

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050327.D
 Acq On : 3 Aug 2018 21:12
 Operator : MD\SY
 Sample : PB111719ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#12

Quant Time: Aug 03 23:31:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1064724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	902447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343664	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	459531	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
35) Dibromofluoromethane	7.59	113	400108	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
50) Toluene-d8	10.09	98	1441131	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	
62) 4-Bromofluorobenzene	12.40	95	397636	37.79	ug/l	0.00
Spiked Amount			Recovery	=	75.58%	

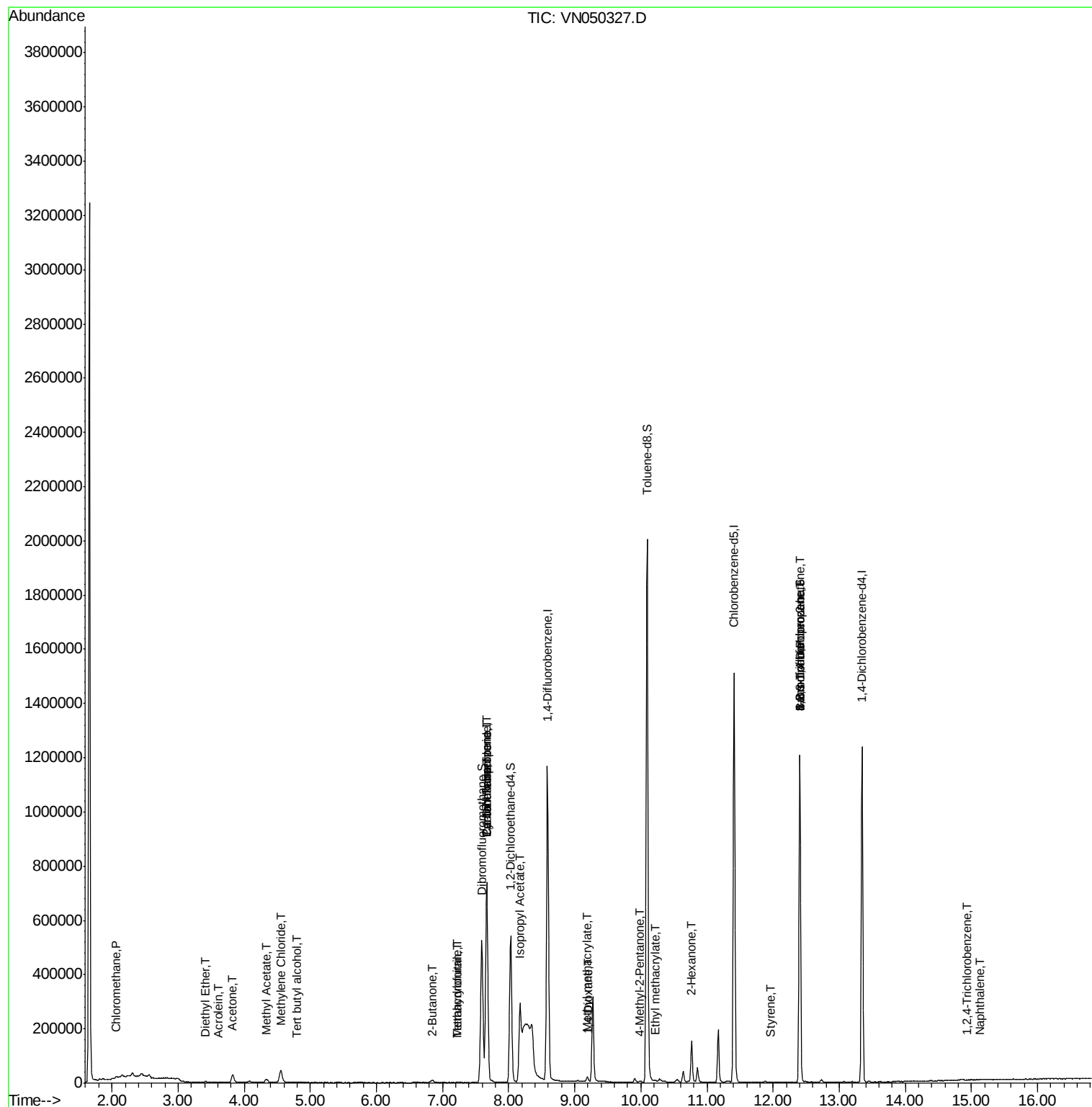
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3374	0.34	ug/l	# 87
5) Bromomethane	2.56	94	4008	Below	Cal	86
8) Diethyl Ether	3.41	74	1054	0.23	ug/l	60
11) Tert butyl alcohol	4.79	59	171	0.26	ug/l	# 72
13) Acrolein	3.61	56	345	0.66	ug/l	93
16) Acetone	3.82	43	48566	19.23	ug/l	99
18) Methyl Acetate	4.33	43	21105	1.00	ug/l	98
20) Methylene Chloride	4.55	84	34269	3.18	ug/l	93
25) 2-Butanone	6.85	43	6725	1.99	ug/l	# 88
29) Tetrahydrofuran	7.22	42	1797	0.82	ug/l	# 56
31) Cyclohexane	7.66	56	11936	0.91	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	45055	3.76	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	57186	4.49	ug/l	# 16
41) Methacrylonitrile	7.21	41	390	2.83	ug/l	# 10
43) Isopropyl Acetate	8.17	43	358309	22.10	ug/l	# 90
48) Methyl methacrylate	9.18	41	9351	1.30	ug/l	# 22
49) 1,4-Dioxane	9.21	88	210	2.14	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	2427	0.30	ug/l	# 87
56) Ethyl methacrylate	10.23	69	3010	2.28	ug/l	# 84
59) 2-Hexanone	10.77	43	23090	8.92	ug/l	# 59
70) Styrene	11.97	104	384	0.94	ug/l	# 42
71) Bromoform	12.41	173	3530	0.55	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	313	Below	Cal	# 1
76) 1,2,3-Trichloropropane	12.40	75	193736	30.33	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	193736	96.21	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	329	Below	Cal	# 1
93) 1,2,4-Trichlorobenzene	14.92	180	30	3.09	ug/l	# 13
95) Naphthalene	15.13	128	803	4.46	ug/l	# 69

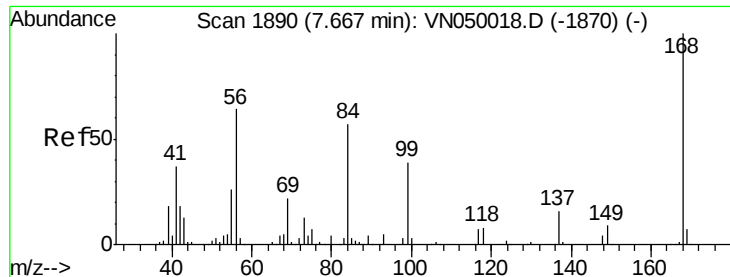
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080318\
Data File : VN050327.D
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Sample : PB111719ZHE#12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 03 23:31:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

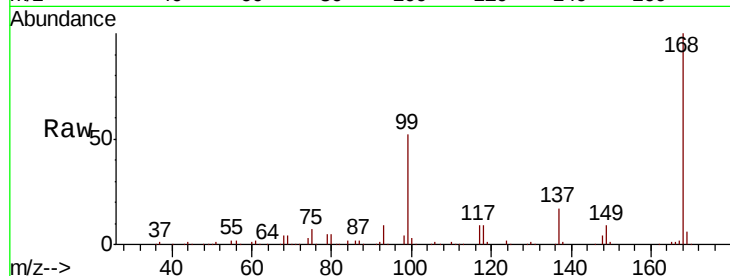
PB111719ZHE#12

Tot Ion:168 Resp: 635844

Ion Ratio Lower Upper

168 100

99 51.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

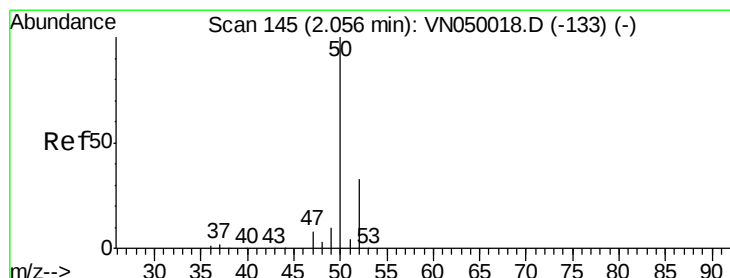
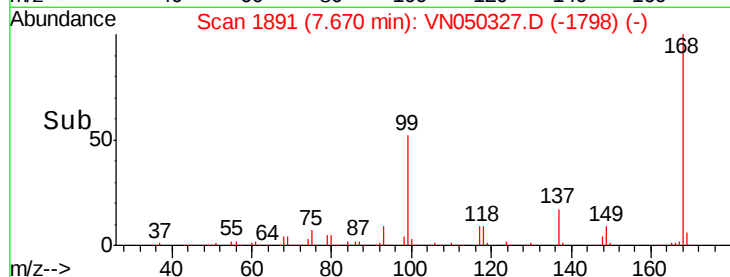
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.34 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050327.D

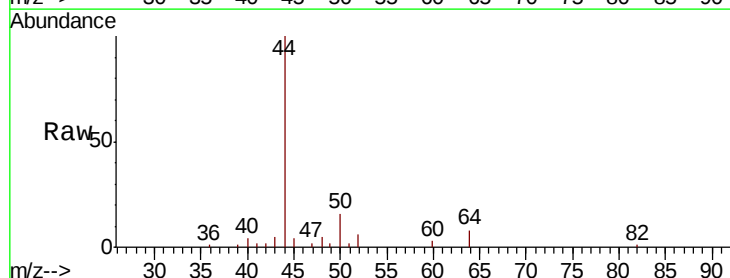
Acq: 3 Aug 2018 21:12

Tgt Ion: 50 Resp: 3374

Ion Ratio Lower Upper

50 100

52 39.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

1500

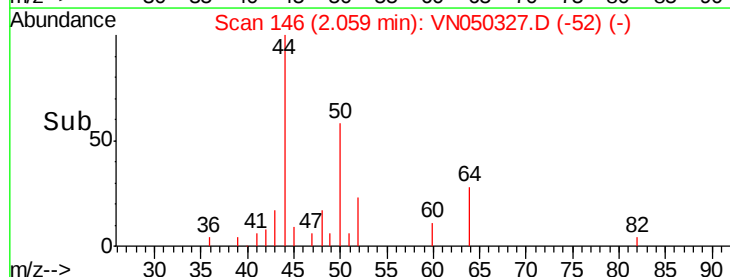
1000

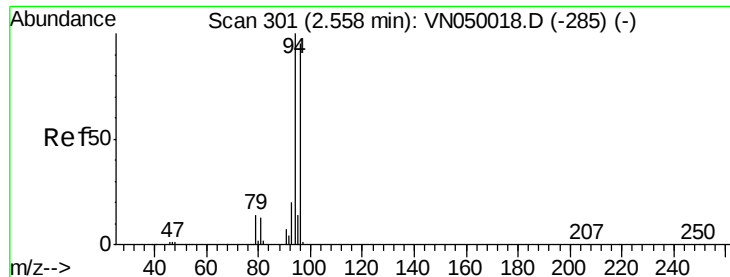
500

0

Time-->

2.02 2.04 2.06 2.08 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

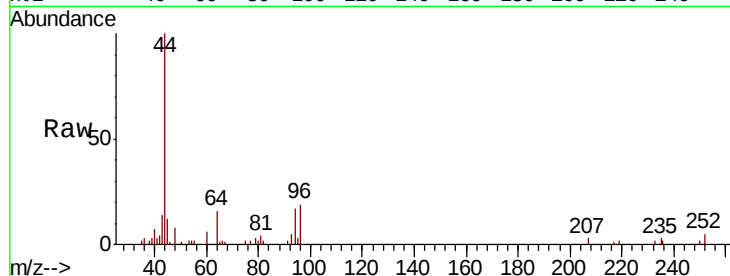
PB111719ZHE#12

Tot Ion: 94 Resp: 4008

Ion Ratio Lower Upper

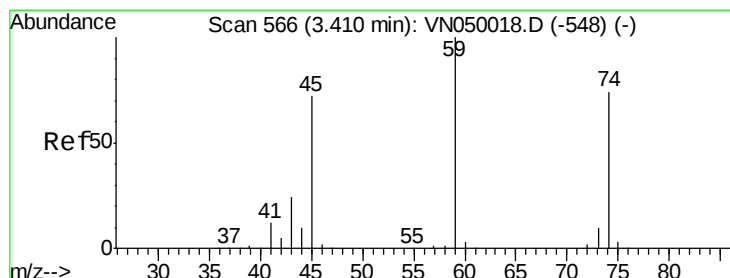
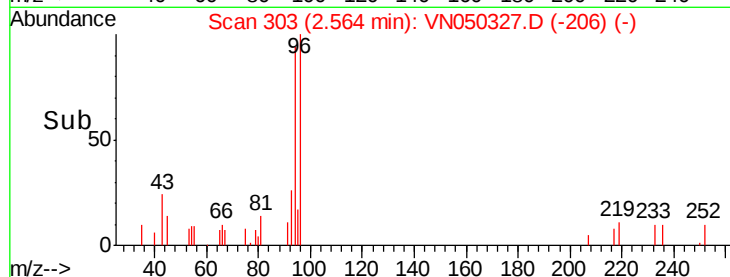
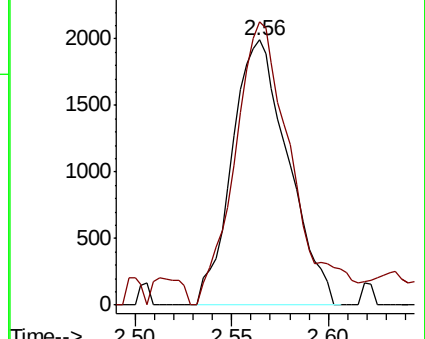
94 100

96 106.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.23 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050327.D

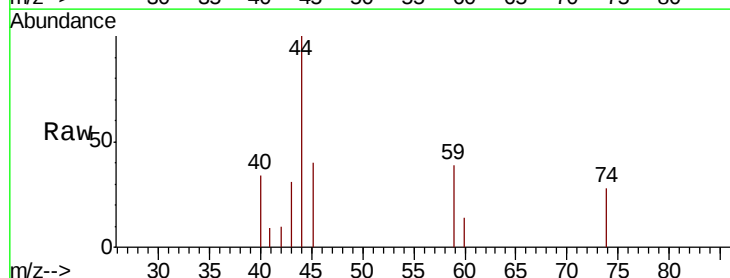
Acq: 3 Aug 2018 21:12

Tgt Ion: 74 Resp: 1054

Ion Ratio Lower Upper

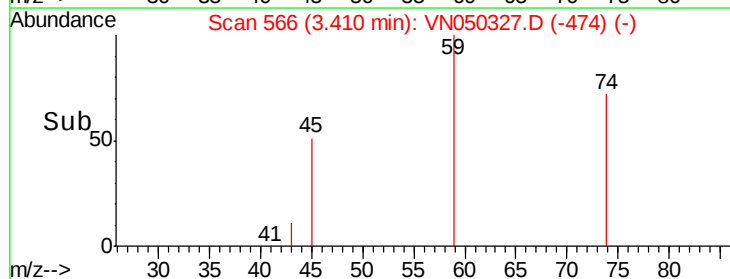
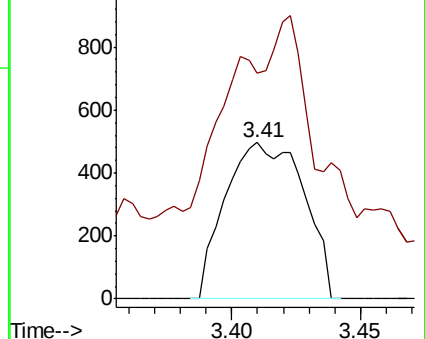
74 100

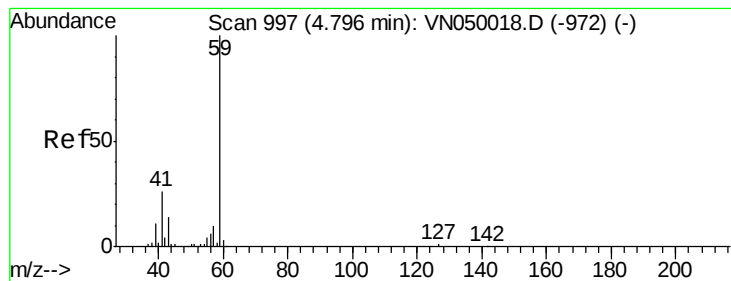
45 56.6 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



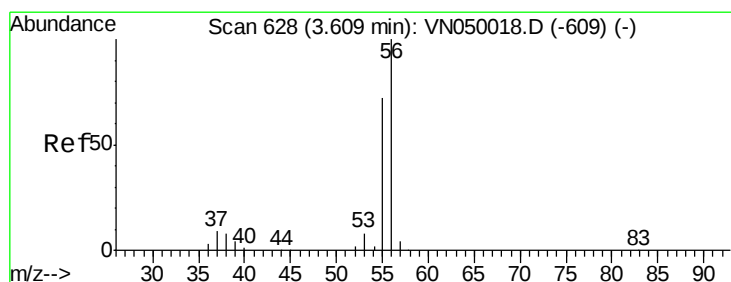
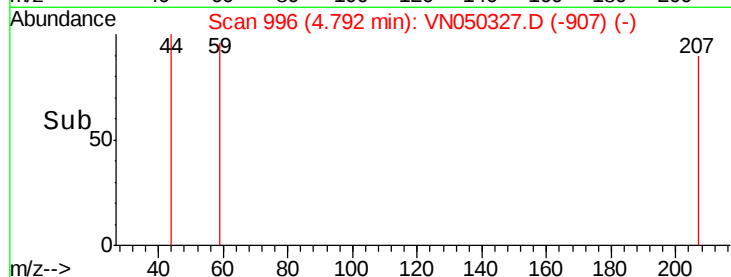
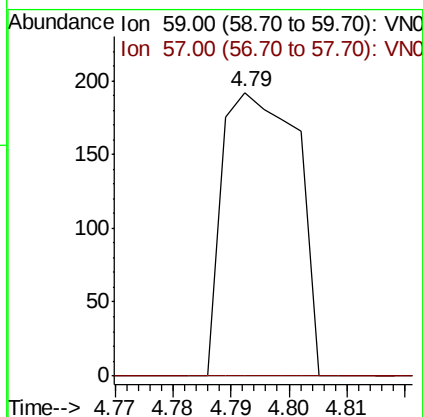
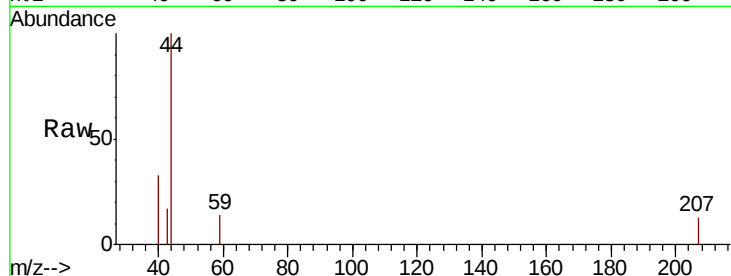


#11

Tert butvl alcohol
 Concen: 0.26 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#12

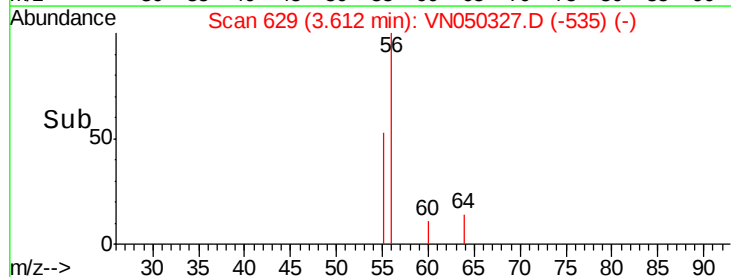
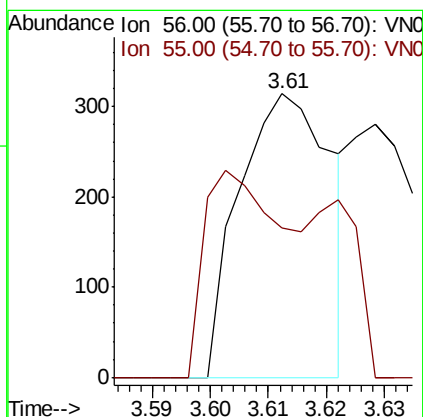
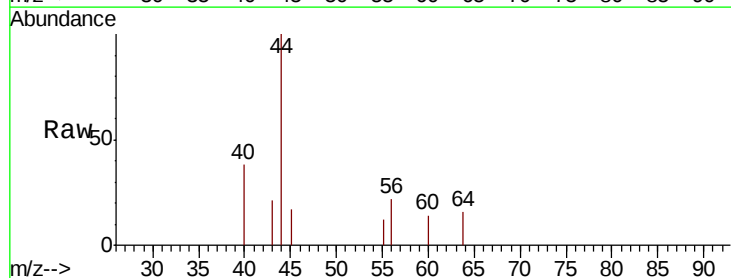
Tot Ion: 59 Resp: 171
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

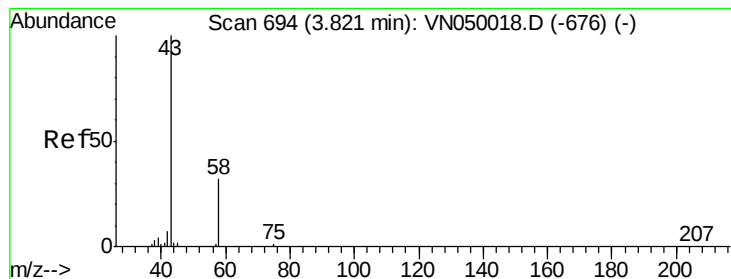


#13

Acrolein
 Concen: 0.66 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

Tgt Ion: 56 Resp: 345
 Ion Ratio Lower Upper
 56 100
 55 64.3 55.8 83.6





#16

Acetone

Concen: 19.23 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

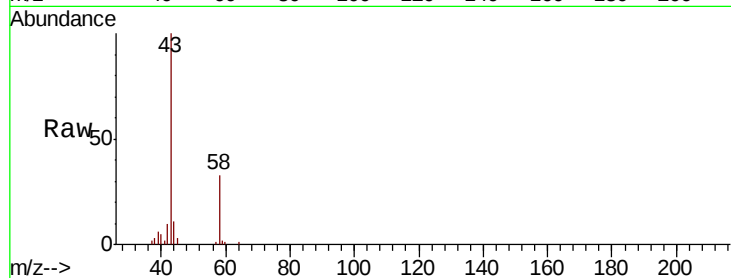
PB111719ZHE#12

Tot Ion: 43 Resp: 48566

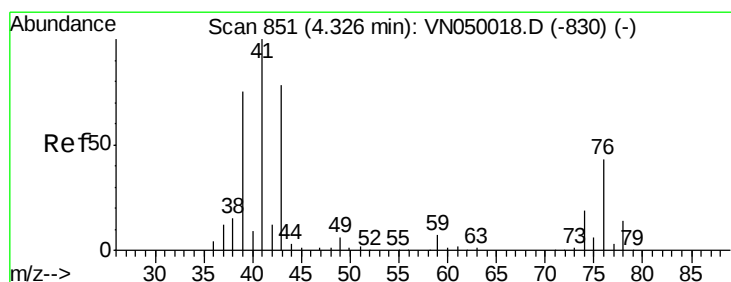
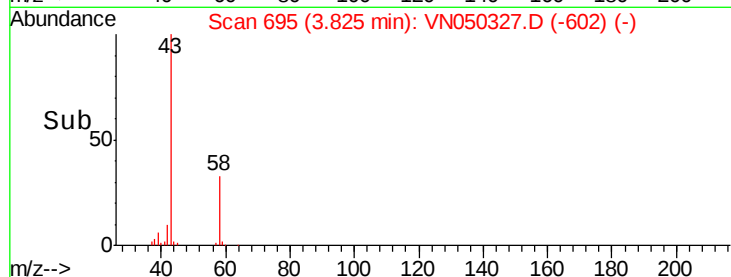
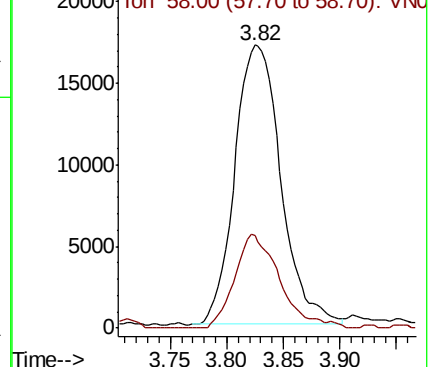
Ion Ratio Lower Upper

43 100

58 33.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050327.D (-602) (-)



#18

Methyl Acetate

Concen: 1.00 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050327.D

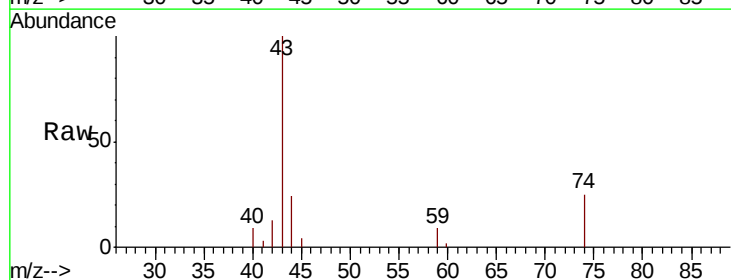
Acq: 3 Aug 2018 21:12

Tgt Ion: 43 Resp: 21105

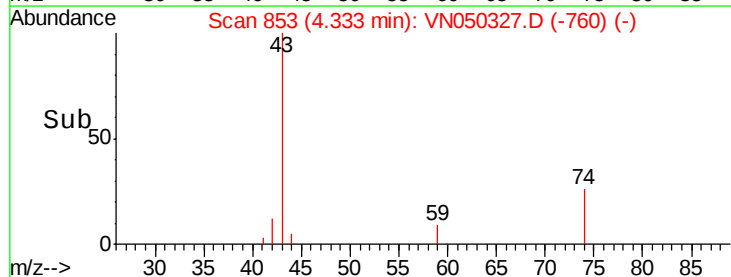
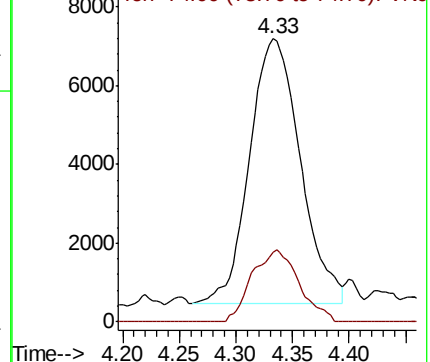
Ion Ratio Lower Upper

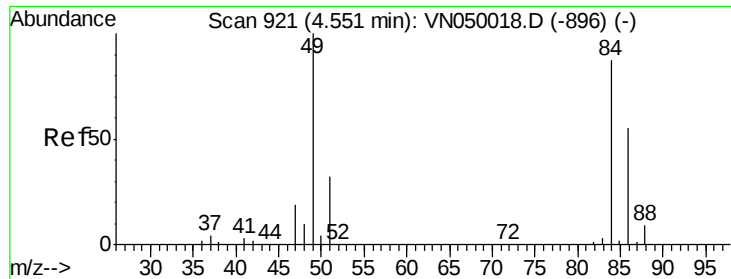
43 100

74 25.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050327.D (-760) (-)

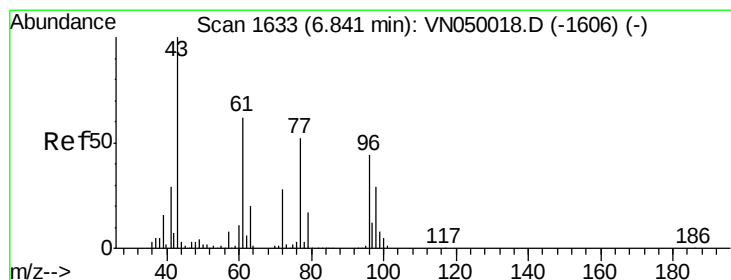
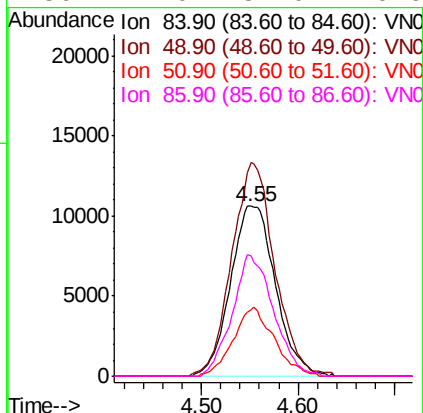
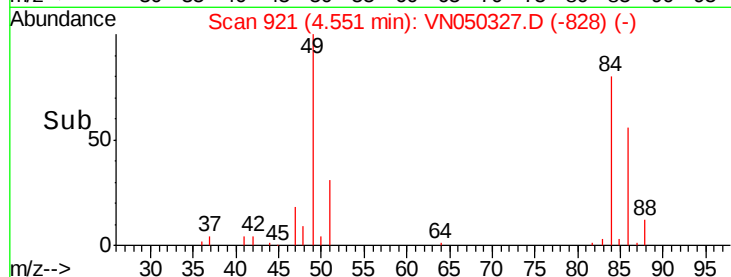
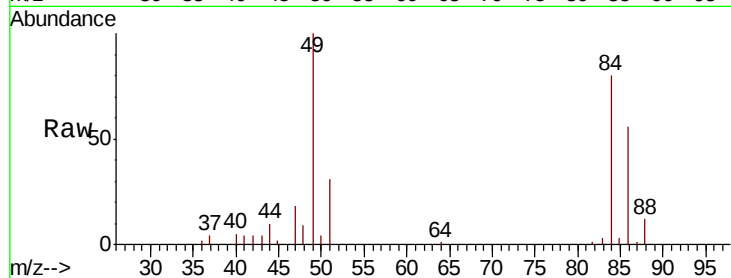




#20
Methvlene Chloride
Concen: 3.18 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050327.D
Acq: 3 Aug 2018 21:12

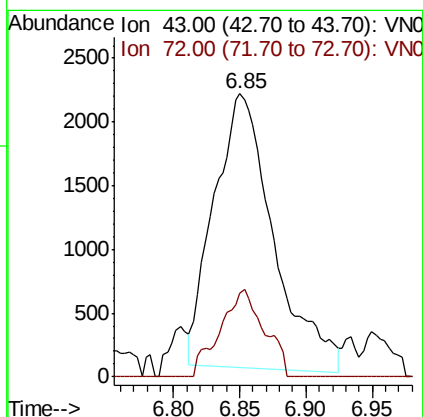
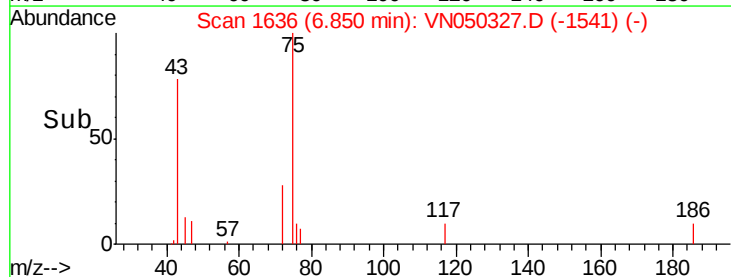
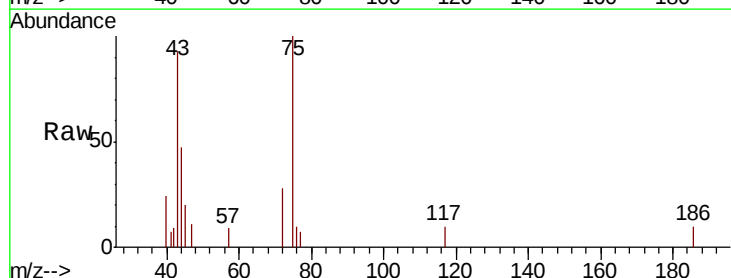
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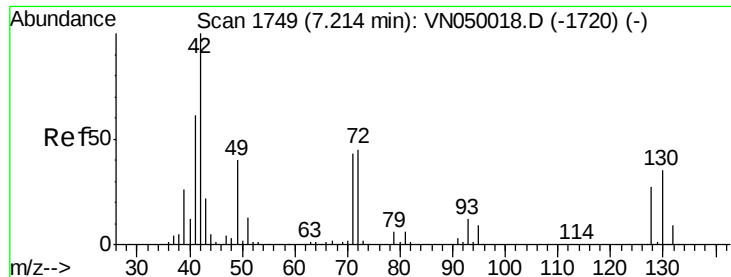
Tot Ion:	84	Resp:	34269
Ion	Ratio	Lower	Upper
84	100		
49	125.7	94.8	142.2
51	39.2	28.3	42.5
86	71.0	51.0	76.6



#25
2-Butanone
Concen: 1.99 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050327.D
Acq: 3 Aug 2018 21:12

Tgt Ion:	43	Resp:	6725
Ion	Ratio	Lower	Upper
43	100		
72	32.9	21.5	32.3#

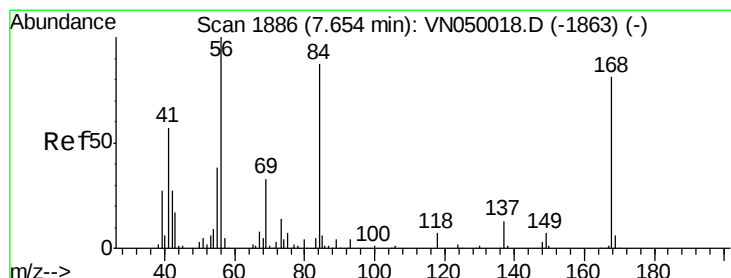
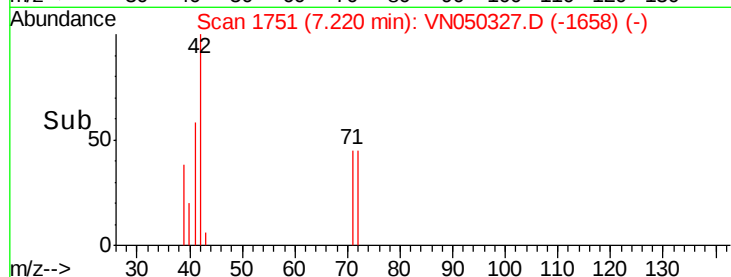
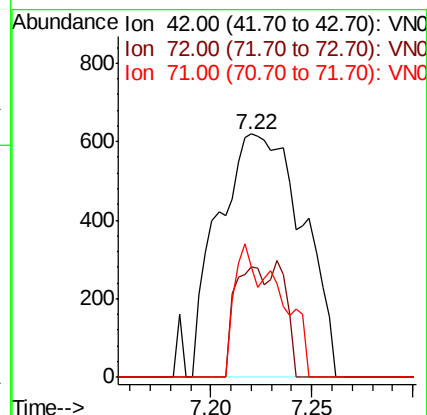
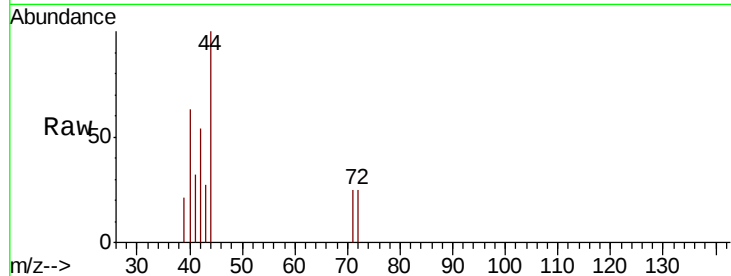




#29
Tetrahydrofuran
Concen: 0.82 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050327.D
Acq: 3 Aug 2018 21:12

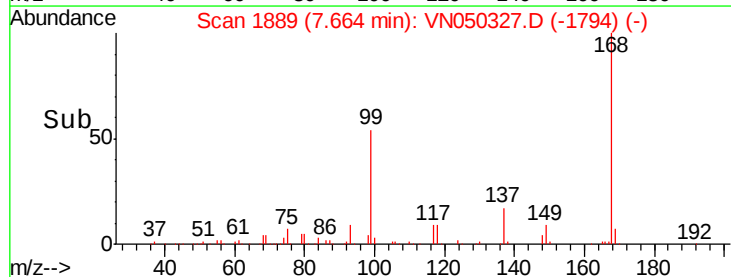
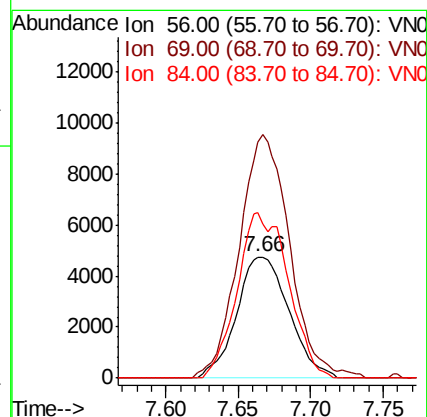
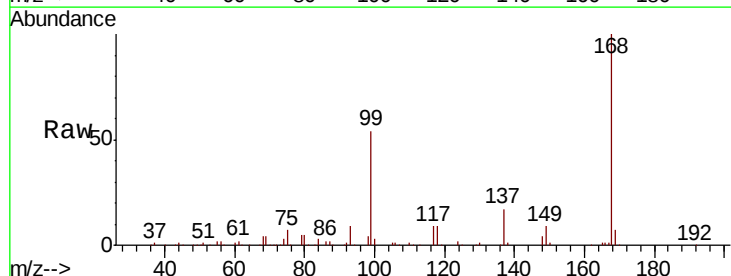
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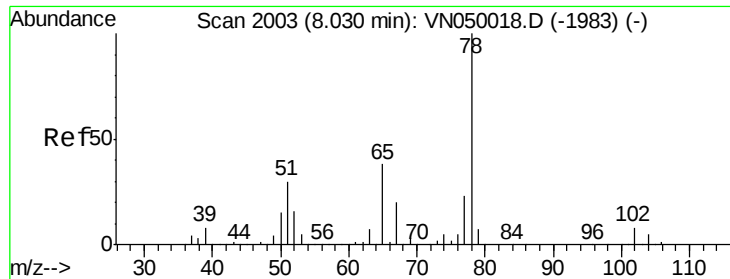
Tot Ion: 42 Resp: 1797
Ion Ratio Lower Upper
42 100
72 16.4 35.9 53.9#
71 14.4 33.7 50.5#



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050327.D
Acq: 3 Aug 2018 21:12

Tgt Ion: 56 Resp: 11936
Ion Ratio Lower Upper
56 100
69 194.4 26.2 39.4#
84 136.0 67.4 101.0#

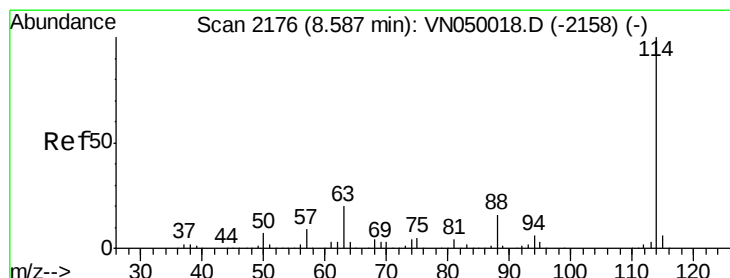
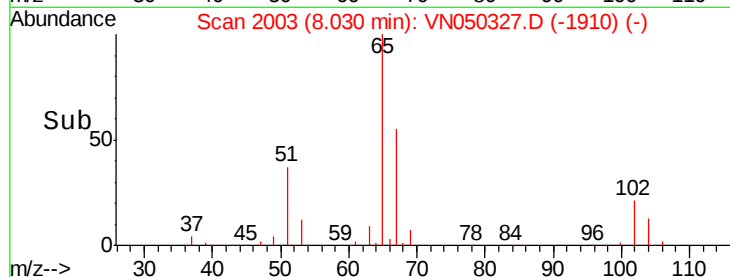
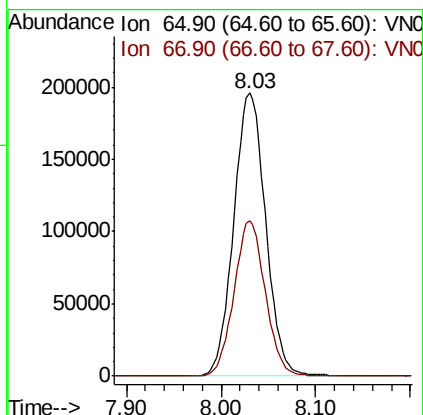
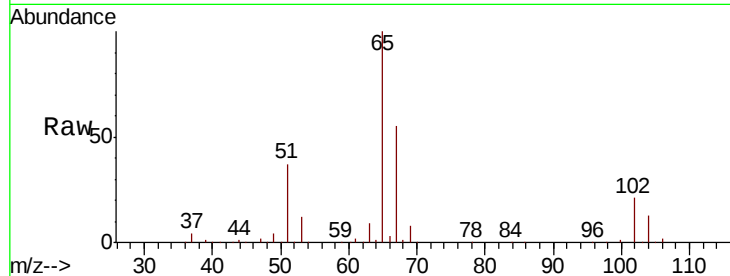




#33
 1,2-Dichloroethane-d4
 Concen: 51.80 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

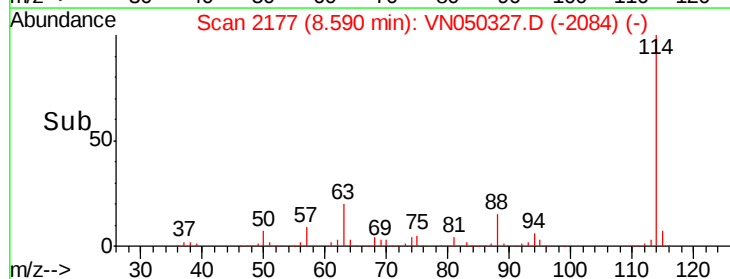
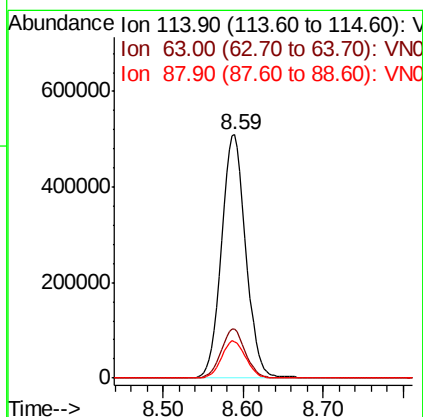
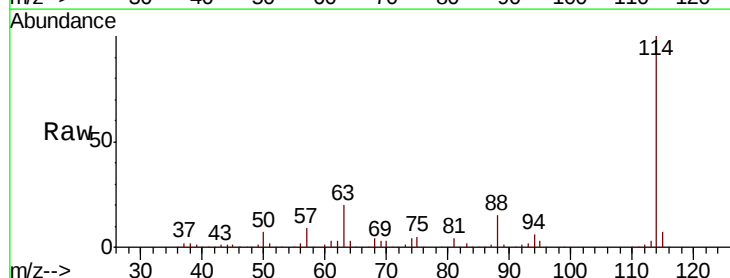
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#12

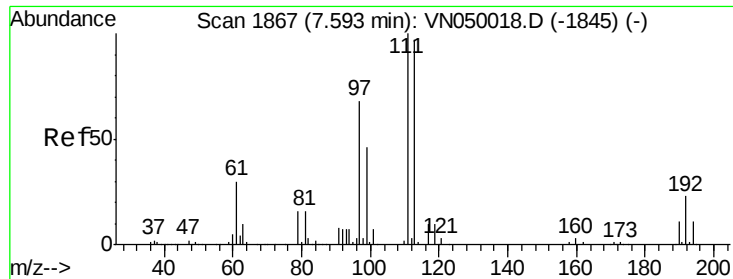
Tot Ion: 65 Resp: 459531
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

Tgt Ion: 114 Resp: 1064724
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.2 0.0 31.2

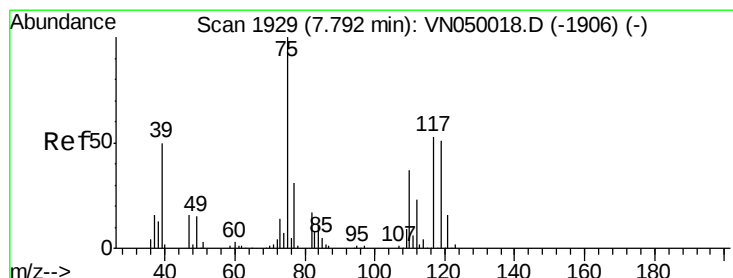
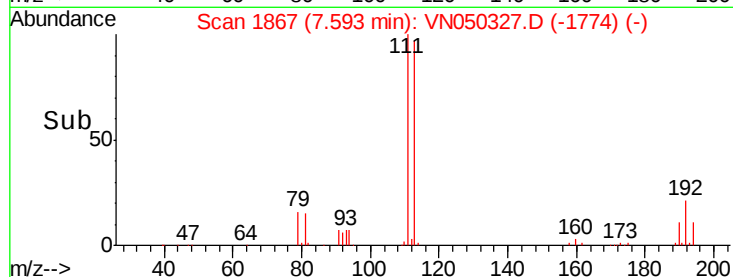
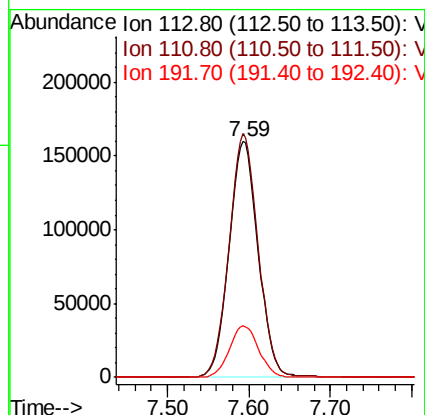
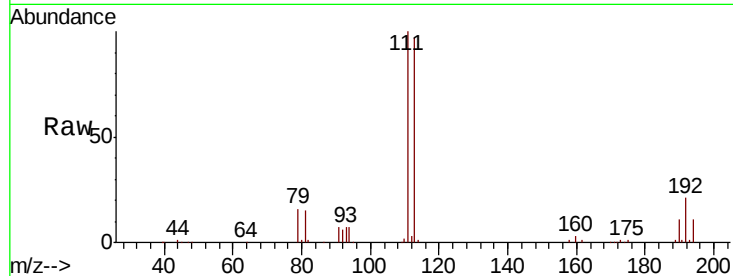




#35
 Dibromofluoromethane
 Concen: 46.03 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

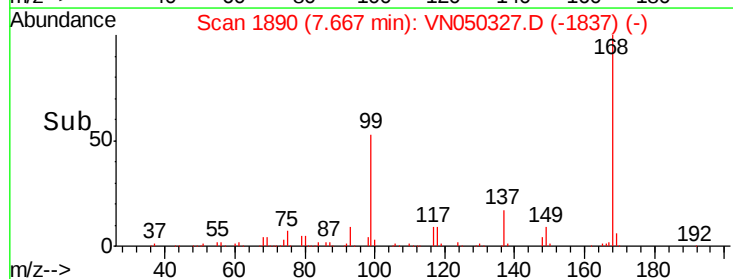
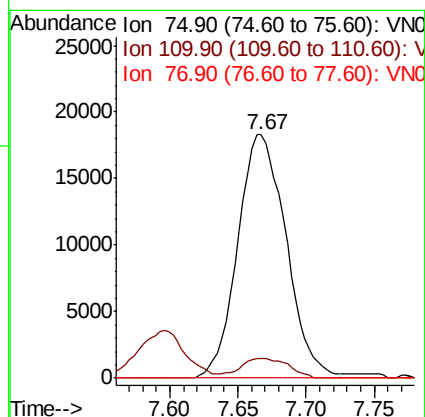
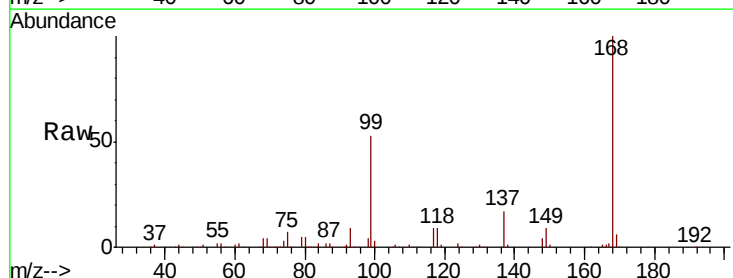
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#12

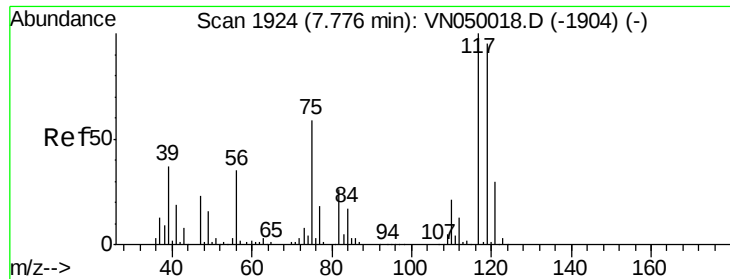
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.7	121.1
192	22.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.4	55.2#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 4.49 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#12

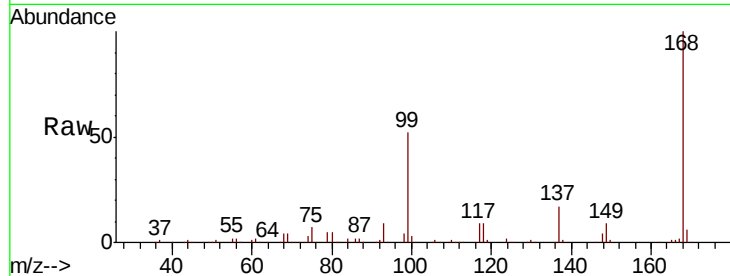
Tot Ion:117 Resp: 57186

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

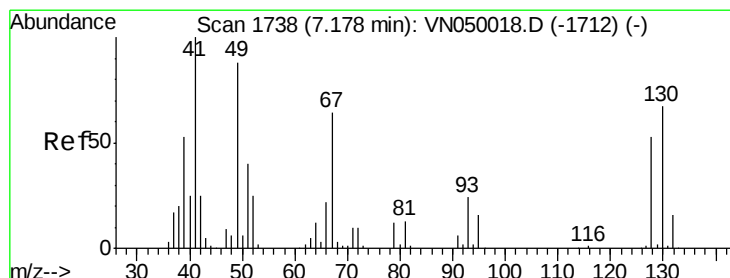
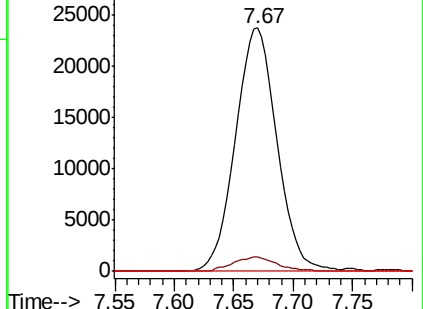
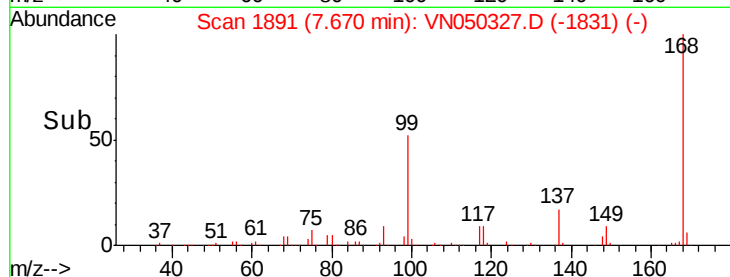
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.83 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. 0.04 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Tgt Ion: 41 Resp: 390

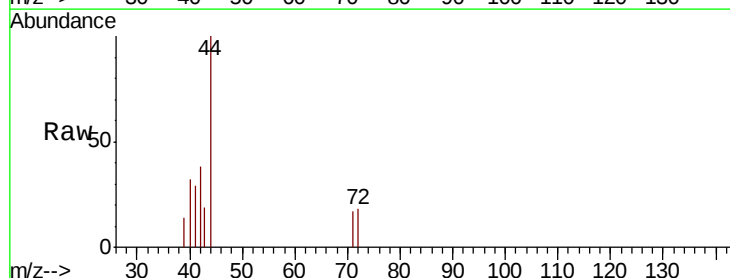
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

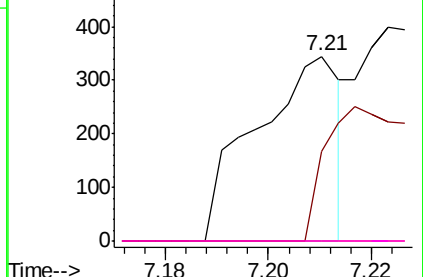
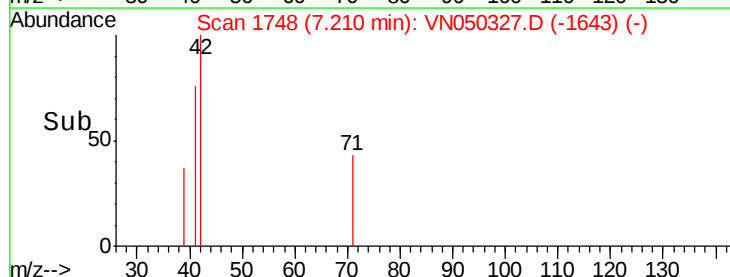


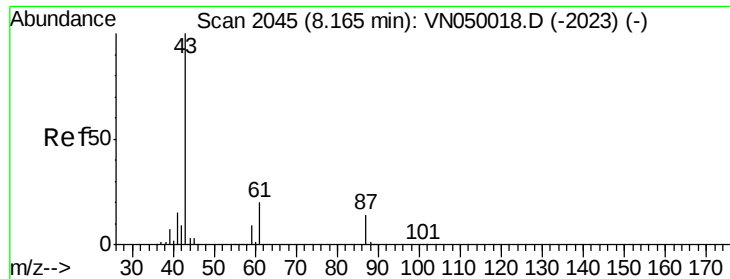
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 22.10 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#12

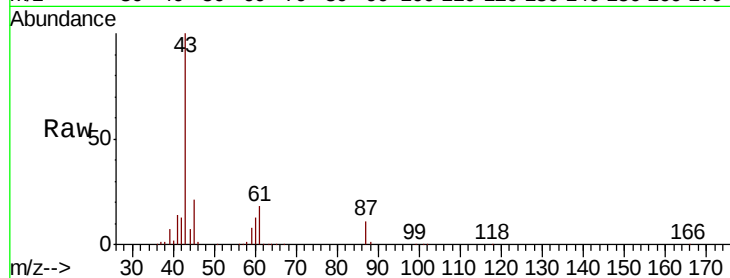
Tot Ion: 43 Resp: 358309

Ion Ratio Lower Upper

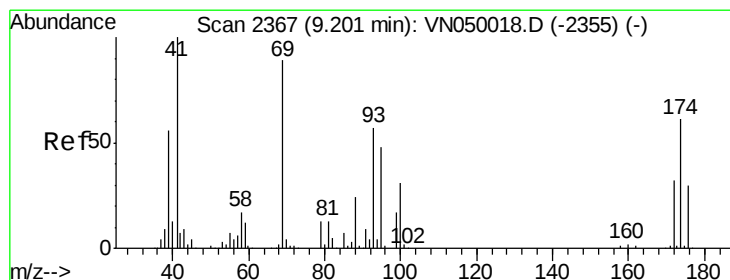
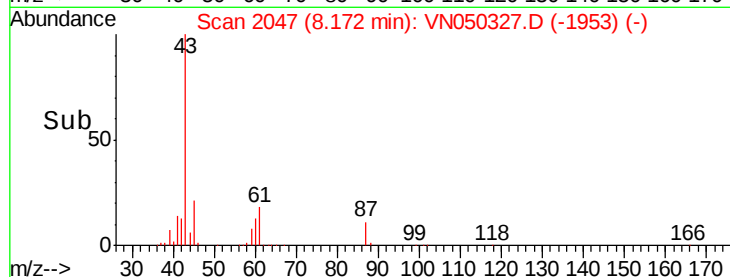
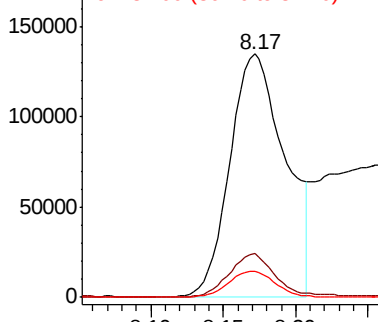
43 100

61 15.2 15.8 23.6#

87 9.1 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 1.30 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

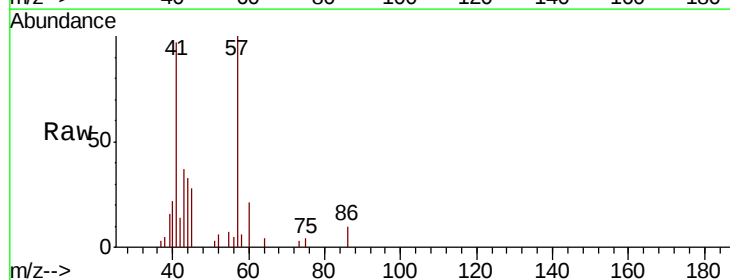
Tgt Ion: 41 Resp: 9351

Ion Ratio Lower Upper

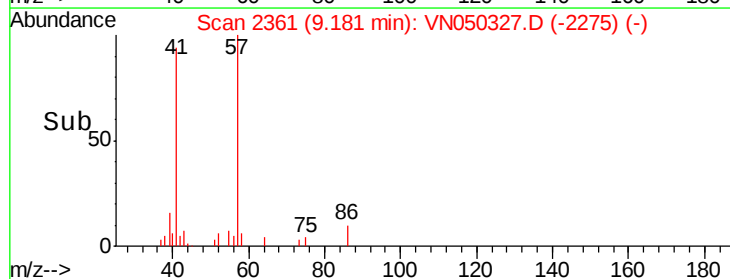
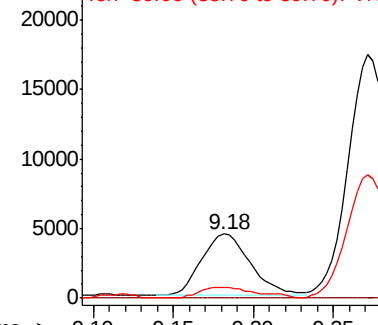
41 100

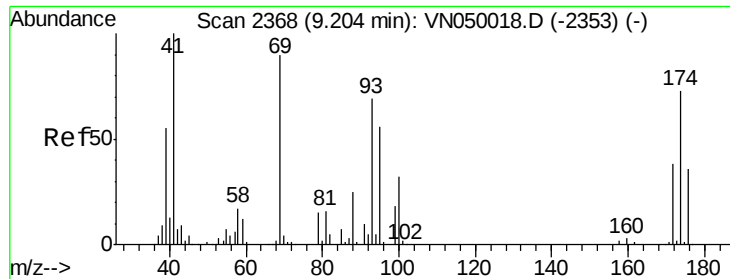
69 0.0 70.6 105.8#

39 17.3 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 2.14 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#12

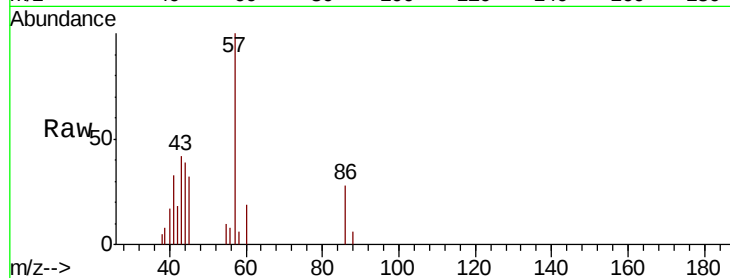
Tot Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 0.0 26.9 40.3#

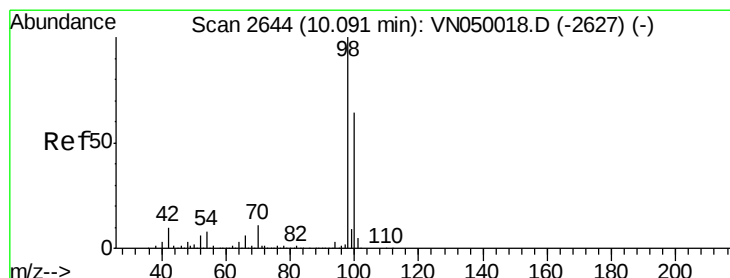
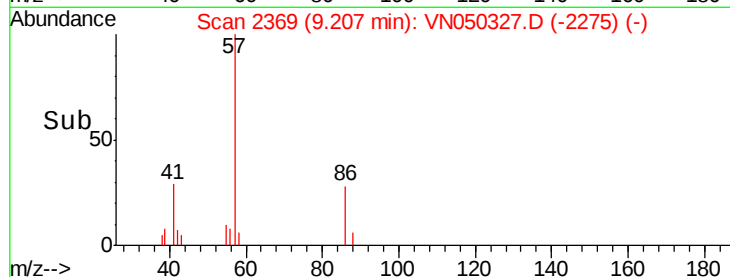
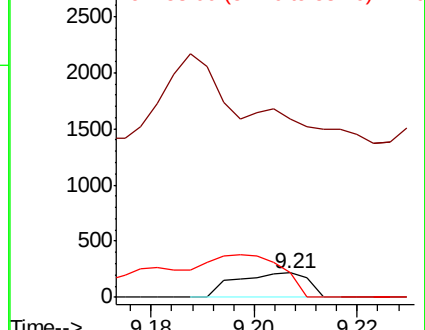
58 202.4 57.3 85.9#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 45.09 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050327.D

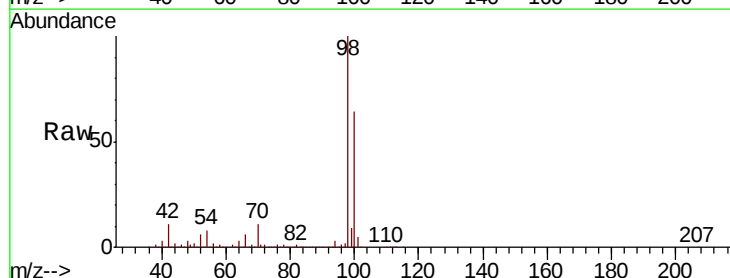
Acq: 3 Aug 2018 21:12

Tgt Ion: 98 Resp: 1441131

Ion Ratio Lower Upper

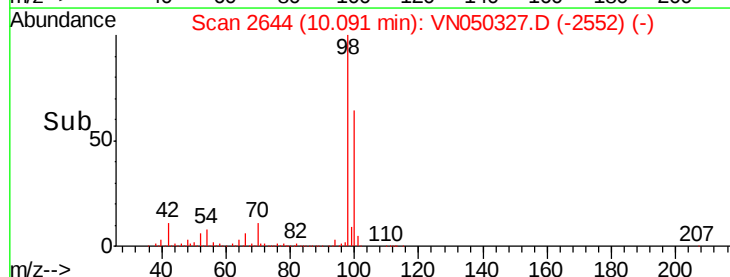
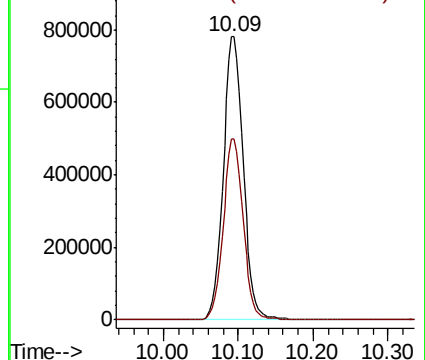
98 100

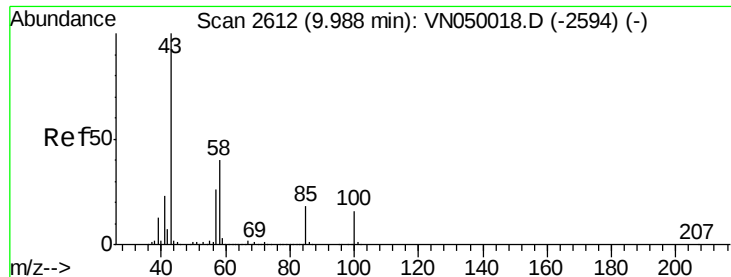
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

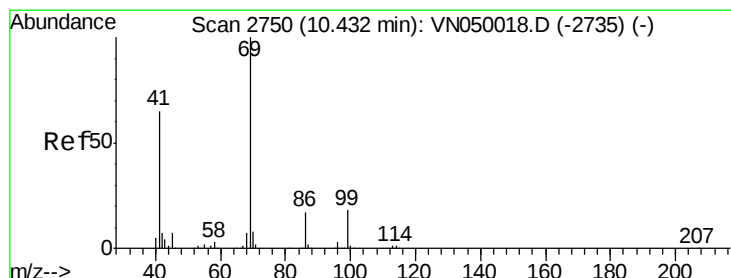
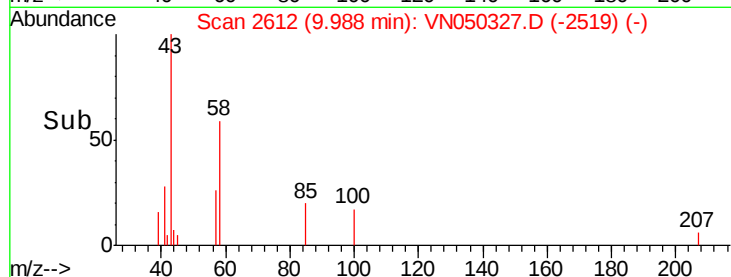
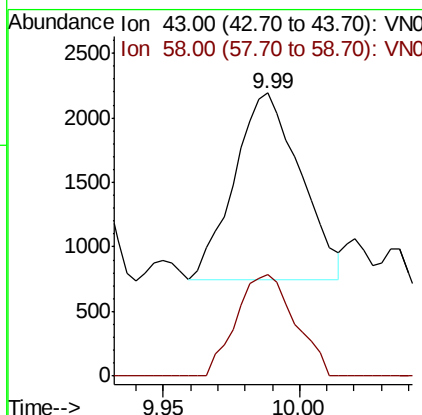
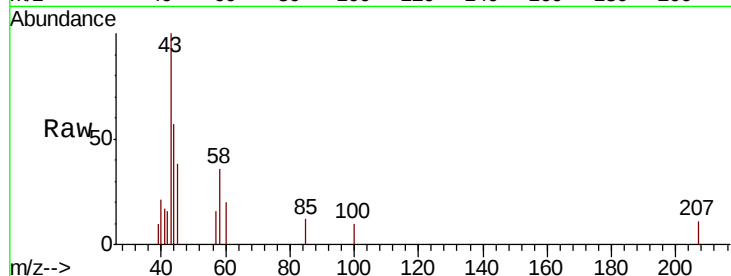




#51
 4-Methyl-2-Pentanone
 Concen: 0.30 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

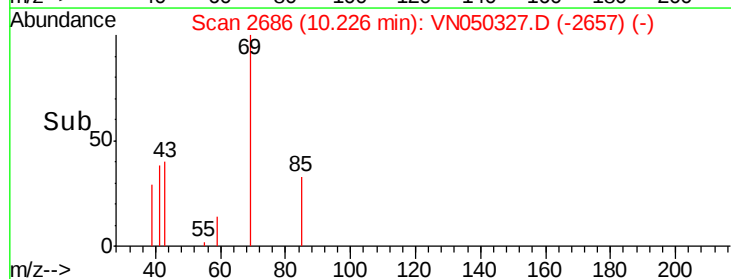
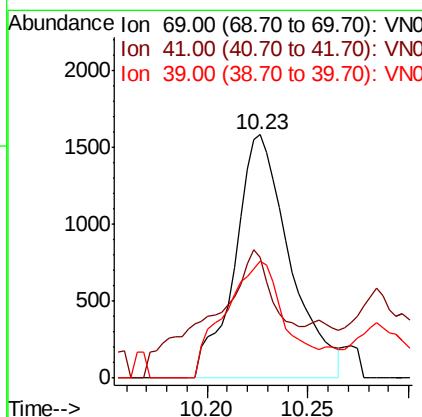
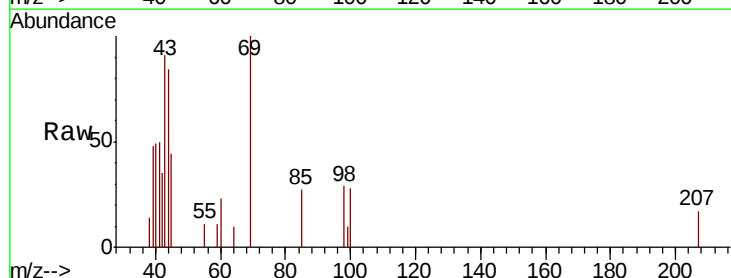
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#12

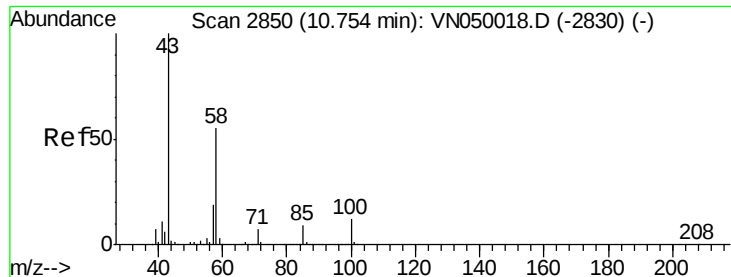
Tot Ion: 43 Resp: 2427
 Ion Ratio Lower Upper
 43 100
 58 48.2 31.9 47.9#



#56
 Ethyl methacrylate
 Concen: 2.28 ug/l
 RT: 10.23 min Scan# 2686
 Delta R.T. -0.21 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

Tgt Ion: 69 Resp: 3010
 Ion Ratio Lower Upper
 69 100
 41 67.9 51.0 76.4
 39 53.3 26.6 40.0#





#59

2-Hexanone

Concen: 8.92 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

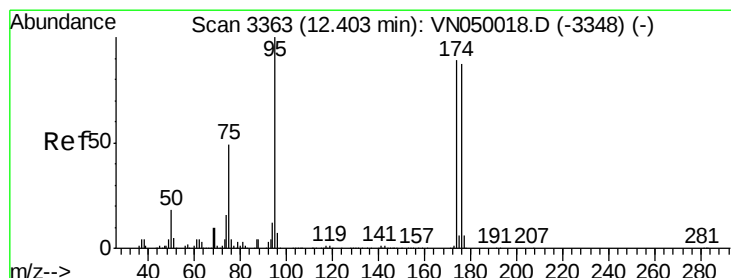
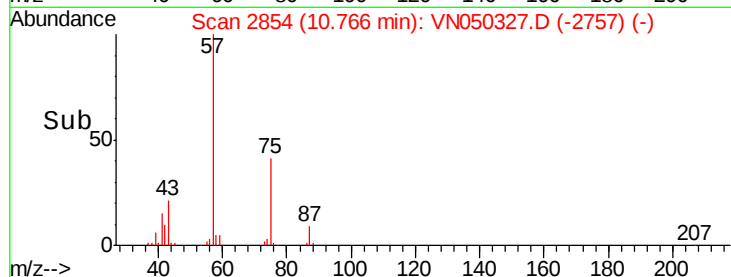
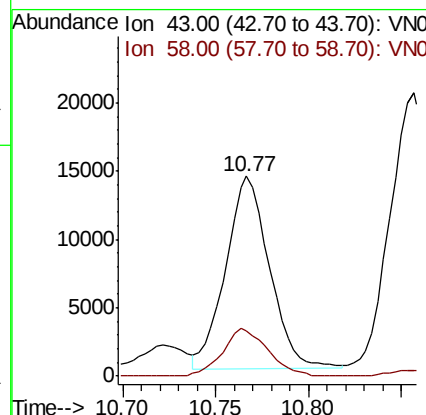
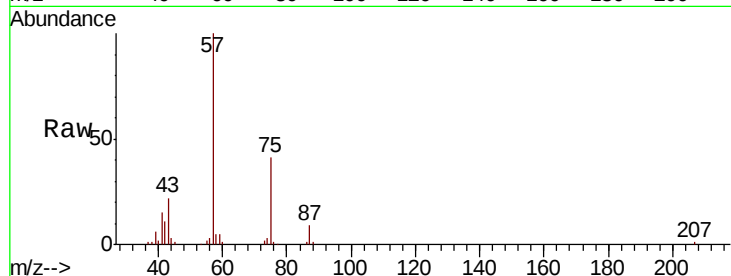
PB111719ZHE#12

Tot Ion: 43 Resp: 23090

Ion Ratio Lower Upper

43 100

58 25.3 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 37.79 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

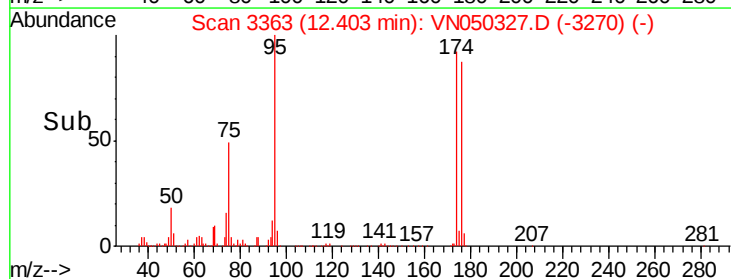
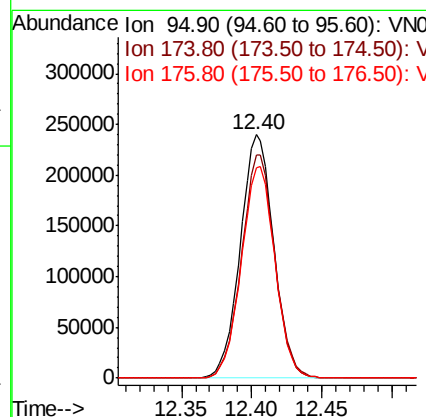
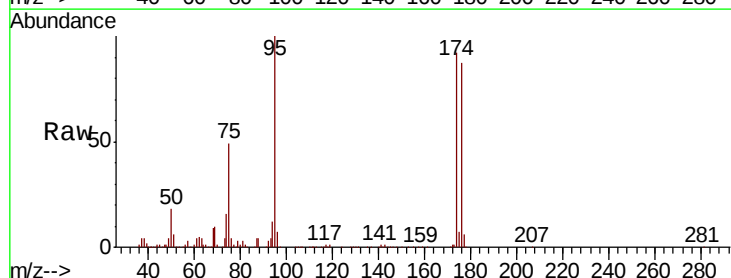
Tgt Ion: 95 Resp: 397636

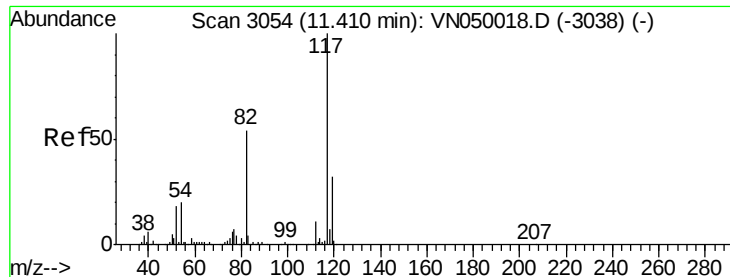
Ion Ratio Lower Upper

95 100

174 91.7 0.0 178.2

176 87.7 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#12

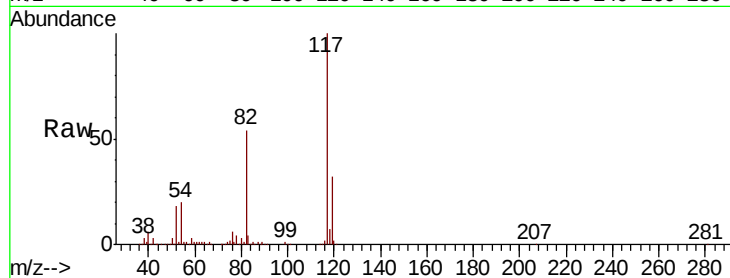
Tot Ion:117 Resp: 902447

Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

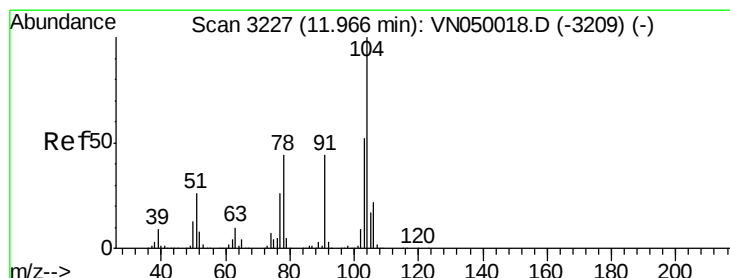
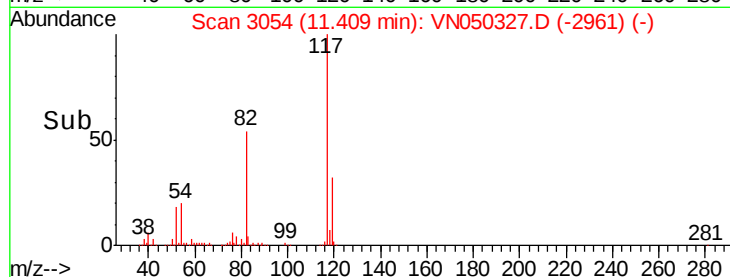
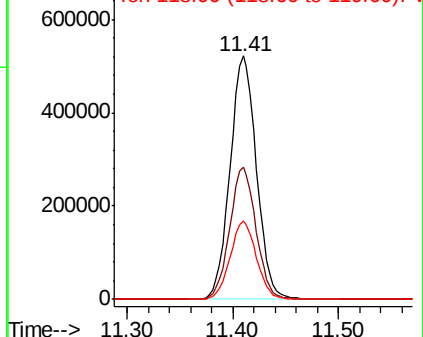
119 32.2 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#70

Styrene

Concen: 0.94 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

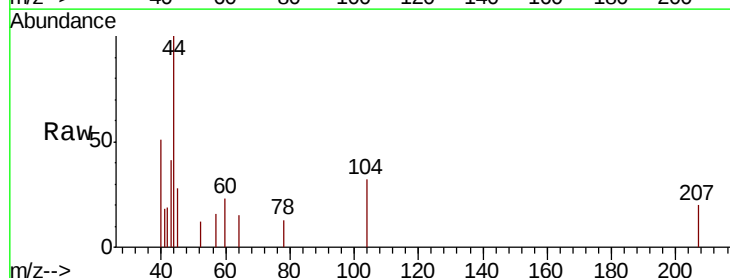
Tgt Ion:104 Resp: 384

Ion Ratio Lower Upper

104 100

78 24.2 39.3 58.9#

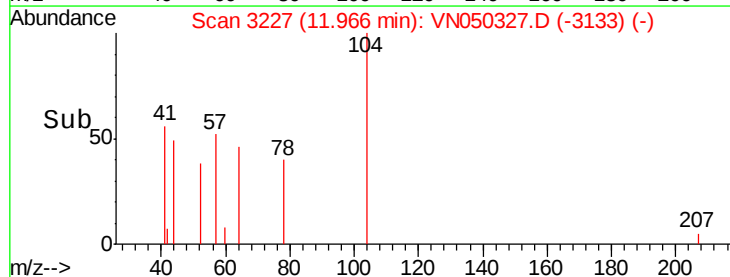
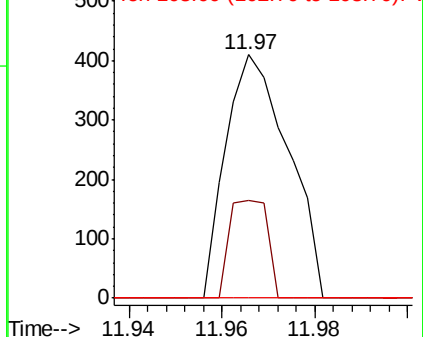
103 0.0 45.0 67.6#

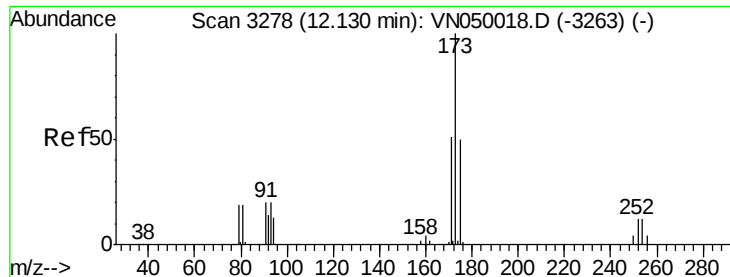


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.55 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#12

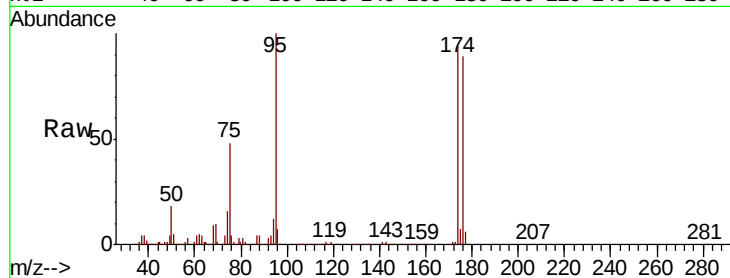
Tot Ion:173 Resp: 3530

Ion Ratio Lower Upper

173 100

175 645.2 24.1 72.2#

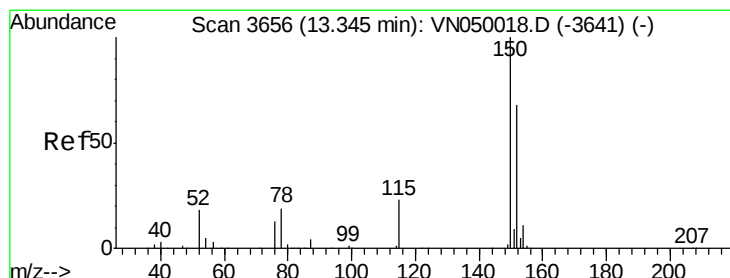
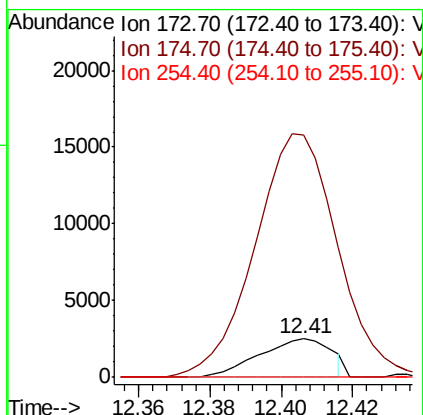
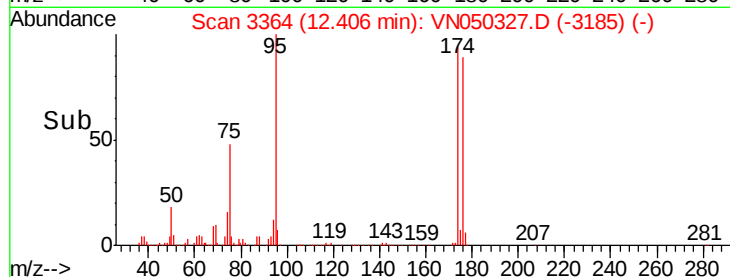
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

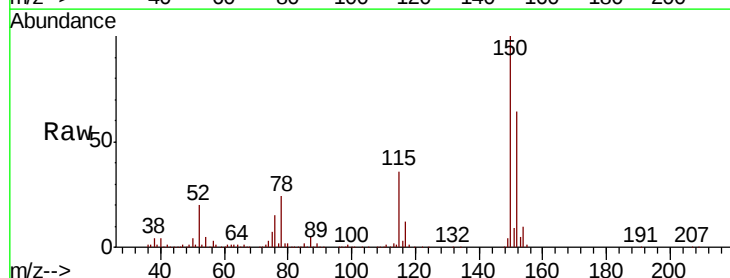
Tgt Ion:152 Resp: 343664

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

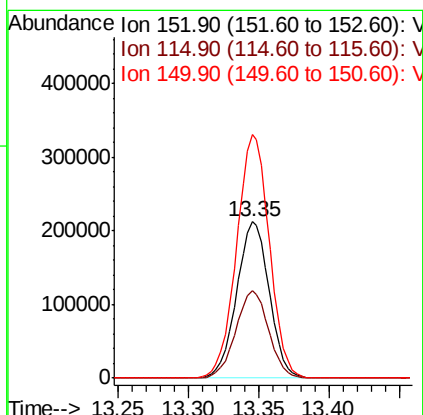
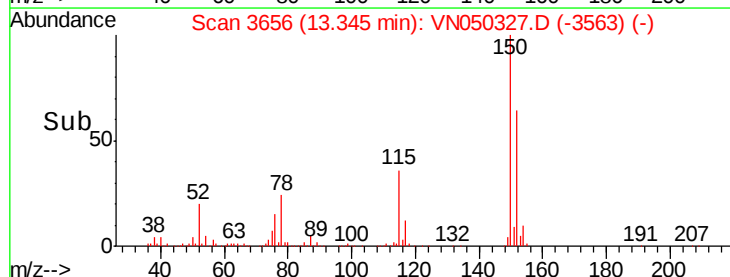
150 156.4 0.0 348.6

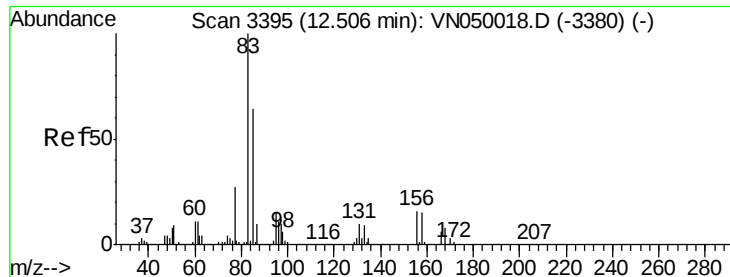


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3362

Delta R.T. -0.11 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#12

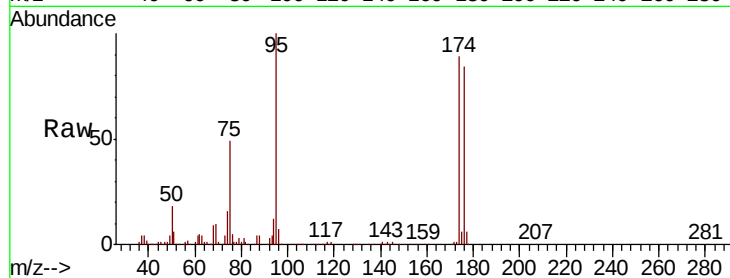
Tot Ion: 83 Resp: 313

Ion Ratio Lower Upper

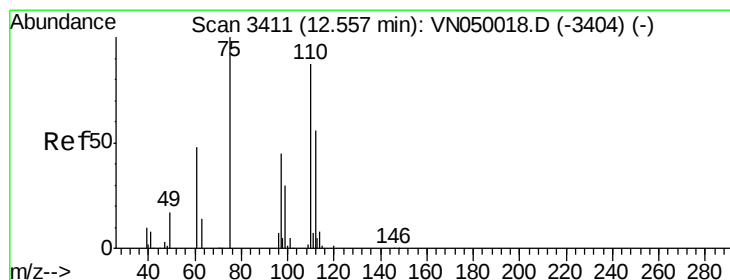
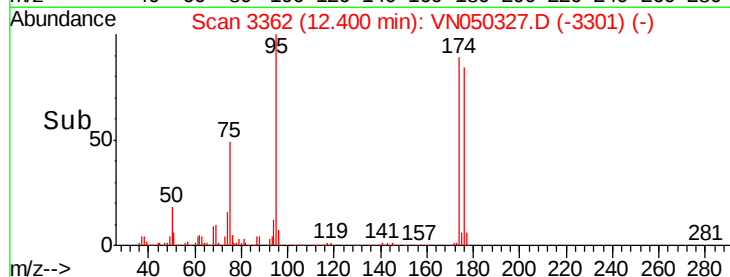
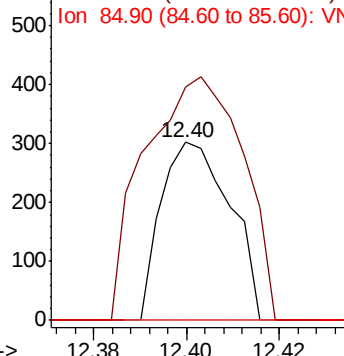
83 100

131 194.2 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050327.D

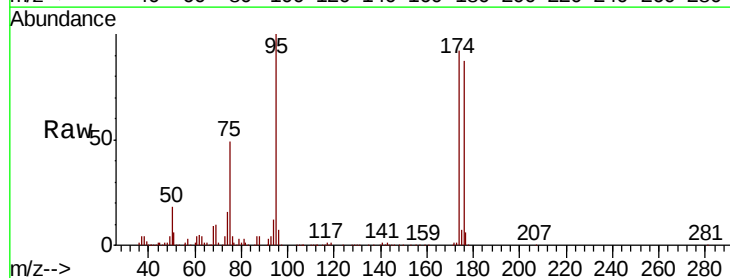
Acq: 3 Aug 2018 21:12

Tgt Ion: 75 Resp: 193736

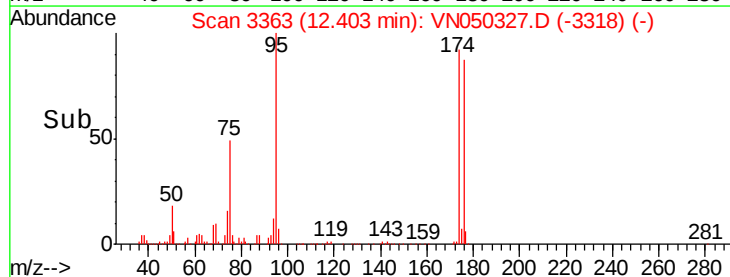
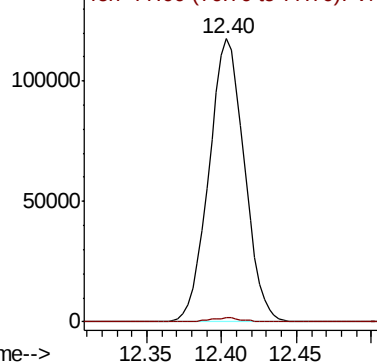
Ion Ratio Lower Upper

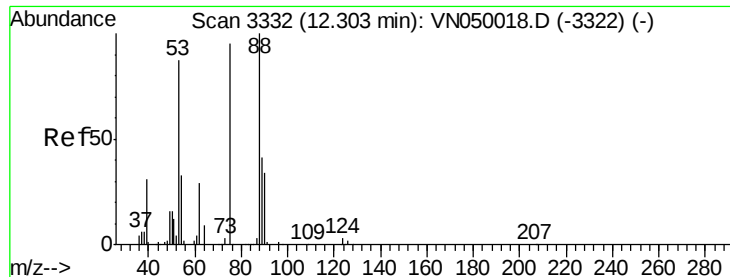
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 96.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#12

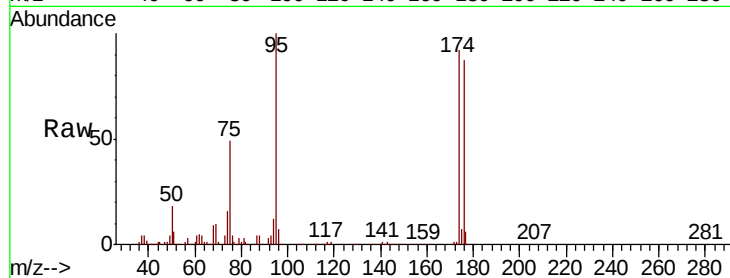
Tot Ion: 75 Resp: 193736

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#



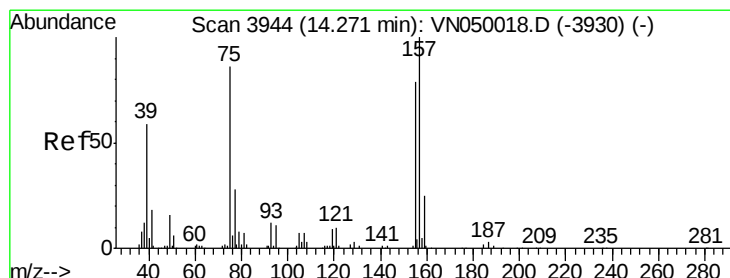
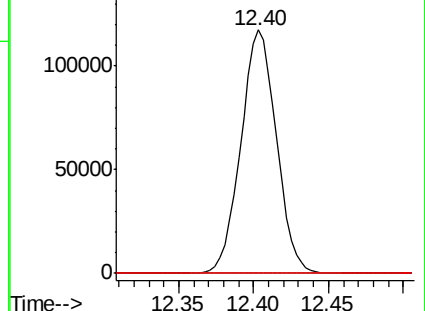
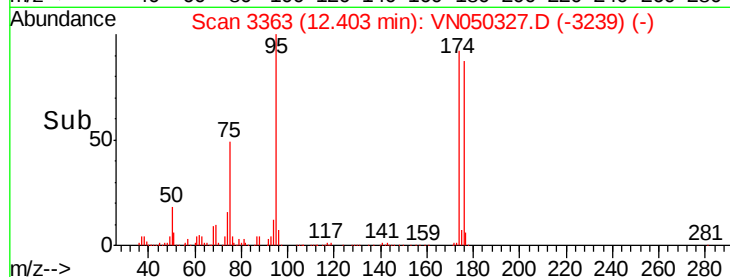
Abundance

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

12.40



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN050327.D

Acq: 3 Aug 2018 21:12

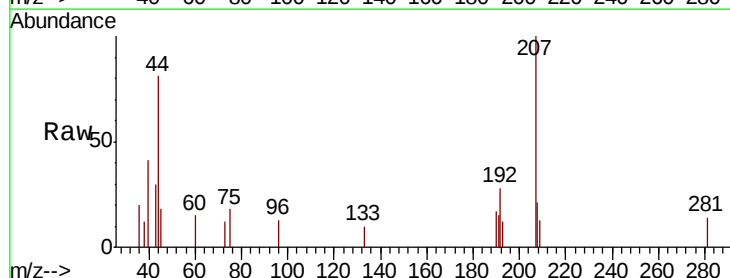
Tgt Ion: 75 Resp: 329

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 57.2 171.6#



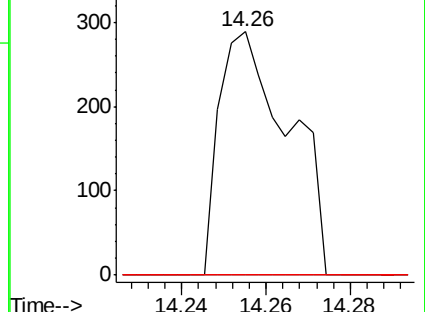
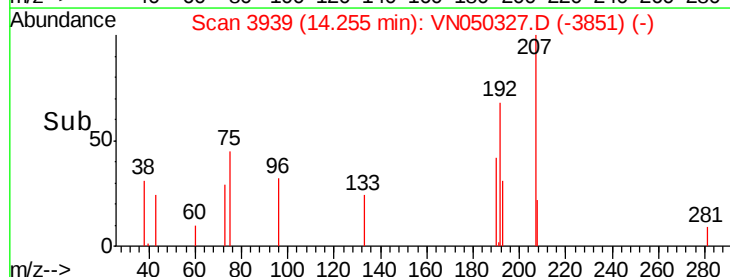
Abundance

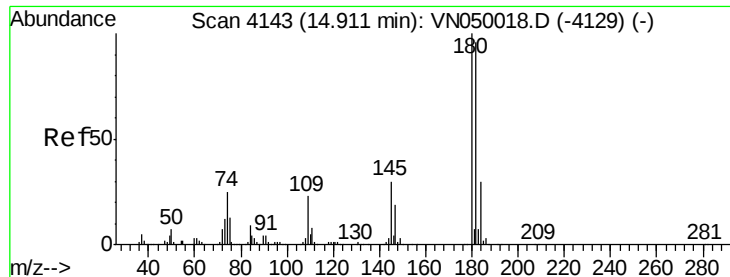
Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.26

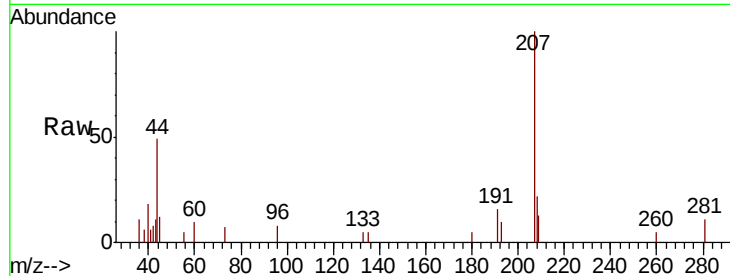




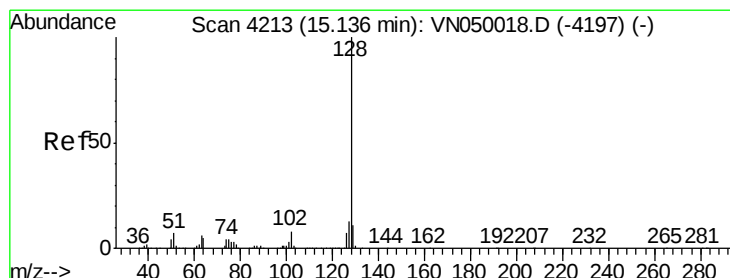
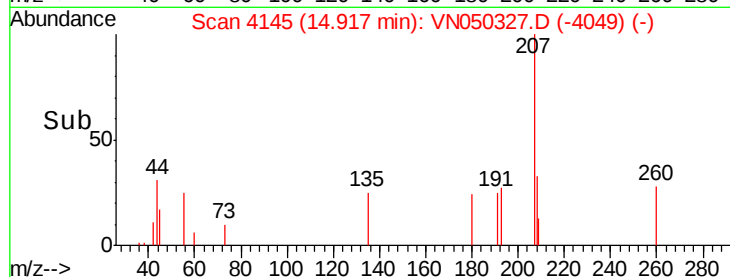
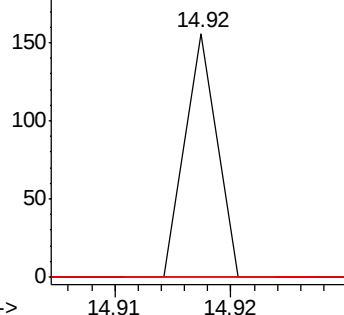
#93
 1,2,4-Trichlorobenzene
 Concen: 3.09 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#12

Tot Ion:180 Resp: 30
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.1#
 145 0.0 13.8 41.4#

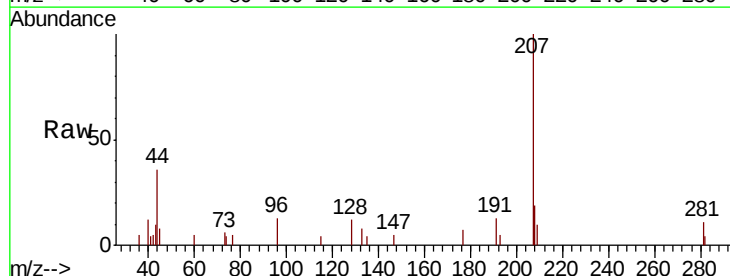


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 4.46 ug/l
 RT: 15.13 min Scan# 4211
 Delta R.T. -0.01 min
 Lab File: VN050327.D
 Acq: 3 Aug 2018 21:12

Tgt Ion:128 Resp: 803
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.8 13.2#



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

