

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050317.D
 Acq On : 3 Aug 2018 17:02
 Operator : MD\SY
 Sample : PB111719ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#02

Quant Time: Aug 03 23:28:08 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	654589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1105243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	941976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	386828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	469780	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	7.59	113	412029	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
50) Toluene-d8	10.09	98	1480326	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
62) 4-Bromofluorobenzene	12.40	95	428145	39.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.38%	

Target Compounds

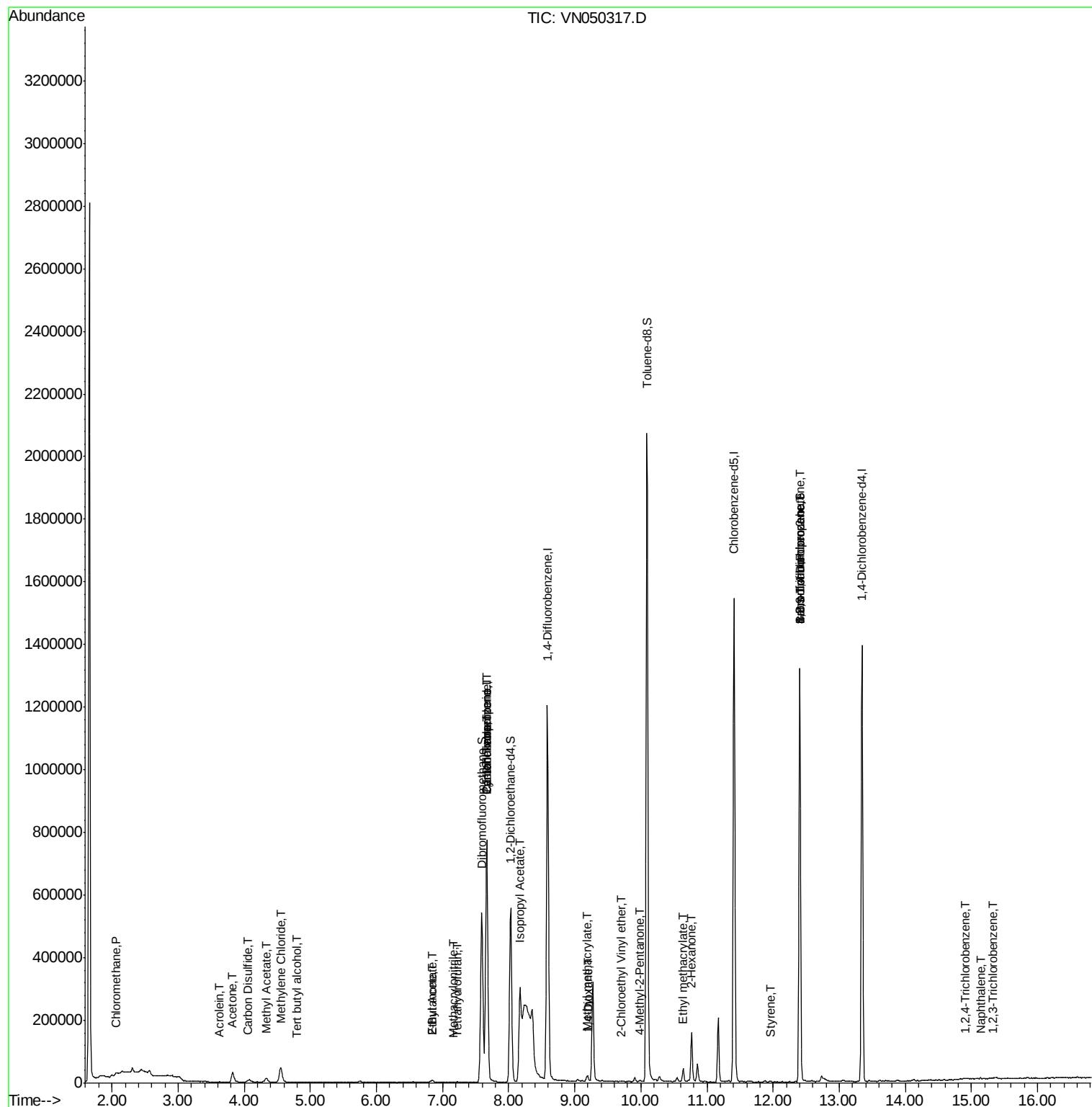
						Qvalue
3) Chloromethane	2.06	50	4331	0.42	ug/l	# 87
5) Bromomethane	2.56	94	5268	Below	Cal	89
11) Tert butyl alcohol	4.81	59	215	0.32	ug/l	# 72
13) Acrolein	3.61	56	706	1.31	ug/l	# 71
16) Acetone	3.82	43	55295	21.74	ug/l	98
17) Carbon Disulfide	4.05	76	7119	0.31	ug/l	97
18) Methyl Acetate	4.33	43	24018	1.28	ug/l	98
20) Methylene Chloride	4.55	84	35661	3.23	ug/l	97
25) 2-Butanone	6.85	43	6803	1.95	ug/l	# 89
29) Tetrahydrofuran	7.22	42	2109	0.94	ug/l	# 74
31) Cyclohexane	7.67	56	12323	0.91	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	46401	3.73	ug/l	# 48
37) Ethyl Acetate	6.85	43	6803	0.78	ug/l	# 69
38) Carbon Tetrachloride	7.67	117	60112	4.55	ug/l	# 17
41) Methacrylonitrile	7.18	41	106	2.77	ug/l	# 21
43) Isopropyl Acetate	8.17	43	365606	21.70	ug/l	# 91
48) Methyl methacrylate	9.18	41	9264	1.24	ug/l	# 20
49) 1,4-Dioxane	9.21	88	471	4.63	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	3755	0.44	ug/l	91
56) Ethyl methacrylate	10.64	69	787	2.09	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.70	63	127	8.55	ug/l	# 48
59) 2-Hexanone	10.77	43	22773	8.73	ug/l	# 60
70) Styrene	11.97	104	667	0.95	ug/l	# 74
71) Bromoform	12.40	173	2534	0.38	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	247	Below	Cal	# 1
76) 1,2,3-Trichloropropane	12.40	75	209144	29.09	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	209144	92.28	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.27	75	208	Below	Cal	# 1
93) 1,2,4-Trichlorobenzene	14.92	180	795	3.19	ug/l	# 91
95) Naphthalene	15.13	128	2557	4.55	ug/l	# 88
96) 1,2,3-Trichlorobenzene	15.32	180	869	2.32	ug/l	79

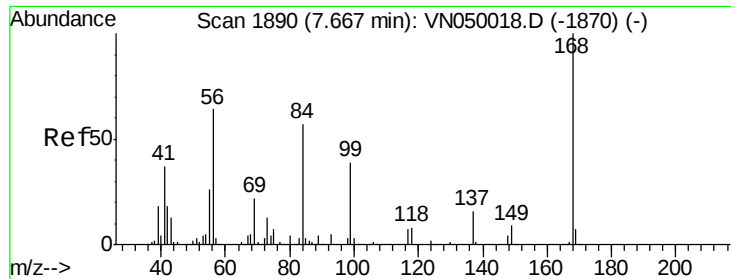
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

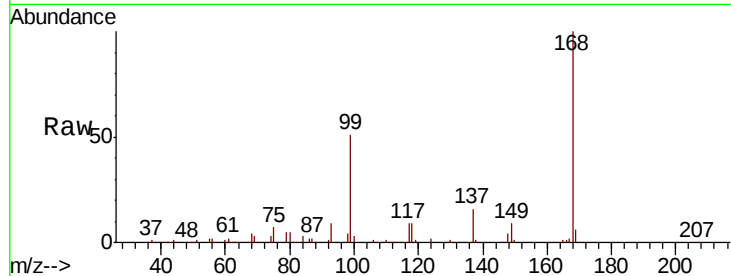
PB111719ZHE#02

Tot Ion:168 Resp: 654589

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050317.D (-1798) (-)

Ion 98.90 (98.60 to 99.60): VN050317.D (-1798) (-)

7.67

250000

200000

150000

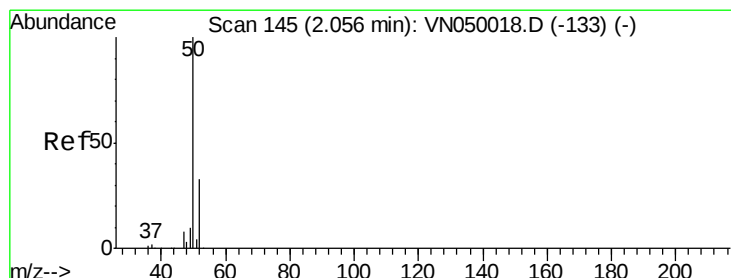
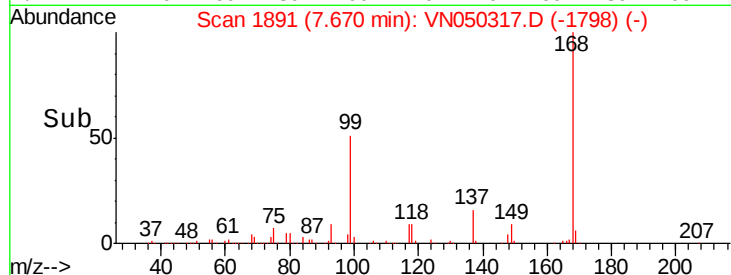
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#3

Chloromethane

Concen: 0.42 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050317.D

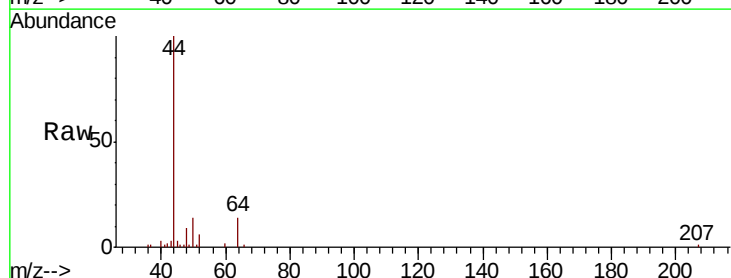
Acq: 3 Aug 2018 17:02

Tgt Ion: 50 Resp: 4331

Ion Ratio Lower Upper

50 100

52 39.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN050317.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050317.D (-52) (-)

2.06

3000

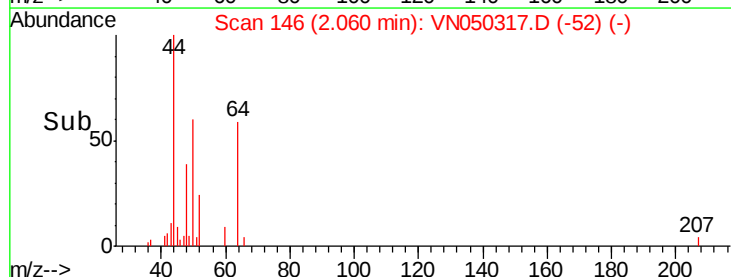
2000

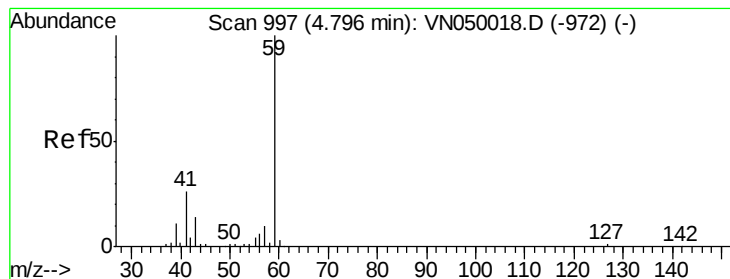
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0

Time-->

2.00 2.05 2.10



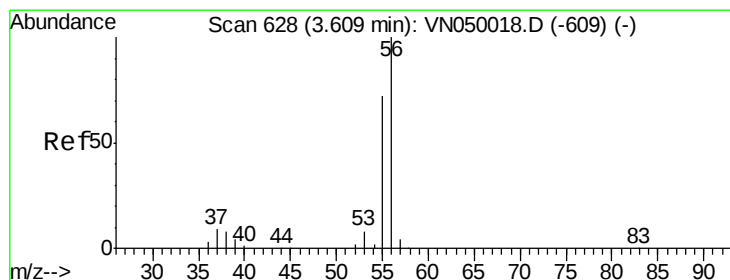
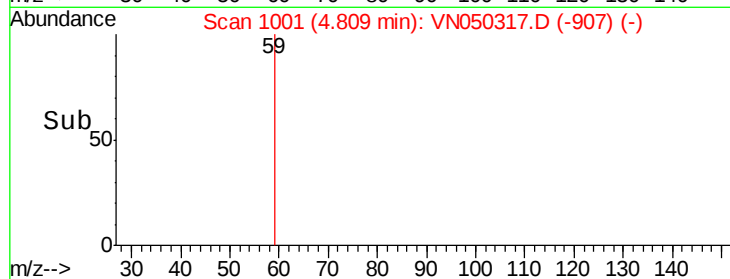
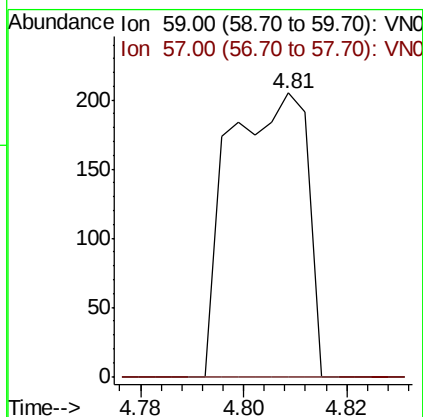
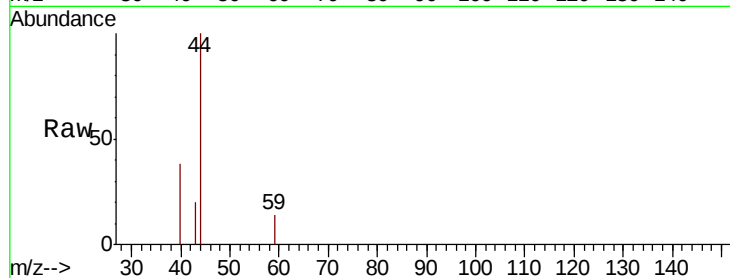


#11

Tert butyl alcohol
 Concen: 0.32 ug/l
 RT: 4.81 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN050317.D
 Acq: 3 Aug 2018 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#02

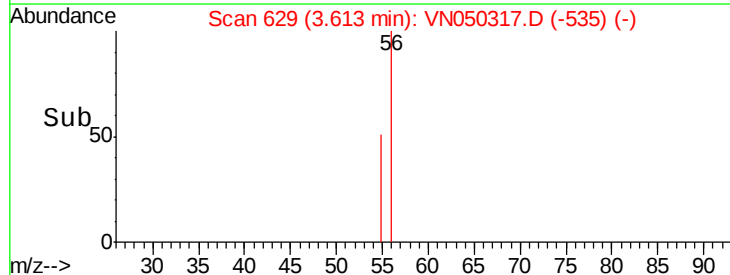
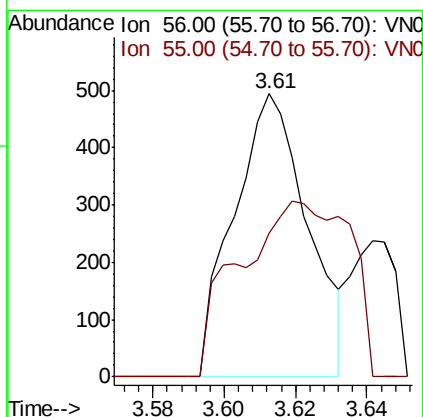
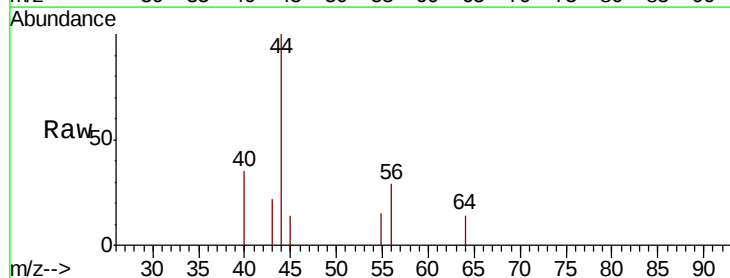
Tot Ion: 59 Resp: 215
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

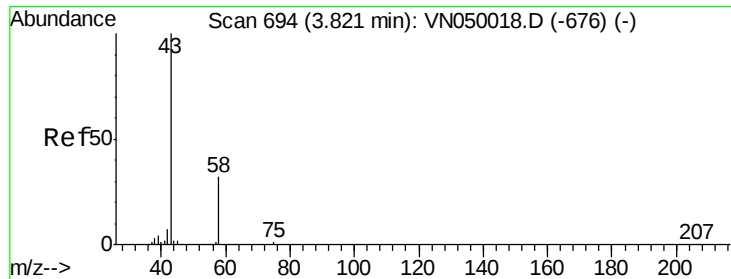


#13

Acrolein
 Concen: 1.31 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050317.D
 Acq: 3 Aug 2018 17:02

Tgt Ion: 56 Resp: 706
 Ion Ratio Lower Upper
 56 100
 55 93.1 55.8 83.6#





#16

Acetone

Concen: 21.74 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

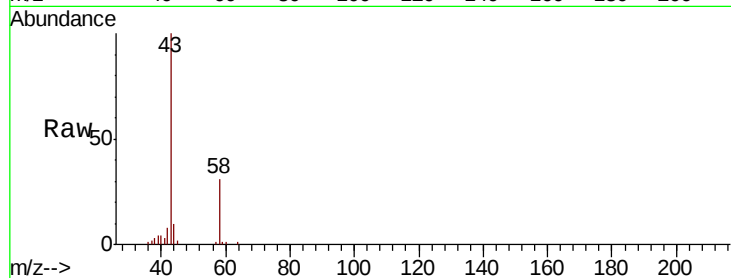
PB111719ZHE#02

Tot Ion: 43 Resp: 55295

Ion Ratio Lower Upper

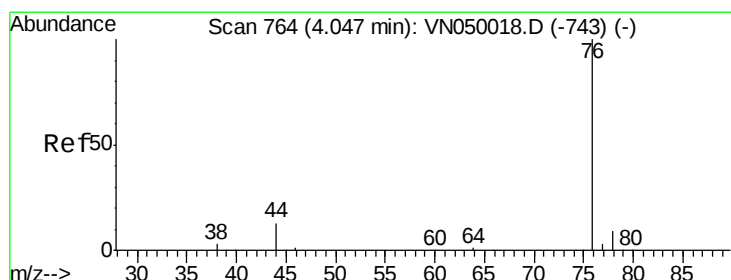
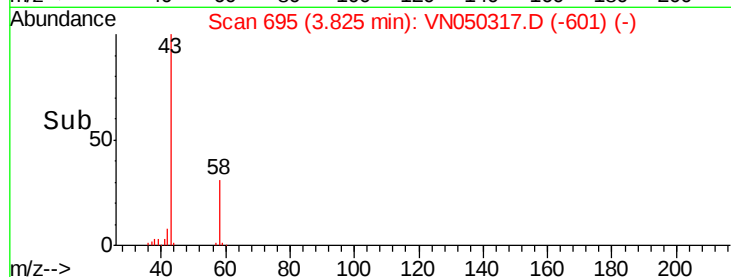
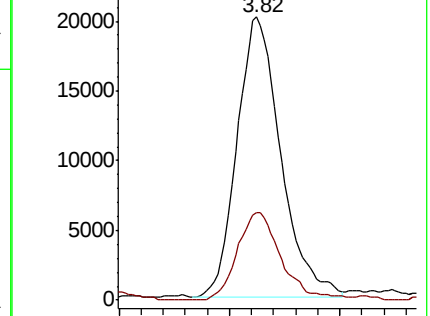
43 100

58 31.1 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)



#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050317.D

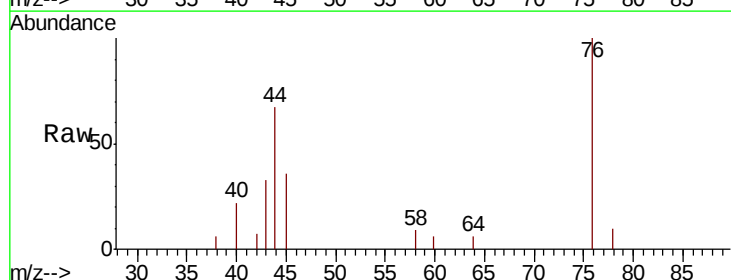
Acq: 3 Aug 2018 17:02

Tgt Ion: 76 Resp: 7119

Ion Ratio Lower Upper

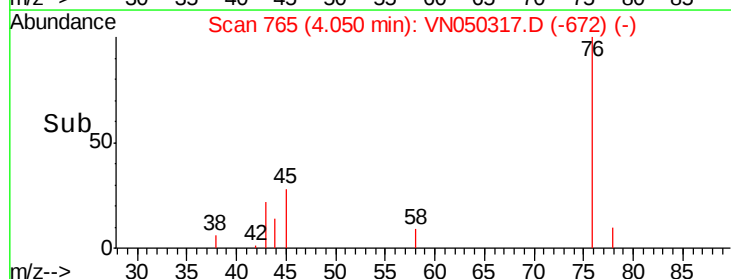
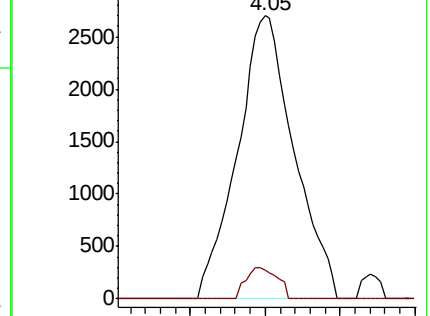
76 100

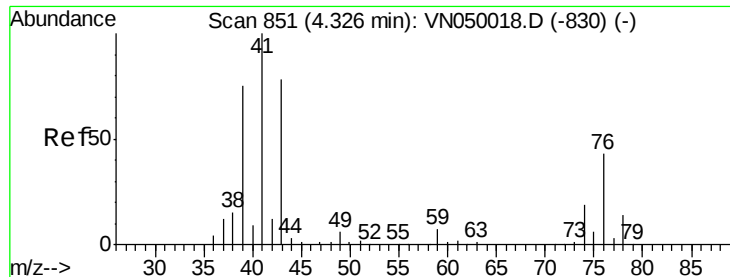
78 10.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)

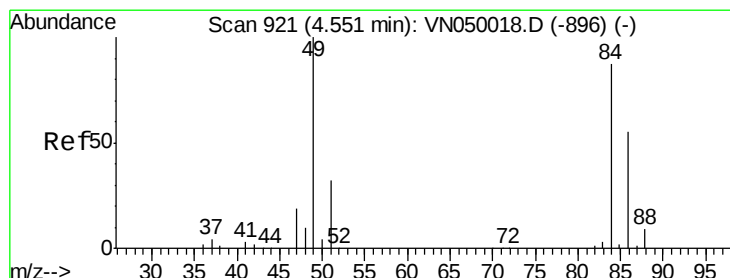
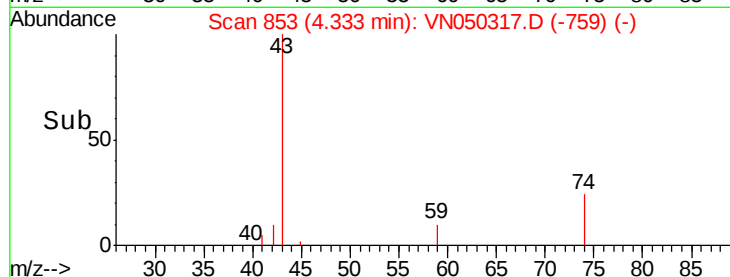
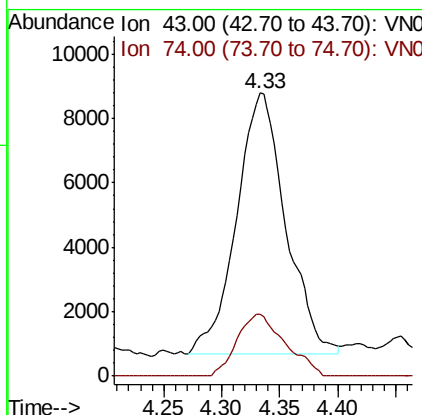
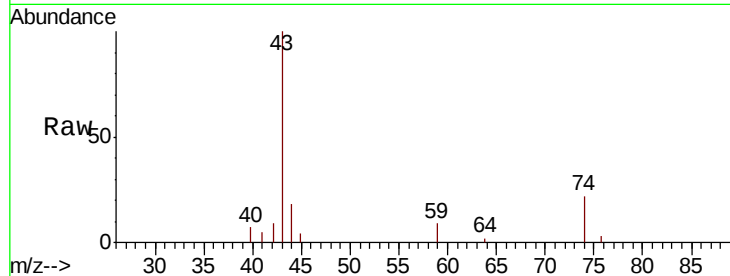




#18
Methvl Acetate
Concen: 1.28 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050317.D
Acq: 3 Aug 2018 17:02

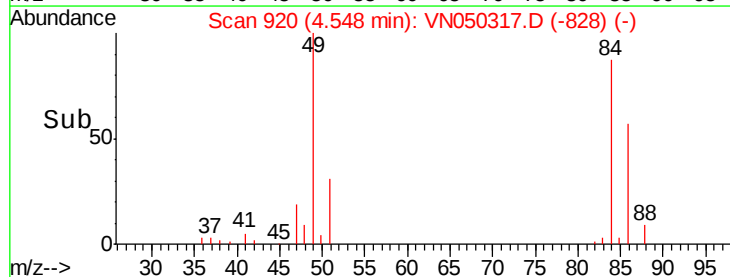
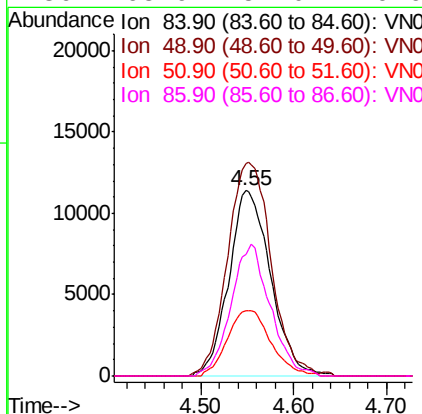
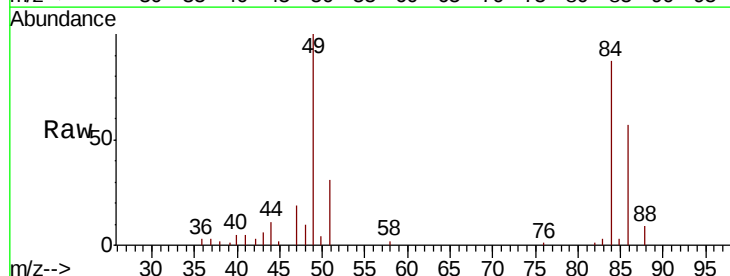
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#02

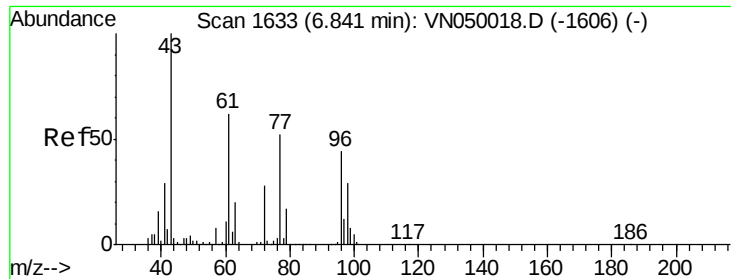
Tot Ion: 43 Resp: 24018
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8



#20
Methylene Chloride
Concen: 3.23 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050317.D
Acq: 3 Aug 2018 17:02

Tgt Ion: 84 Resp: 35661
Ion Ratio Lower Upper
84 100
49 114.7 94.8 142.2
51 35.2 28.3 42.5
86 65.9 51.0 76.6

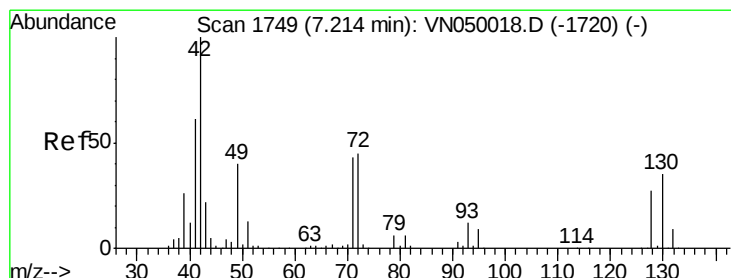
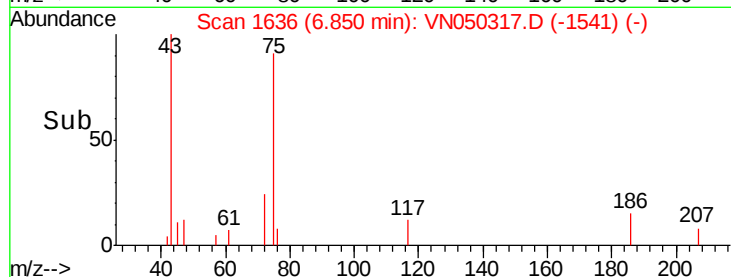
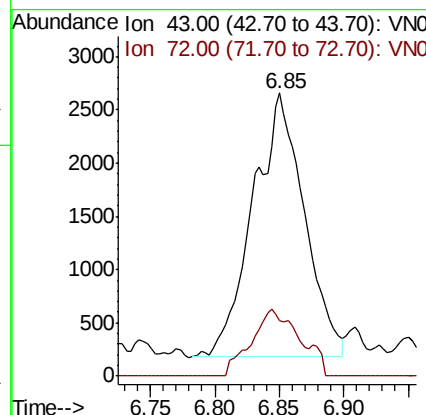
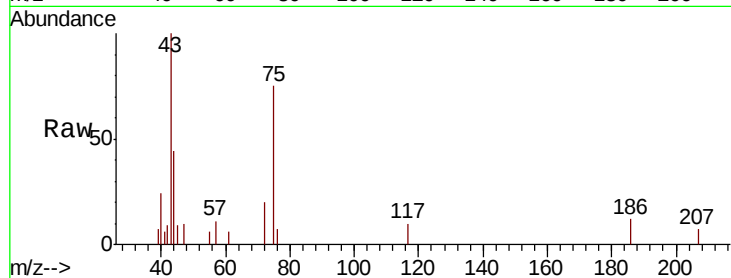




#25
2-Butanone
Concen: 1.95 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050317.D
Acq: 3 Aug 2018 17:02

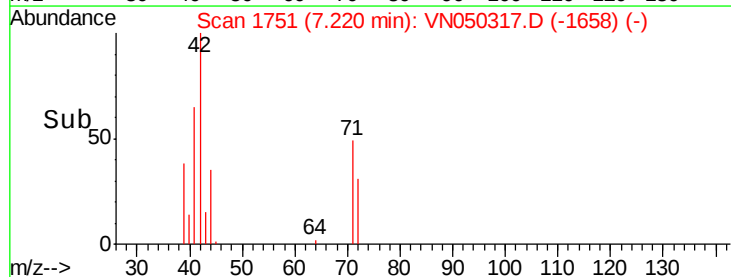
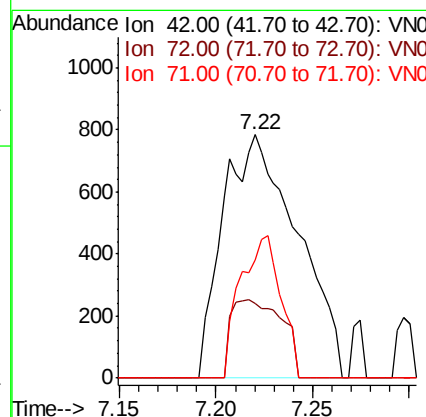
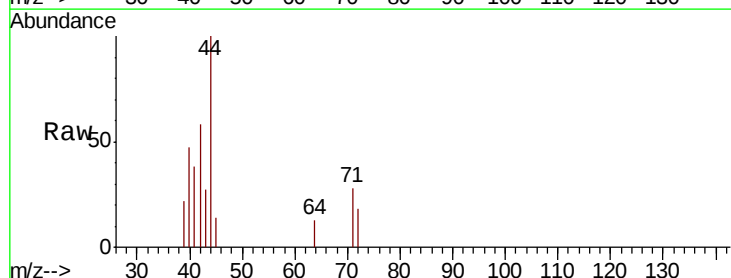
Instrument :
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ClientSampleId :
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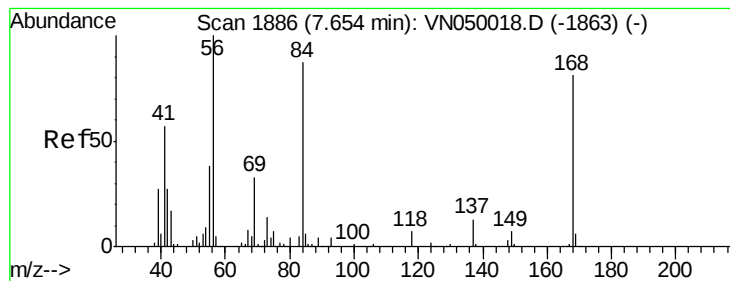
Tot Ion: 43 Resp: 6803
Ion Ratio Lower Upper
43 100
72 21.2 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.94 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050317.D
Acq: 3 Aug 2018 17:02

Tgt Ion: 42 Resp: 2109
Ion Ratio Lower Upper
42 100
72 21.9 35.9 53.9#
71 31.6 33.7 50.5#





#31

Cyclohexane

Concen: 0.91 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#02

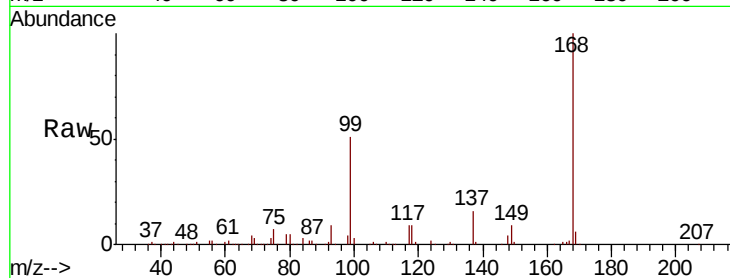
Tot Ion: 56 Resp: 12323

Ion Ratio Lower Upper

56 100

69 179.7 26.2 39.4#

84 147.2 67.4 101.0#

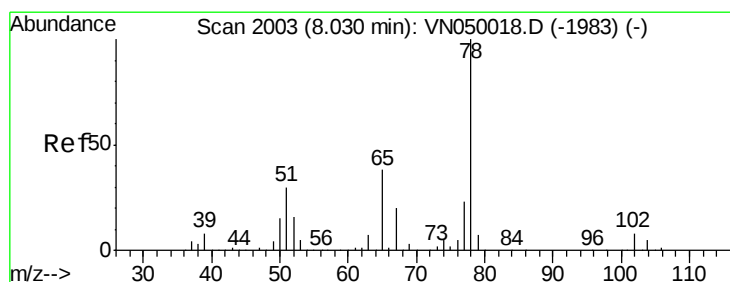
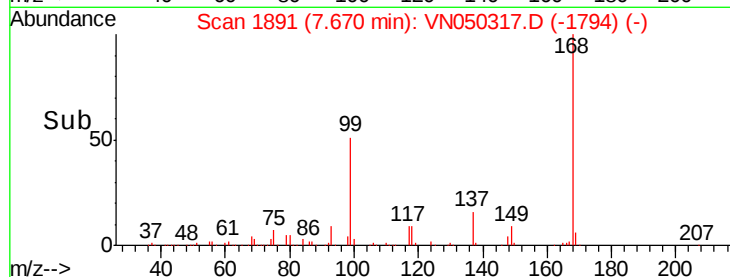
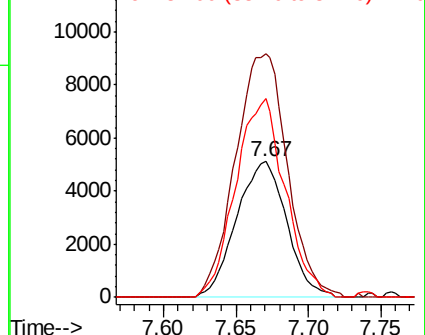


Abundance

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: 51.44 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050317.D

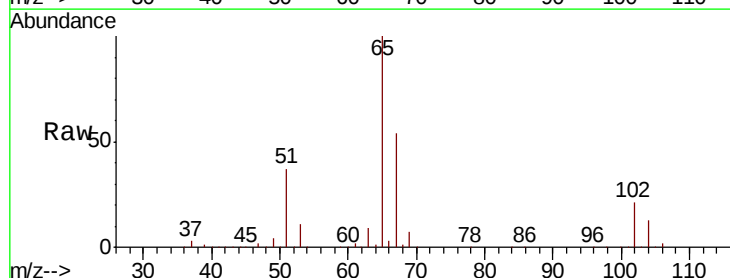
Acq: 3 Aug 2018 17:02

Tgt Ion: 65 Resp: 469780

Ion Ratio Lower Upper

65 100

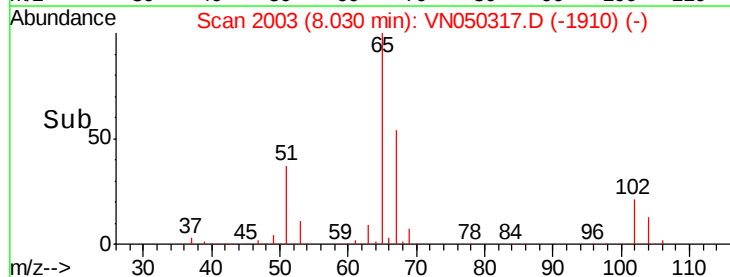
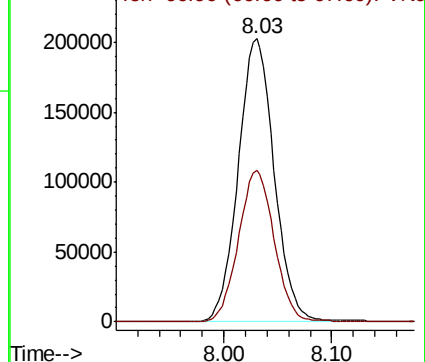
67 53.4 0.0 108.4

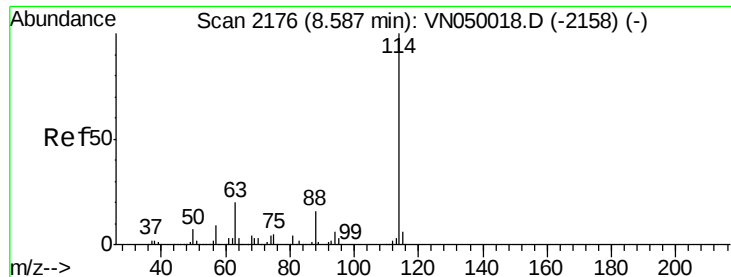


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

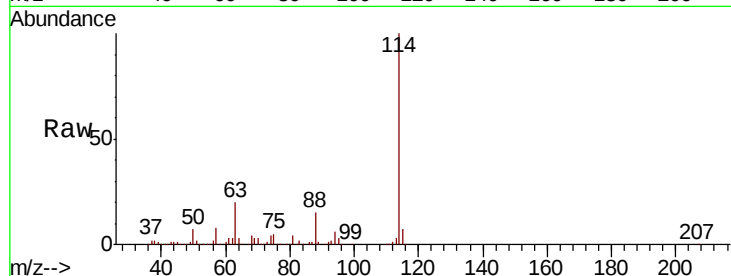




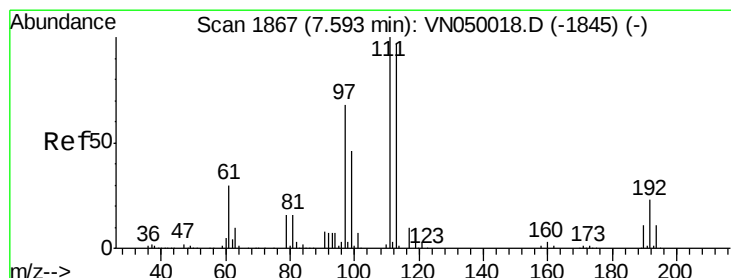
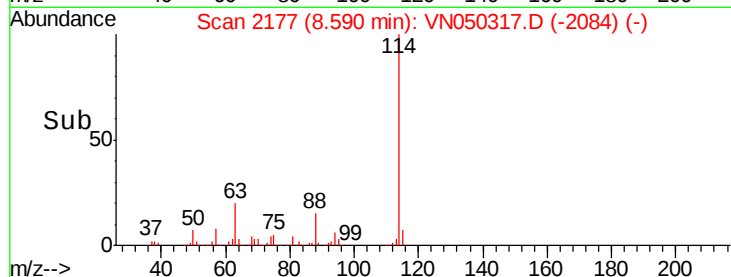
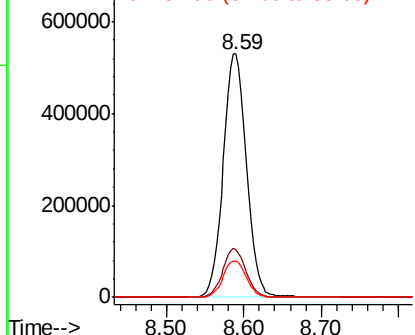
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050317.D
 Acq: 3 Aug 2018 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#02

Tot Ion:114 Resp: 1105243
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.0 0.0 31.2

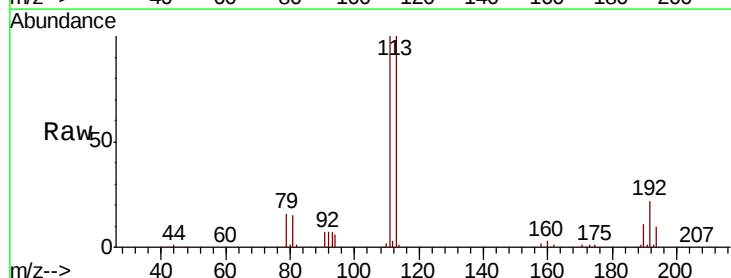


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

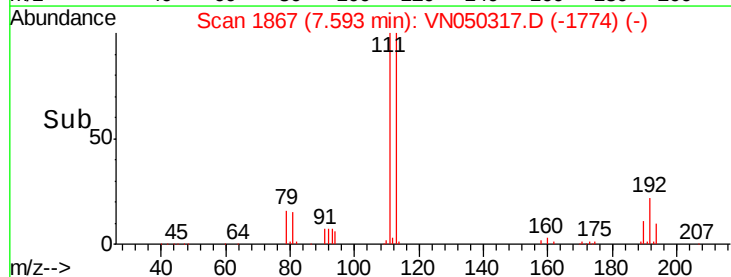
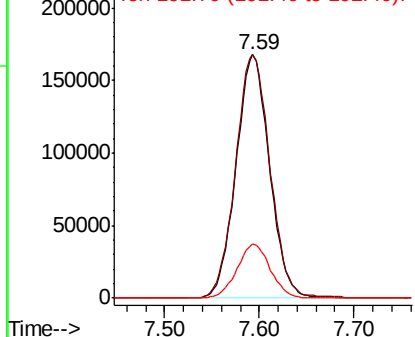


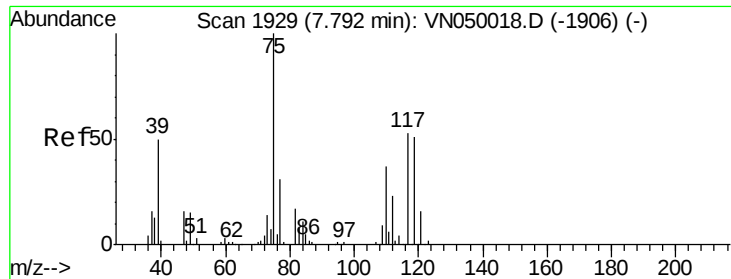
#35
 Dibromofluoromethane
 Concen: 45.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050317.D
 Acq: 3 Aug 2018 17:02

Tgt Ion:113 Resp: 412029
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.7 121.1
 192 22.2 17.8 26.6



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: 3.73 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#02

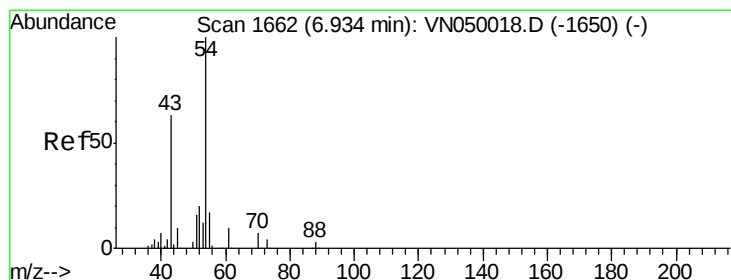
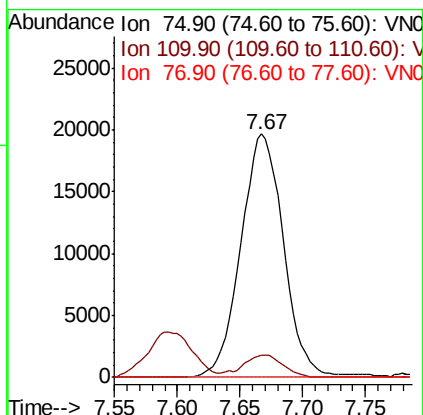
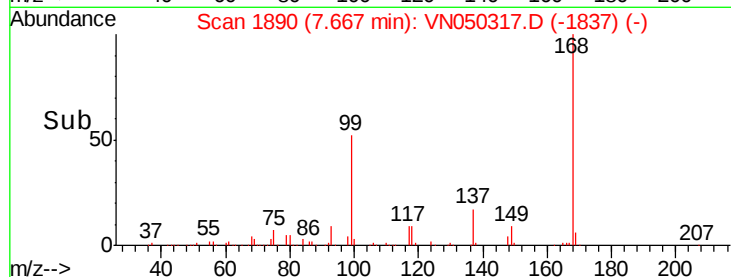
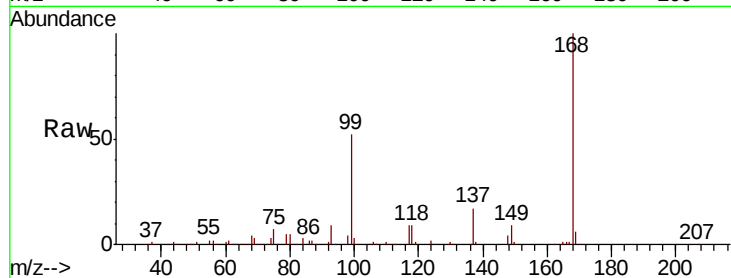
Tot Ion: 75 Resp: 46401

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 0.78 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. -0.09 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

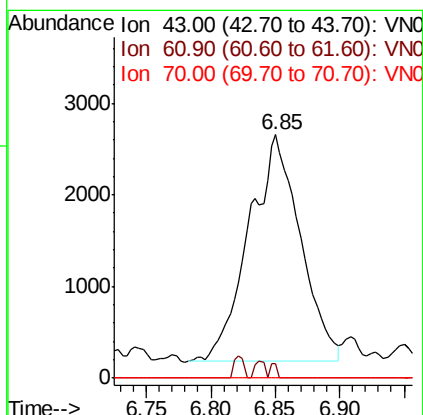
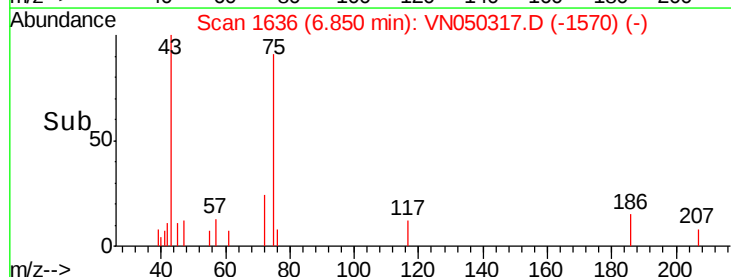
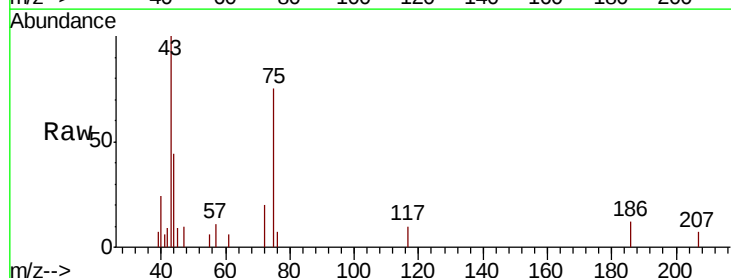
Tgt Ion: 43 Resp: 6803

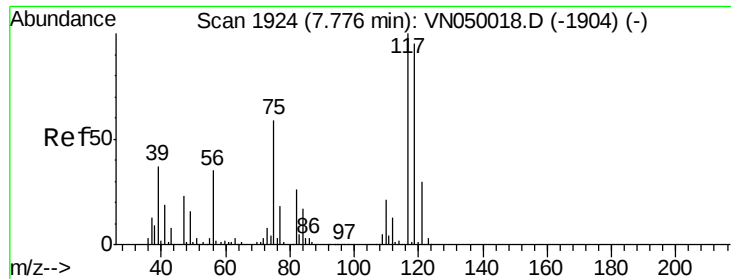
Ion Ratio Lower Upper

43 100

61 0.9 11.8 17.8#

70 0.0 8.4 12.6#

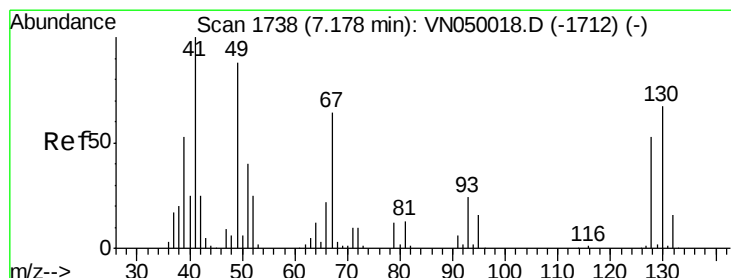
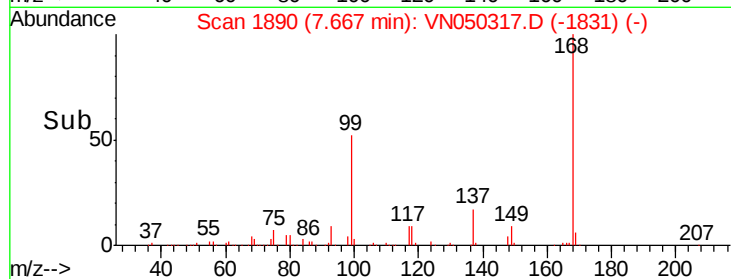
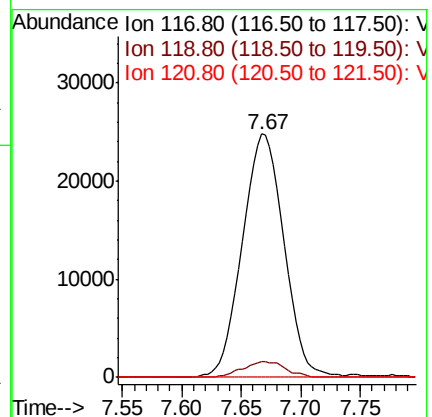
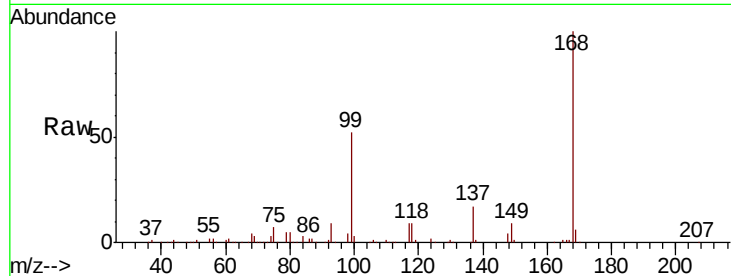




#38
Carbon Tetrachloride
Concen: 4.55 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050317.D
Acq: 3 Aug 2018 17:02

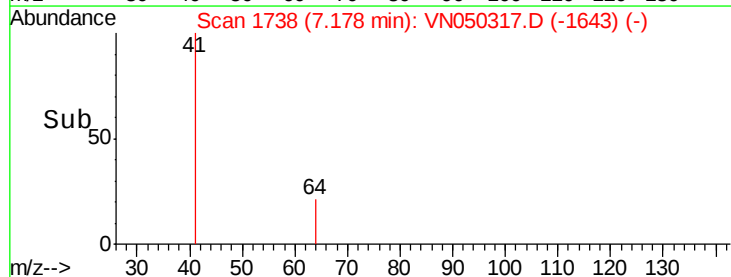
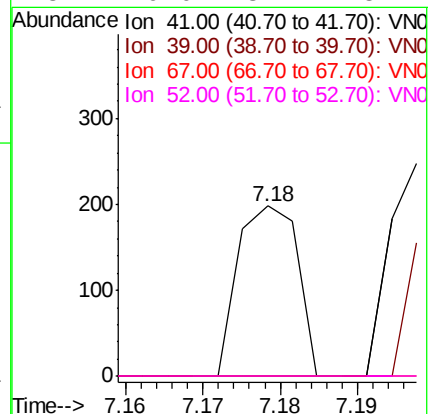
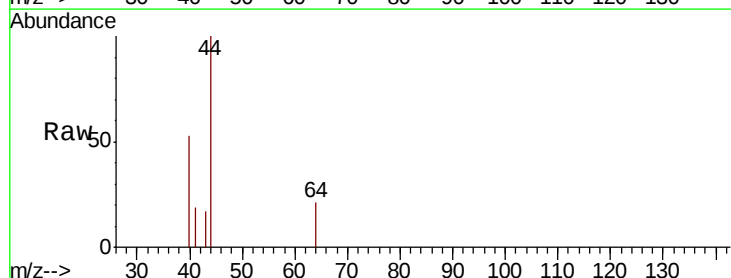
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#02

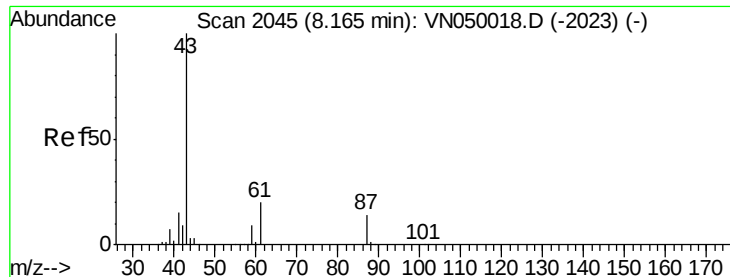
Tot Ion:117 Resp: 60112
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.77 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050317.D
Acq: 3 Aug 2018 17:02

Tgt Ion: 41 Resp: 106
Ion Ratio Lower Upper
41 100
39 28.3 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 21.70 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#02

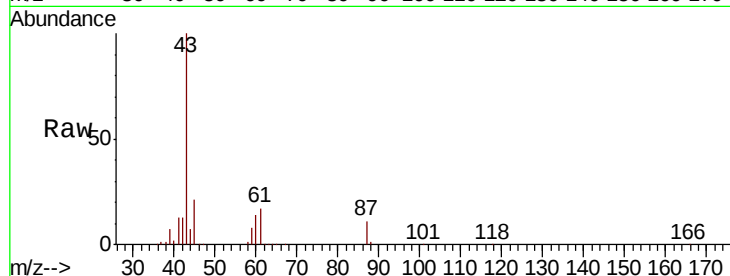
Tot Ion: 43 Resp: 365606

Ion Ratio Lower Upper

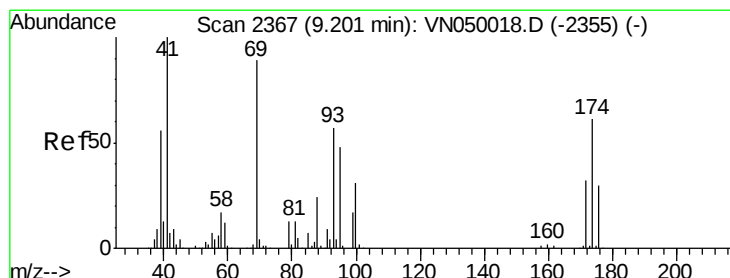
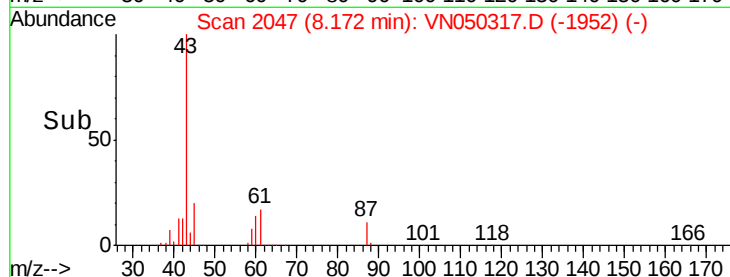
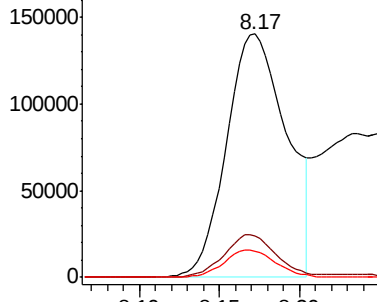
43 100

61 15.4 15.8 23.6#

87 9.7 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: 1.24 ug/l

RT: 9.18 min Scan# 2360

Delta R.T. -0.03 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

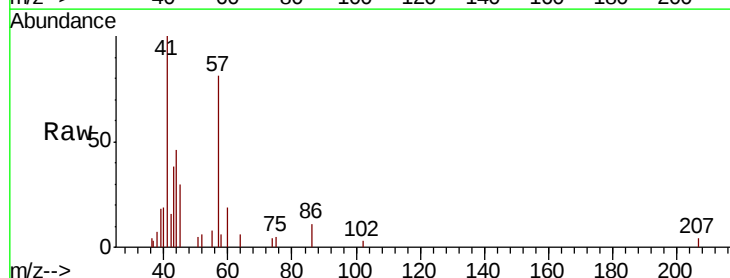
Tgt Ion: 41 Resp: 9264

Ion Ratio Lower Upper

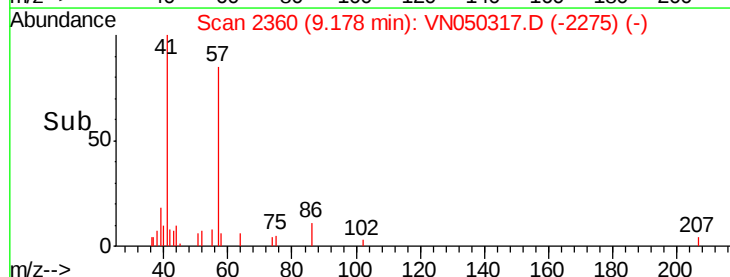
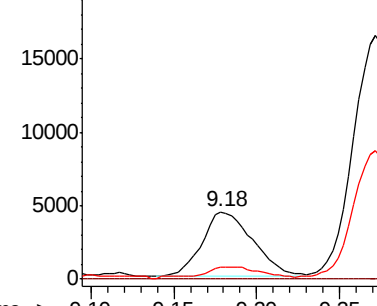
41 100

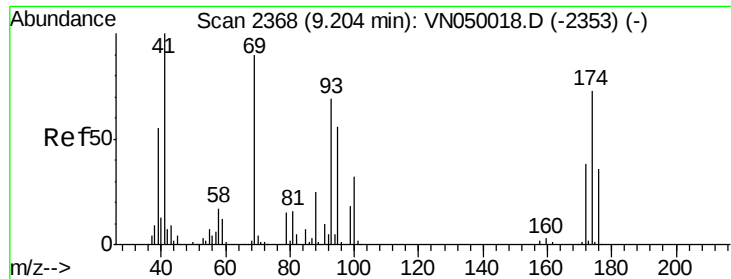
69 0.0 70.6 105.8#

39 14.0 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: 4.63 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#02

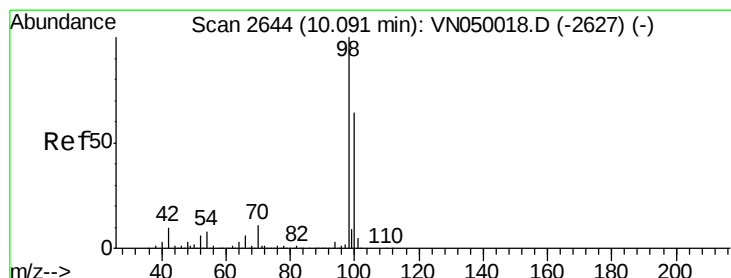
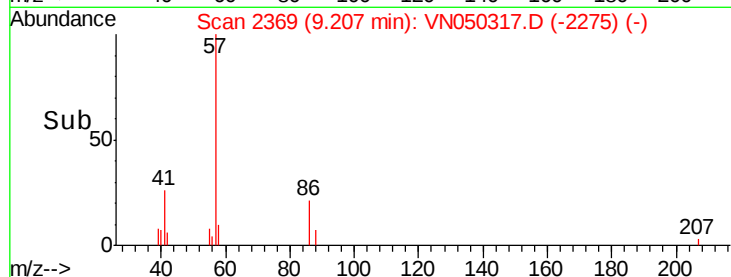
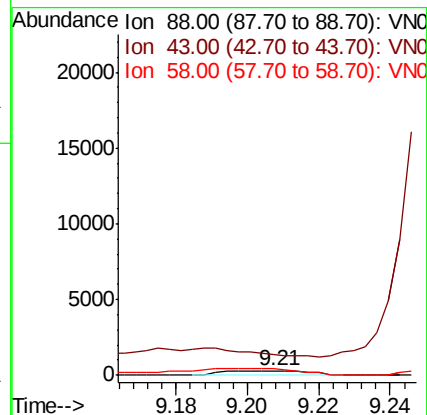
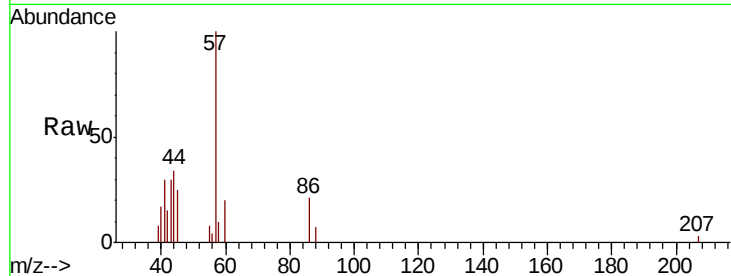
Tot Ion: 88 Resp: 471

Ion Ratio Lower Upper

88 100

43 0.0 26.9 40.3#

58 211.3 57.3 85.9#



#50

Toluene-d8

Concen: 44.62 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050317.D

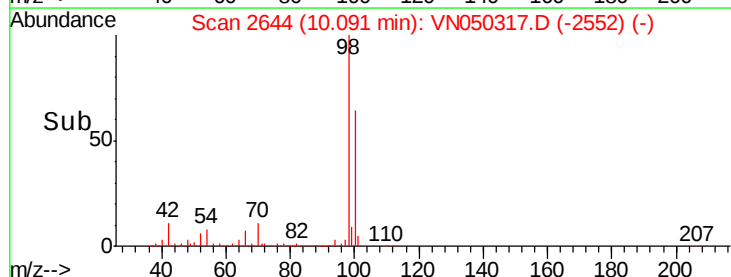
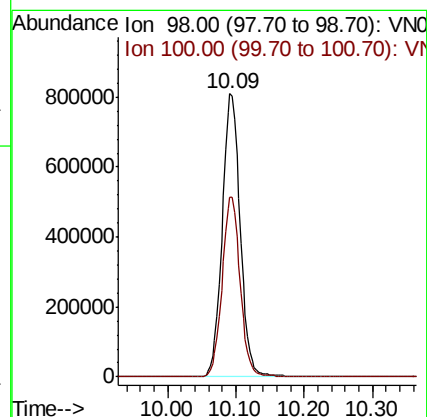
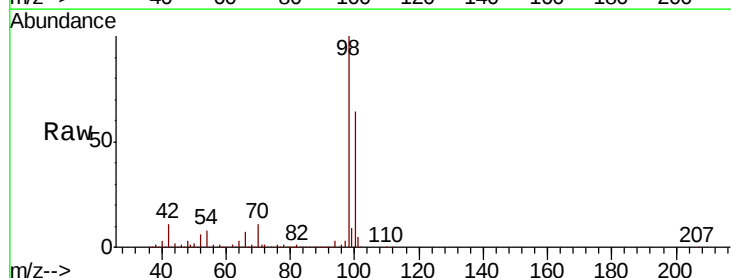
Acq: 3 Aug 2018 17:02

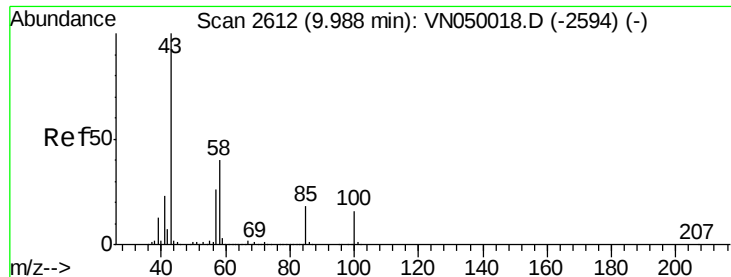
Tgt Ion: 98 Resp: 1480326

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1

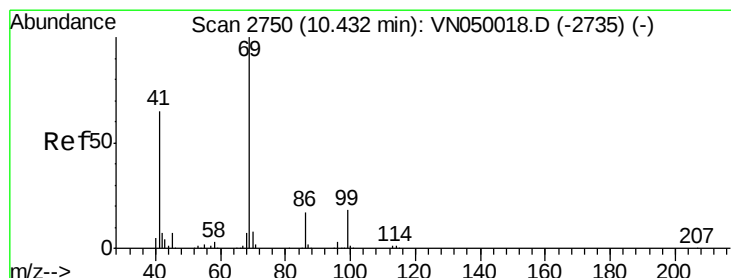
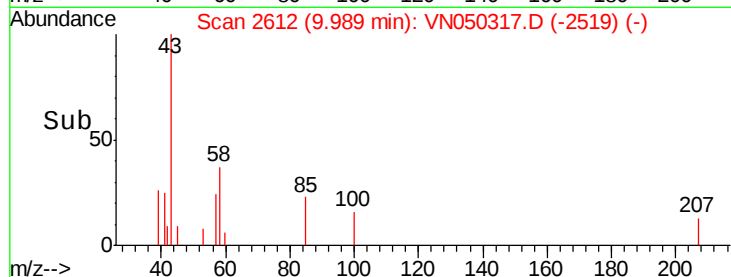
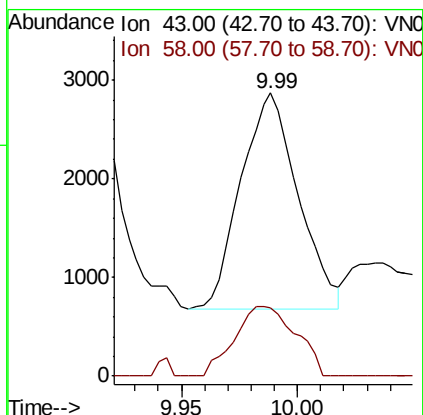
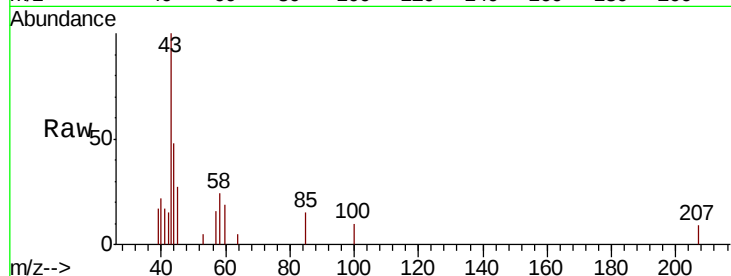




#51
 4-Methyl-2-Pentanone
 Concen: 0.44 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050317.D
 Acq: 3 Aug 2018 17:02

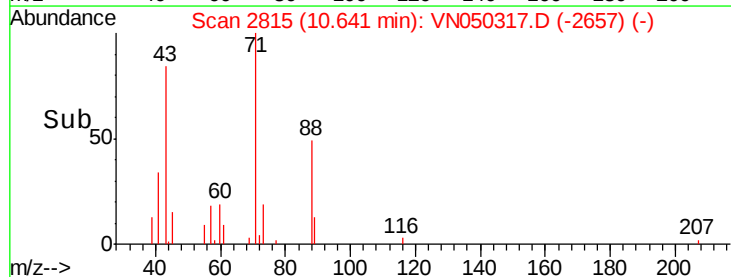
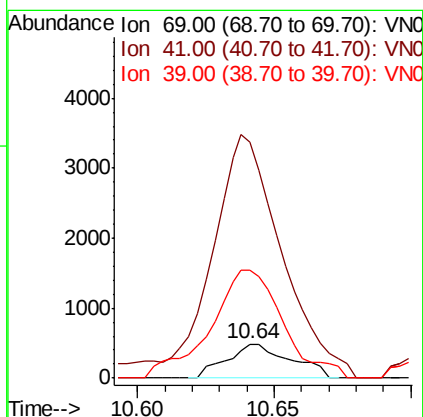
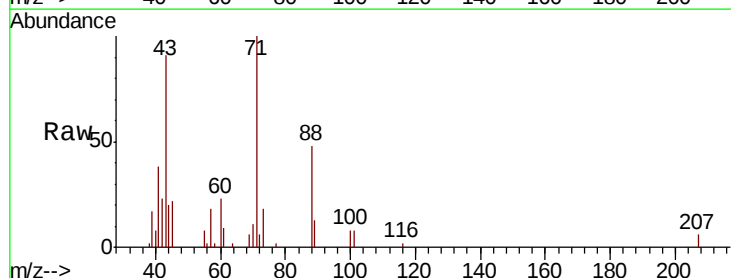
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#02

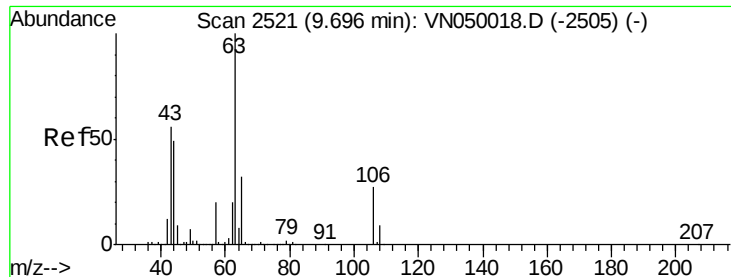
Tot Ion: 43 Resp: 3755
 Ion Ratio Lower Upper
 43 100
 58 34.6 31.9 47.9



#56
 Ethyl methacrylate
 Concen: 2.09 ug/l
 RT: 10.64 min Scan# 2815
 Delta R.T. 0.21 min
 Lab File: VN050317.D
 Acq: 3 Aug 2018 17:02

Tgt Ion: 69 Resp: 787
 Ion Ratio Lower Upper
 69 100
 41 815.5 51.0 76.4#
 39 362.5 26.6 40.0#





#58

2-Chloroethyl Vinyl ether

Concen: 8.55 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

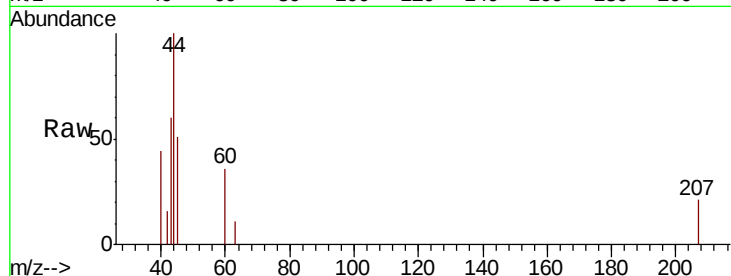
PB111719ZHE#02

Tot Ion: 63 Resp: 127

Ion Ratio Lower Upper

63 100

106 0.0 21.7 32.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0

9.70

150

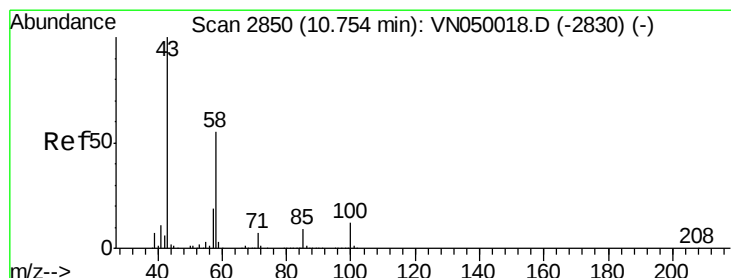
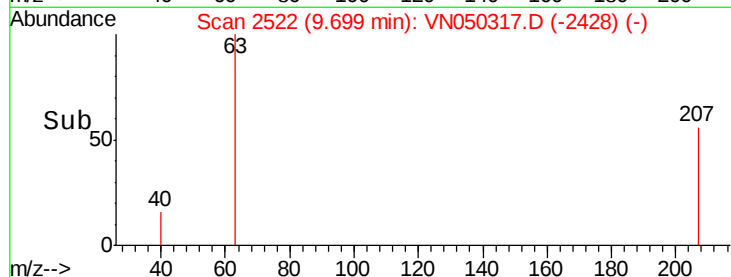
100

50

0

9.69 9.70 9.71 9.72

Time-->



#59

2-Hexanone

Concen: 8.73 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050317.D

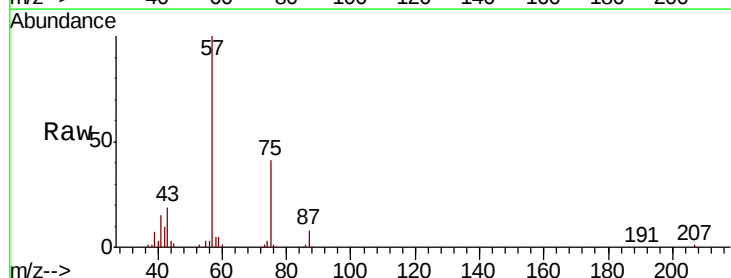
Acq: 3 Aug 2018 17:02

Tgt Ion: 43 Resp: 22773

Ion Ratio Lower Upper

43 100

58 26.5 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.77

20000

15000

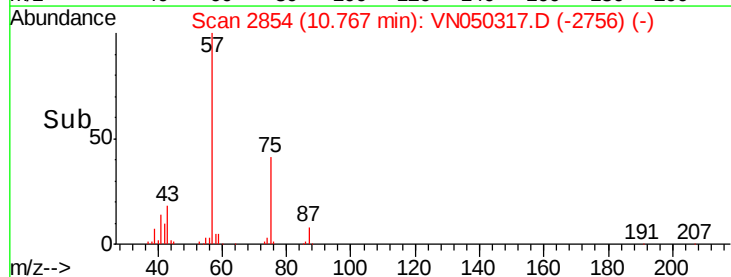
10000

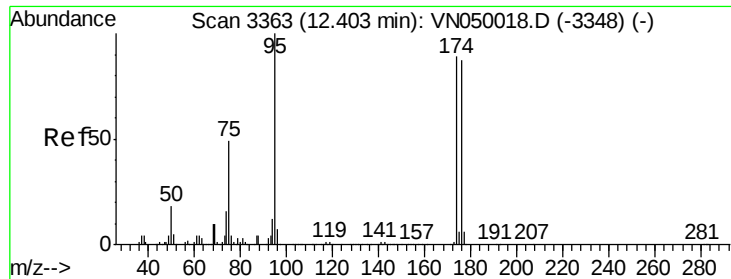
5000

0

10.70 10.75 10.80

Time-->

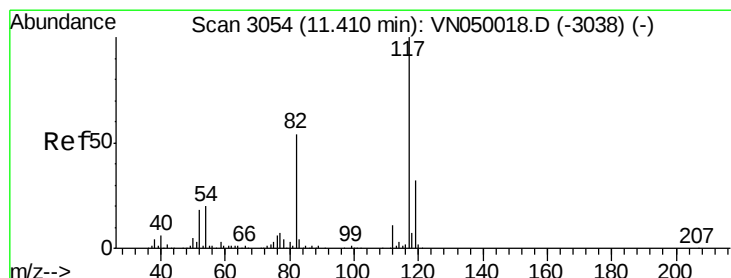
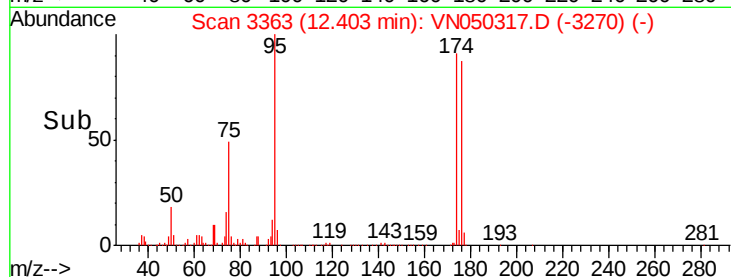
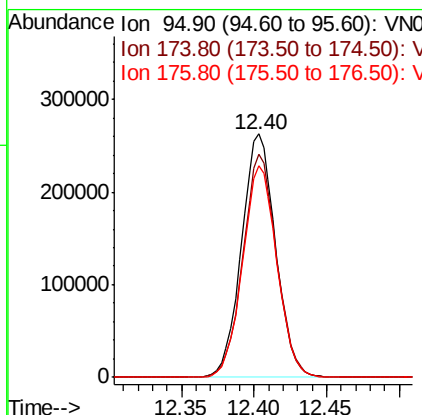
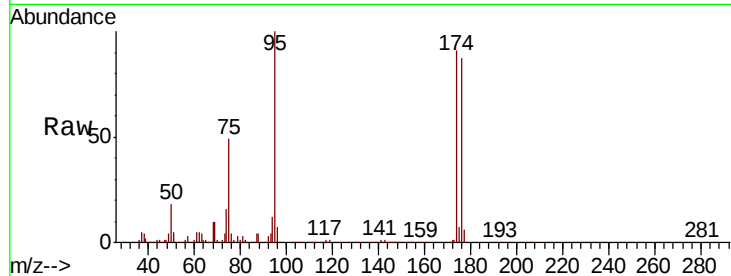




#62
4-Bromofluorobenzene
Concen: 39.19 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050317.D
Acq: 3 Aug 2018 17:02

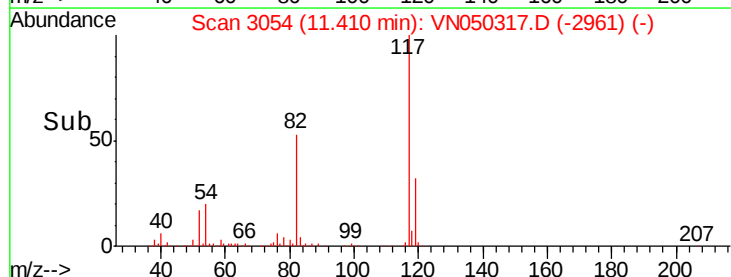
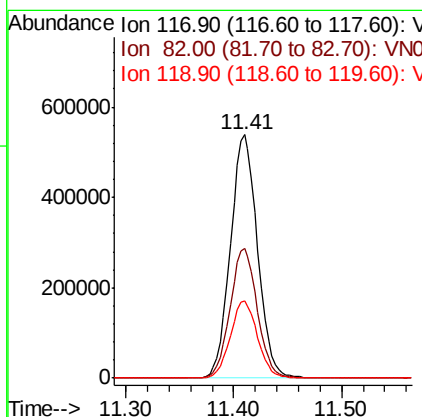
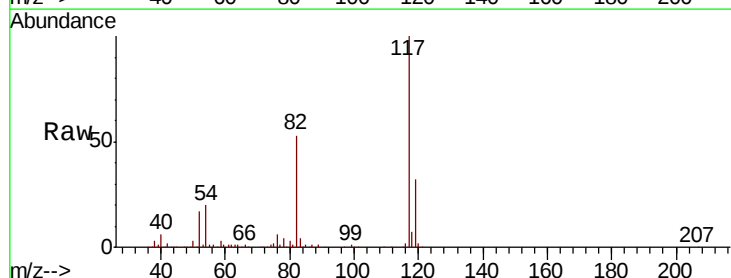
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#02

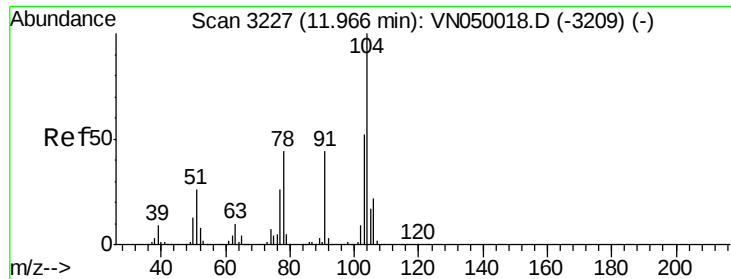
Tot Ion: 95 Resp: 428145
Ion Ratio Lower Upper
95 100
174 91.1 0.0 178.2
176 87.6 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050317.D
Acq: 3 Aug 2018 17:02

Tgt Ion: 117 Resp: 941976
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 31.8 26.1 39.1





#70

Stvrene

Concen: 0.95 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#02

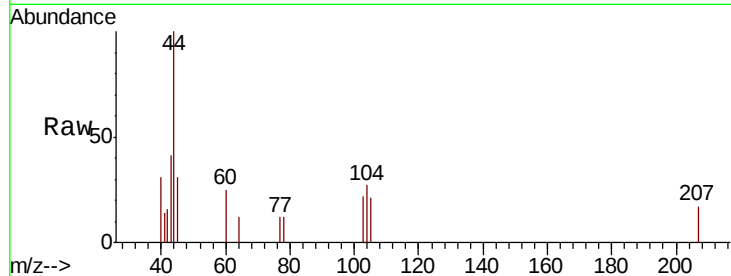
Tot Ion:104 Resp: 667

Ion Ratio Lower Upper

104 100

78 14.2 39.3 58.9#

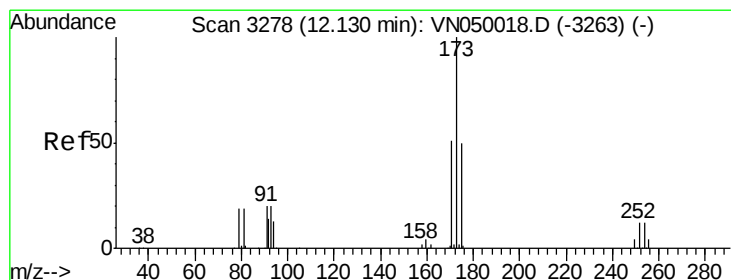
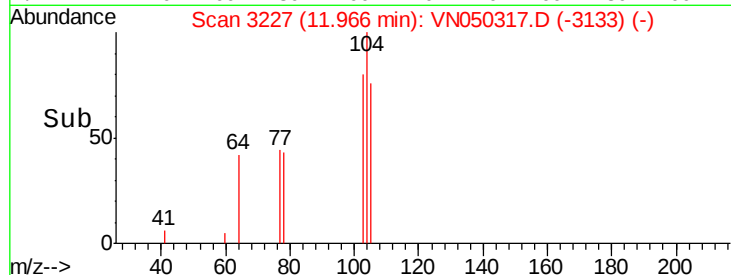
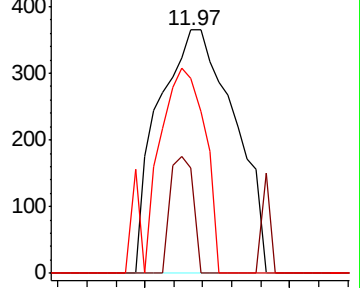
103 53.1 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.38 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

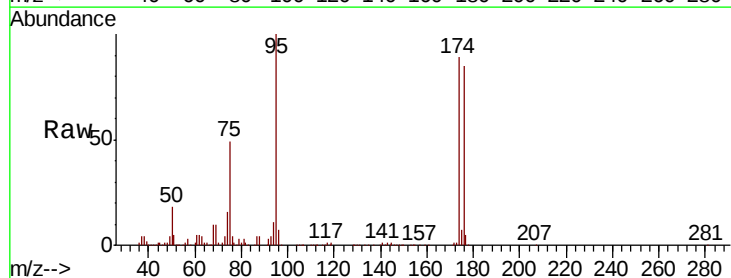
Tgt Ion:173 Resp: 2534

Ion Ratio Lower Upper

173 100

175 985.4 24.1 72.2#

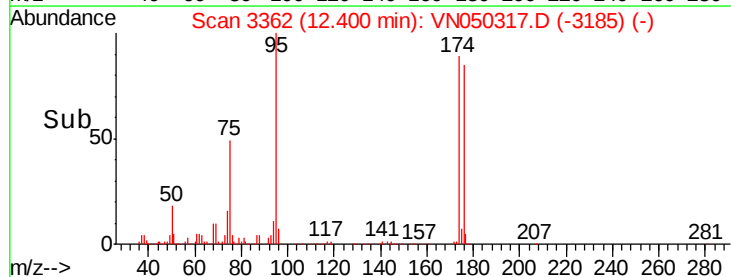
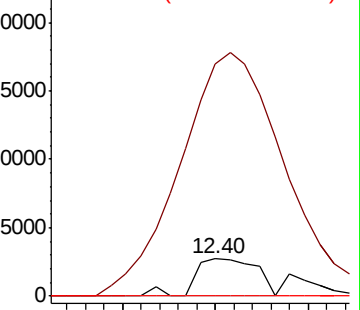
254 0.0 0.2 0.2#

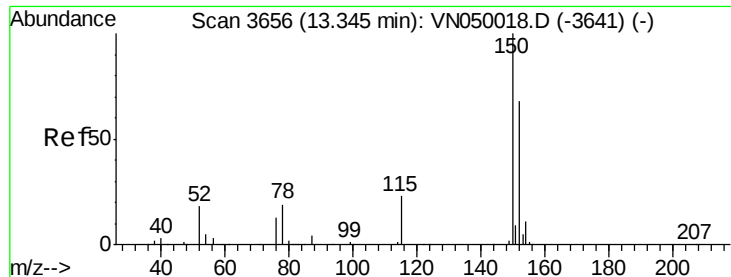


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#02

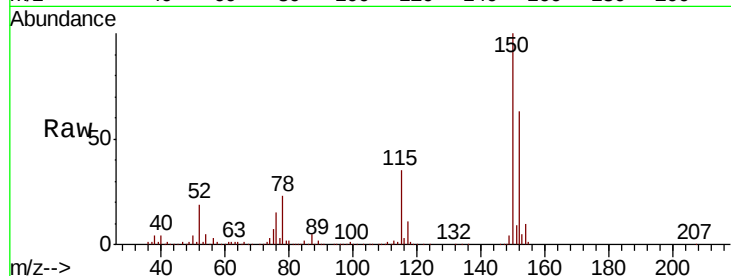
Tot Ion:152 Resp: 386828

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

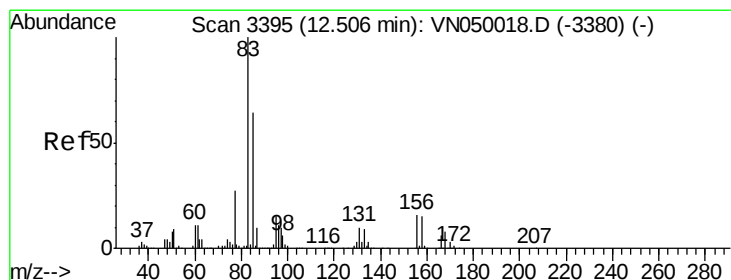
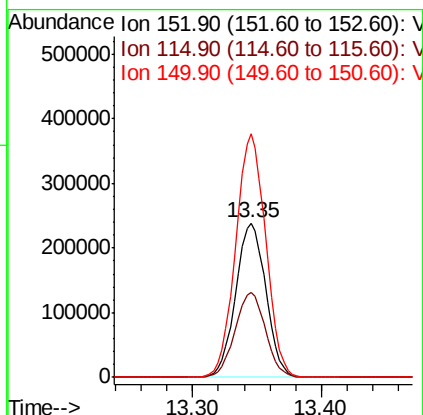
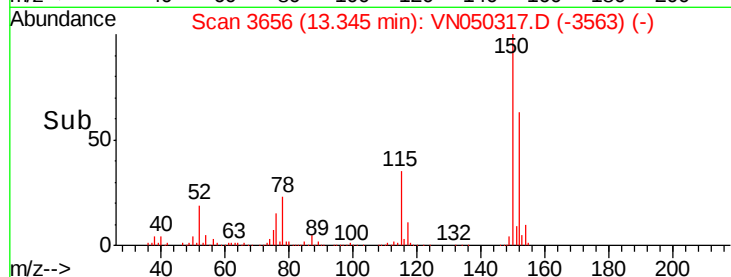
150 157.4 0.0 348.6



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: VN050317.D

Acq: 3 Aug 2018 17:02

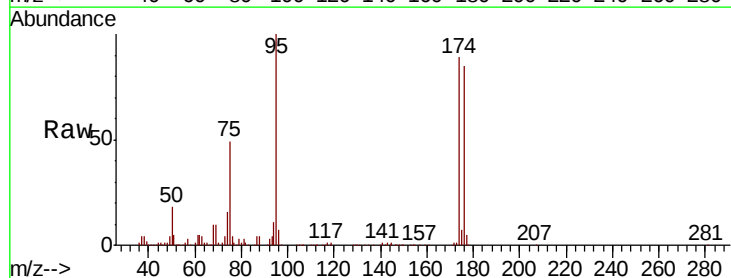
Tgt Ion: 83 Resp: 247

Ion Ratio Lower Upper

83 100

131 224.7 5.1 15.3#

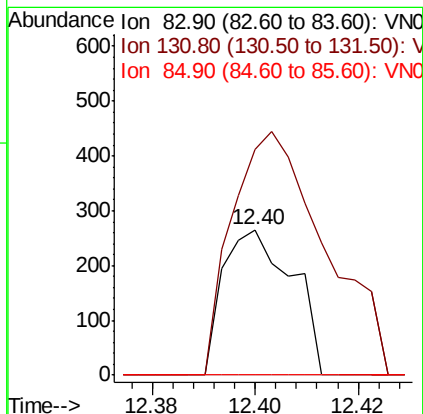
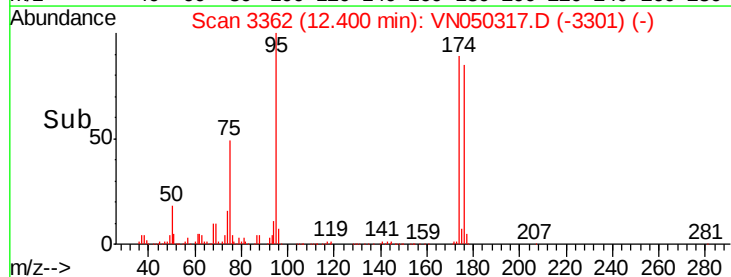
85 0.0 32.3 96.8#

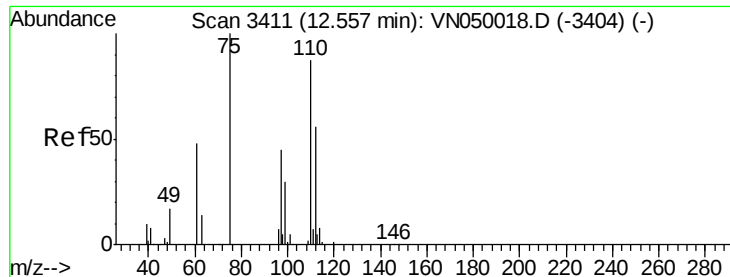


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 29.09 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

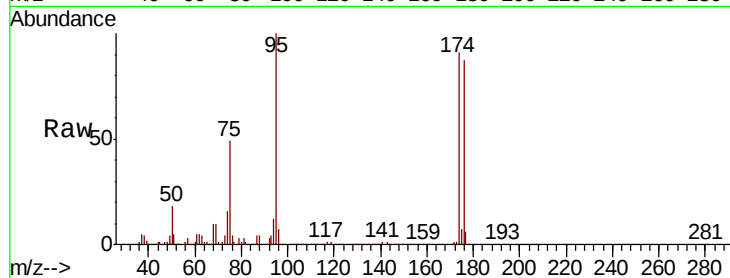
PB111719ZHE#02

Tot Ion: 75 Resp: 209144

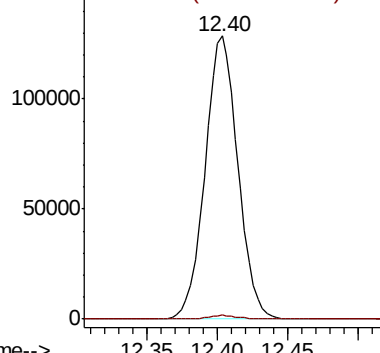
Ion Ratio Lower Upper

75 100

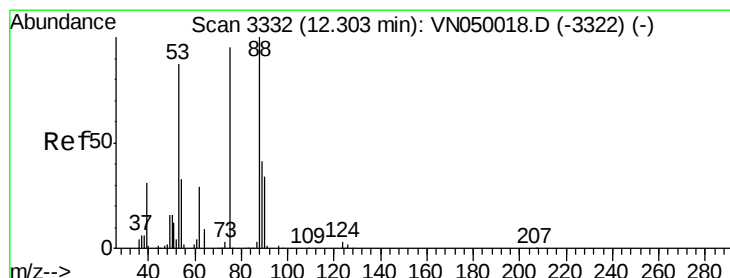
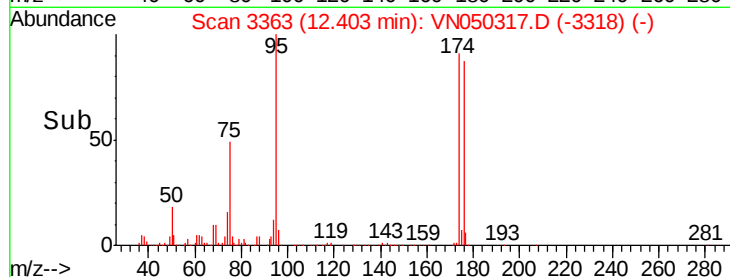
77 1.3 0.0 0.0#



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



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 92.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

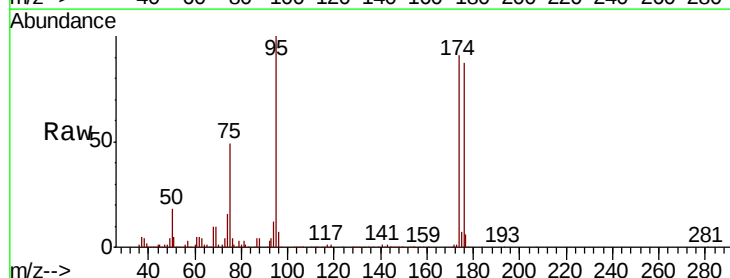
Tgt Ion: 75 Resp: 209144

Ion Ratio Lower Upper

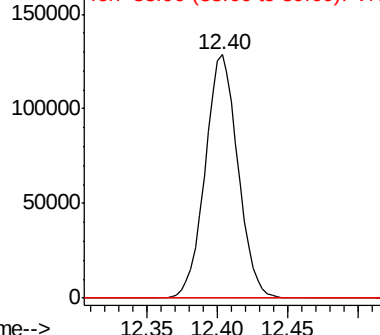
75 100

53 0.3 73.5 110.3#

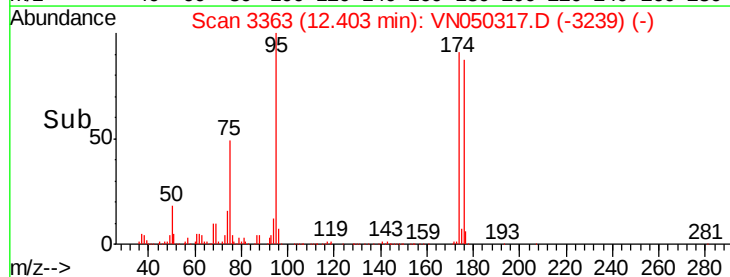
89 0.0 36.0 54.0#

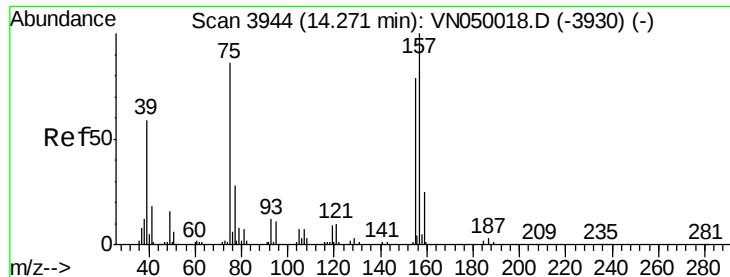


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#02

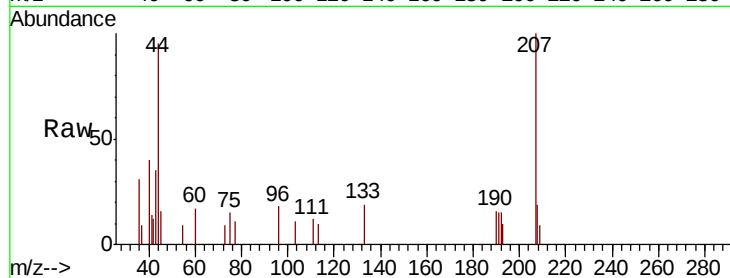
Tot Ion: 75 Resp: 208

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 57.2 171.6#



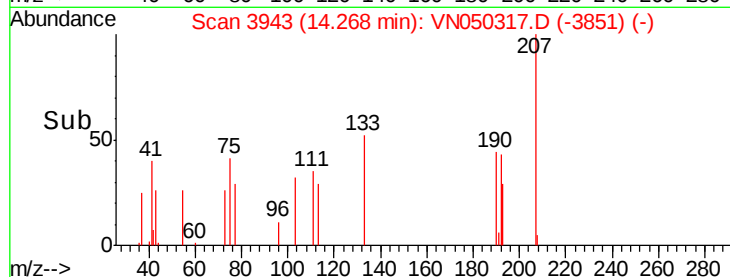
Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-3930) (-)

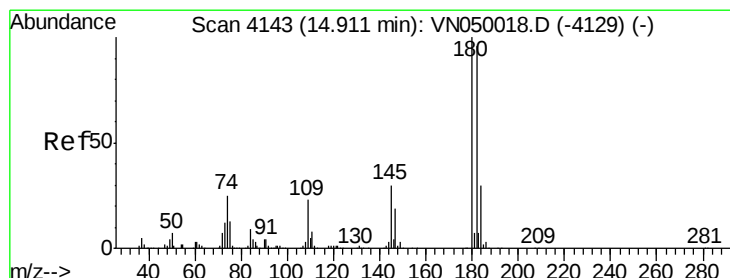
Ion 156.80 (156.50 to 157.50): VN050018.D (-3930) (-)

14.27

14.28



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.19 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.01 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

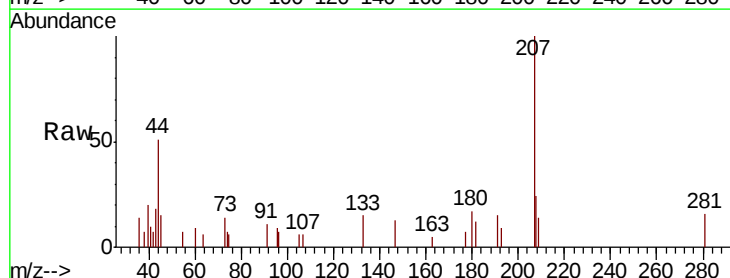
Tgt Ion: 180 Resp: 795

Ion Ratio Lower Upper

180 100

182 92.6 46.7 140.1

145 7.7 13.8 41.4#



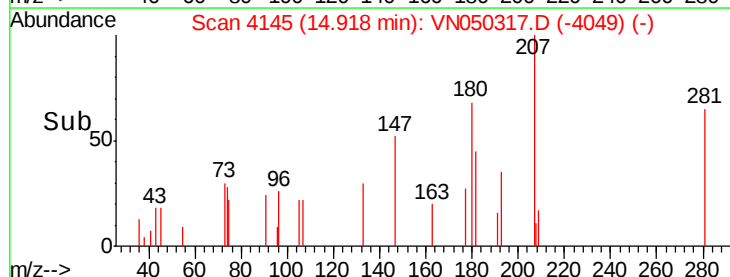
Abundance Ion 179.80 (179.50 to 180.50): VN050018.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN050018.D (-4129) (-)

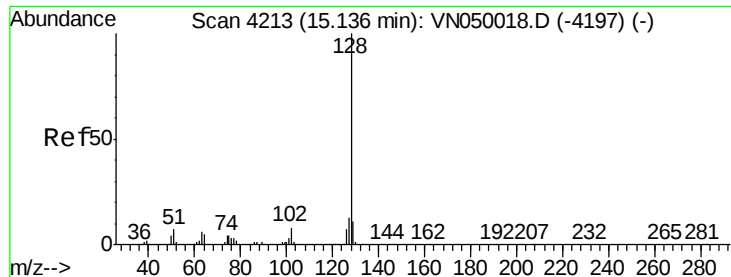
Ion 144.80 (144.50 to 145.50): VN050018.D (-4129) (-)

14.92

14.90



Time-->



#95

Naphthalene

Concen: 4.55 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#02

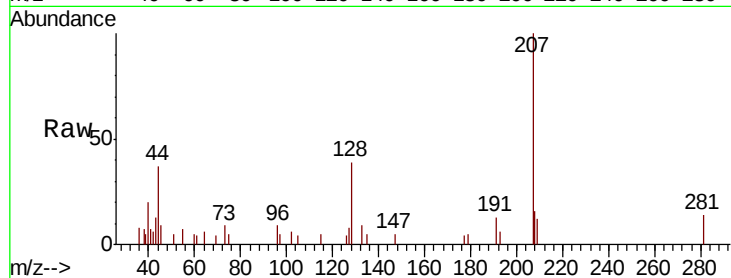
Tot Ion:128 Resp: 2557

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

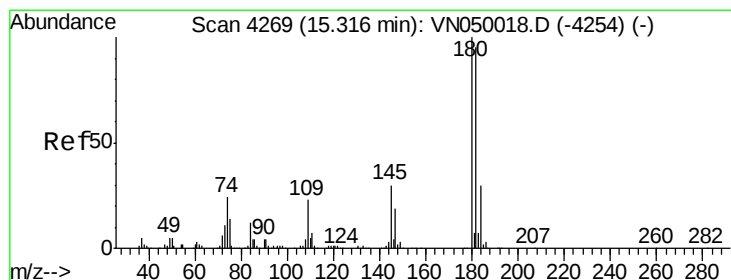
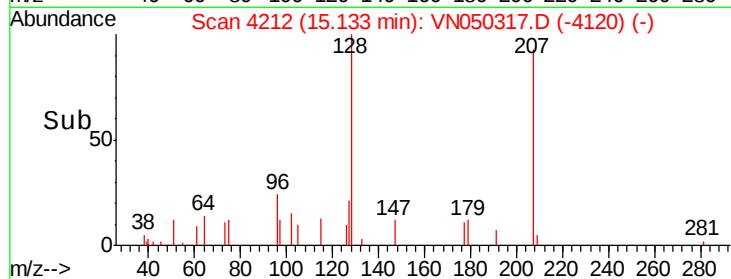
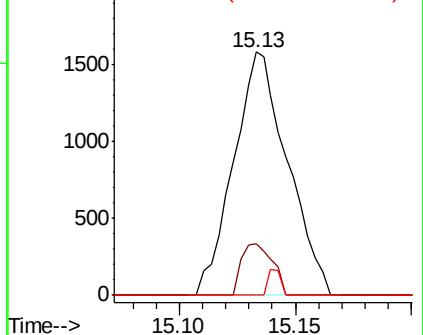
129 2.5 8.8 13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.32 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN050317.D

Acq: 3 Aug 2018 17:02

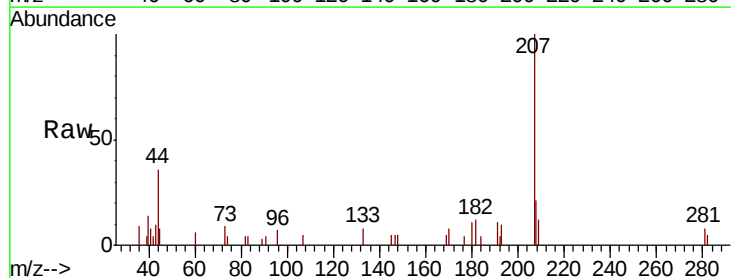
Tgt Ion:180 Resp: 869

Ion Ratio Lower Upper

180 100

182 76.1 48.1 144.4

145 19.3 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

