

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049967.D
 Acq On : 20 Jul 2018 17:13
 Operator : MD\SY
 Sample : PB111289ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#07

Quant Time: Jul 20 23:48:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	535955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	923810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	780709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286330	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	397878	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	
35) Dibromofluoromethane	7.59	113	349538	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
50) Toluene-d8	10.09	98	1220668	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	
62) 4-Bromofluorobenzene	12.40	95	340393	34.98	ug/l	0.00
Spiked Amount			Recovery	=	69.96%	

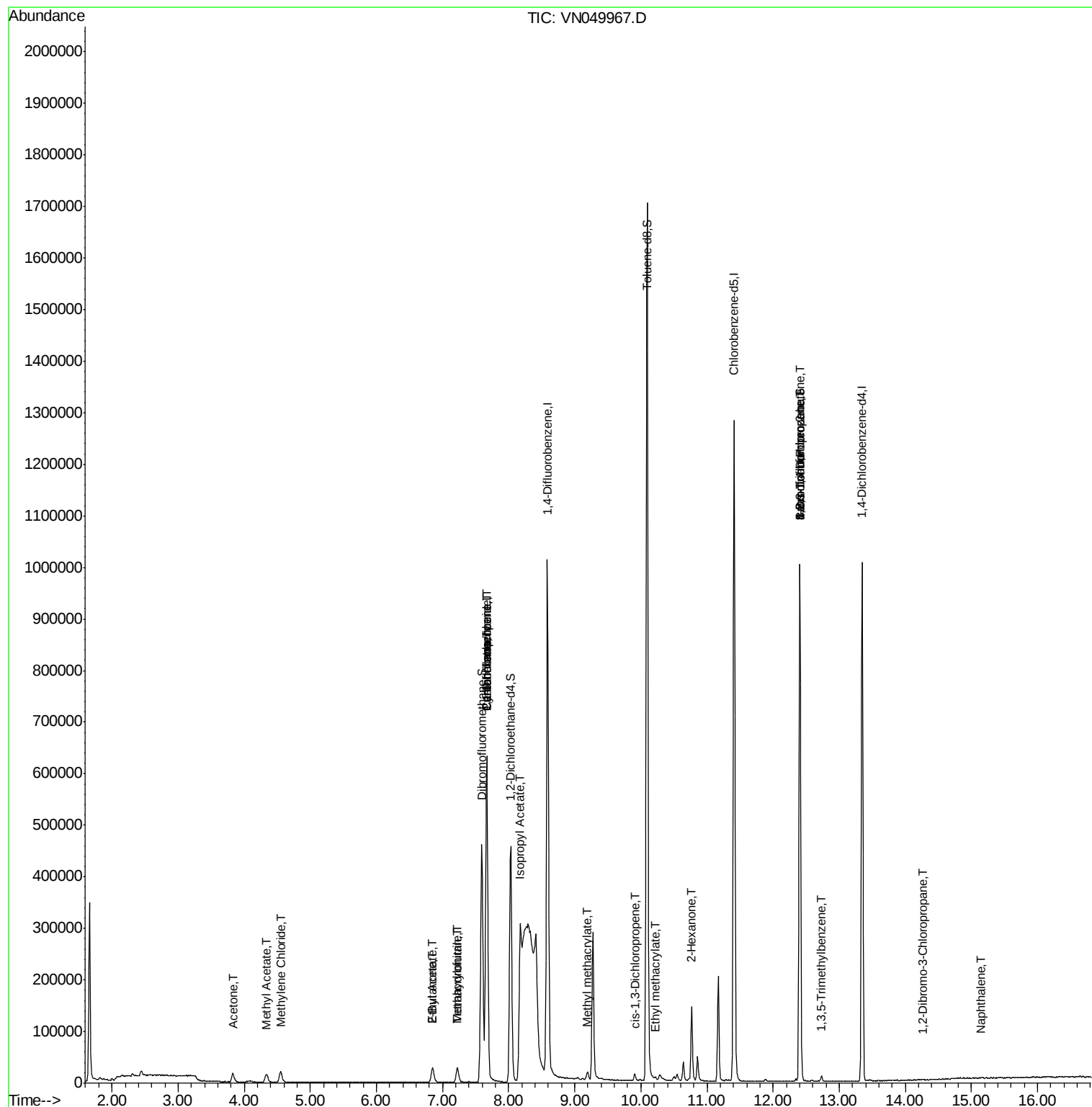
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	530	Below Cal		87
16) Acetone	3.83	43	27176	14.25	ug/l	98
18) Methyl Acetate	4.34	43	30198	4.28	ug/l	98
20) Methylene Chloride	4.55	84	15311	2.11	ug/l	97
25) 2-Butanone	6.85	43	41594	15.26	ug/l	94
29) Tetrahydrofuran	7.22	42	21796	12.69	ug/l	95
31) Cyclohexane	7.67	56	10543	1.07	ug/l #	6
36) 1,1-Dichloropropene	7.67	75	38794	3.78	ug/l #	48
37) Ethyl Acetate	6.85	43	41594	5.90	ug/l #	68
38) Carbon Tetrachloride	7.67	117	50103	4.55	ug/l #	16
41) Methacrylonitrile	7.22	41	14024	3.97	ug/l #	45
43) Isopropyl Acetate	8.17	43	363261	29.48	ug/l #	89
48) Methyl methacrylate	9.18	41	8111	1.31	ug/l #	22
54) cis-1,3-Dichloropropene	9.91	75	2449	0.21	ug/l #	70
56) Ethyl methacrylate	10.23	69	2876	2.42	ug/l #	92
59) 2-Hexanone	10.77	43	20300	4.39	ug/l #	58
71) Bromoform	12.40	173	2758	0.51	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	166755	31.05	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4688	0.27	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	166755	97.08	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	325	0.32	ug/l #	1
95) Naphthalene	15.14	128	208	4.51	ug/l #	69

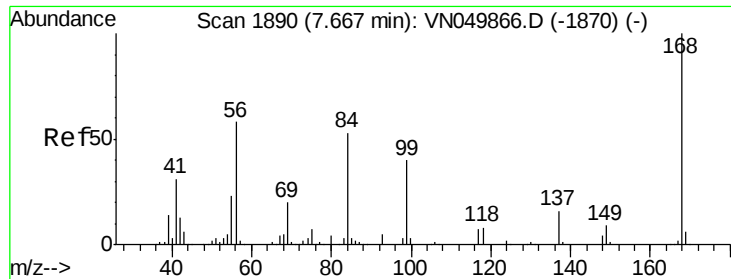
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 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: VN049967.D

Acq: 20 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

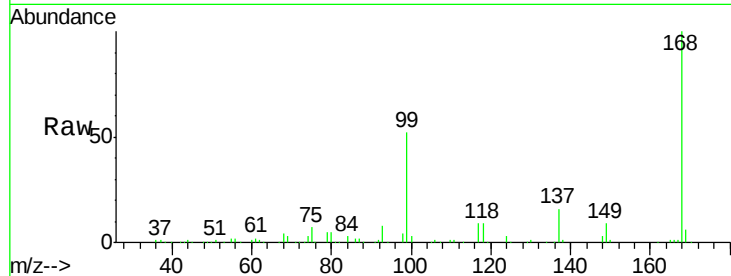
PB111289ZHE#07

Tot Ion:168 Resp: 535955

Ion Ratio Lower Upper

168 100

99 51.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

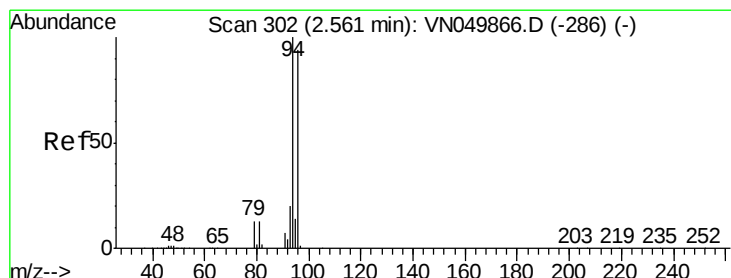
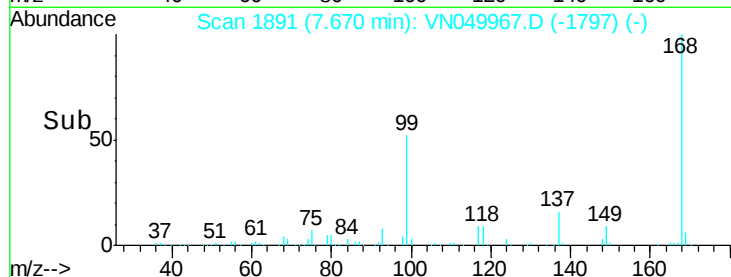
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049967.D

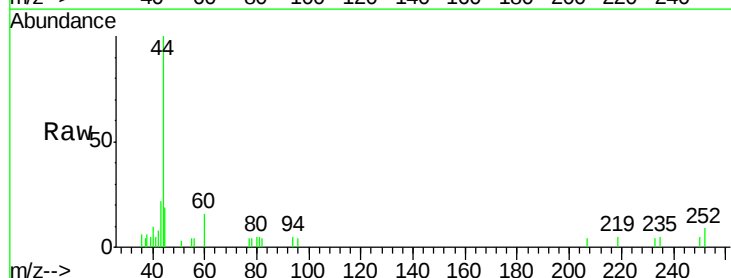
Acq: 20 Jul 2018 17:13

Tgt Ion: 94 Resp: 530

Ion Ratio Lower Upper

94 100

96 82.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

400

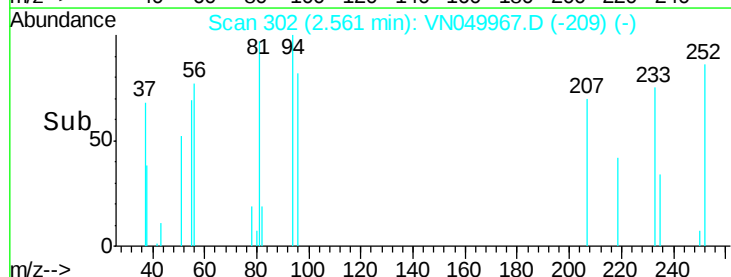
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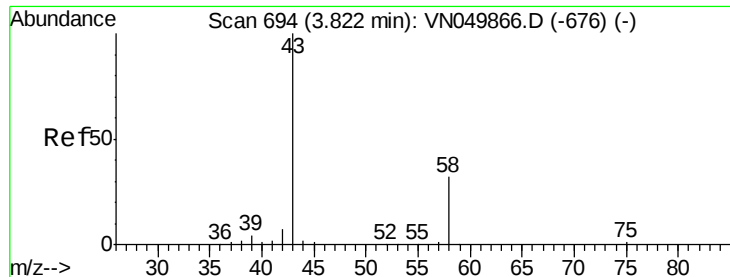
200

100

0

Time-->





#16

Acetone

Concen: 14.25 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

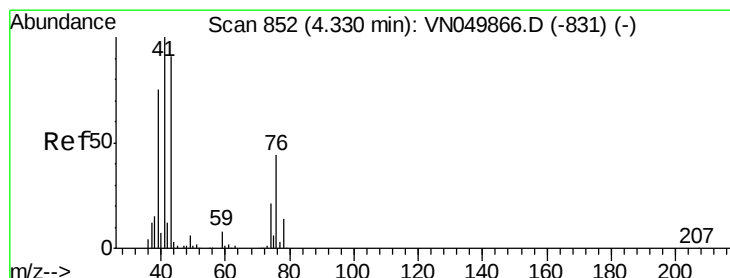
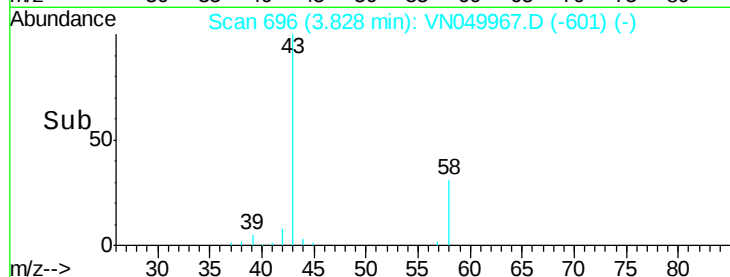
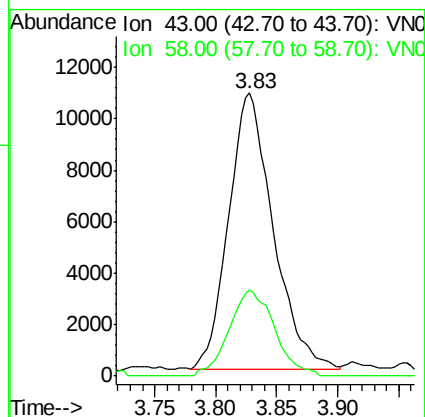
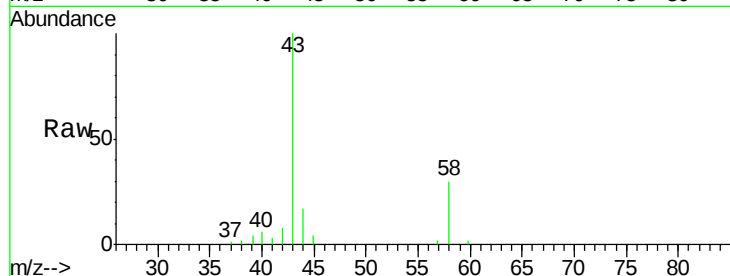
PB111289ZHE#07

Tot Ion: 43 Resp: 27176

Ion Ratio Lower Upper

43 100

58 31.2 25.9 38.9



#18

Methyl Acetate

Concen: 4.28 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049967.D

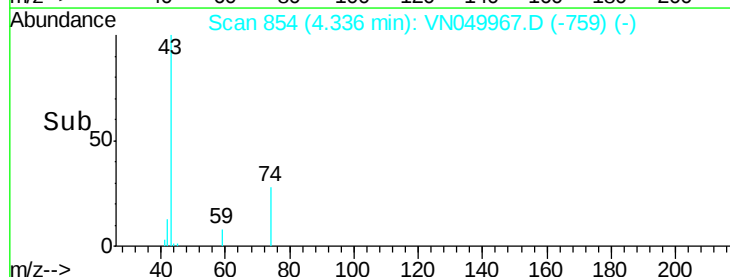
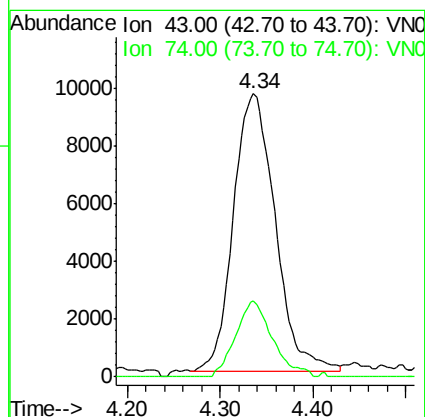
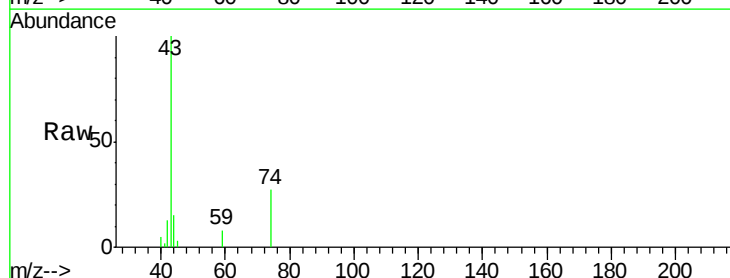
Acq: 20 Jul 2018 17:13

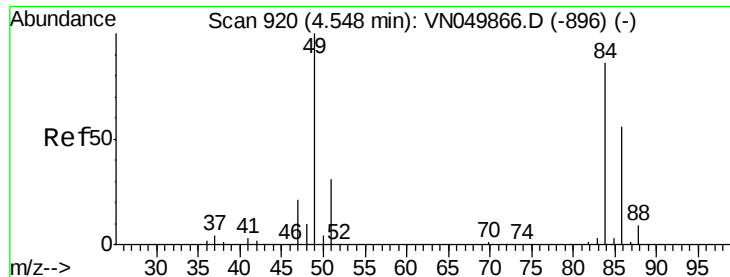
Tgt Ion: 43 Resp: 30198

Ion Ratio Lower Upper

43 100

74 24.0 19.8 29.8

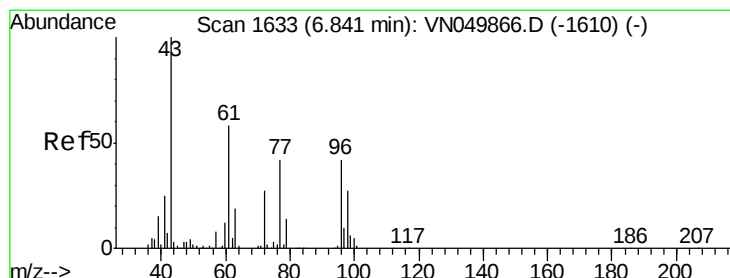
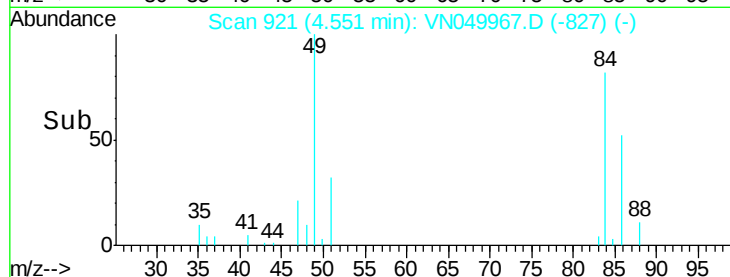
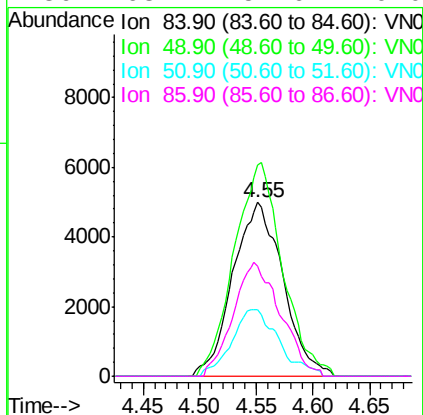
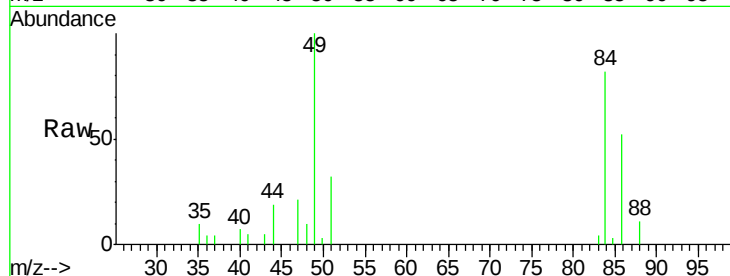




#20
Methvlene Chloride
Concen: 2.11 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

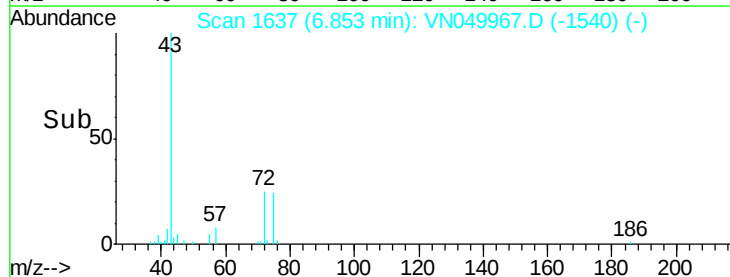
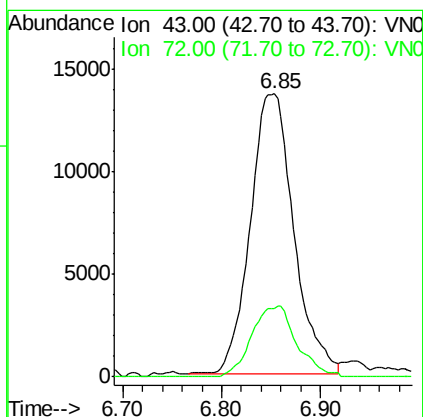
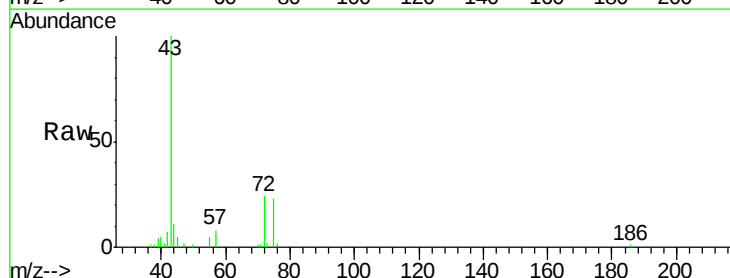
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#07

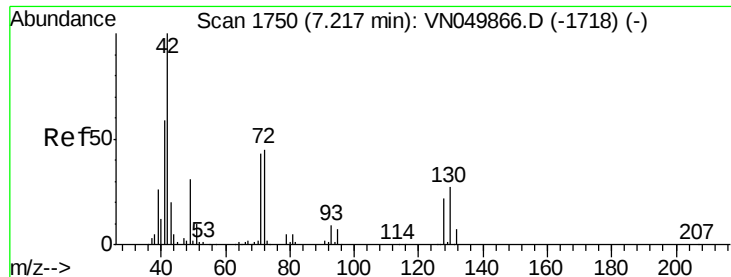
Tot Ion: 84 Resp: 15311
Ion Ratio Lower Upper
84 100
49 121.8 95.4 143.2
51 38.4 28.4 42.6
86 63.7 52.6 79.0



#25
2-Butanone
Concen: 15.26 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Tgt Ion: 43 Resp: 41594
Ion Ratio Lower Upper
43 100
72 24.6 22.1 33.1

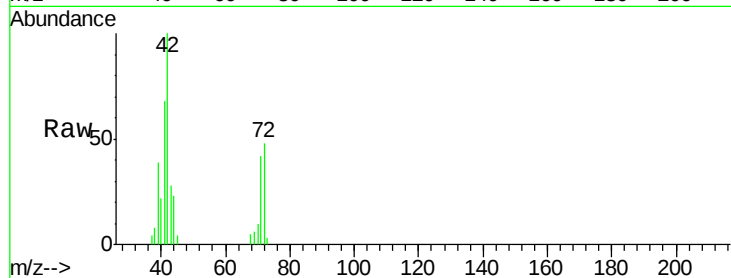




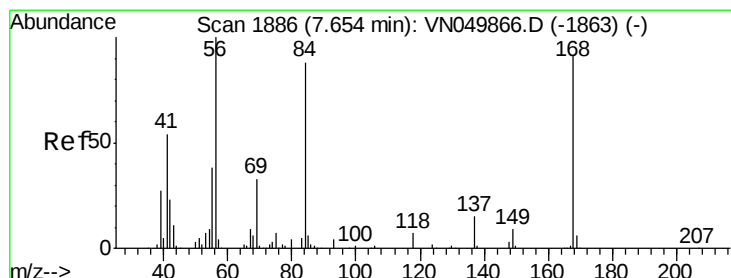
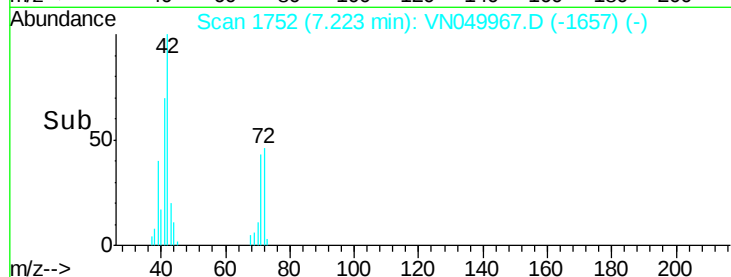
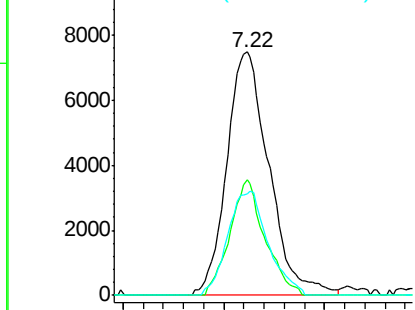
#29
Tetrahydrofuran
Concen: 12.69 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#07

Tot Ion: 42 Resp: 21796
Ion Ratio Lower Upper
42 100
72 39.4 35.6 53.4
71 40.8 34.0 51.0

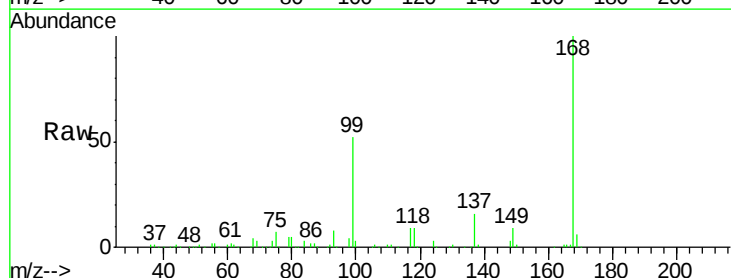


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

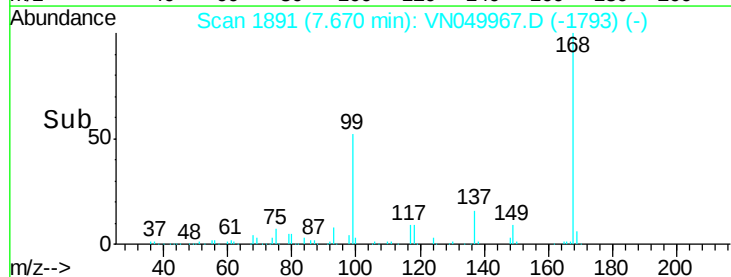
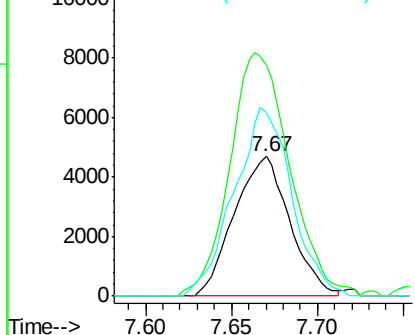


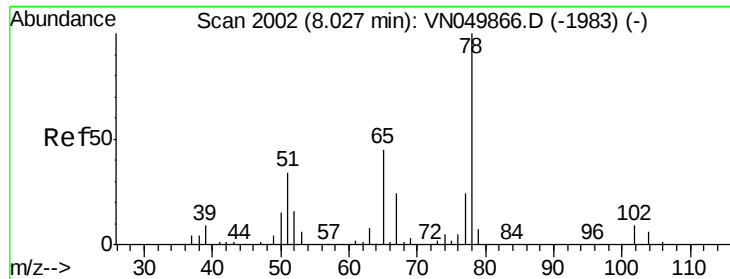
#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Tgt Ion: 56 Resp: 10543
Ion Ratio Lower Upper
56 100
69 160.0 26.6 40.0#
84 127.3 69.0 103.6#



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

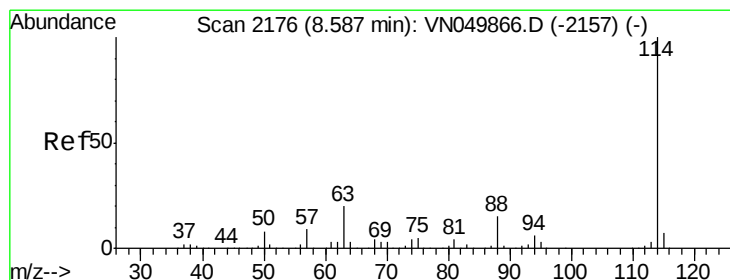
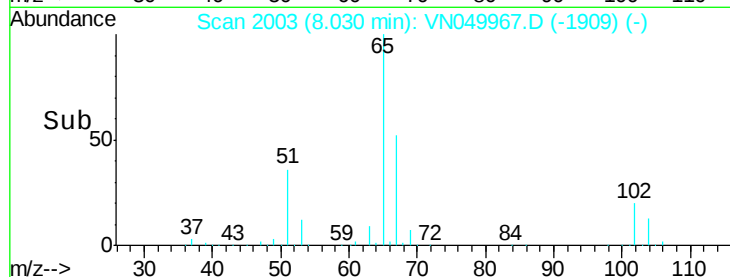
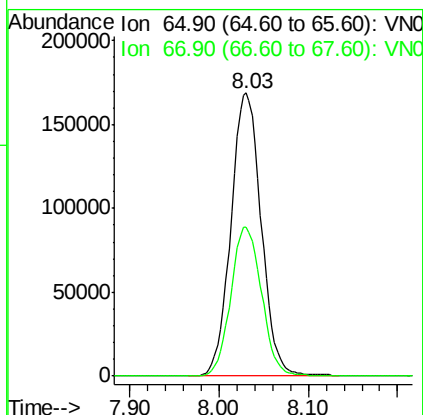
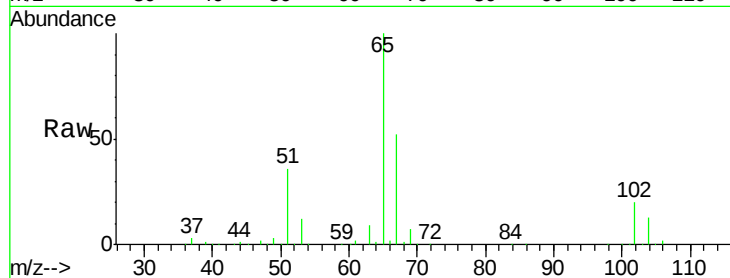




#33
 1,2-Dichloroethane-d4
 Concen: 54.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049967.D
 Acq: 20 Jul 2018 17:13

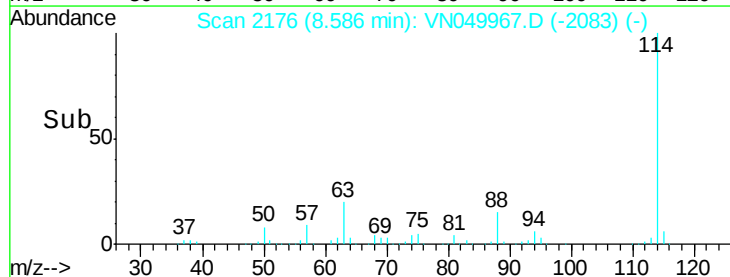
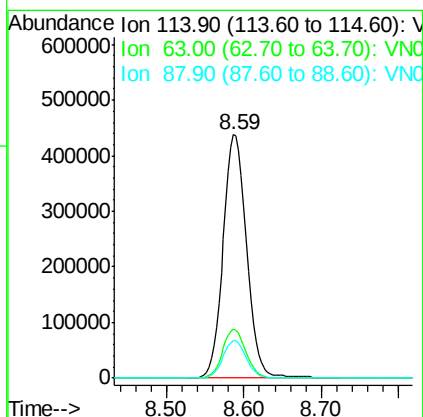
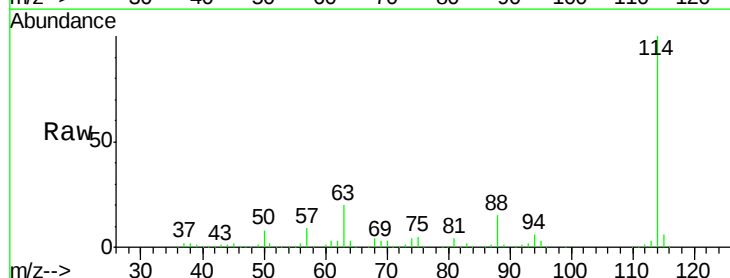
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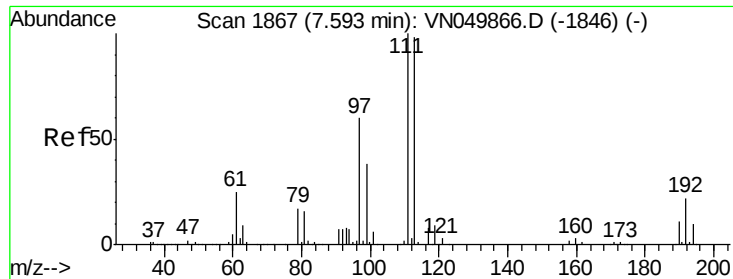
Tot Ion: 65 Resp: 397878
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049967.D
 Acq: 20 Jul 2018 17:13

Tgt Ion: 114 Resp: 923810
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.3 0.0 30.6

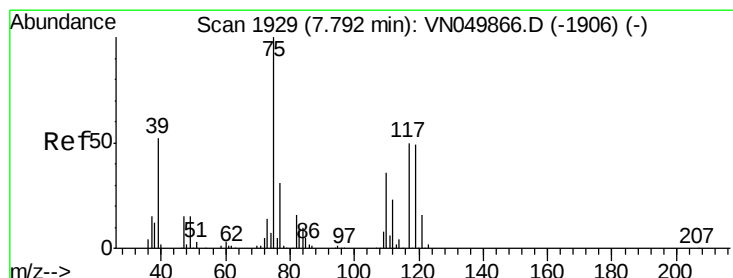
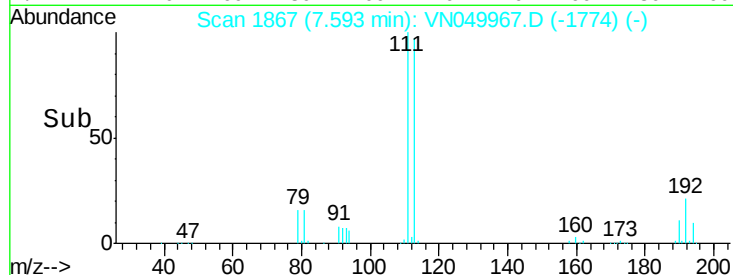
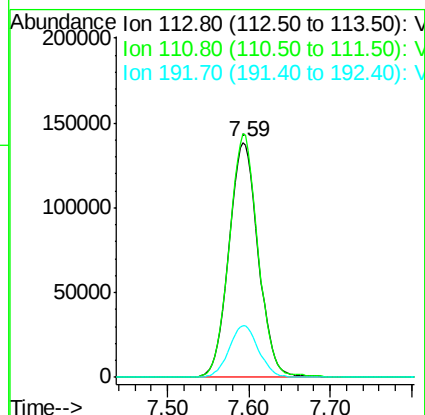
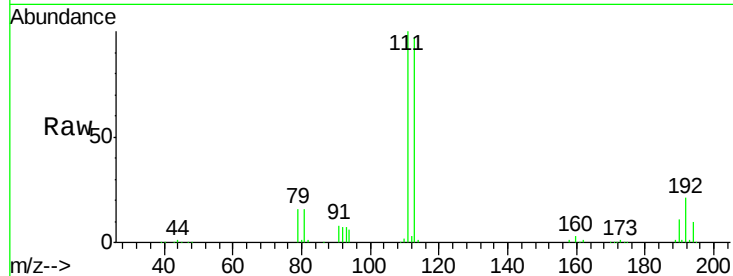




#35
 Dibromofluoromethane
 Concen: 45.07 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049967.D
 Acq: 20 Jul 2018 17:13

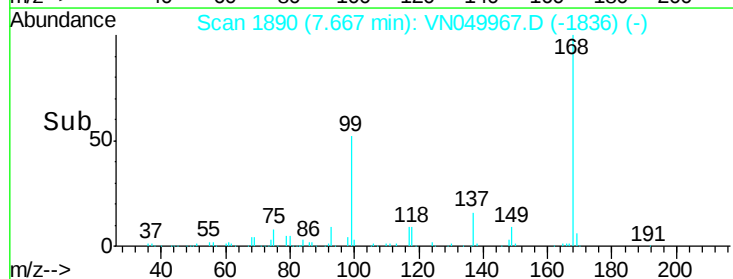
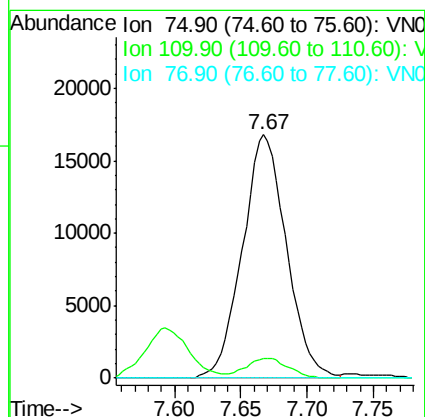
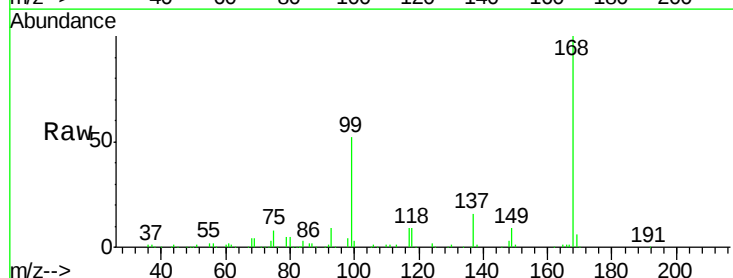
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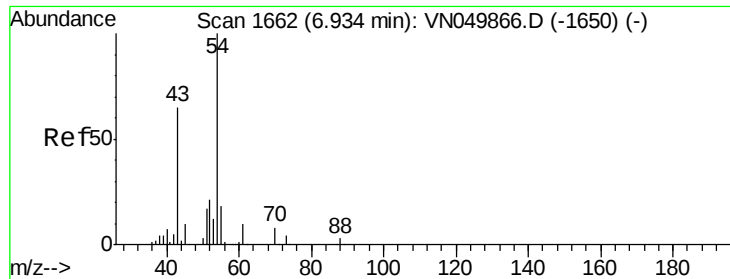
Tot Ion:113 Resp: 349538
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049967.D
 Acq: 20 Jul 2018 17:13

Tgt Ion: 75 Resp: 38794
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.1 54.4#
 77 0.0 24.9 37.3#

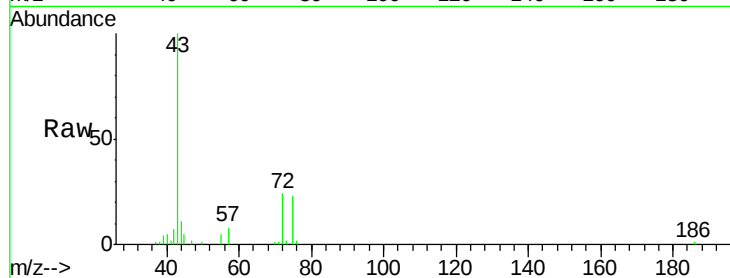




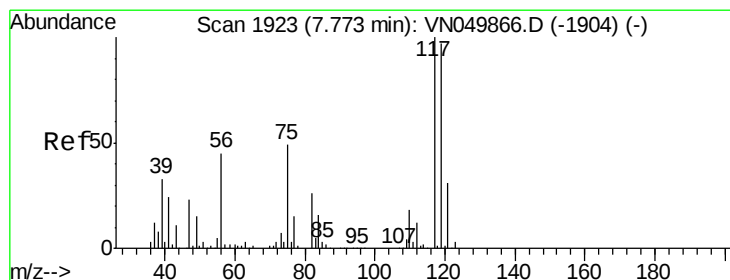
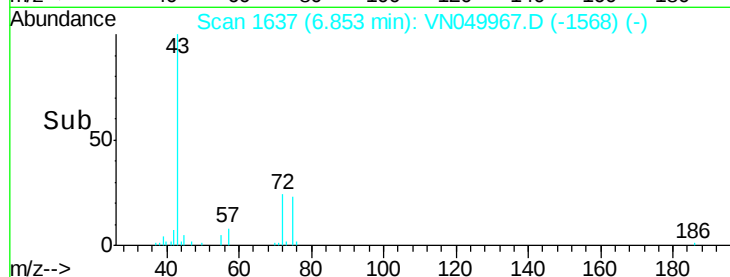
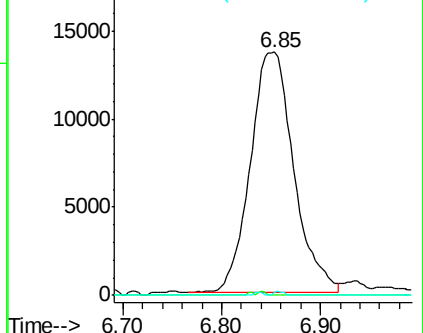
#37
Ethyl Acetate
Concen: 5.90 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. -0.08 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#07

Tot Ion: 43 Resp: 41594
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.3 8.4 12.6#

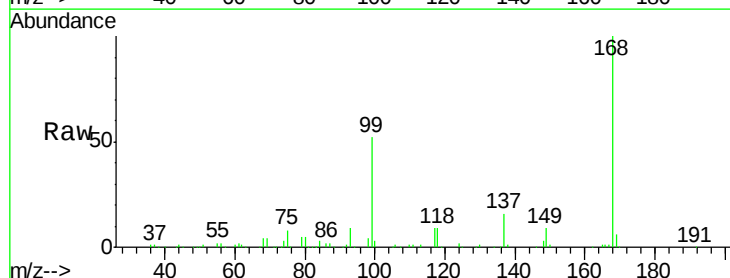


Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-1650) (-)
Ion 60.90 (60.60 to 61.60): VN049866.D (-1650) (-)
Ion 70.00 (69.70 to 70.70): VN049866.D (-1650) (-)

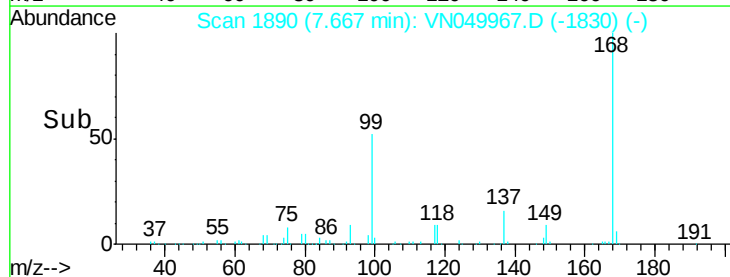
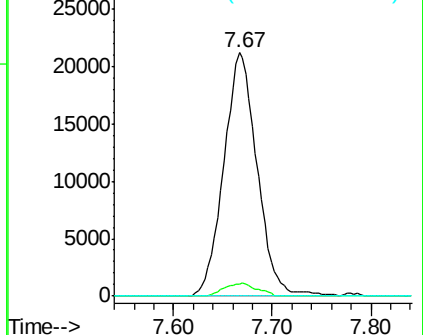


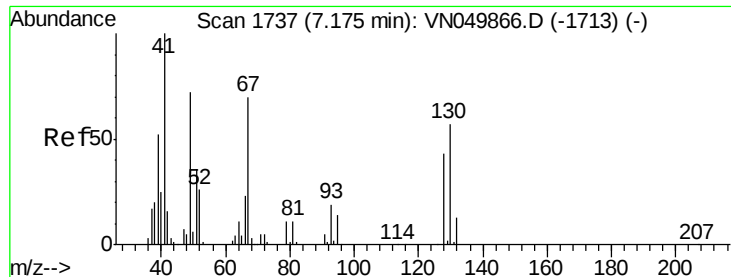
#38
Carbon Tetrachloride
Concen: 4.55 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Tgt Ion: 117 Resp: 50103
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): VN049866.D (-1904) (-)
Ion 118.80 (118.50 to 119.50): VN049866.D (-1904) (-)
Ion 120.80 (120.50 to 121.50): VN049866.D (-1904) (-)

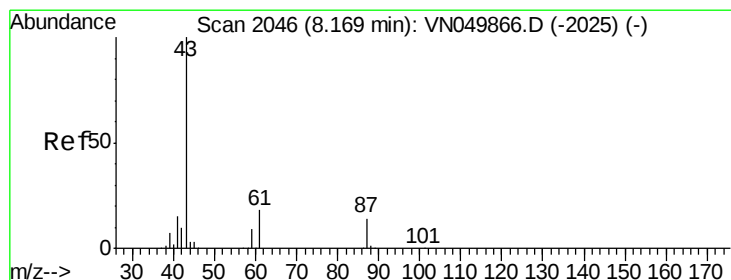
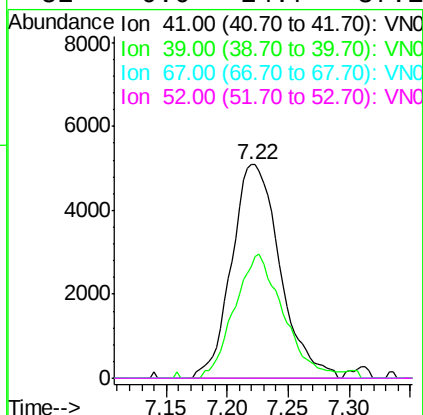
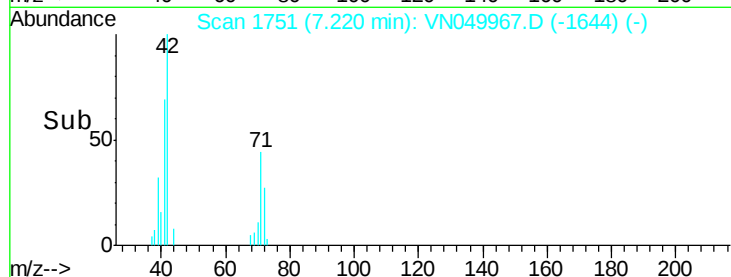
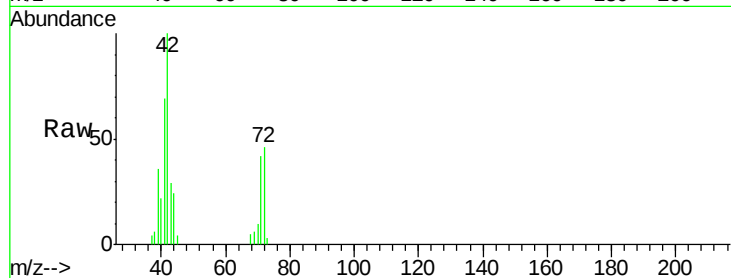




#41
Methacrylonitrile
Concen: 3.97 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

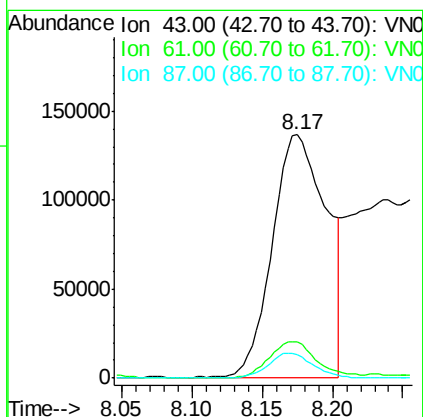
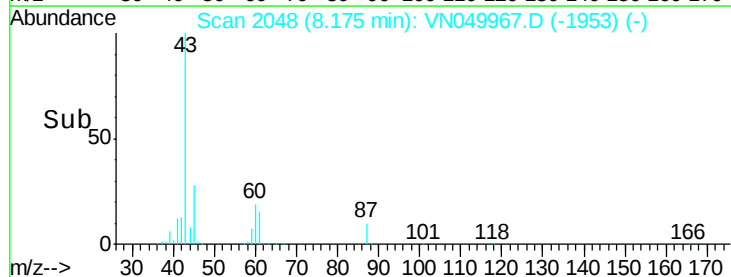
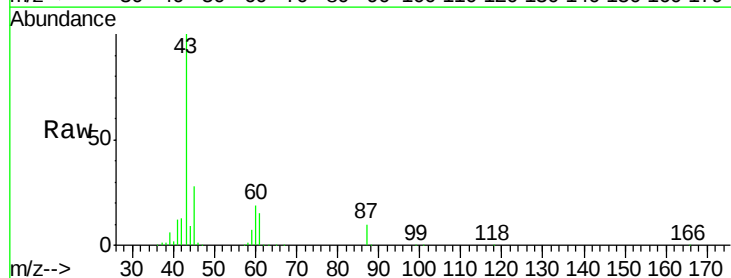
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#07

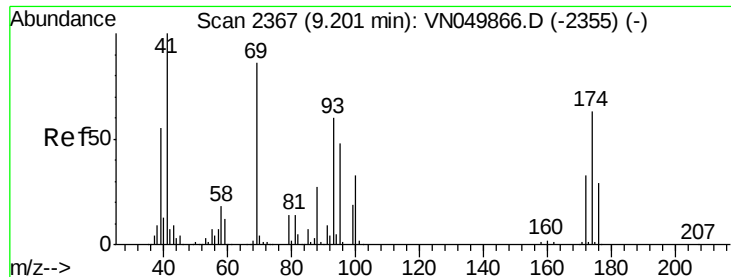
Tot Ion	Ratio	Lower	Upper
41	100		
39	58.6	45.4	68.2
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#



#43
Isopropyl Acetate
Concen: 29.48 ug/l
RT: 8.17 min Scan# 2048
Delta R.T. 0.01 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	14.9	22.3#
87	8.5	10.0	15.0#

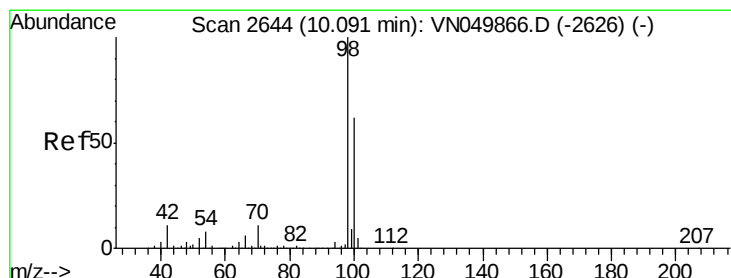
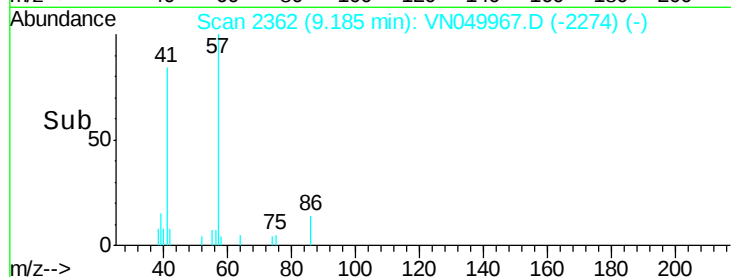
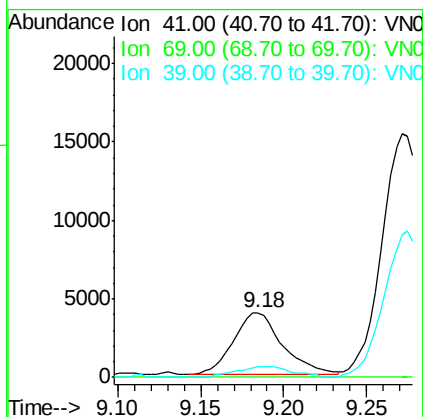
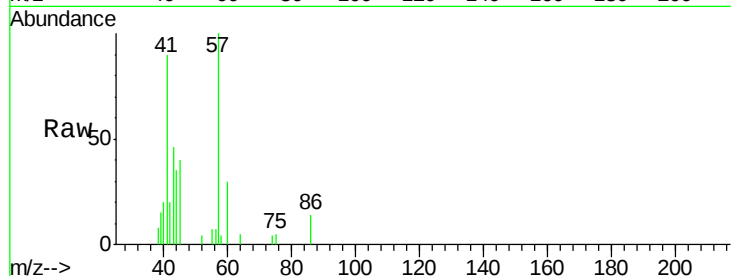




#48
Methvl methacrylate
Concen: 1.31 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

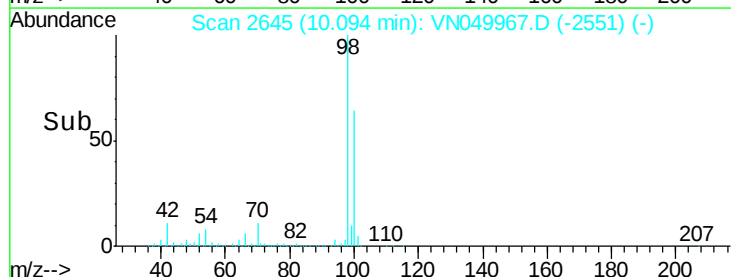
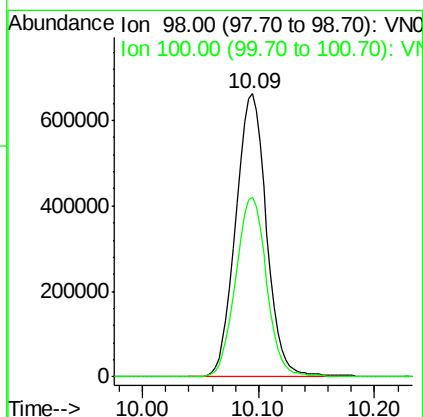
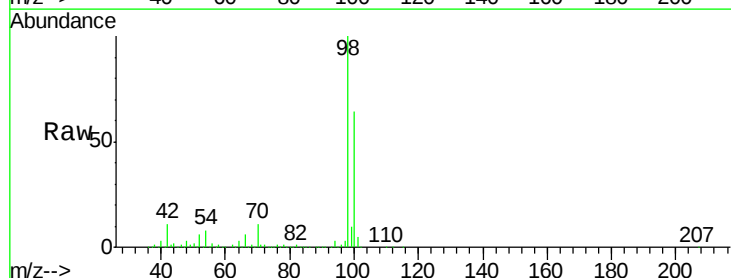
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#07

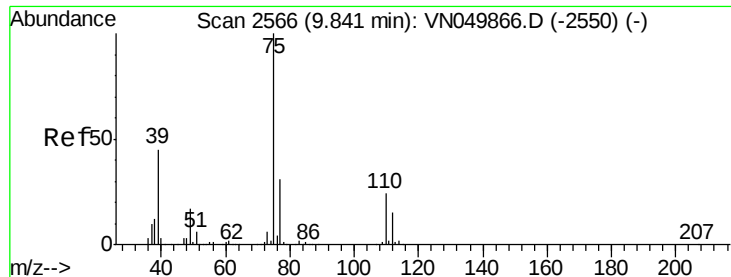
Tot Ion: 41 Resp: 8111
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 20.0 44.7 67.1#



#50
Toluene-d8
Concen: 43.20 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Tgt Ion: 98 Resp: 1220668
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5





#54

cis-1,3-Dichloropropene

Concen: 0.21 ug/l

RT: 9.91 min Scan# 2587

Delta R.T. 0.07 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#07

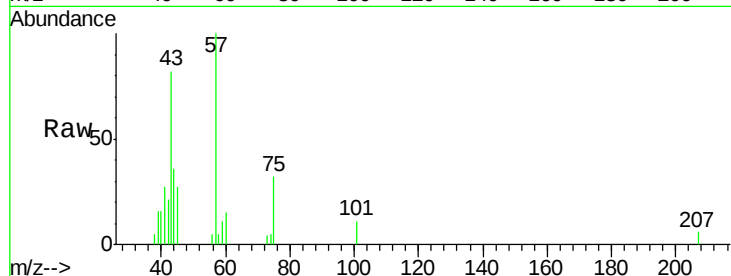
Tot Ion: 75 Resp: 2449

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

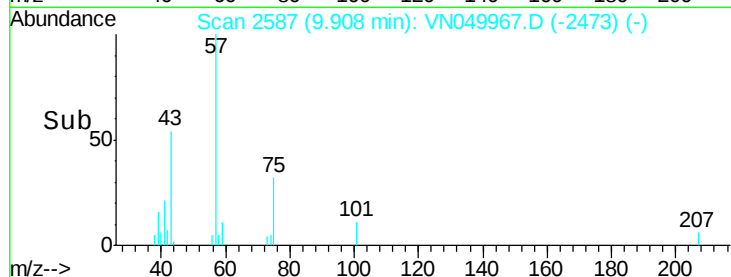
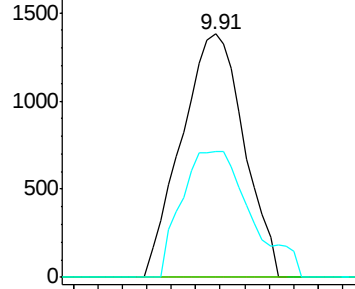
39 51.6 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.42 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

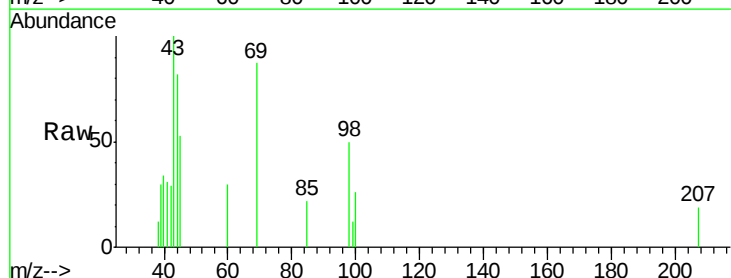
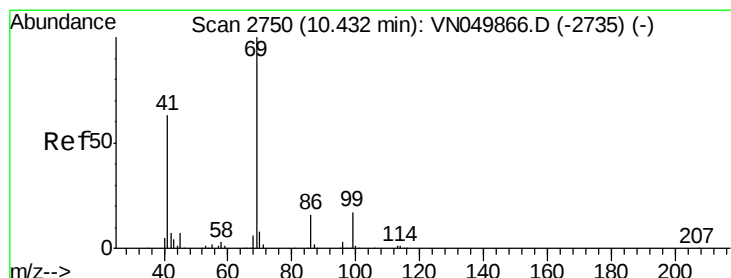
Tgt Ion: 69 Resp: 2876

Ion Ratio Lower Upper

69 100

41 61.8 51.6 77.4

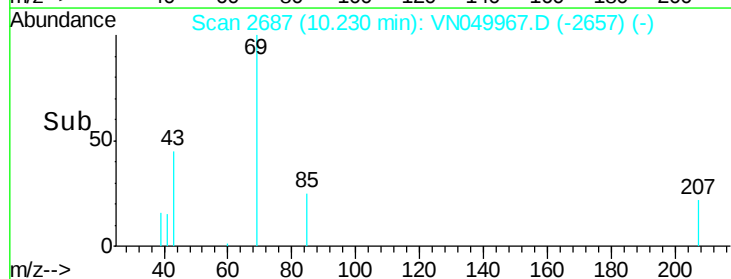
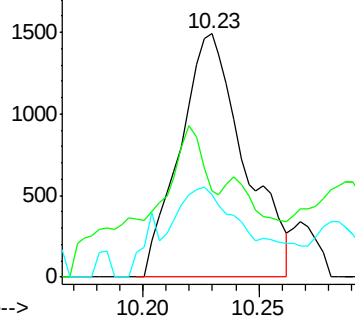
39 41.7 25.8 38.8#

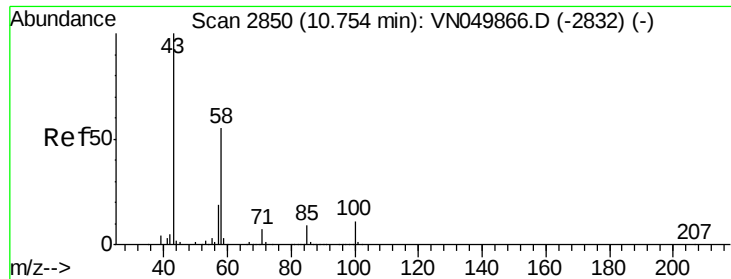


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 4.39 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

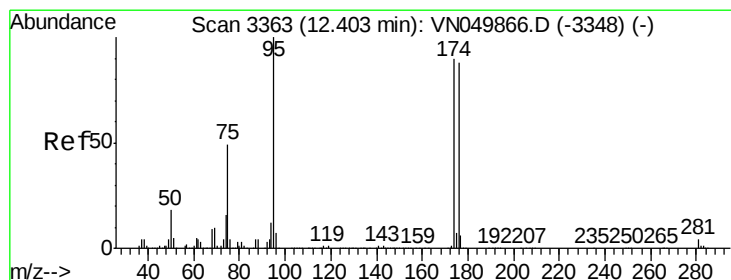
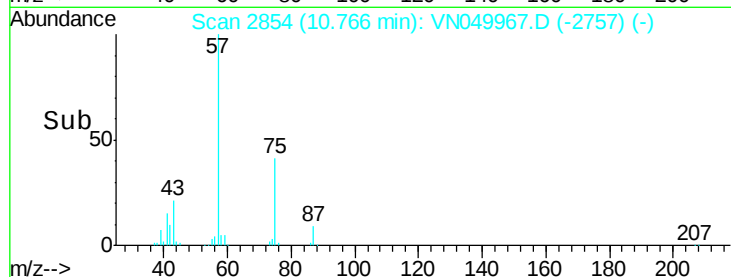
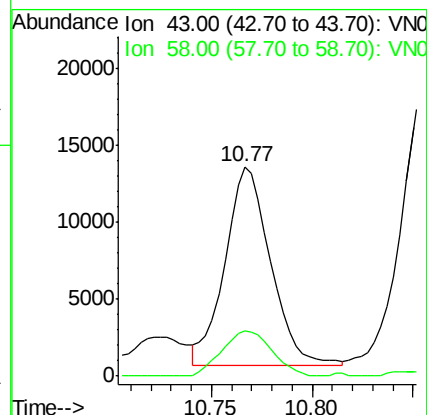
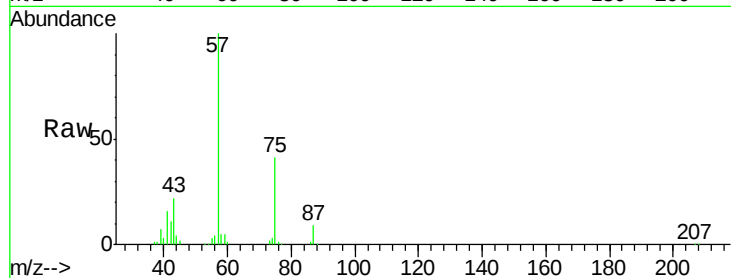
PB111289ZHE#07

Tot Ion: 43 Resp: 20300

Ion Ratio Lower Upper

43 100

58 25.0 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.98 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

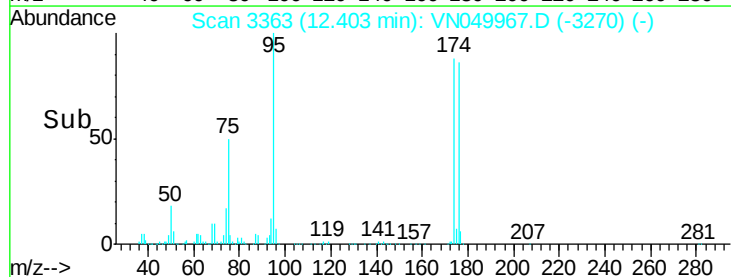
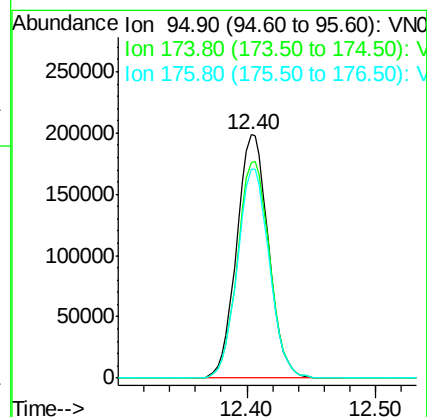
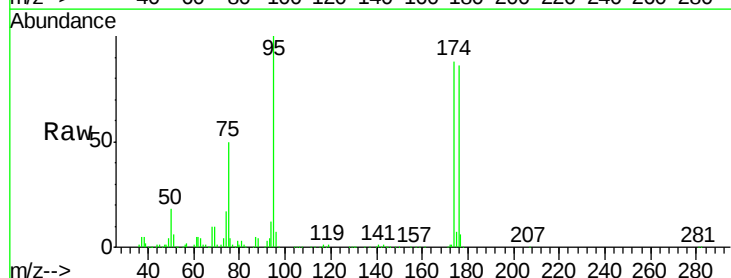
Tgt Ion: 95 Resp: 340393

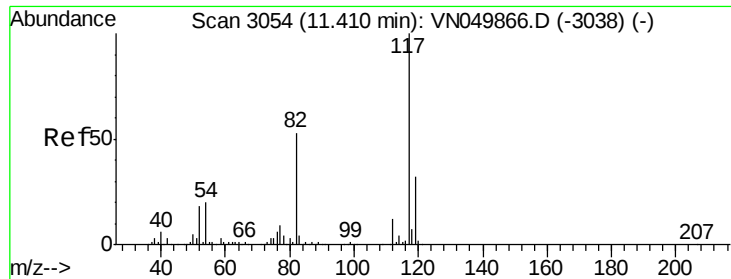
Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.6

176 86.3 0.0 174.0

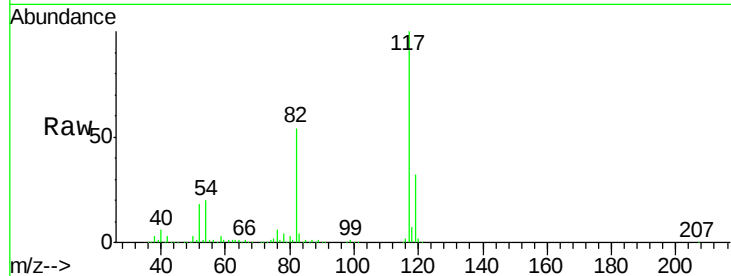




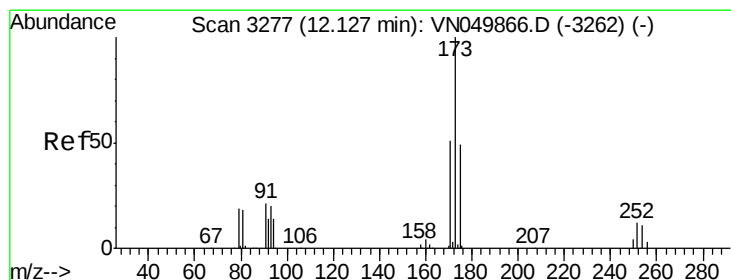
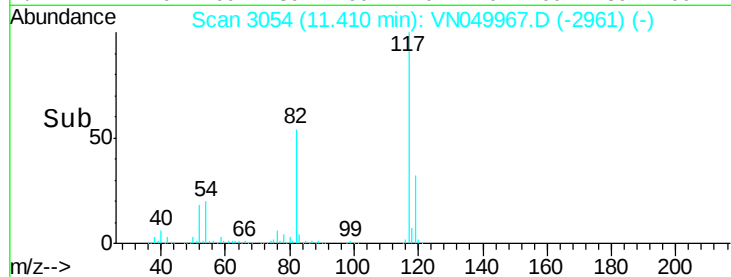
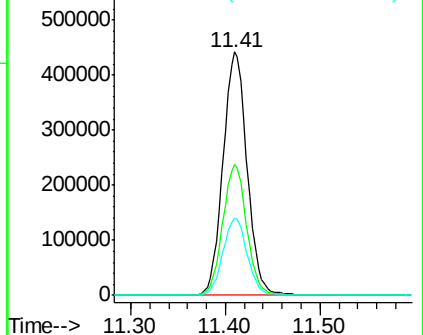
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#07

Tot Ion:117 Resp: 780709
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 31.8 25.4 38.2

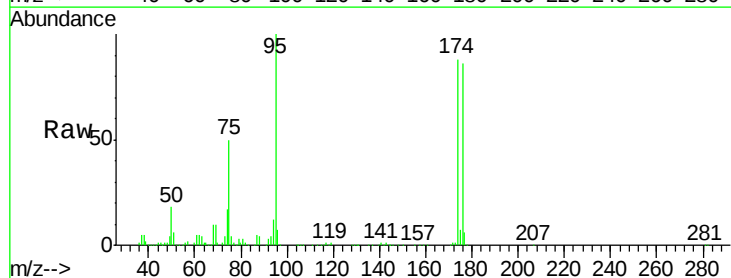


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

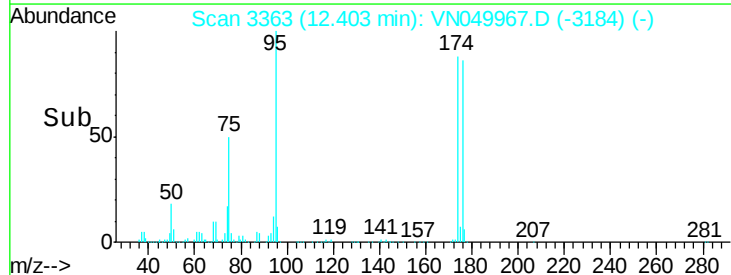
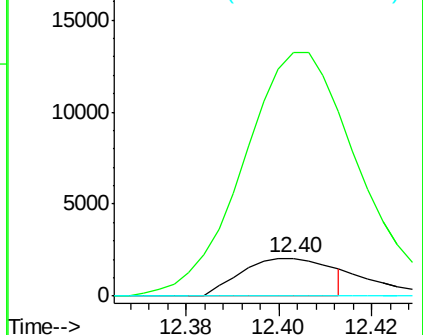


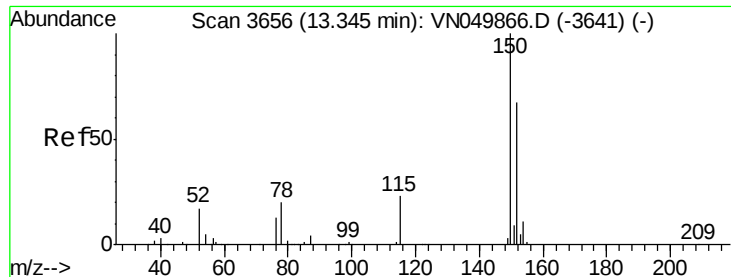
#71
Bromoform
Concen: 0.51 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049967.D
Acq: 20 Jul 2018 17:13

Tgt Ion:173 Resp: 2758
Ion Ratio Lower Upper
173 100
175 654.4 24.6 73.8#
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: VN049967.D

Acq: 20 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#07

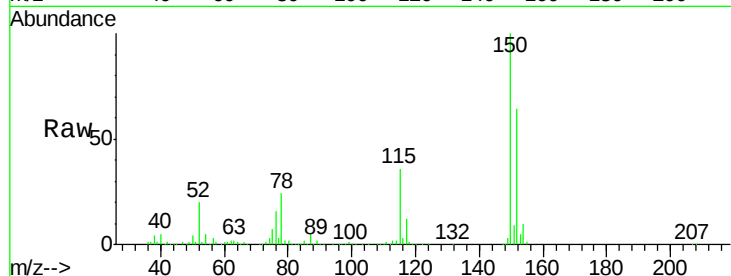
Tot Ion:152 Resp: 286330

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.2

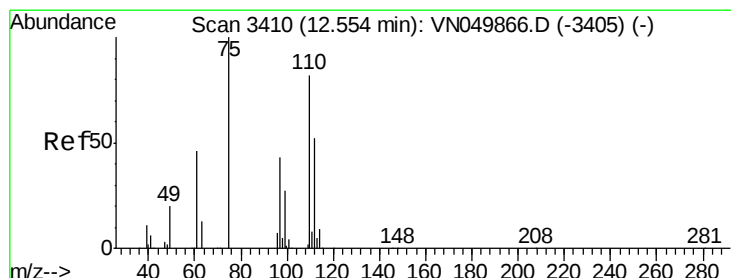
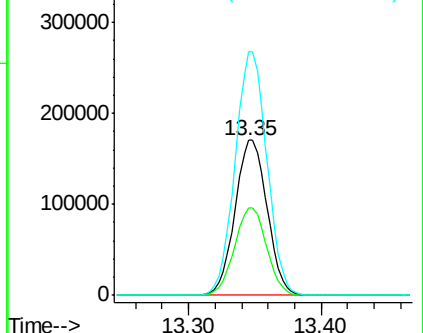
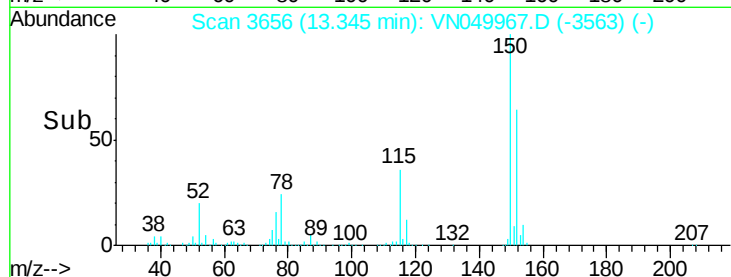
150 156.0 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 31.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049967.D

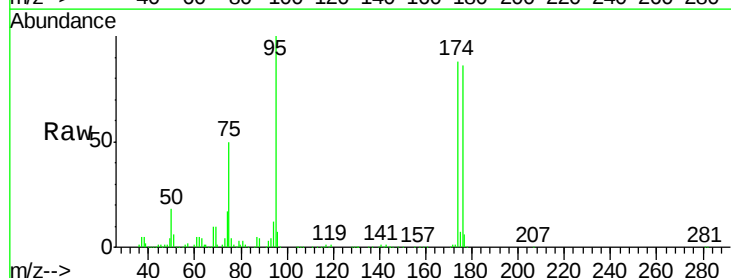
Acq: 20 Jul 2018 17:13

Tgt Ion: 75 Resp: 166755

Ion Ratio Lower Upper

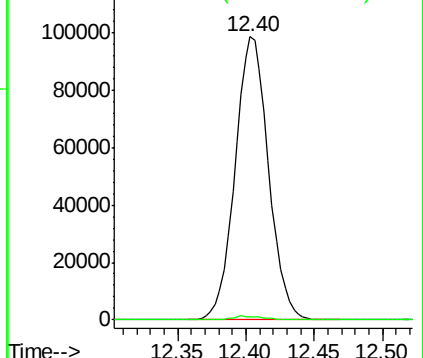
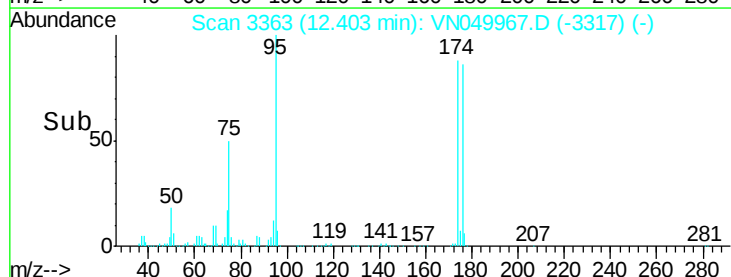
75 100

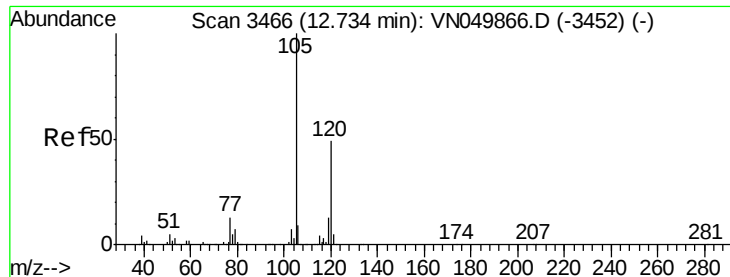
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.27 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

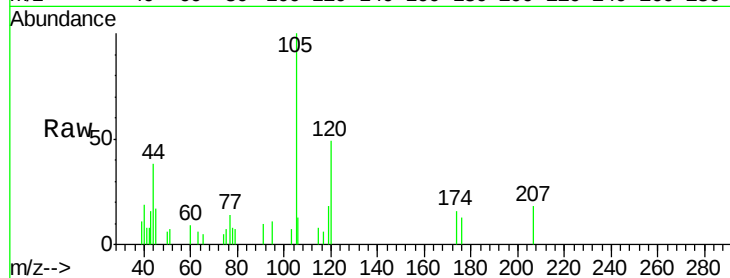
PB111289ZHE#07

Tot Ion:105 Resp: 4688

Ion Ratio Lower Upper

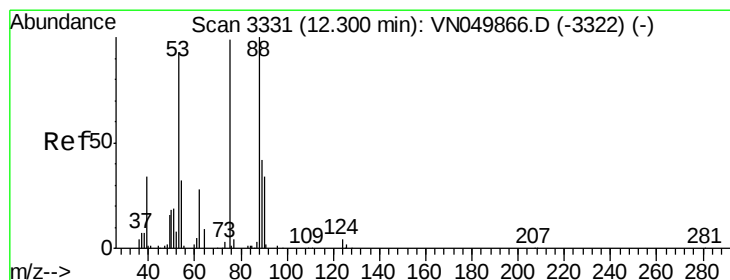
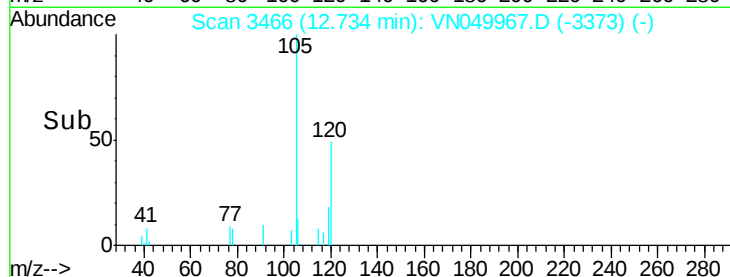
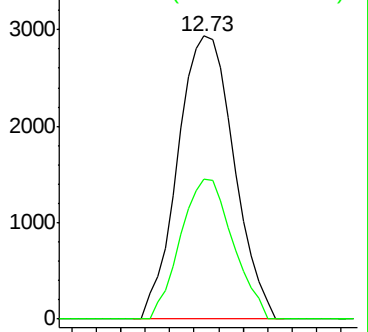
105 100

120 46.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 97.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

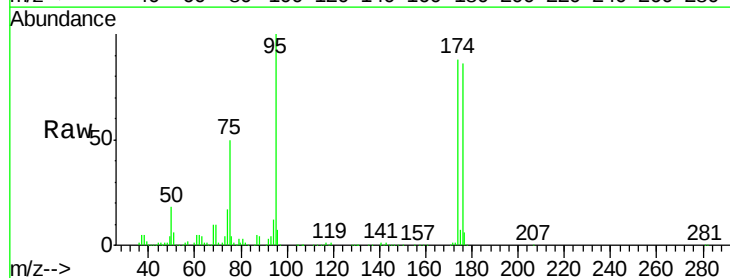
Tgt Ion: 75 Resp: 166755

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

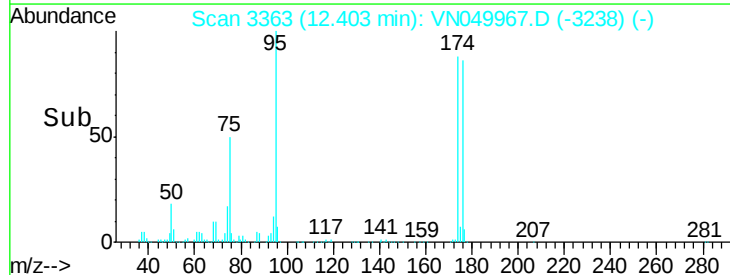
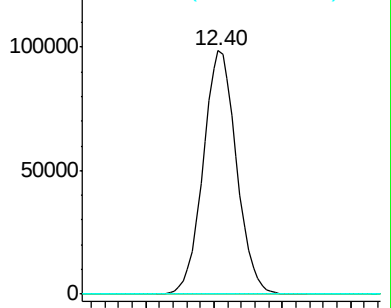
89 0.0 35.9 53.9#

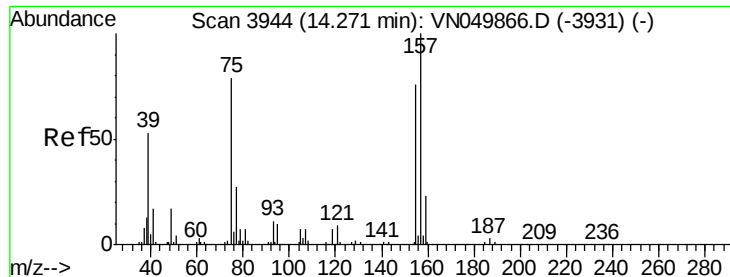


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.32 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#07

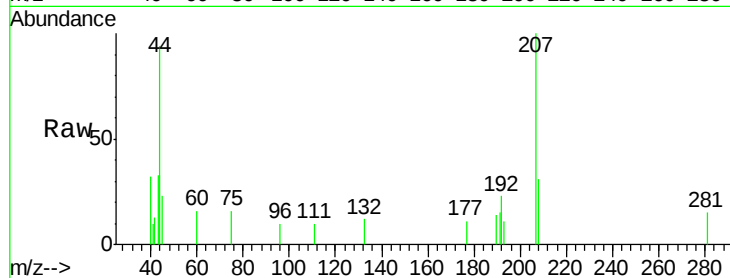
Tot Ion: 75 Resp: 325

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

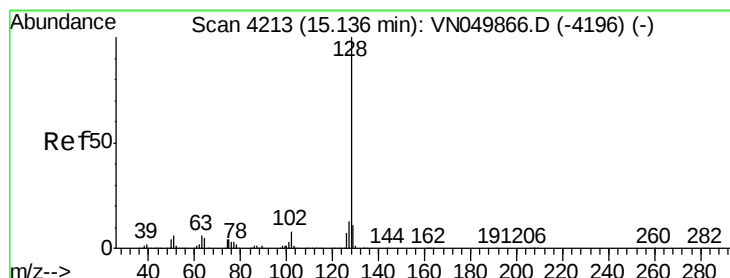
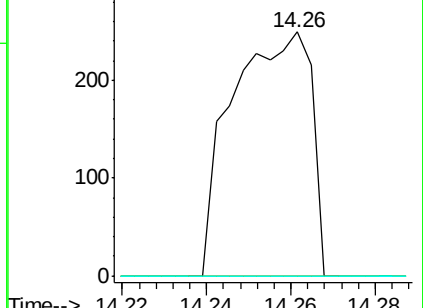
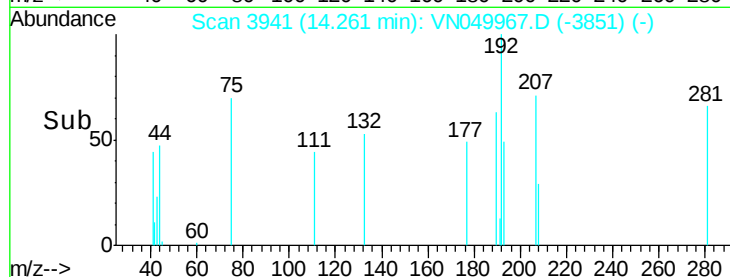
157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049967.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049967.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049967.D (-3851) (-)



#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN049967.D

Acq: 20 Jul 2018 17:13

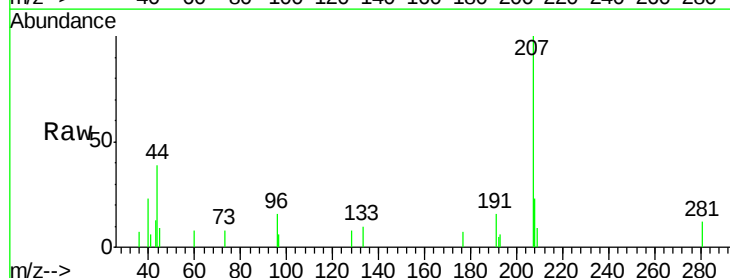
Tgt Ion: 128 Resp: 208

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN049967.D (-4120) (-)

Ion 127.00 (126.70 to 127.70): VN049967.D (-4120) (-)

Ion 129.00 (128.70 to 129.70): VN049967.D (-4120) (-)

