

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050761.D
 Acq On : 18 Aug 2018 9:05
 Operator : MD\SY
 Sample : PB112140ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112140ZHE#07

Quant Time: Aug 20 00:54:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	627243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	880584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	312931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	416465	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	390526	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	10.09	98	1414882	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
62) 4-Bromofluorobenzene	12.40	95	384906	37.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.68%	

Target Compounds

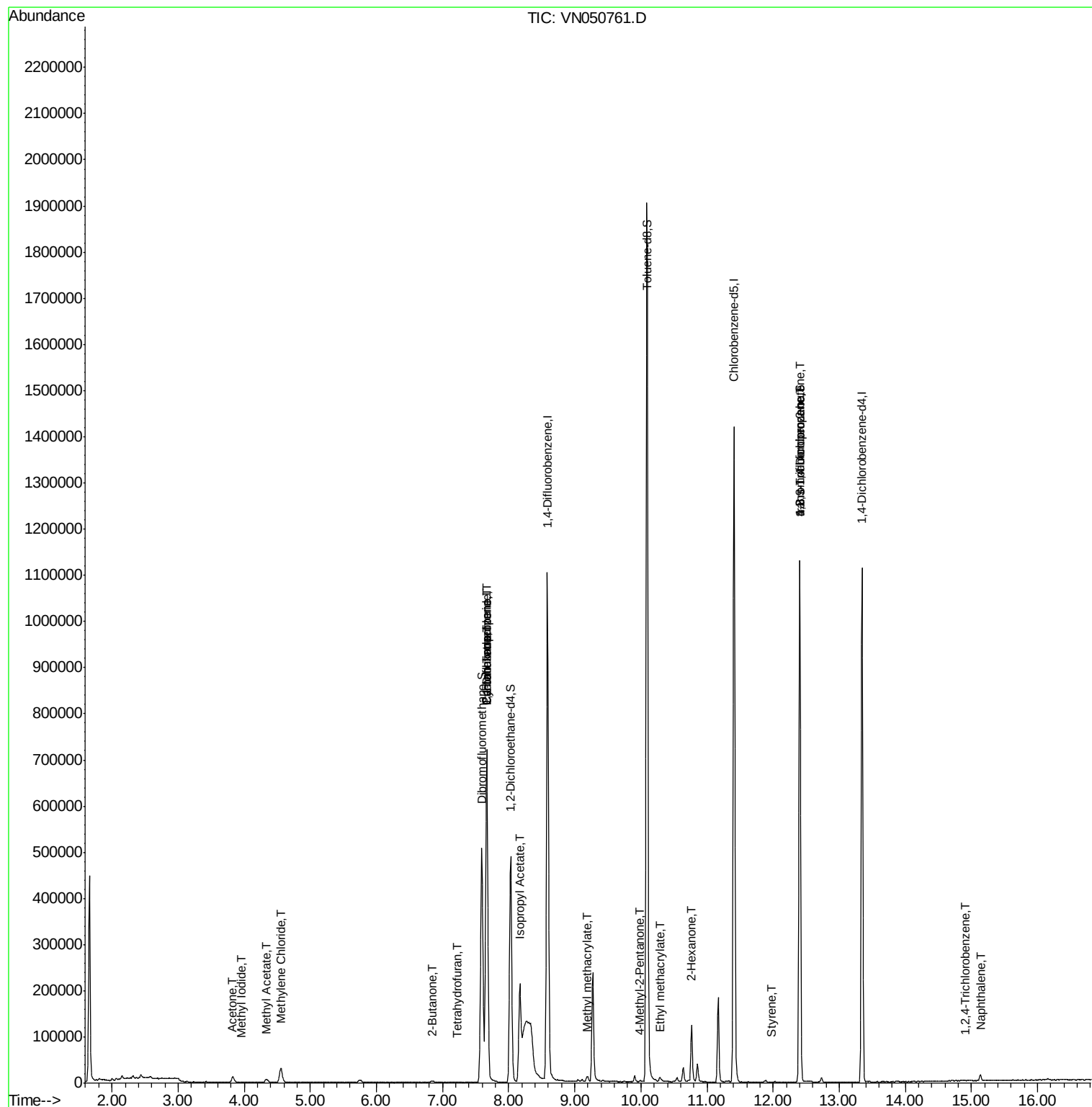
						Qvalue
3) Chloromethane	2.06	50	2427	Below Cal		98
5) Bromomethane	2.57	94	2695	Below Cal		87
6) Chloroethane	2.67	64	101	Below Cal	#	43
10) Methyl Iodide	3.96	142	176	6.98	ug/l #	42
16) Acetone	3.83	43	22698	10.11	ug/l	95
18) Methyl Acetate	4.34	43	15572	1.85	ug/l	93
20) Methylene Chloride	4.56	84	24323	2.02	ug/l	98
25) 2-Butanone	6.85	43	3813	1.18	ug/l	96
29) Tetrahydrofuran	7.23	42	703	0.42	ug/l #	33
31) Cyclohexane	7.67	56	10555	0.54	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44026	3.86	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56508	4.78	ug/l #	16
43) Isopropyl Acetate	8.17	43	270172	22.99	ug/l	95
48) Methyl methacrylate	9.18	41	6759	1.14	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	2474	0.31	ug/l	97
56) Ethyl methacrylate	10.29	69	99	1.91	ug/l #	1
59) 2-Hexanone	10.77	43	16559	3.23	ug/l #	59
70) Styrene	11.96	104	30	0.94	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	215	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	184542	36.22	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	184542	131.11	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	30	2.68	ug/l #	12
95) Naphthalene	15.14	128	11665	4.76	ug/l	99

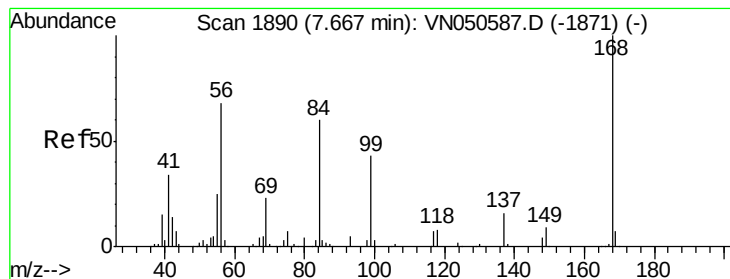
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

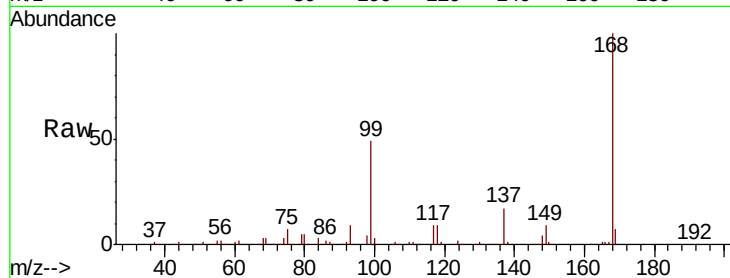
PB112140ZHE#07

Tot Ion:168 Resp: 627243

Ion Ratio Lower Upper

168 100

99 49.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

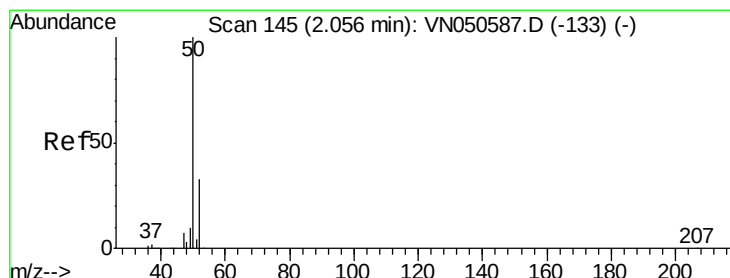
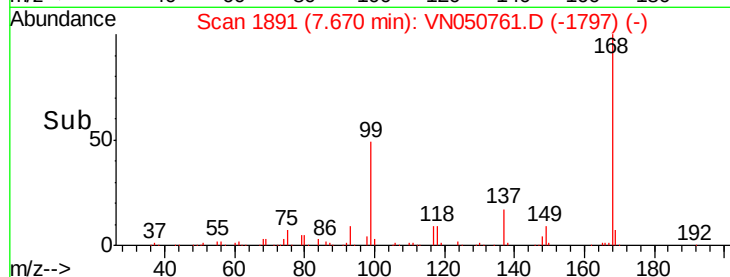
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050761.D

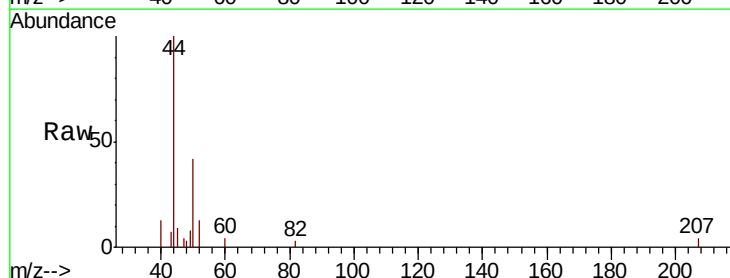
Acq: 18 Aug 2018 9:05

Tgt Ion: 50 Resp: 2427

Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2000

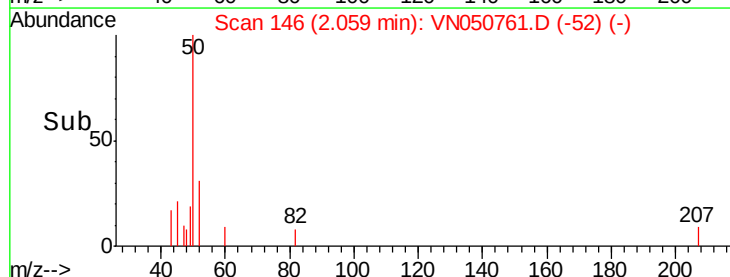
1500

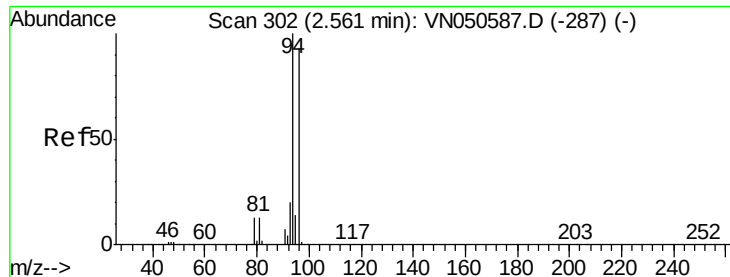
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

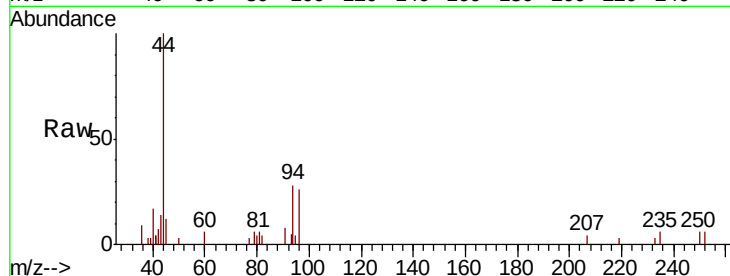
PB112140ZHE#07

Tot Ion: 94 Resp: 2695

Ion Ratio Lower Upper

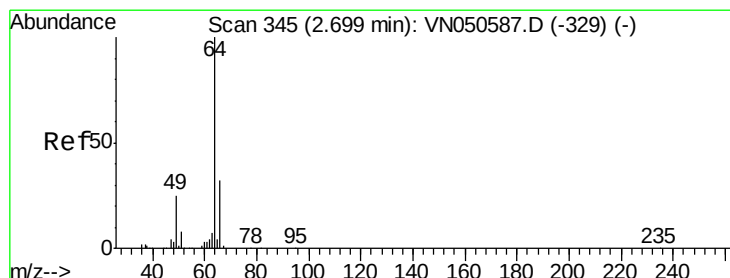
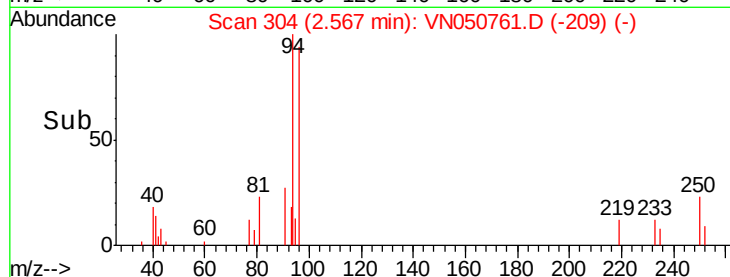
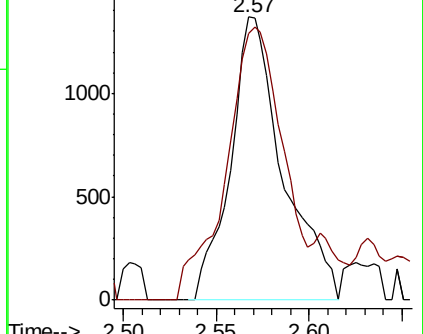
94 100

96 80.3 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: Below Cal

RT: 2.67 min Scan# 336

Delta R.T. -0.03 min

Lab File: VN050761.D

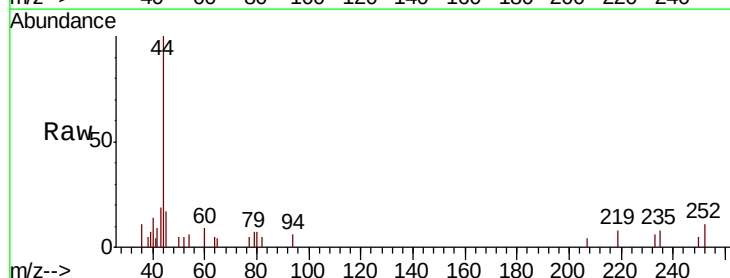
Acq: 18 Aug 2018 9:05

Tgt Ion: 64 Resp: 101

Ion Ratio Lower Upper

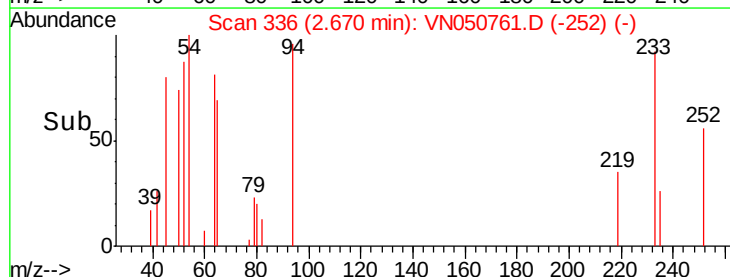
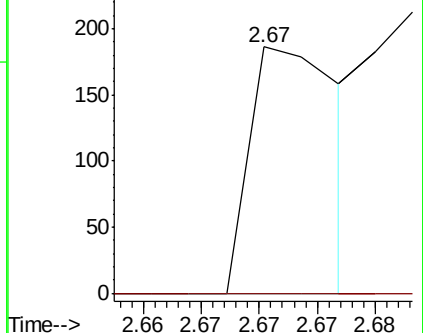
64 100

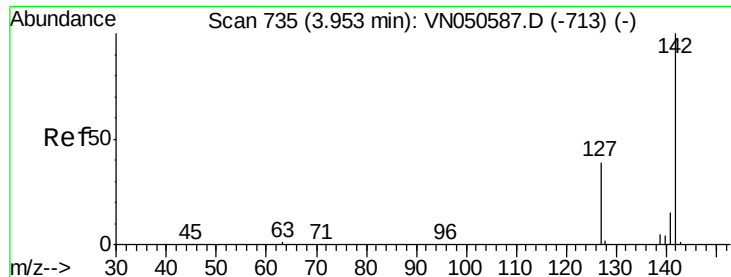
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

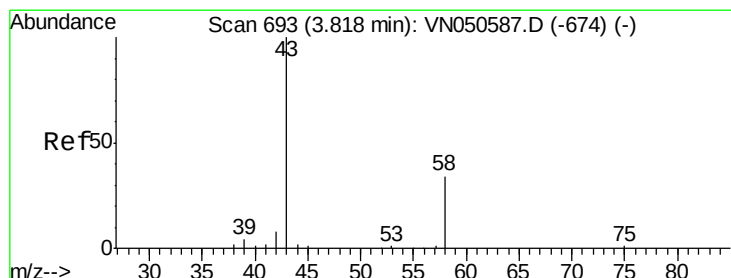
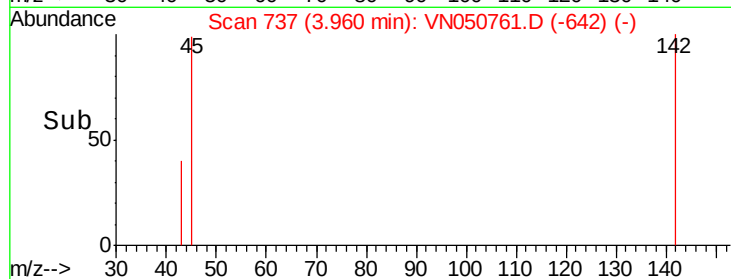
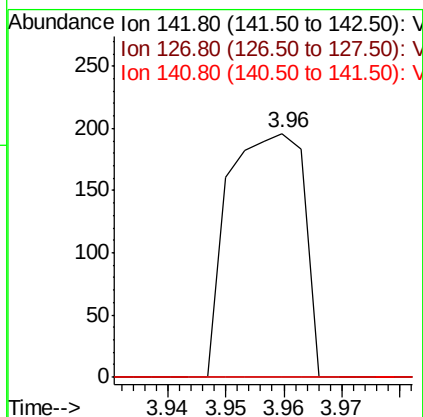
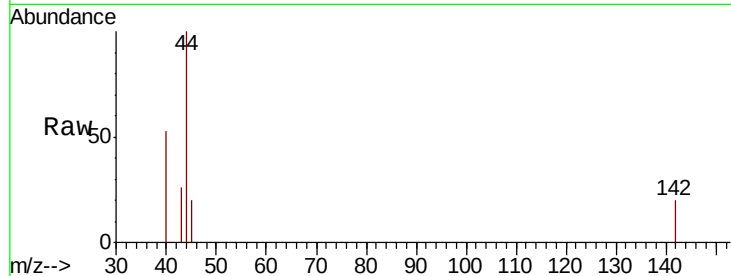




#10
Methyl Iodide
Concen: 6.98 ug/l
RT: 3.96 min Scan# 737
Delta R.T. 0.01 min
Lab File: VN050761.D
Acq: 18 Aug 2018 9:05

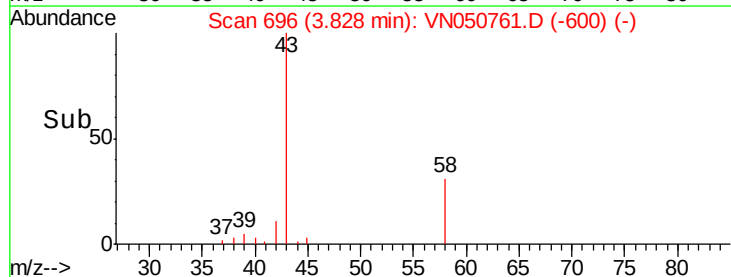
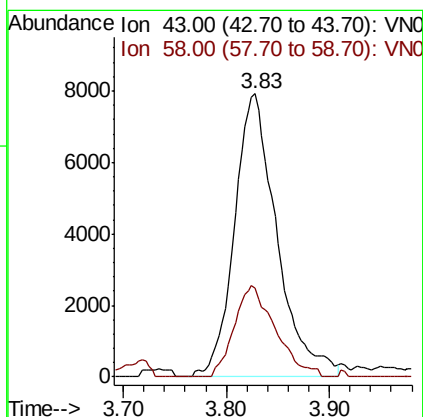
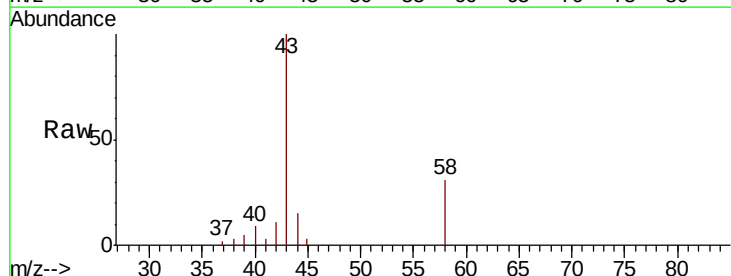
Instrument :
MSVOA_N
ClientSampleId :
PB112140ZHE#07

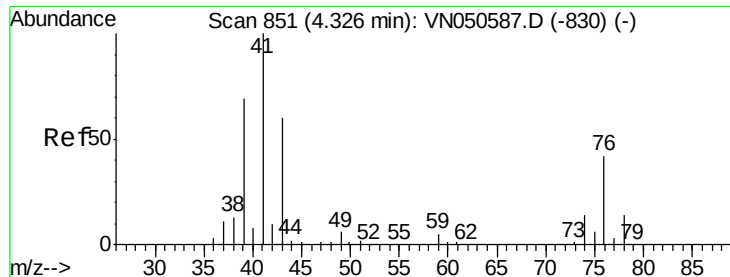
Tot Ion:142 Resp: 176
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 10.11 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN050761.D
Acq: 18 Aug 2018 9:05

Tgt Ion: 43 Resp: 22698
Ion Ratio Lower Upper
43 100
58 31.3 27.1 40.7





#18

Methyl Acetate

Concen: 1.85 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

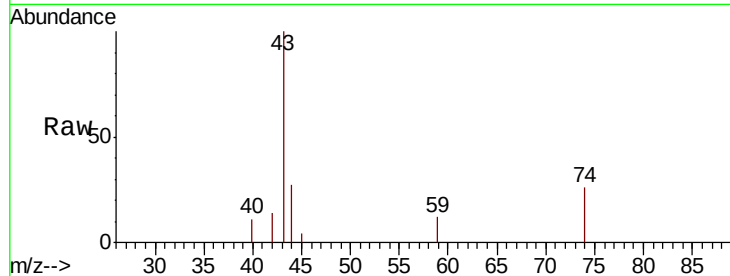
PB112140ZHE#07

Tot Ion: 43 Resp: 15572

Ion Ratio Lower Upper

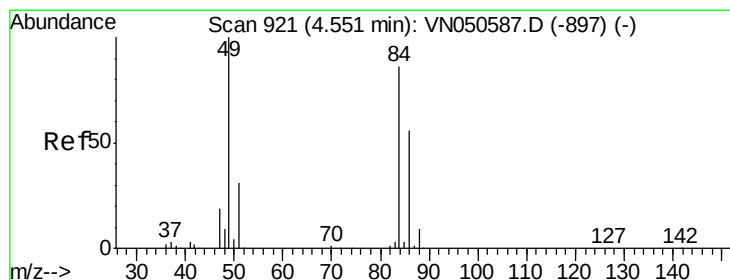
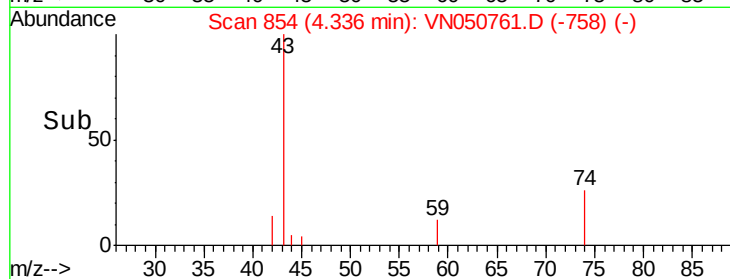
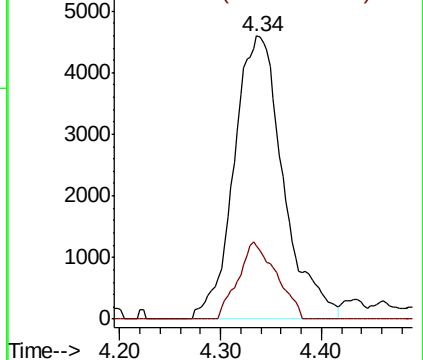
43 100

74 21.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 2.02 ug/l

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Tgt Ion: 84 Resp: 24323

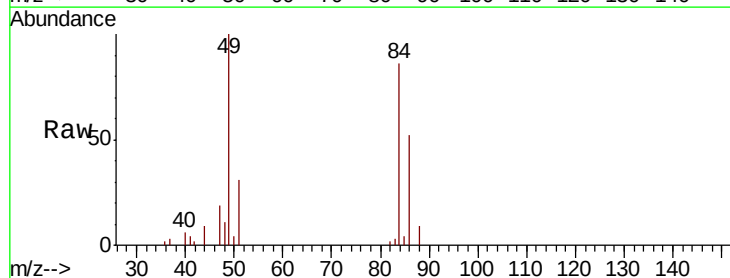
Ion Ratio Lower Upper

84 100

49 116.5 92.6 138.8

51 36.4 28.6 43.0

86 61.2 52.2 78.2

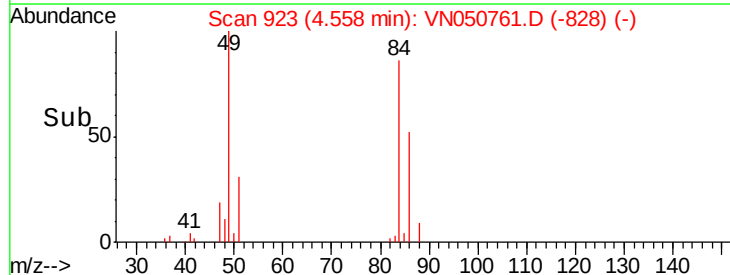
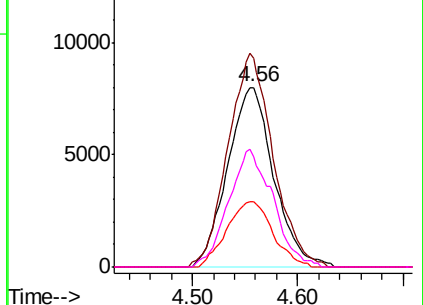


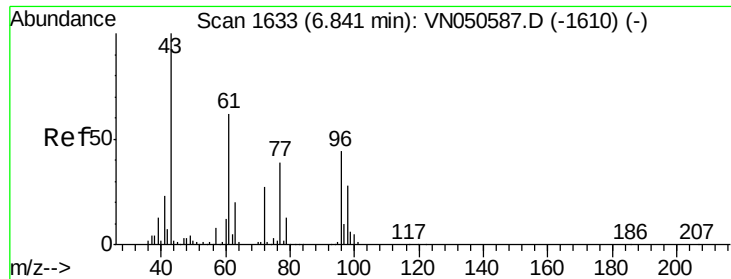
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

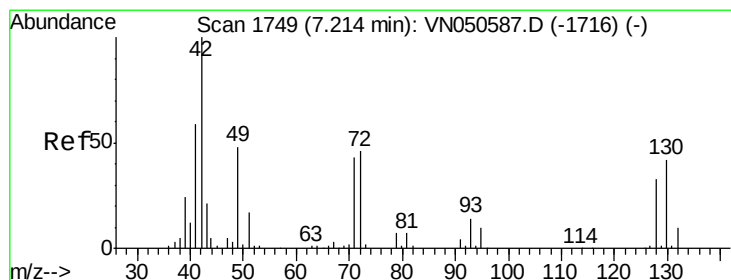
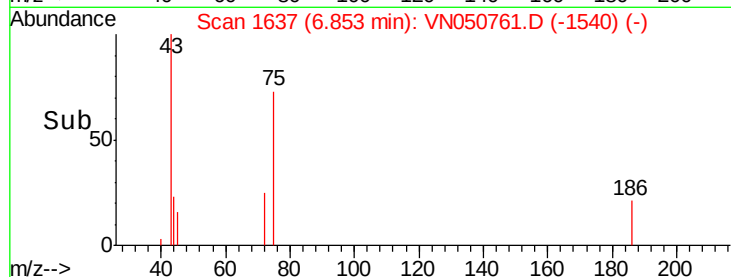
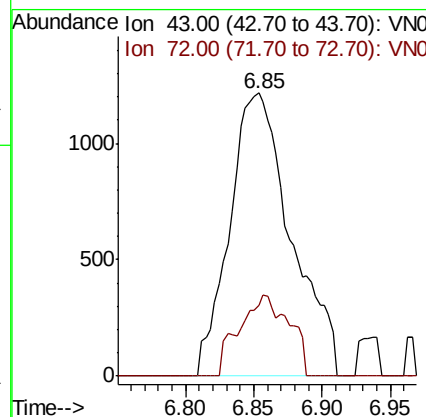
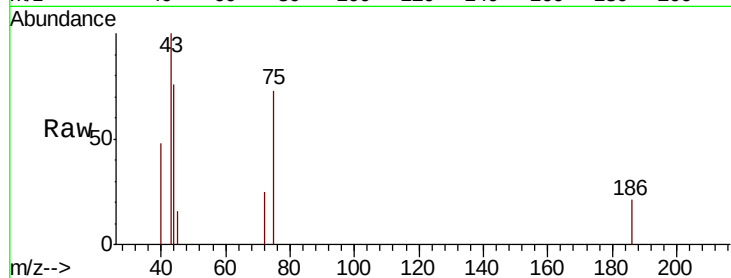




#25
 2-Butanone
 Concen: 1.18 ug/l
 RT: 6.85 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: VN050761.D
 Acq: 18 Aug 2018 9:05

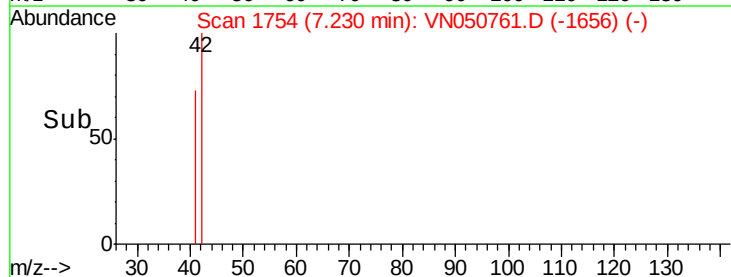
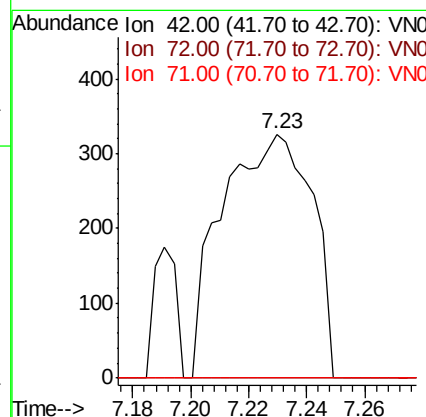
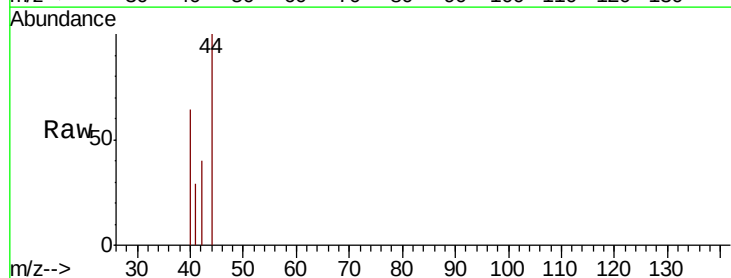
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112140ZHE#07

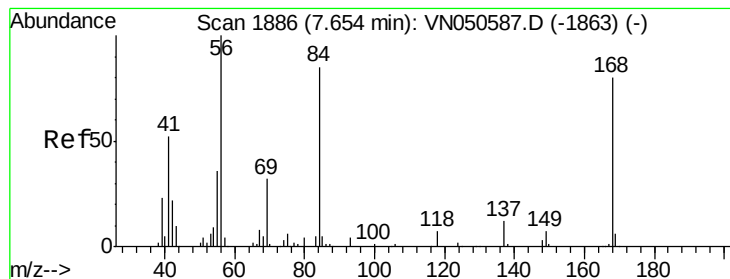
Tot Ion: 43 Resp: 3813
 Ion Ratio Lower Upper
 43 100
 72 25.1 21.8 32.6



#29
 Tetrahydrofuran
 Concen: 0.42 ug/l
 RT: 7.23 min Scan# 1754
 Delta R.T. 0.02 min
 Lab File: VN050761.D
 Acq: 18 Aug 2018 9:05

Tgt Ion: 42 Resp: 703
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.8 53.6#
 71 0.0 33.4 50.0#





#31

Cyclohexane

Concen: 0.54 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

PB112140ZHE#07

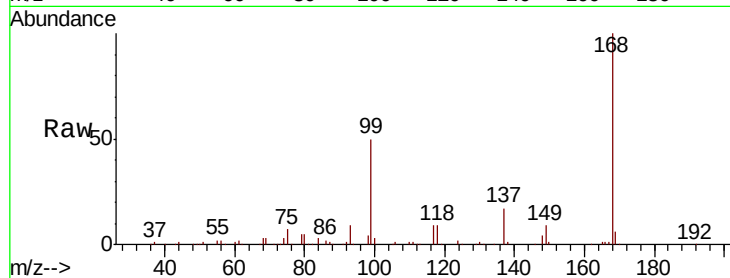
Tot Ion: 56 Resp: 10555

Ion Ratio Lower Upper

56 100

69 196.7 25.8 38.6#

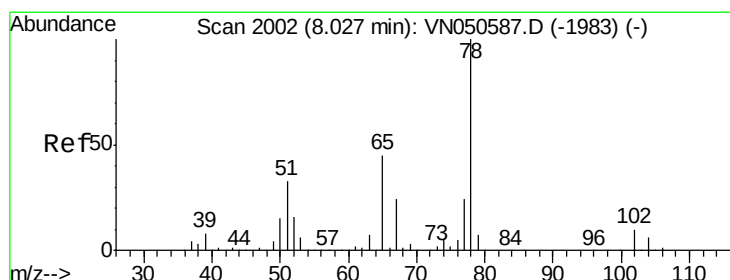
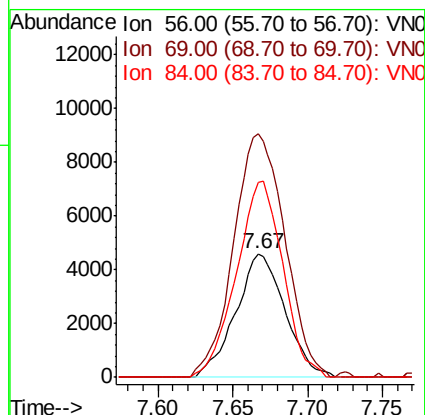
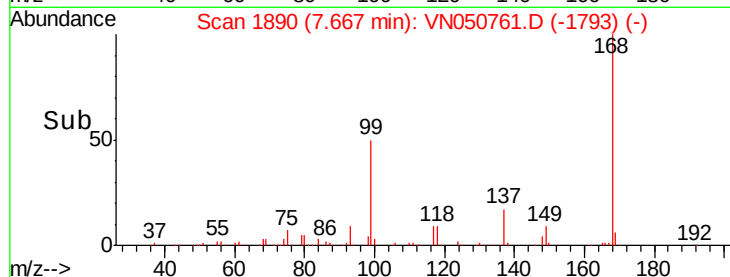
84 157.7 67.8 101.6#



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: 52.67 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050761.D

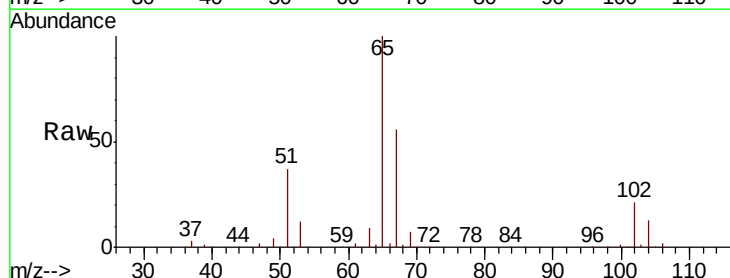
Acq: 18 Aug 2018 9:05

Tgt Ion: 65 Resp: 416465

Ion Ratio Lower Upper

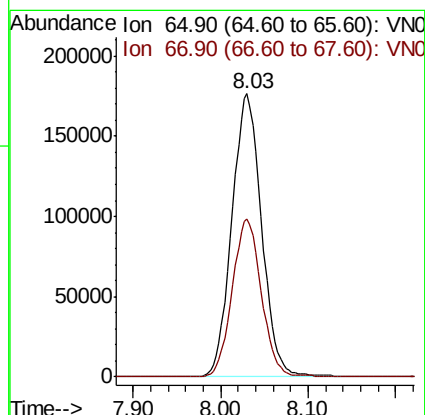
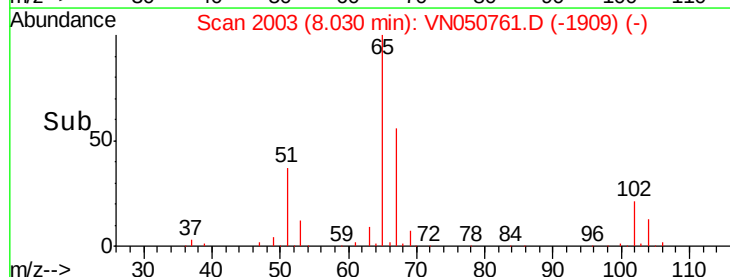
65 100

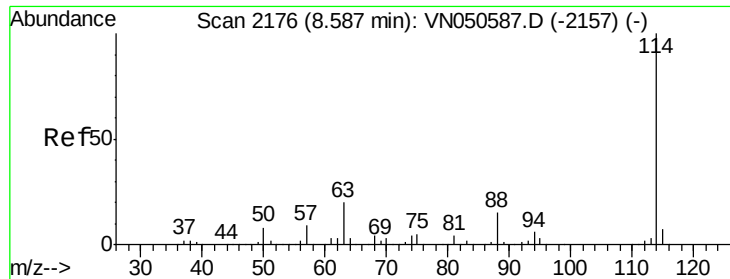
67 54.8 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

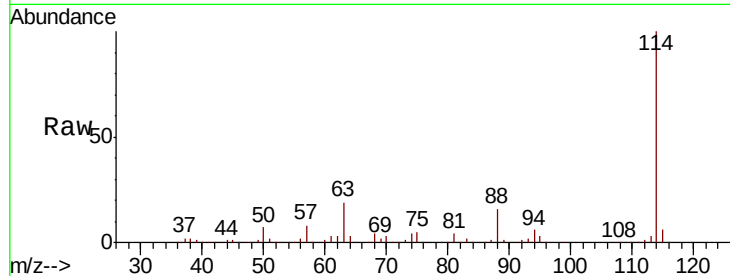




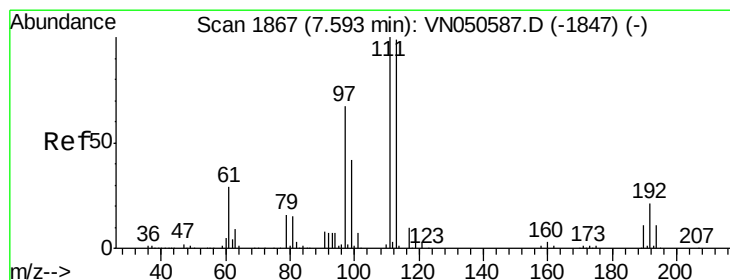
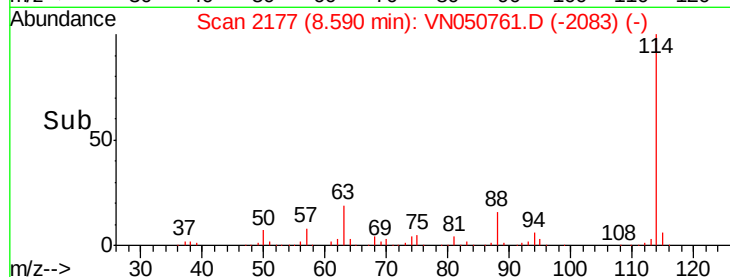
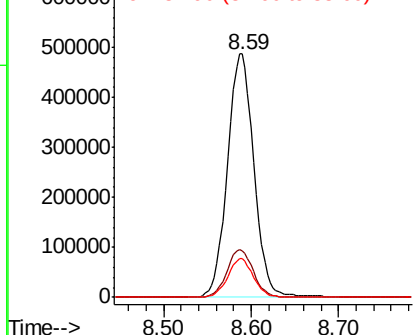
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050761.D
 Acq: 18 Aug 2018 9:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112140ZHE#07

Tot Ion:114 Resp: 1024666
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.8 0.0 30.8

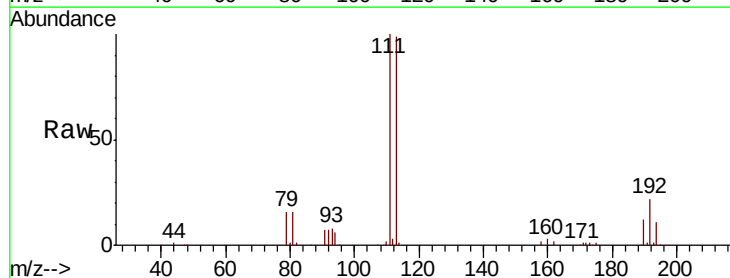


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

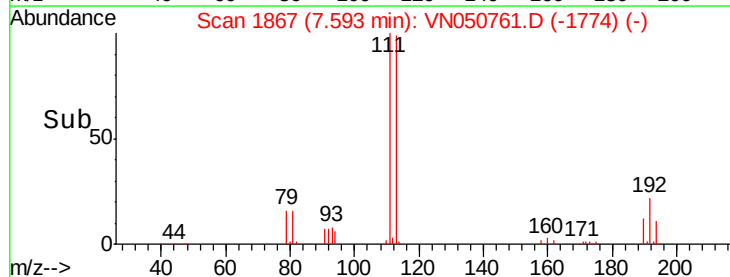
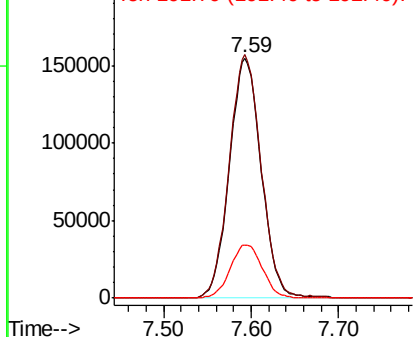


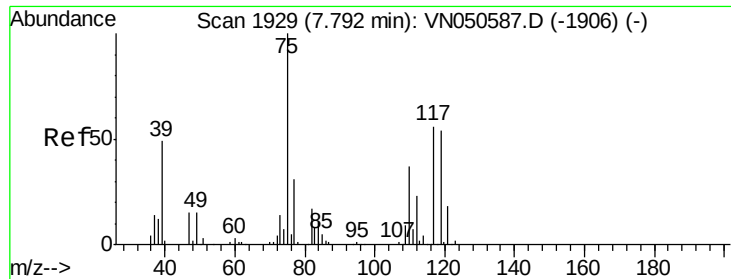
#35
 Dibromofluoromethane
 Concen: 47.74 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050761.D
 Acq: 18 Aug 2018 9:05

Tgt Ion:113 Resp: 390526
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.6
 192 22.6 17.6 26.4



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

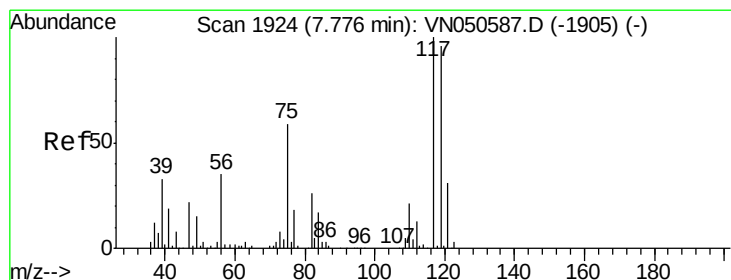
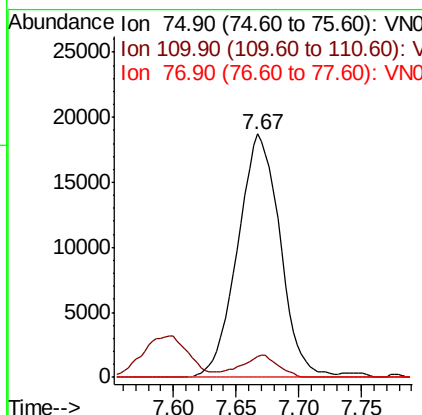
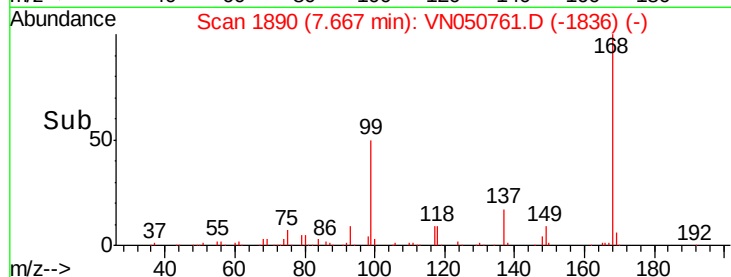
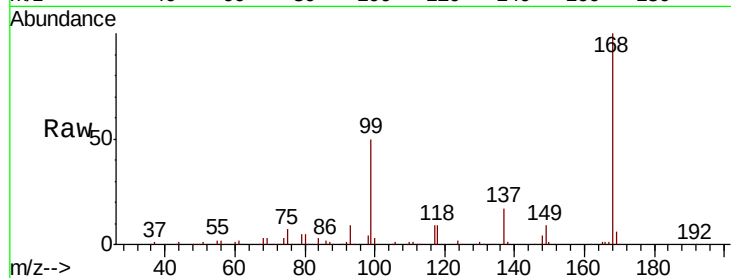




#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050761.D
 Acq: 18 Aug 2018 9:05

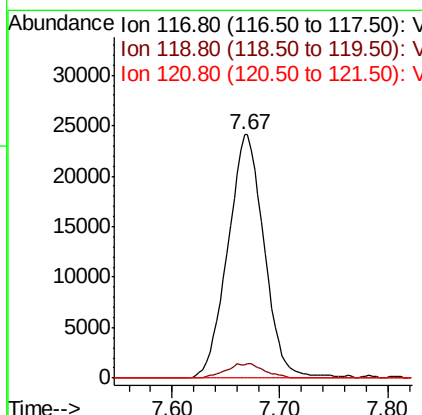
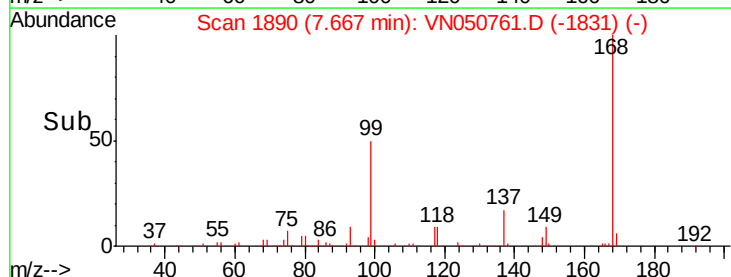
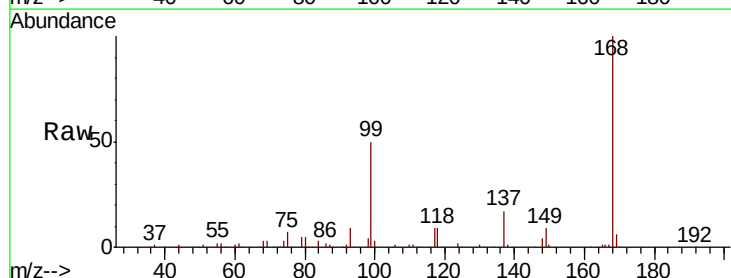
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112140ZHE#07

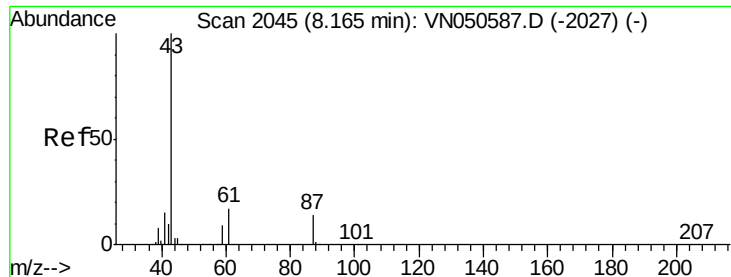
Tot Ion: 75 Resp: 44026
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.3 54.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 4.78 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050761.D
 Acq: 18 Aug 2018 9:05

Tgt Ion: 117 Resp: 56508
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.6 115.0#
 121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 22.99 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

PB112140ZHE#07

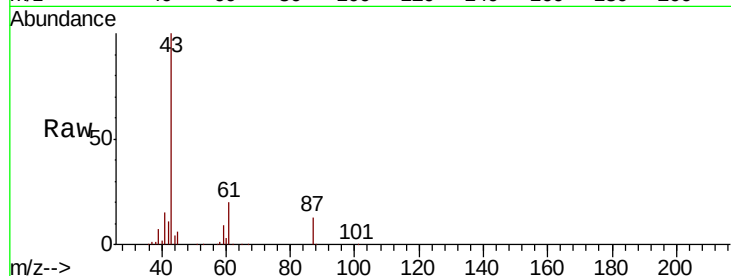
Tot Ion: 43 Resp: 270172

Ion Ratio Lower Upper

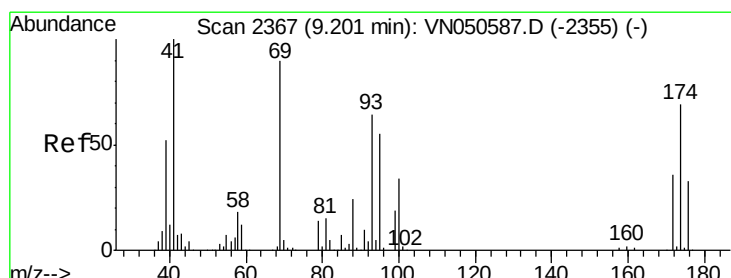
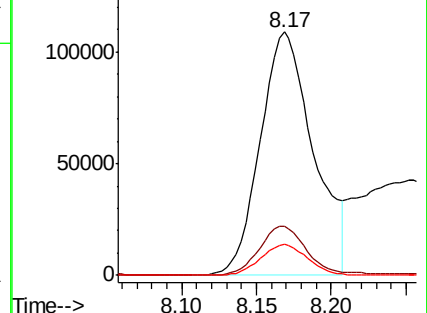
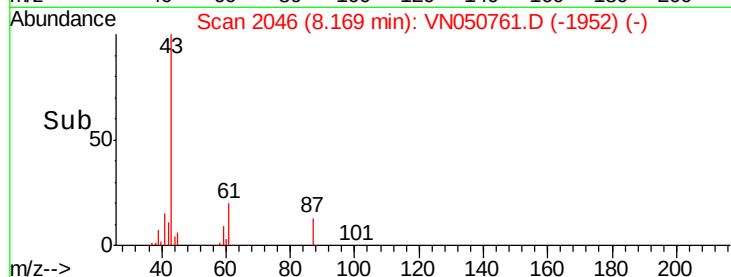
43 100

61 18.3 16.2 24.2

87 11.3 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.14 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

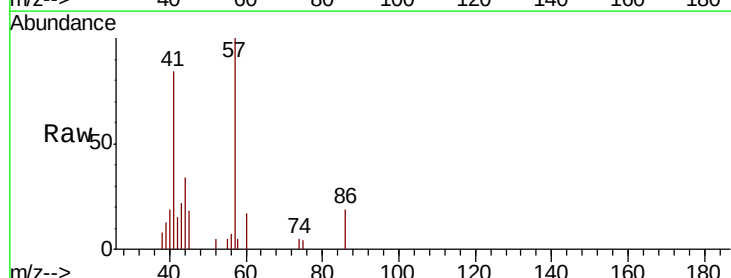
Tgt Ion: 41 Resp: 6759

Ion Ratio Lower Upper

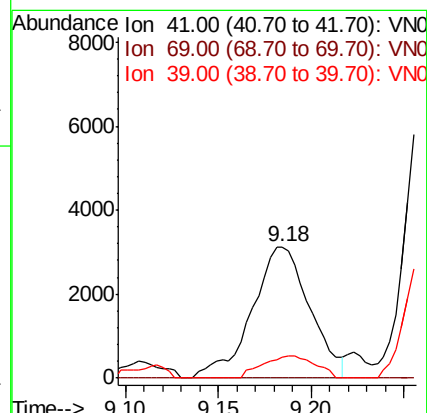
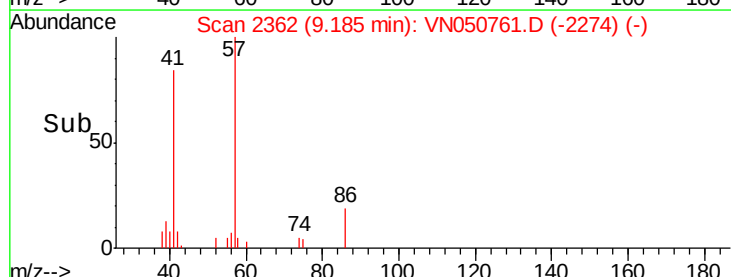
41 100

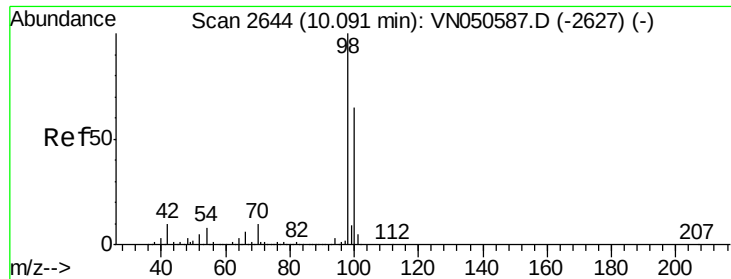
69 0.0 73.4 110.0#

39 15.6 43.0 64.6#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

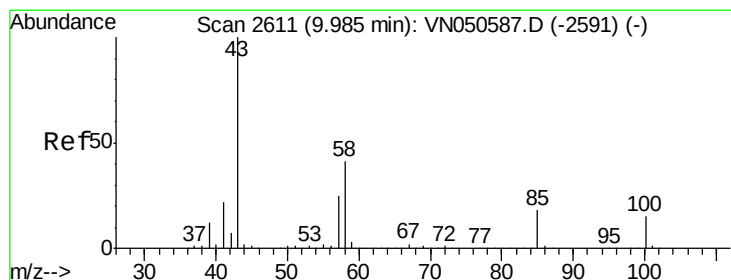
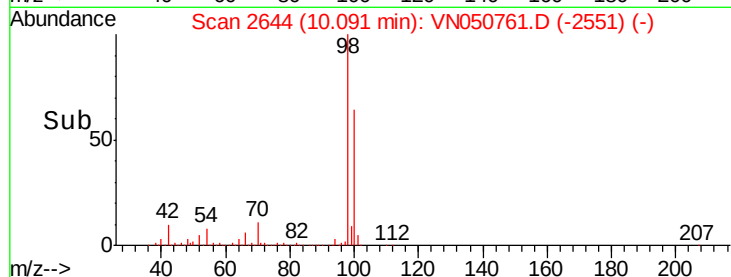
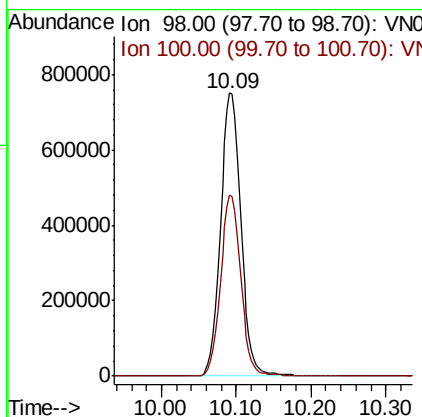
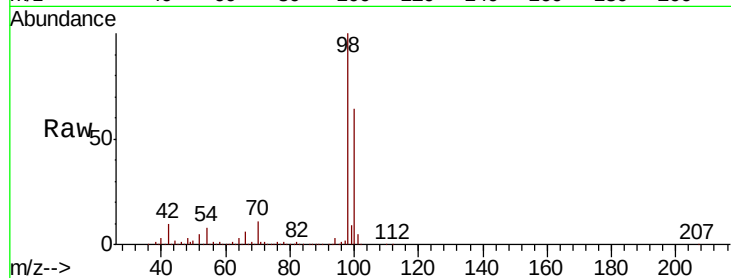




#50
Toluene-d8
Concen: 45.96 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050761.D
Acq: 18 Aug 2018 9:05

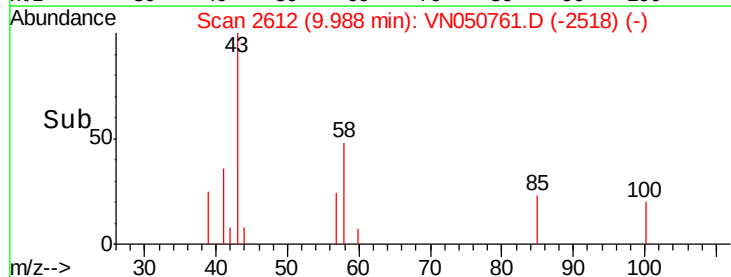
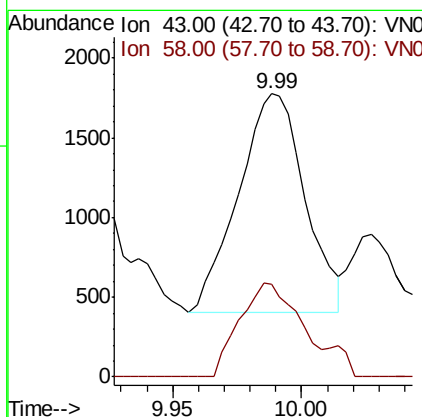
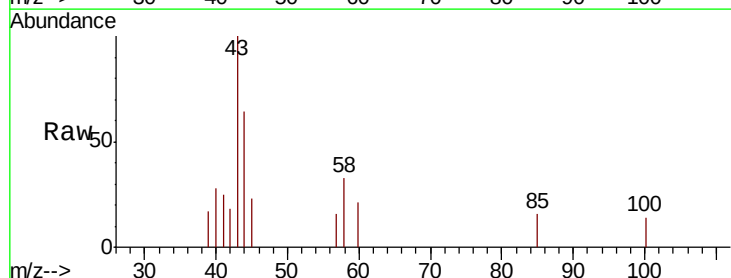
Instrument :
MSVOA_N
ClientSampleId :
PB112140ZHE#07

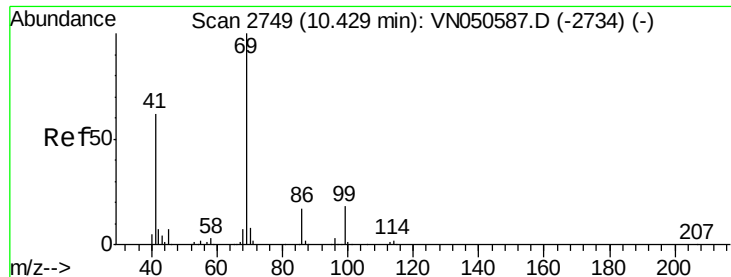
Tot Ion: 98 Resp: 1414882
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.31 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050761.D
Acq: 18 Aug 2018 9:05

Tgt Ion: 43 Resp: 2474
Ion Ratio Lower Upper
43 100
58 42.6 32.5 48.7





#56

Ethyl methacrylate

Concen: 1.91 ug/l

RT: 10.29 min Scan# 2707

Delta R.T. -0.13 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

PB112140ZHE#07

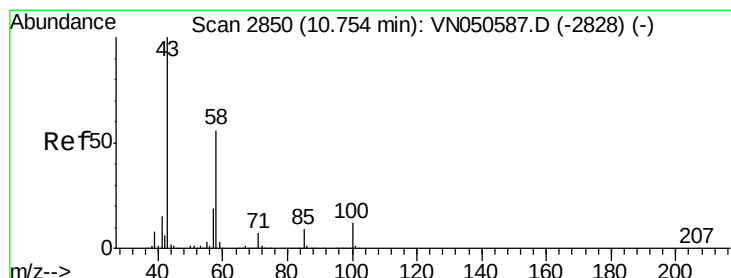
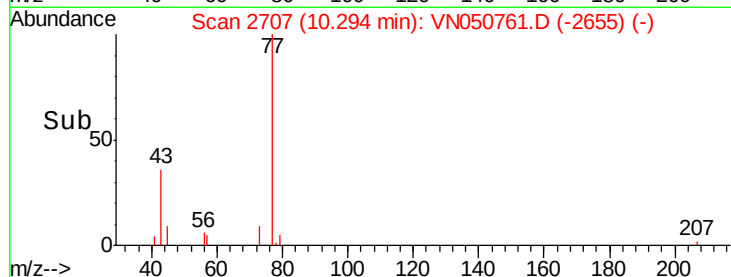
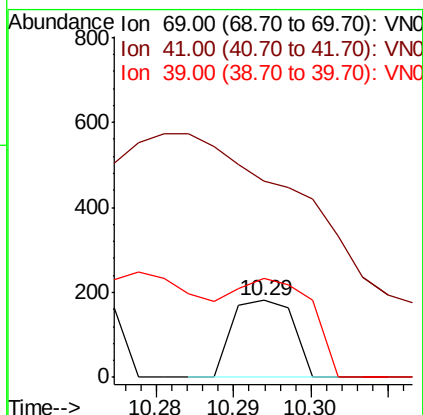
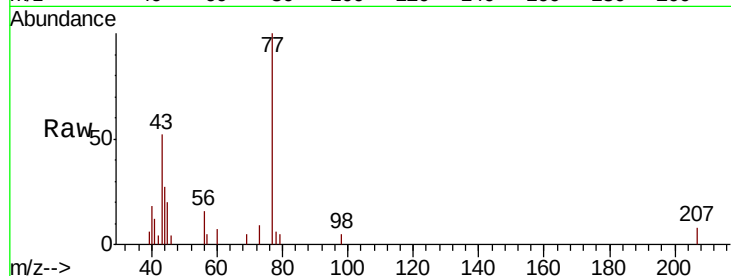
Tot Ion: 69 Resp: 99

Ion Ratio Lower Upper

69 100

41 1517.2 49.7 74.5#

39 281.8 24.2 36.2#



#59

2-Hexanone

Concen: 3.23 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050761.D

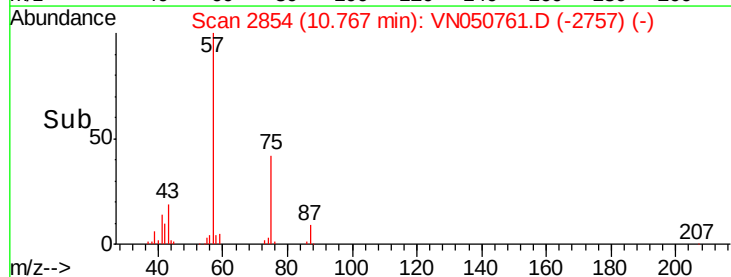
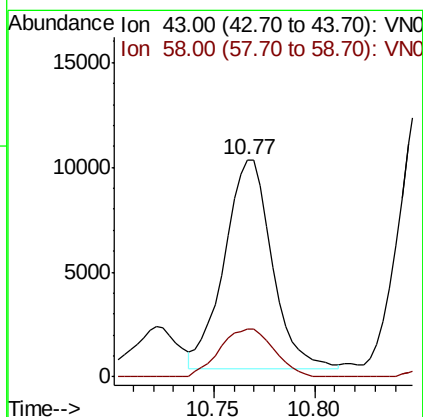
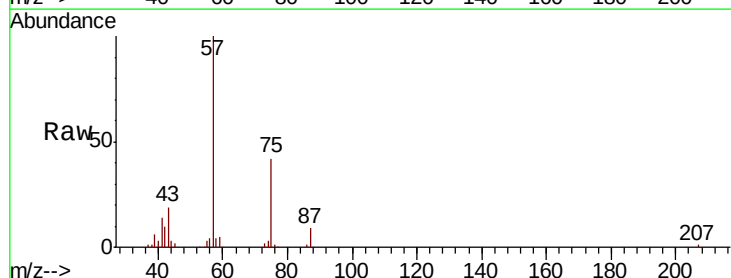
Acq: 18 Aug 2018 9:05

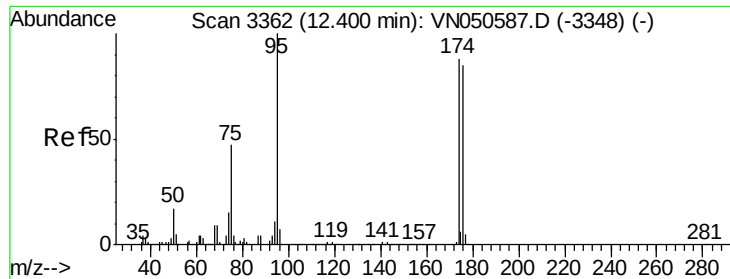
Tgt Ion: 43 Resp: 16559

Ion Ratio Lower Upper

43 100

58 25.9 28.0 84.0#





#62

4-Bromofluorobenzene

Concen: 37.84 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

PB112140ZHE#07

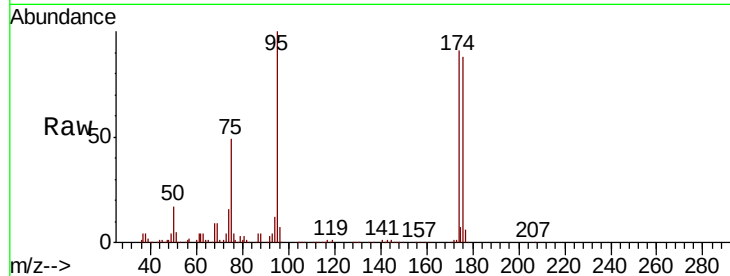
Tot Ion: 95 Resp: 384906

Ion Ratio Lower Upper

95 100

174 91.3 0.0 177.8

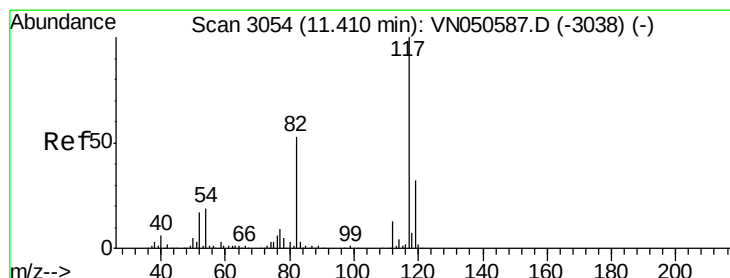
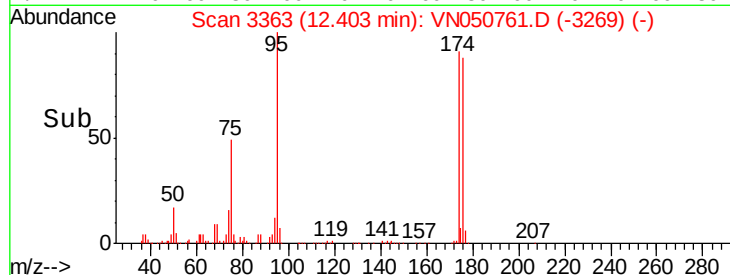
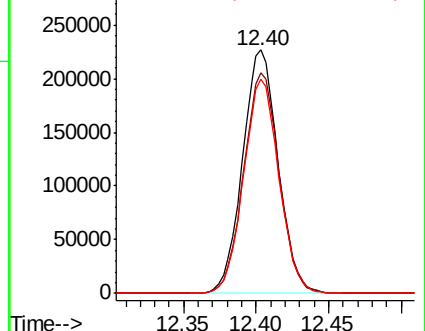
176 87.7 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

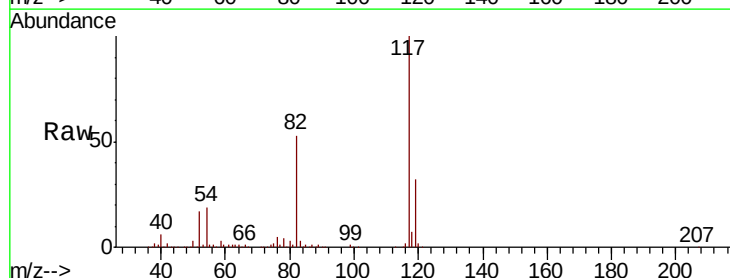
Tgt Ion: 117 Resp: 880584

Ion Ratio Lower Upper

117 100

82 52.6 42.4 63.6

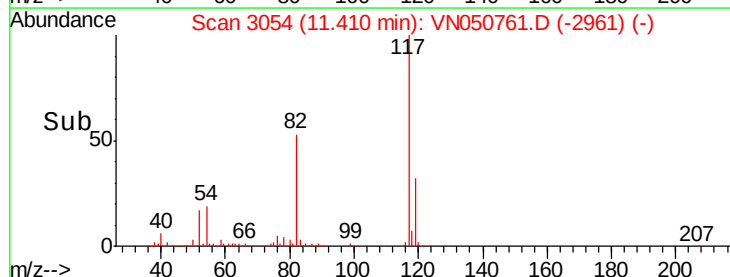
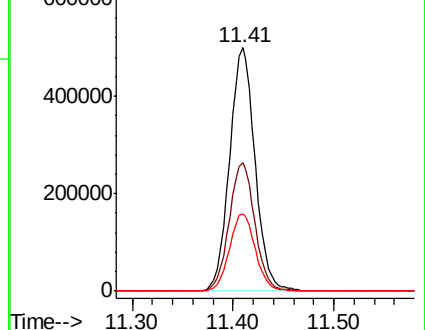
119 32.0 25.8 38.8

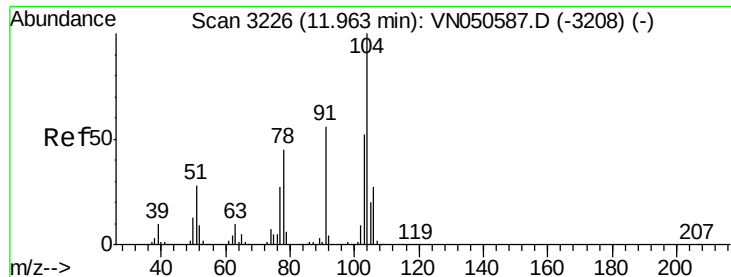


Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)

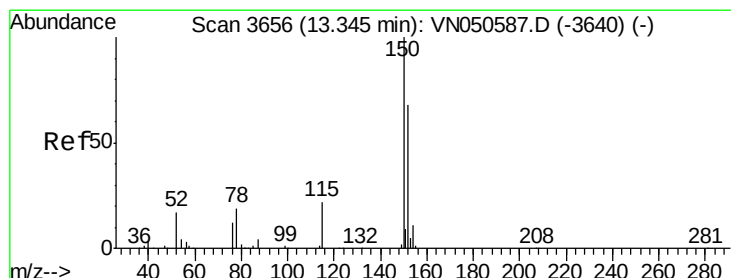
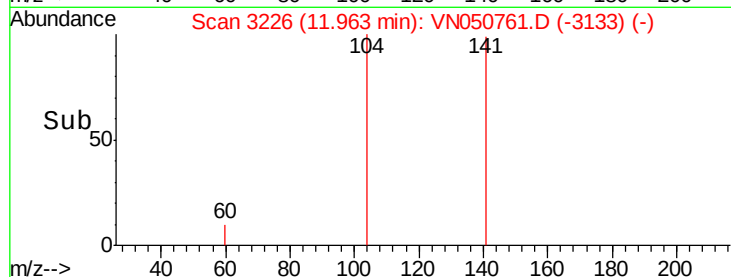
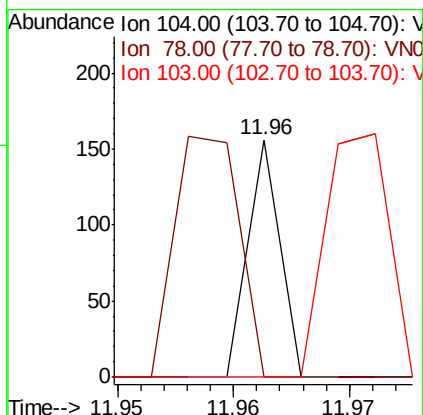
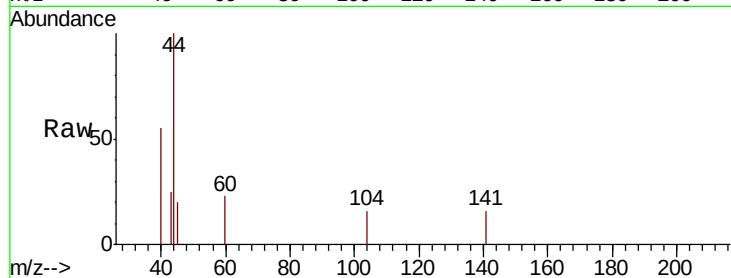




#70
Stvrene
Concen: 0.94 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050761.D
Acq: 18 Aug 2018 9:05

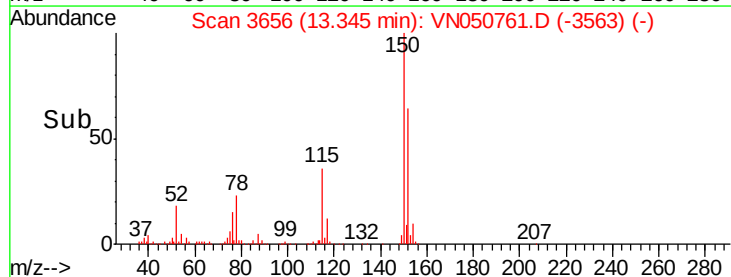
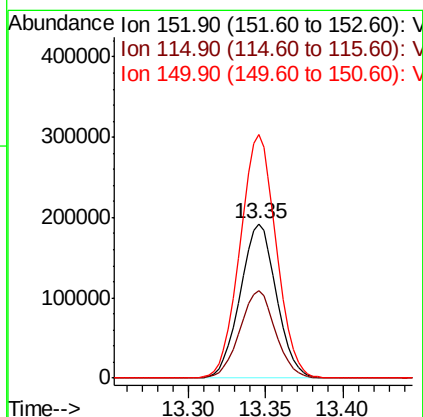
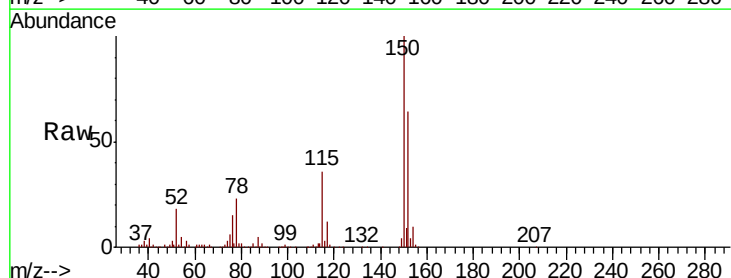
Instrument :
MSVOA_N
ClientSampleId :
PB112140ZHE#07

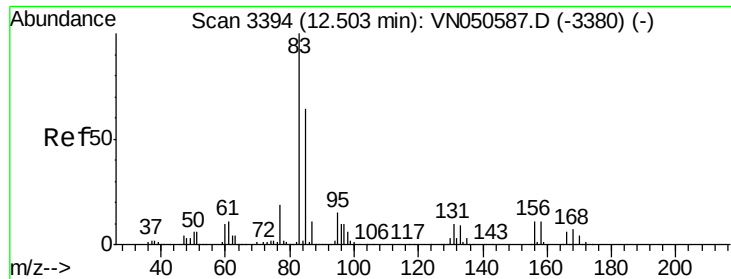
Tot Ion	Ratio	Lower	Upper
104	100		
78	200.0	39.1	58.7#
103	200.0	44.9	67.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050761.D
Acq: 18 Aug 2018 9:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.1	84.2
150	157.2	0.0	347.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

PB112140ZHE#07

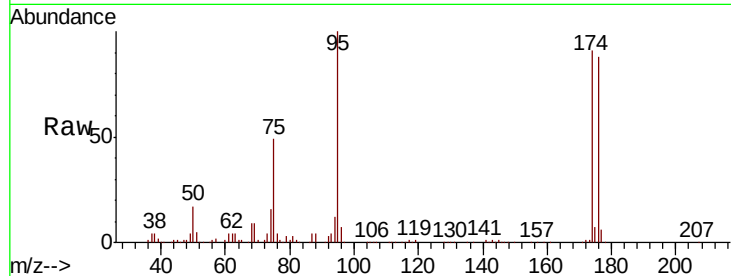
Tot Ion: 83 Resp: 215

Ion Ratio Lower Upper

83 100

131 272.1 5.3 15.9#

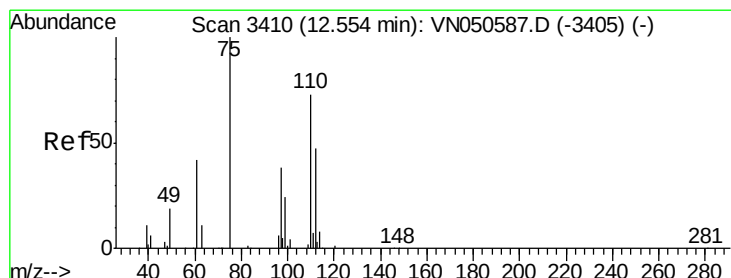
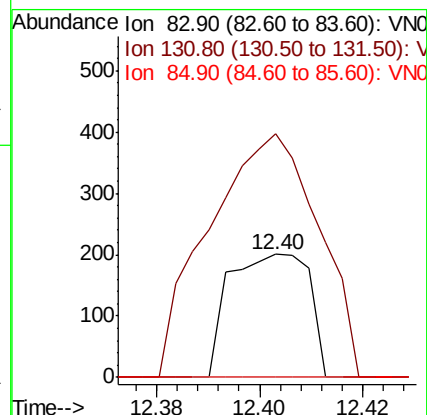
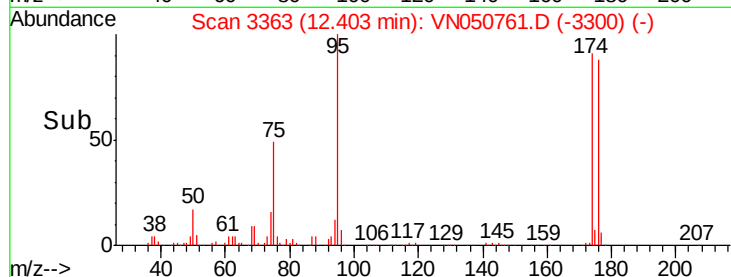
85 0.0 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 36.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050761.D

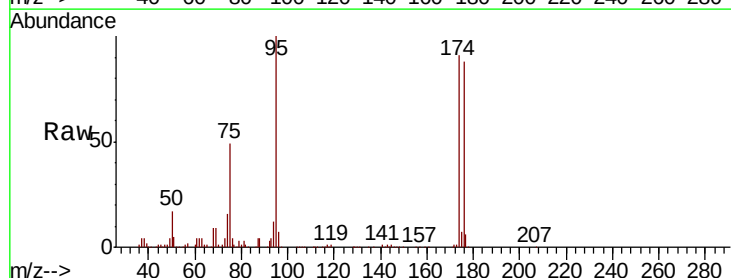
Acq: 18 Aug 2018 9:05

Tgt Ion: 75 Resp: 184542

Ion Ratio Lower Upper

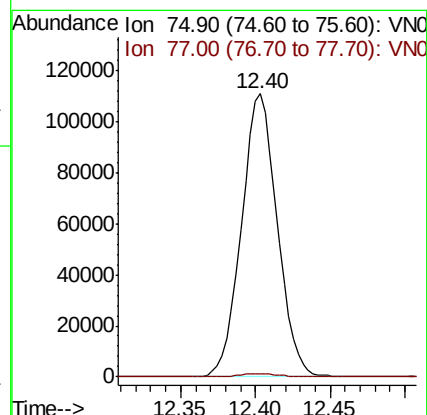
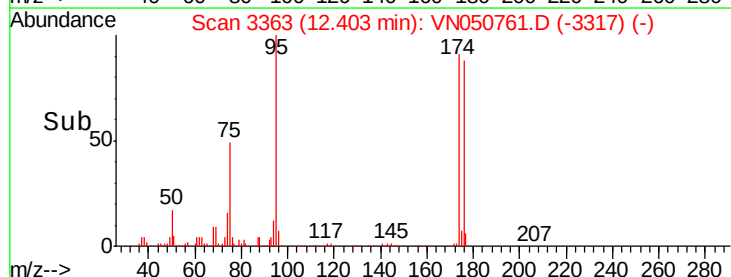
75 100

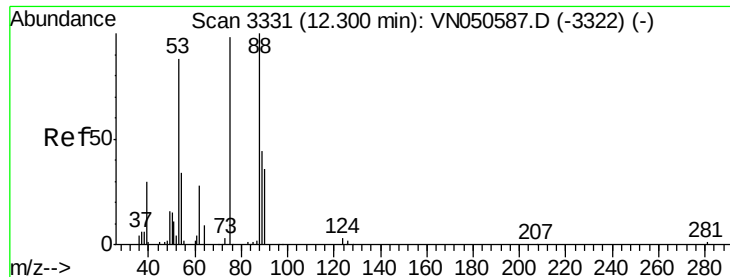
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 131.11 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

Instrument :

MSVOA_N

ClientSampleId :

PB112140ZHE#07

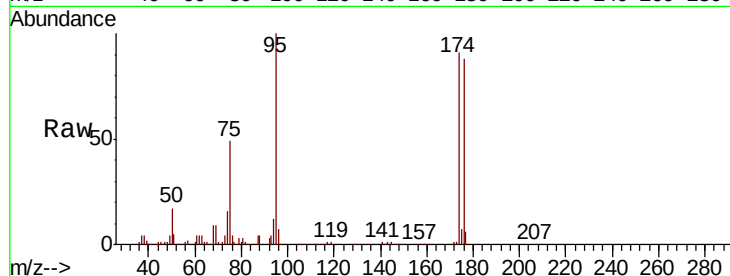
Tot Ion: 75 Resp: 184542

Ion Ratio Lower Upper

75 100

53 0.1 72.2 108.2#

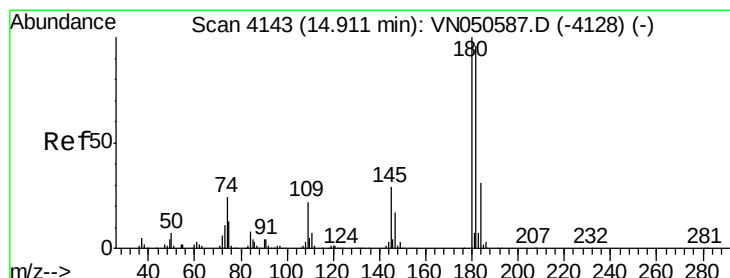
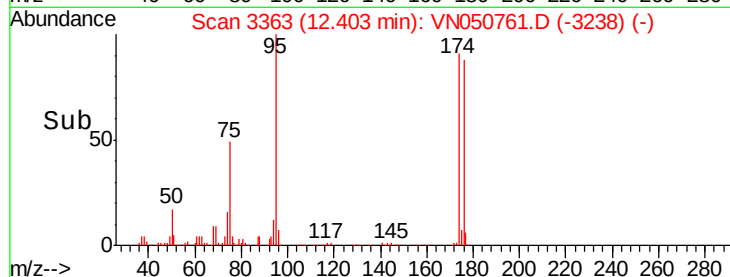
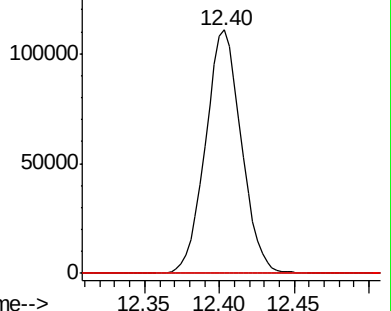
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN050761.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050761.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050761.D (-3363) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.68 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN050761.D

Acq: 18 Aug 2018 9:05

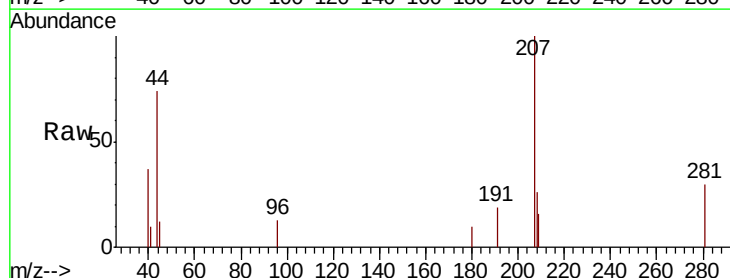
Tgt Ion: 180 Resp: 30

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.7#

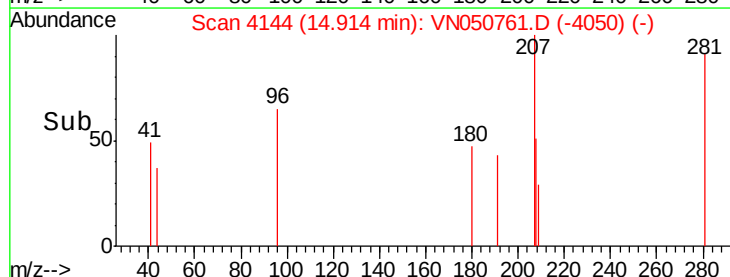
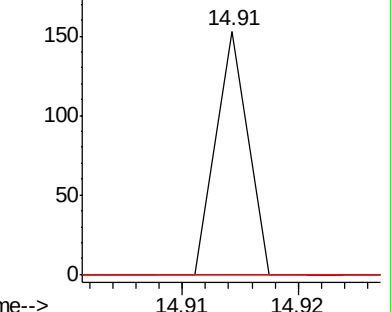
145 0.0 14.4 43.4#

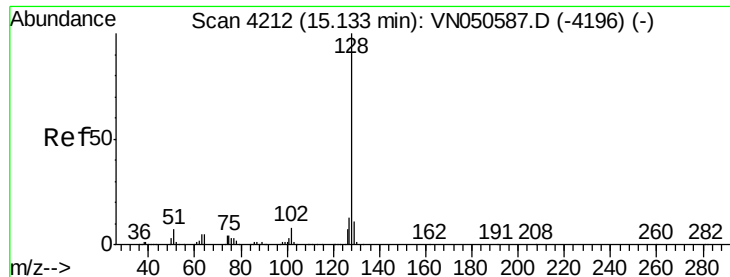


Abundance Ion 179.80 (179.50 to 180.50): VN050761.D (-4144) (-)

Ion 181.80 (181.50 to 182.50): VN050761.D (-4144) (-)

Ion 144.80 (144.50 to 145.50): VN050761.D (-4144) (-)





#95
 Naphthalene
 Concen: 4.76 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050761.D
 Acq: 18 Aug 2018 9:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112140ZHE#07

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.0	8.5	12.7

