	32729	6.017	ug/l #	15
41) Methacrylonitrile	7.24	41	96	0.780	ug/l #	38
43) Isopropyl Acetate	8.29	43	49427	7.117	ug/l #	56
73) Isopropylbenzene	12.25	105	1246	Below Cal		99
76) 1,2,3-Trichloropropane	12.40	75	116350	44.016	ug/l #	100
79) 2-Chlorotoluene	12.68	91	134	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	116350	156.105	ug/l #	7
83) tert-Butylbenzene	12.99	119	30	Below Cal	#	1
84) 1,2,4-Trimethylbenzene	13.04	105	7047	0.712	ug/l	99
90) Hexachloroethane	13.95	117	145	Below Cal	#	7
95) Naphthalene	15.14	128	373	3.417	ug/l #	69

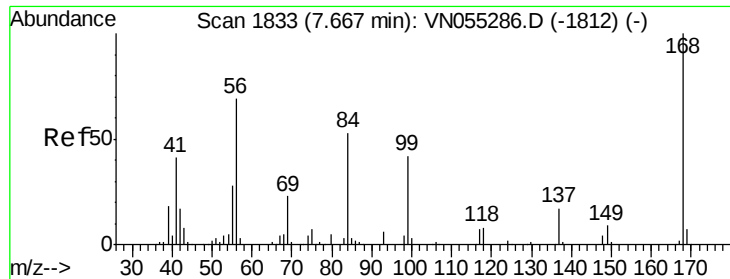
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

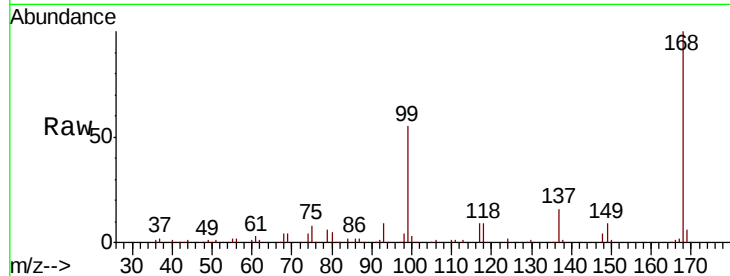
TRIP-BLANK

Tot Ion:168 Resp: 345986

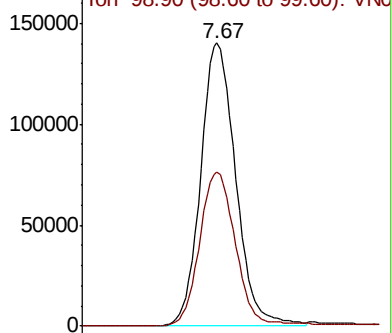
Ion Ratio Lower Upper

168 100

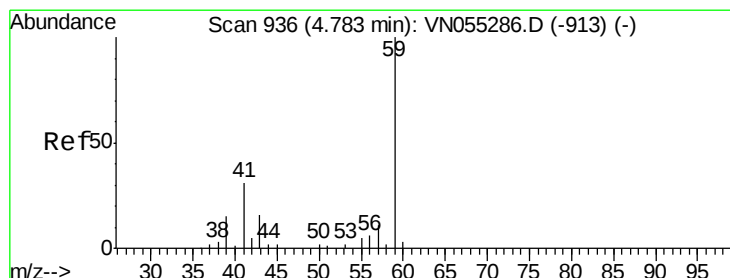
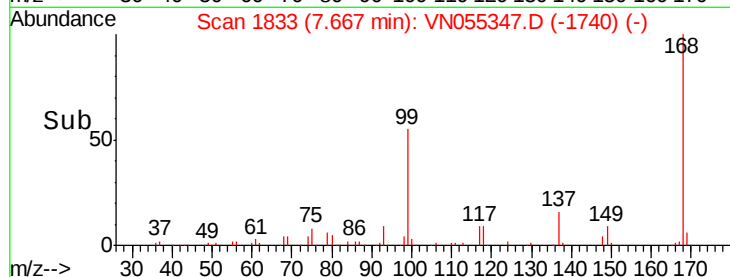
99 54.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055347.D (-1740) (-)



Time-->



#11

Tert butyl alcohol

Concen: 2.192 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.02 min

Lab File: VN055347.D

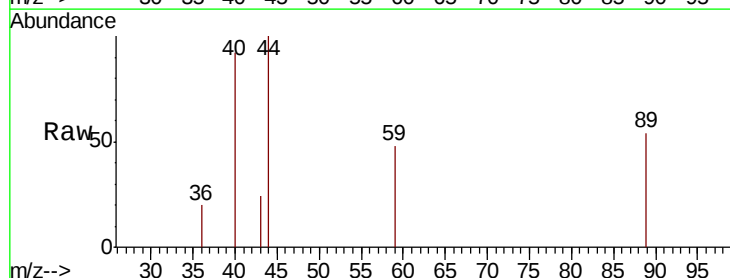
Acq: 2 May 2019 13:48

Tgt Ion: 59 Resp: 568

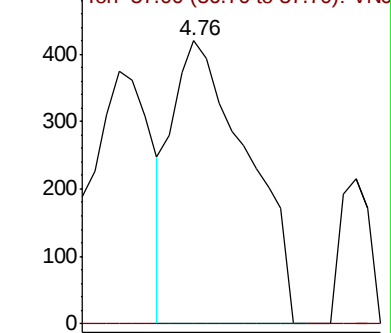
Ion Ratio Lower Upper

59 100

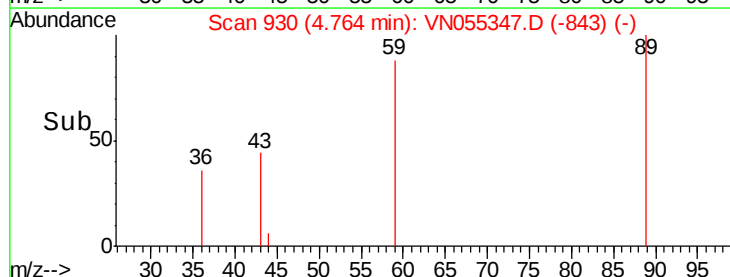
57 0.0 8.2 12.2#

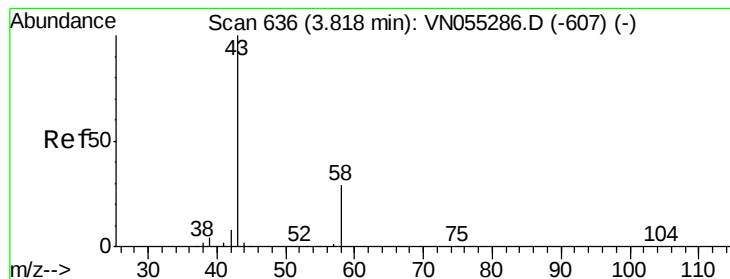


Abundance Ion 59.00 (58.70 to 59.70): VN055347.D (-843) (-)



Time-->





#16

Acetone

Concen: 12.034 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

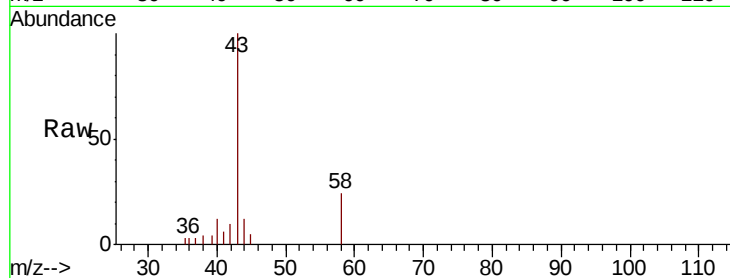
TRIP-BLANK

Tot Ion: 43 Resp: 16972

Ion Ratio Lower Upper

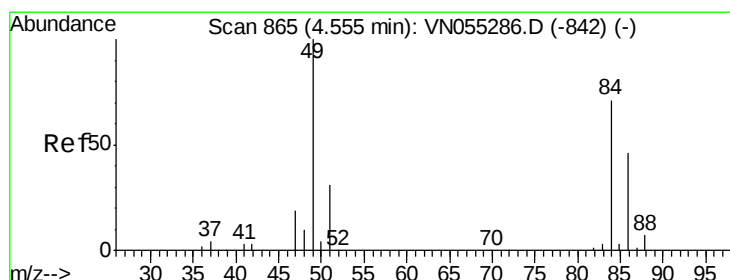
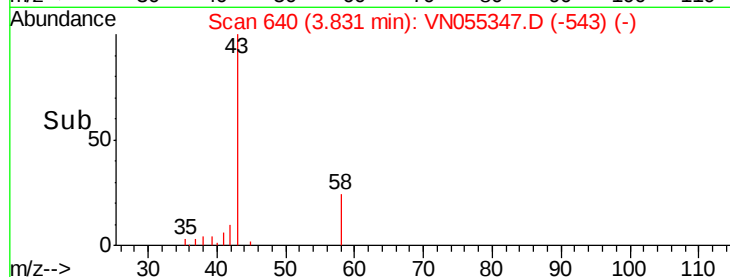
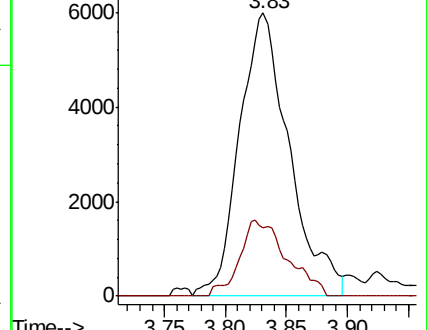
43 100

58 24.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-607) (-)



#20

Methylene Chloride

Concen: 0.292 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Tgt Ion: 84 Resp: 1255

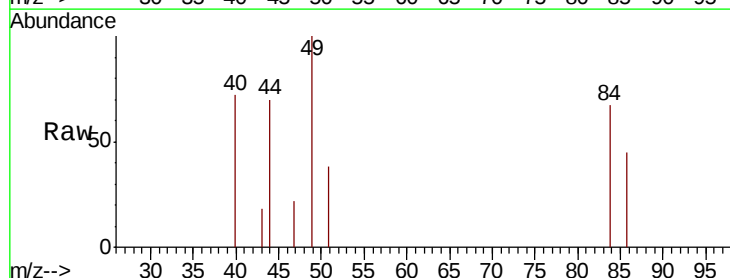
Ion Ratio Lower Upper

84 100

49 148.6 112.4 168.6

51 57.0 34.6 51.8#

86 66.3 51.9 77.9

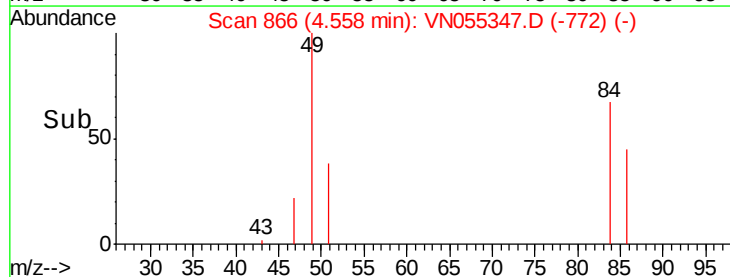
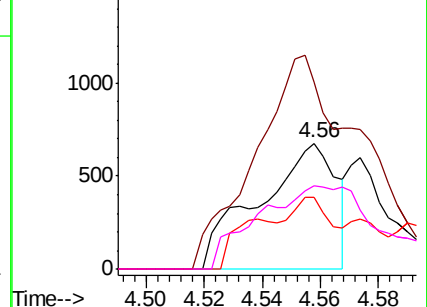


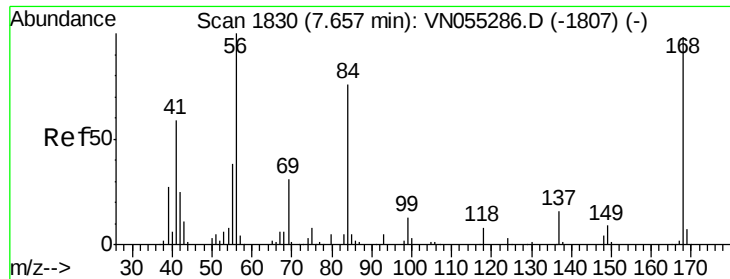
Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)

Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)

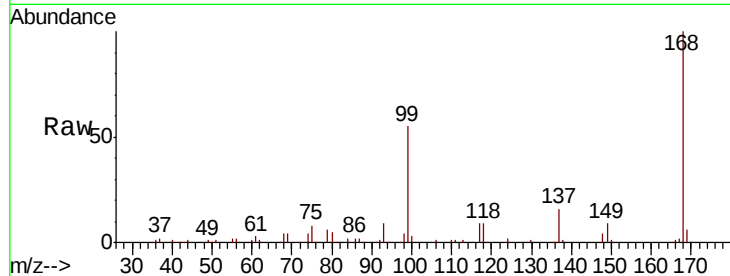




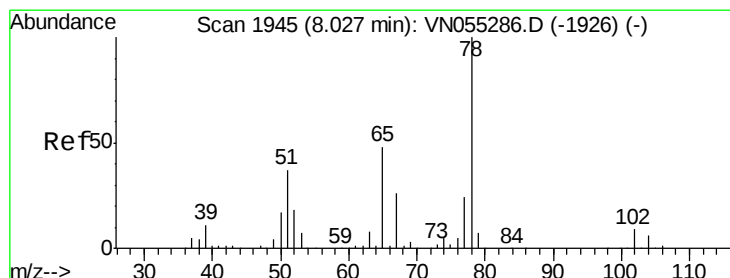
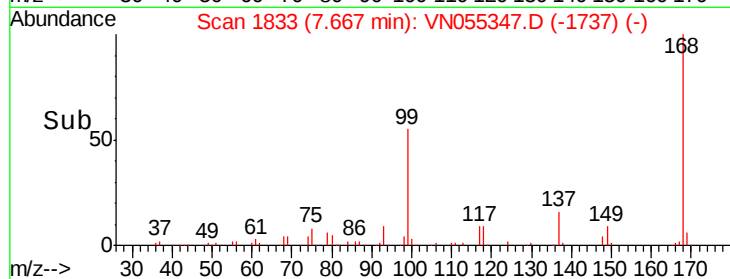
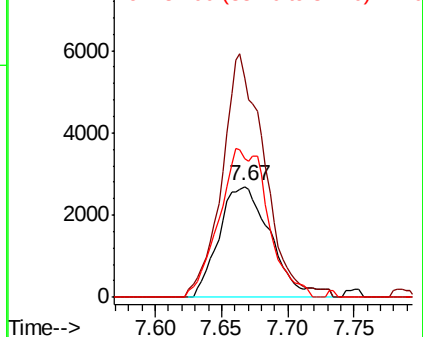
#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055347.D
Acq: 2 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion: 56 Resp: 7326
Ion Ratio Lower Upper
56 100
69 199.0 25.2 37.8#
84 125.7 61.1 91.7#

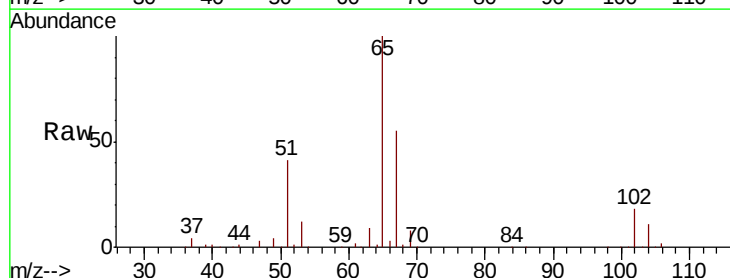


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

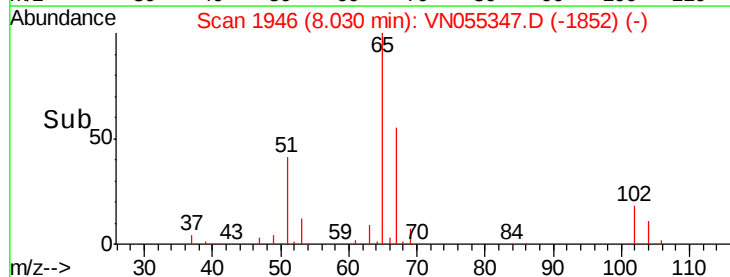
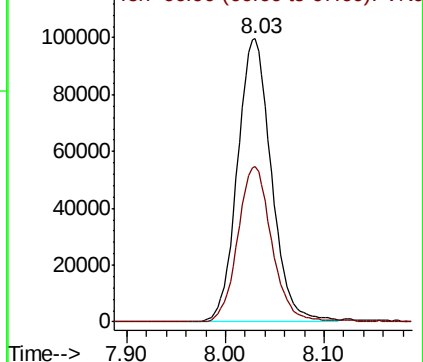


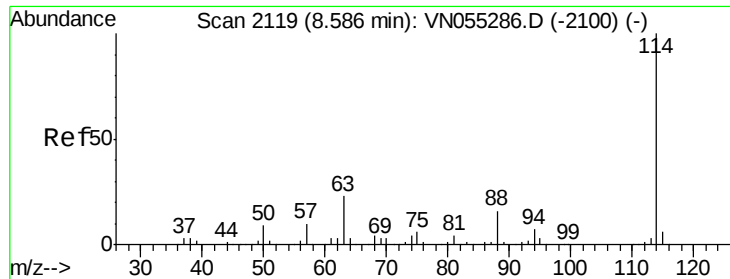
#33
1,2-Dichloroethane-d4
Concen: 52.527 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN055347.D
Acq: 2 May 2019 13:48

Tgt Ion: 65 Resp: 237753
Ion Ratio Lower Upper
65 100
67 54.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

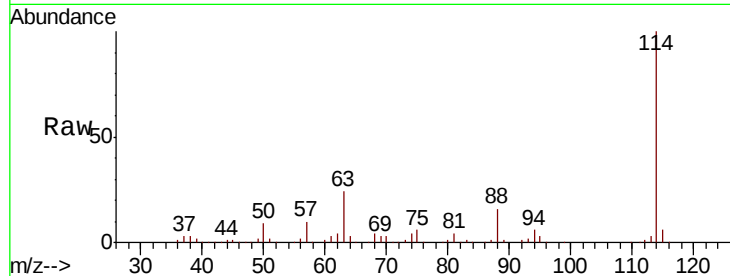




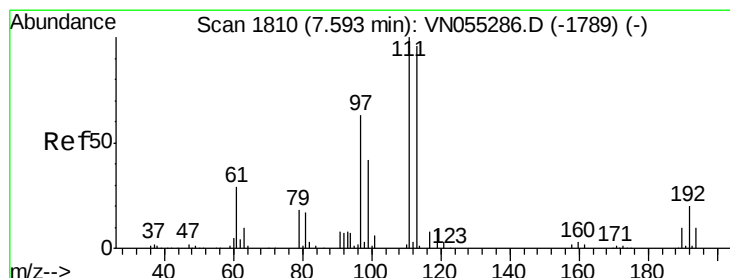
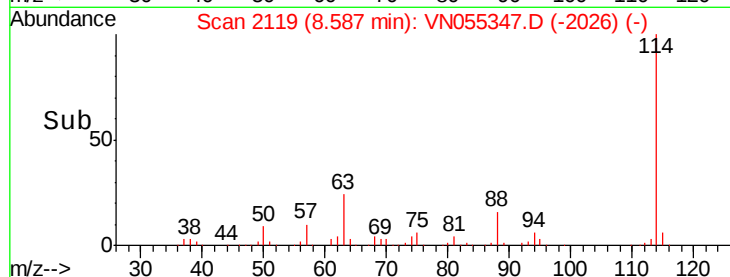
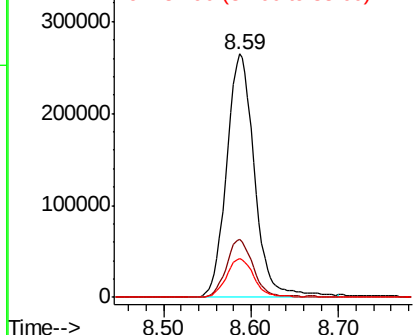
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055347.D
 Acq: 2 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion:114 Resp: 588690
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.2
 88 15.9 0.0 31.6

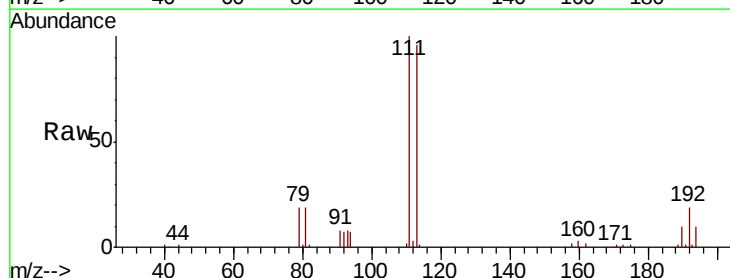


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

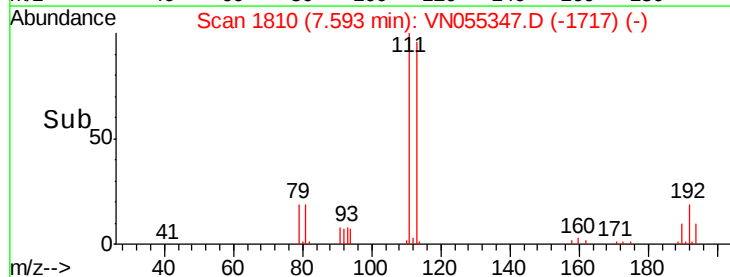
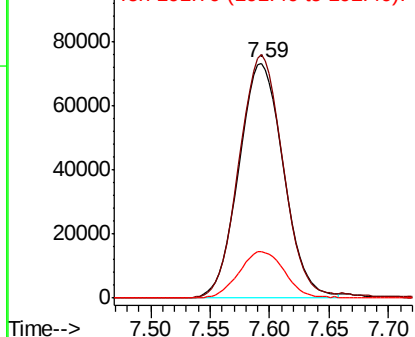


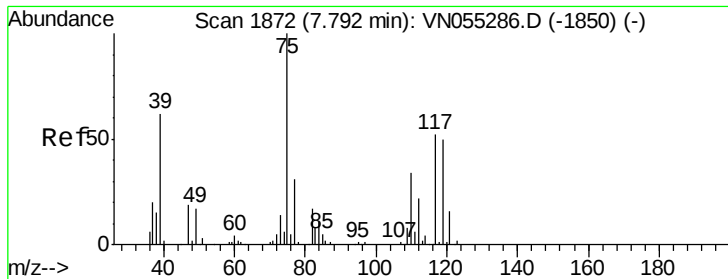
#35
 Dibromofluoromethane
 Concen: 49.510 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055347.D
 Acq: 2 May 2019 13:48

Tgt Ion:113 Resp: 191306
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.3 123.5
 192 20.3 17.0 25.6



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: 4.705 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

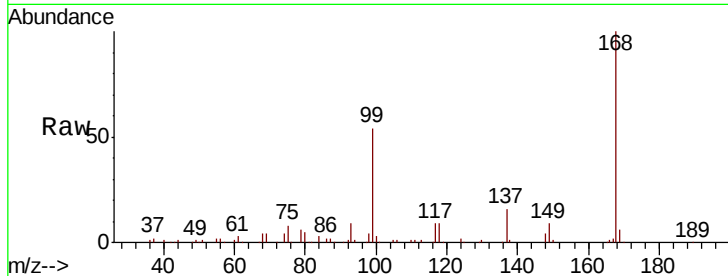
Tot Ion: 75 Resp: 26529

Ion Ratio Lower Upper

75 100

110 9.1 16.8 50.4#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN055286.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN055286.D (-1850) (-)

7.66

15000

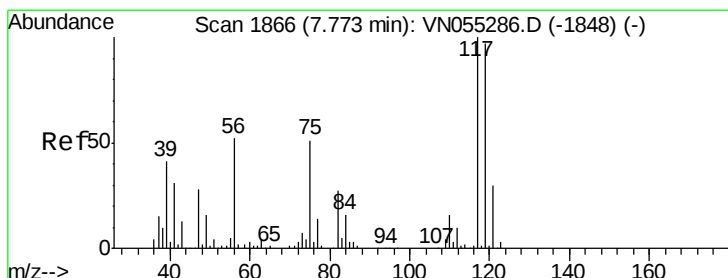
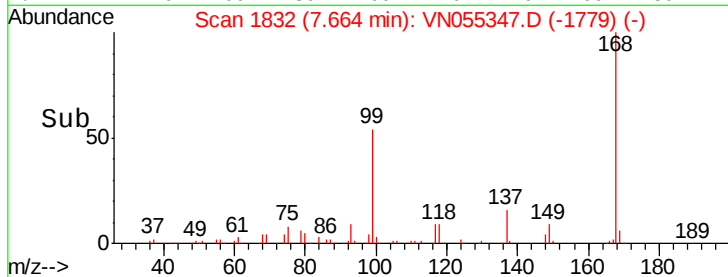
10000

5000

0

7.60 7.65 7.70 7.75

Time-->



#38

Carbon Tetrachloride

Concen: 6.017 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

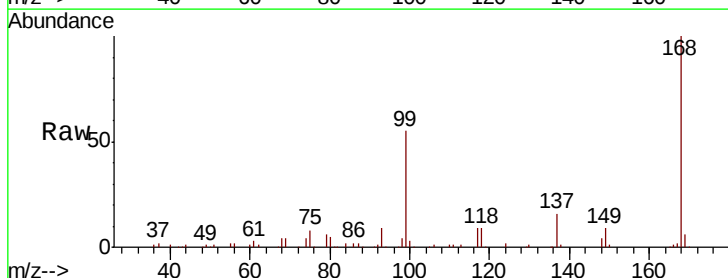
Tgt Ion: 117 Resp: 32729

Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.6#

121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN055286.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN055286.D (-1848) (-)

7.67

15000

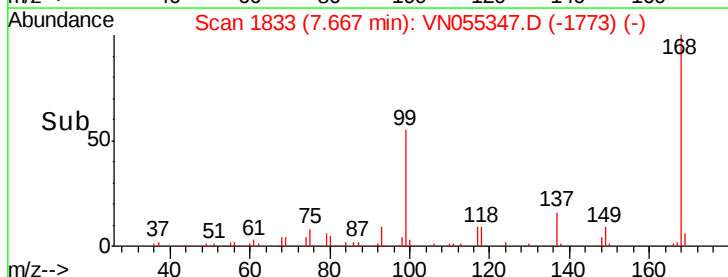
10000

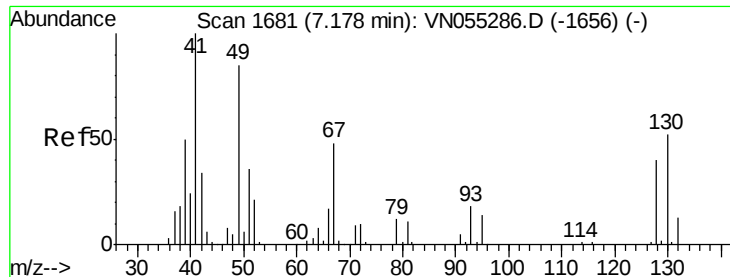
5000

0

7.60 7.65 7.70 7.75

Time-->





#41

Methacrylonitrile

Concen: 0.780 ug/l

RT: 7.24 min Scan# 1700

Delta R.T. 0.06 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

Tot Ion: 41 Resp: 96

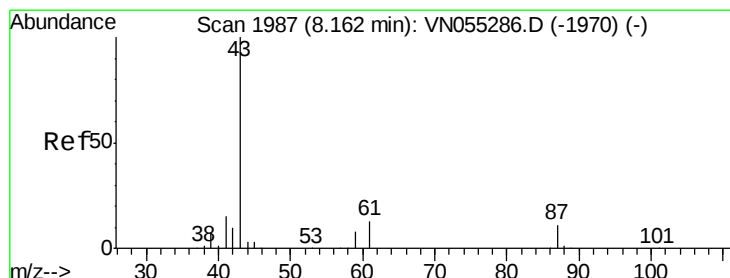
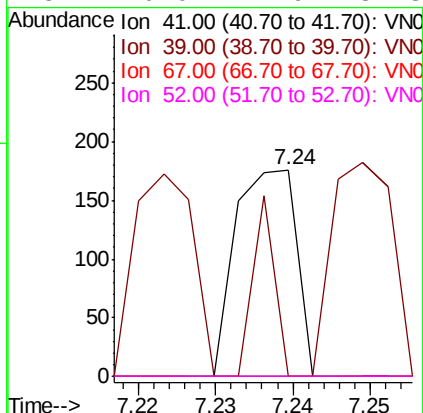
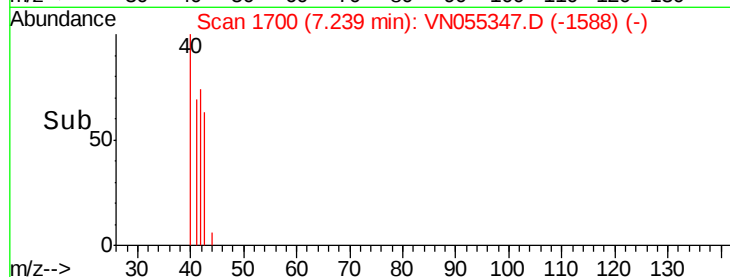
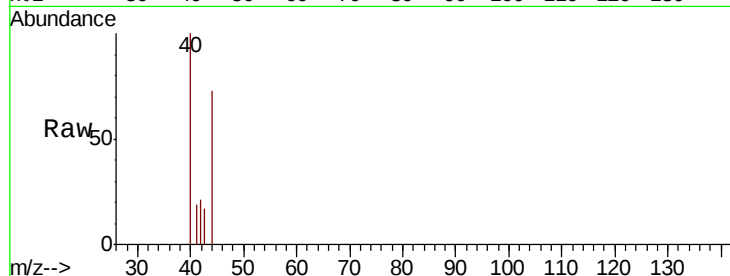
Ion Ratio Lower Upper

41 100

39 31.3 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#



#43

Isopropyl Acetate

Concen: 7.117 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

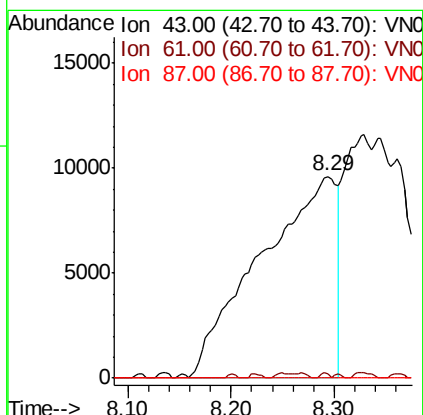
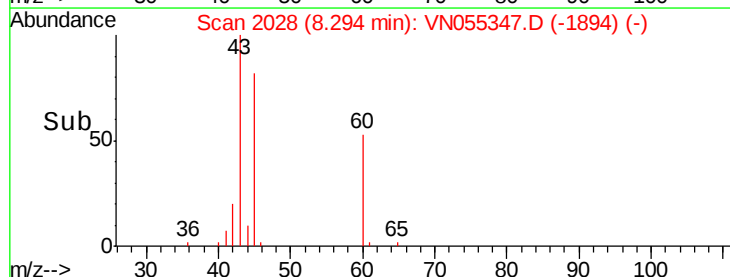
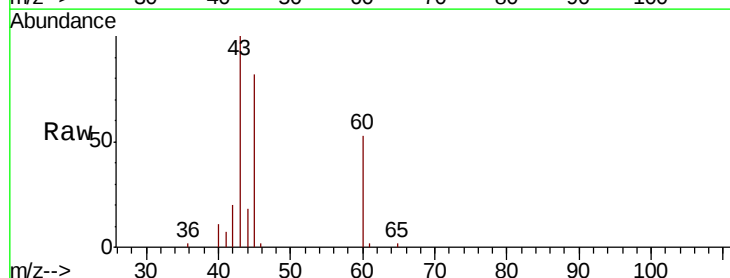
Tgt Ion: 43 Resp: 49427

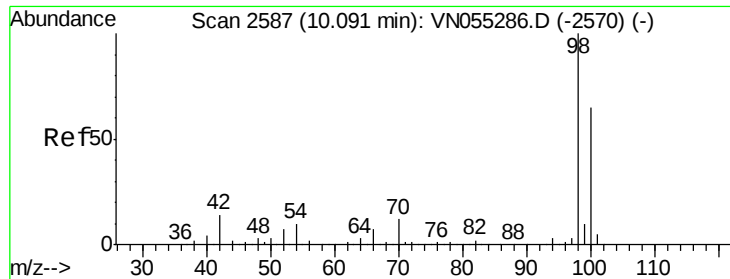
Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 52.359 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

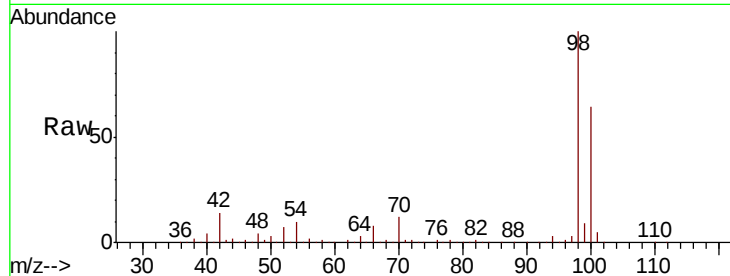
TRIP-BLANK

Tot Ion: 98 Resp: 730525

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)

10.09

400000

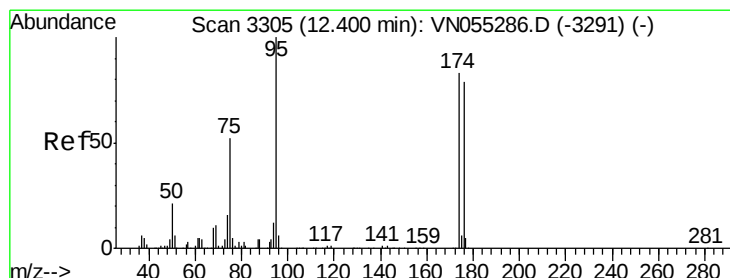
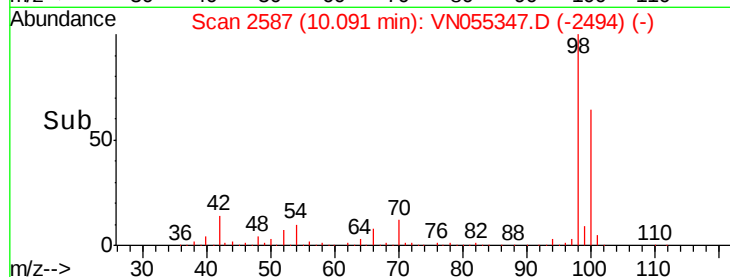
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.245 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

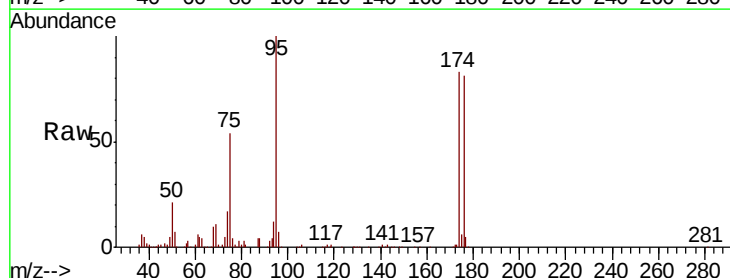
Tgt Ion: 95 Resp: 219099

Ion Ratio Lower Upper

95 100

174 82.9 0.0 166.6

176 80.9 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055286.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055286.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055286.D (-3291) (-)

12.40

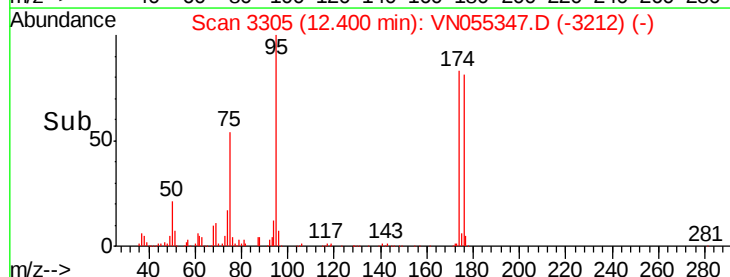
150000

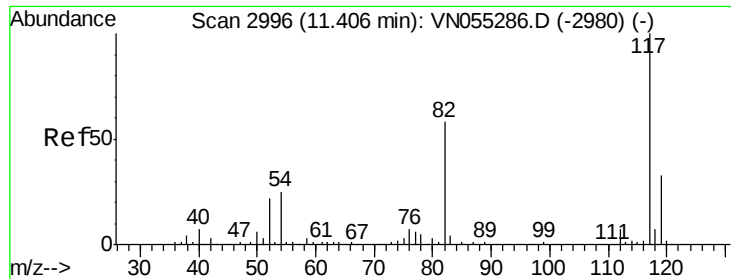
100000

50000

0

Time-->

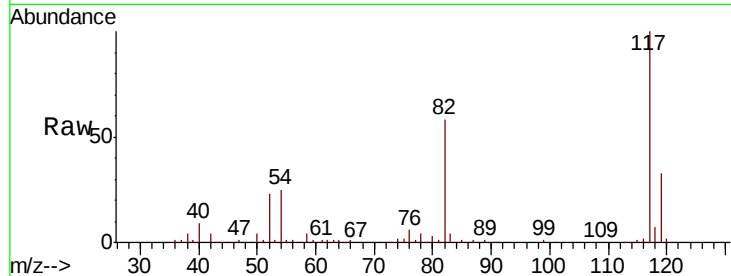




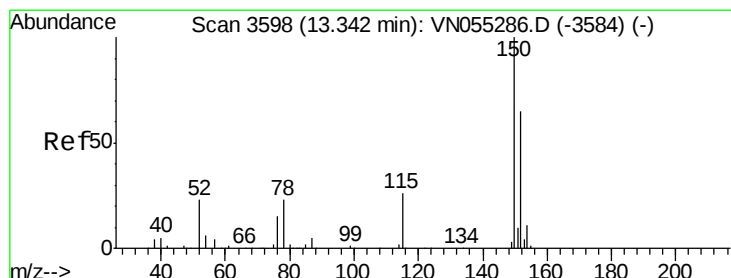
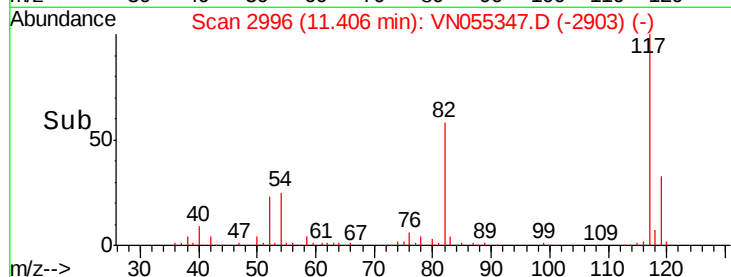
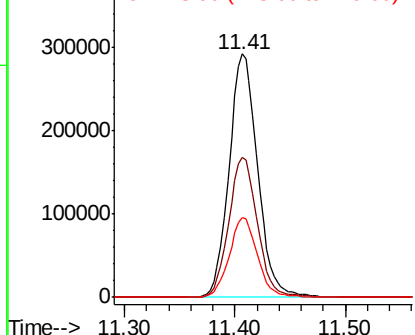
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055347.D
Acq: 2 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 525780
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 32.7 26.6 40.0

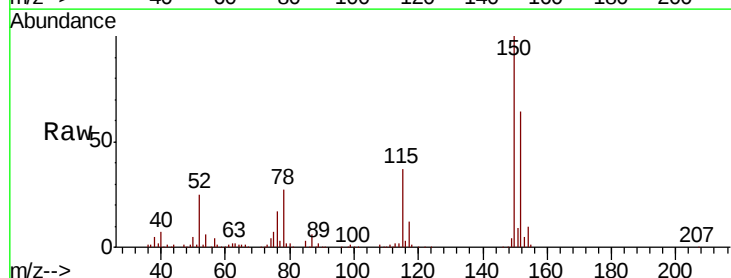


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

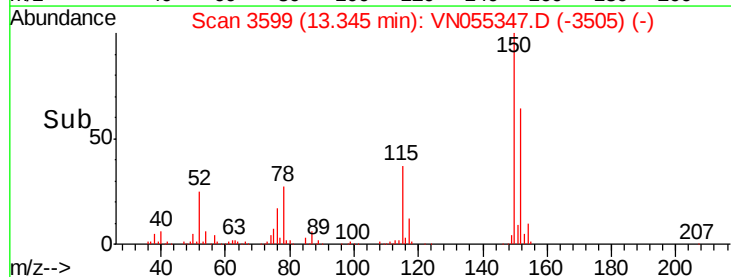
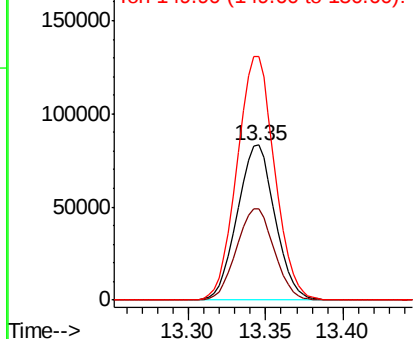


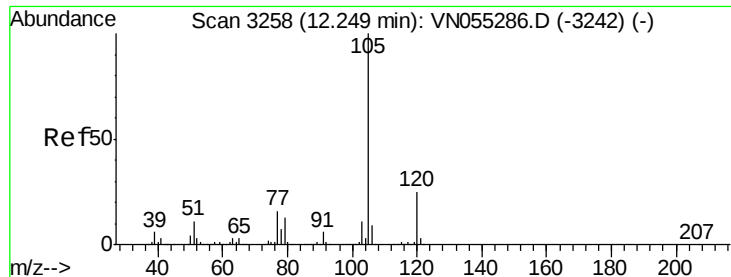
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055347.D
Acq: 2 May 2019 13:48

Tgt Ion:152 Resp: 141245
Ion Ratio Lower Upper
152 100
115 58.8 29.0 87.0
150 156.3 0.0 345.6



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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

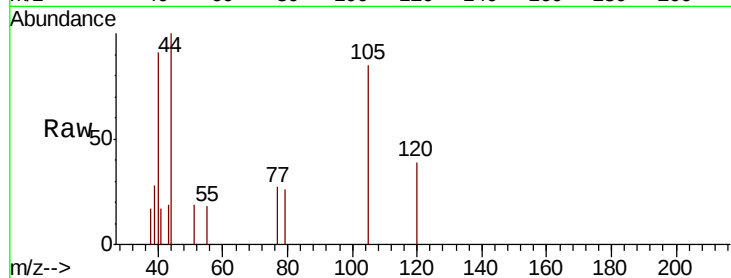
TRIP-BLANK

Tot Ion:105 Resp: 1246

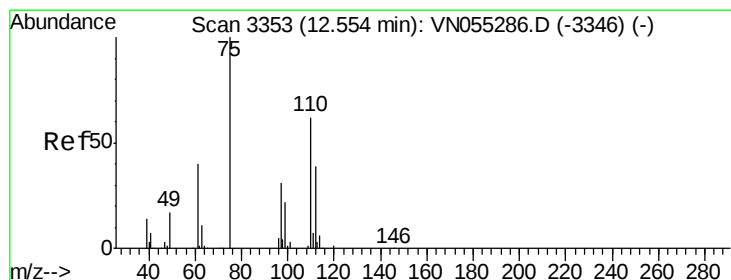
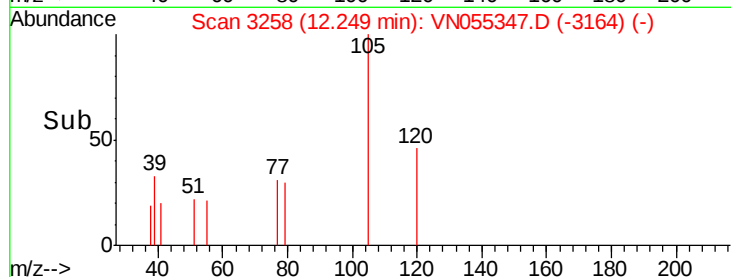
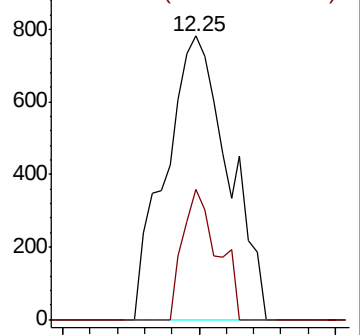
Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V



#76

1,2,3-Trichloropropane

Concen: 44.016 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055347.D

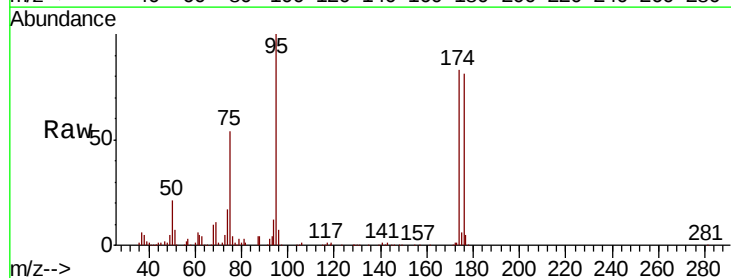
Acq: 2 May 2019 13:48

Tgt Ion: 75 Resp: 116350

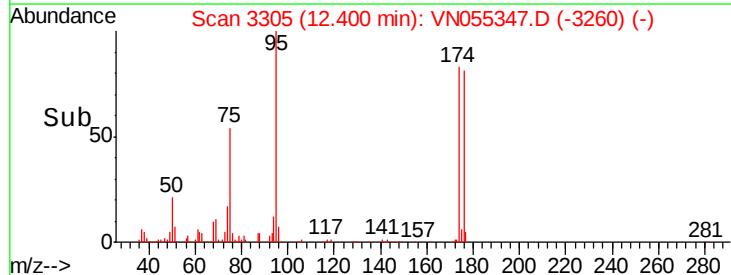
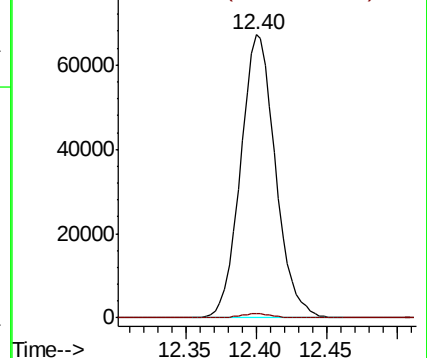
Ion Ratio Lower Upper

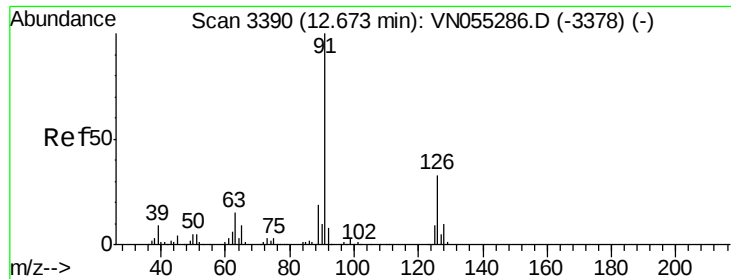
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

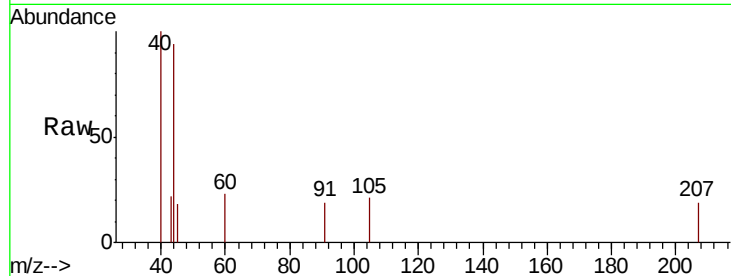
TRIP-BLANK

Tot Ion: 91 Resp: 134

Ion Ratio Lower Upper

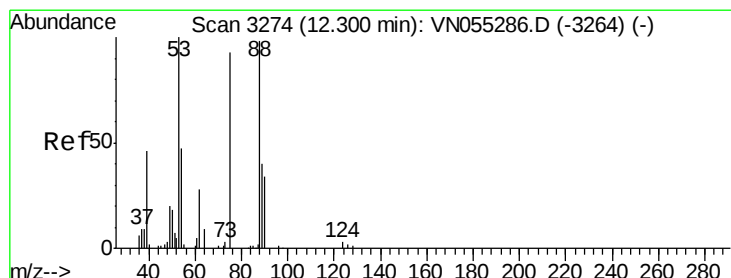
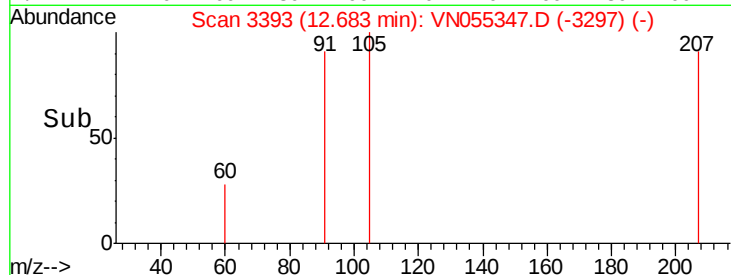
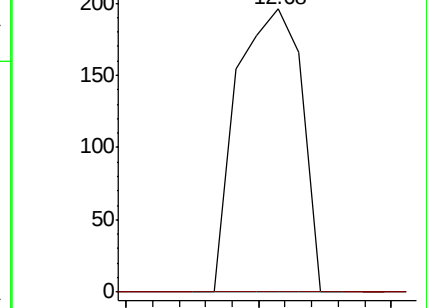
91 100

126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 156.105 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

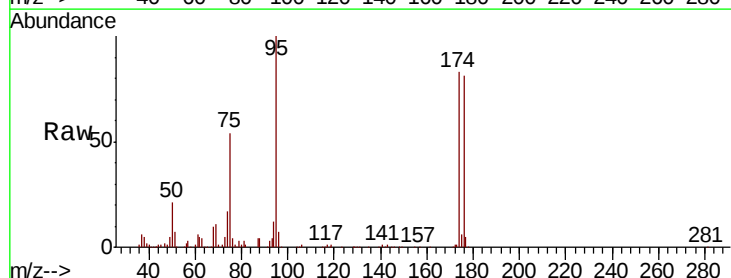
Tgt Ion: 75 Resp: 116350

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

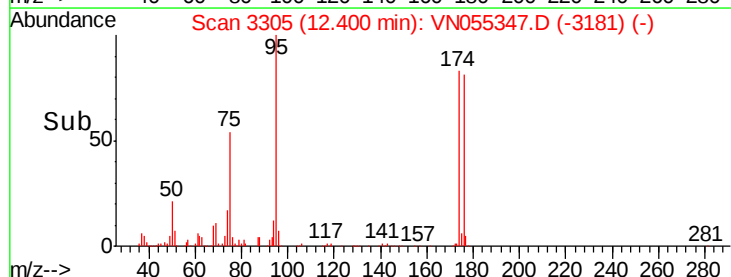
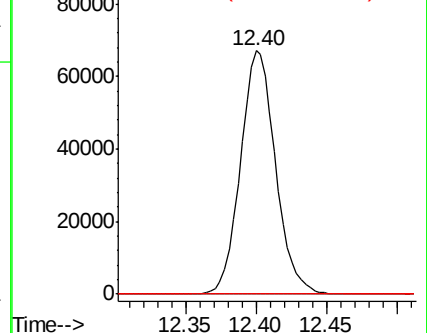
89 0.0 34.6 51.8#

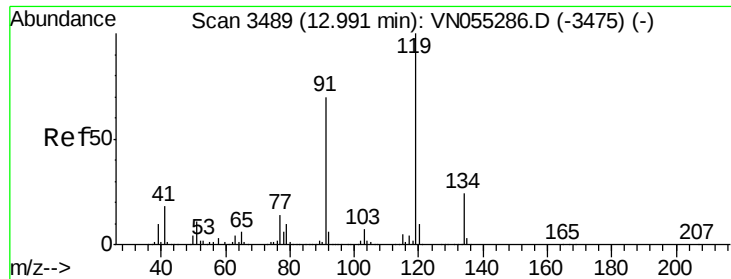


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

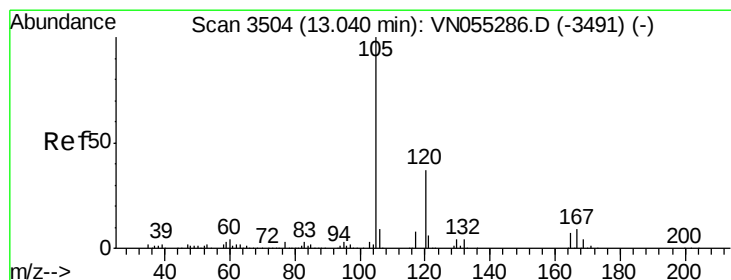
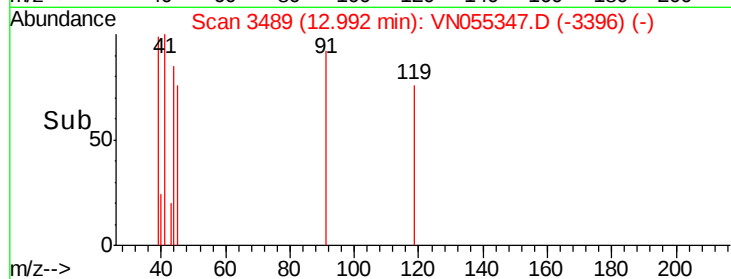
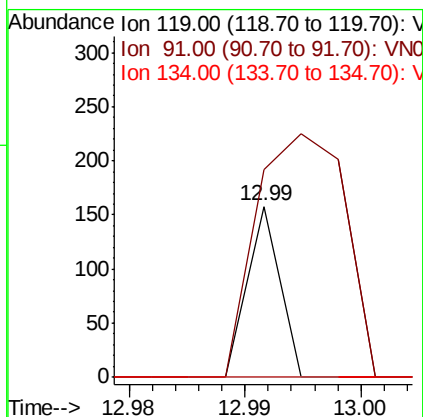
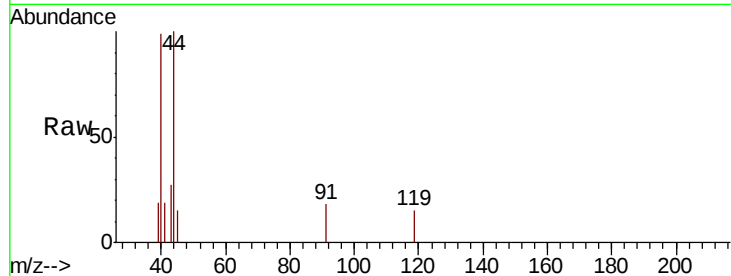




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055347.D
 Acq: 2 May 2019 13:48

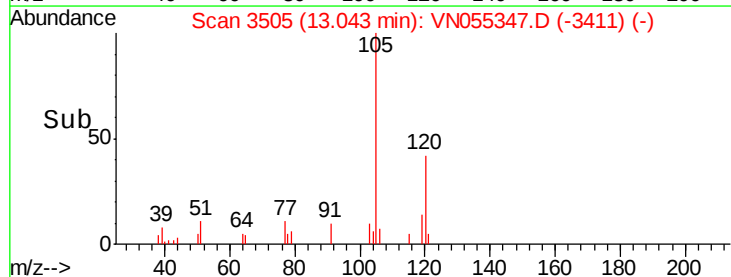
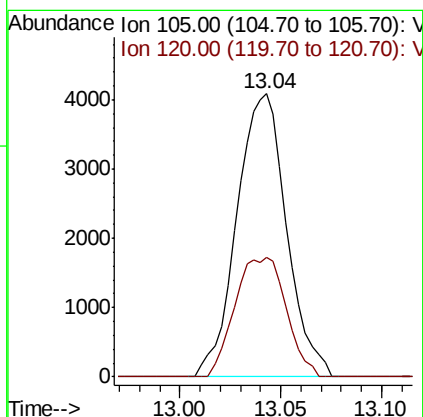
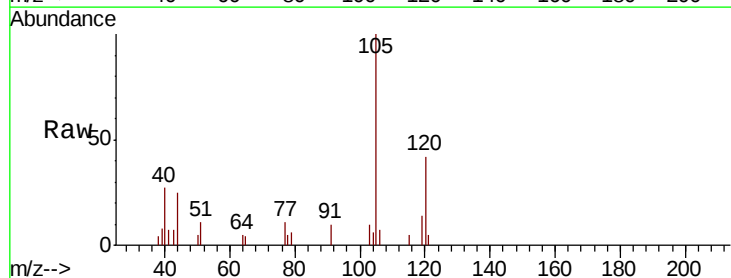
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

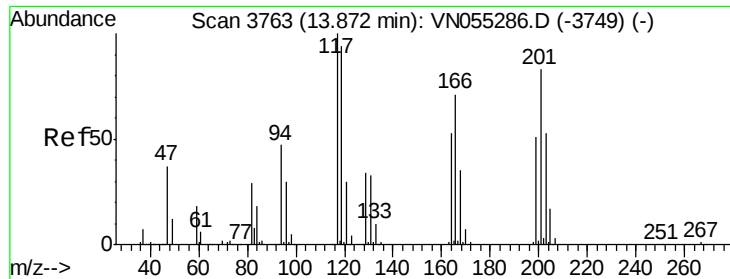
Tot Ion:119 Resp: 30
 Ion Ratio Lower Upper
 119 100
 91 396.7 34.3 102.9#
 134 0.0 13.1 39.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.712 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN055347.D
 Acq: 2 May 2019 13:48

Tgt Ion:105 Resp: 7047
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5





#90

Hexachloroethane

Concen: Below Cal

RT: 13.95 min Scan# 3787

Delta R.T. 0.08 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

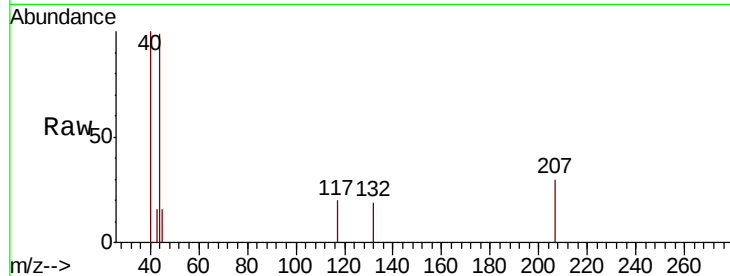
TRIP-BLANK

Tot Ion:117 Resp: 145

Ion Ratio Lower Upper

117 100

201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.95

250

200

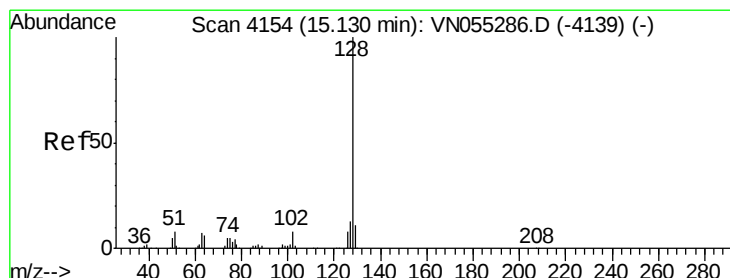
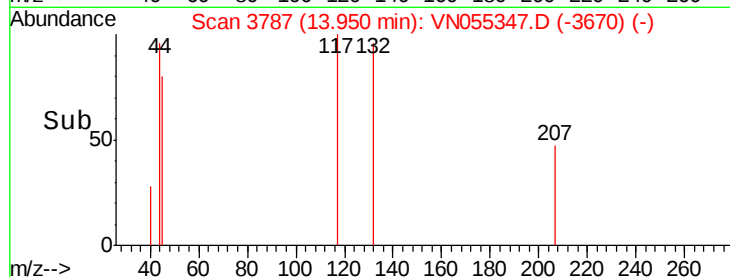
150

100

50

0

Time-->



#95

Naphthalene

Concen: 3.417 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055347.D

Acq: 2 May 2019 13:48

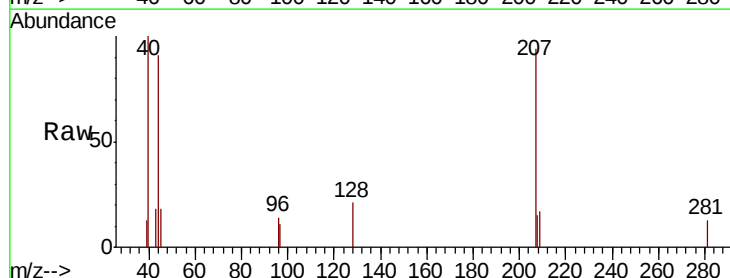
Tgt Ion:128 Resp: 373

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

300

200

150

100

50

0

Time-->

