

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049969.D
 Acq On : 20 Jul 2018 18:05
 Operator : MD\SY
 Sample : PB111289ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#09

Quant Time: Jul 20 23:48:57 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	546353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	938165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	772653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	402023	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	7.59	113	352814	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
50) Toluene-d8	10.09	98	1239673	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	
62) 4-Bromofluorobenzene	12.40	95	328434	33.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.46%	

Target Compounds

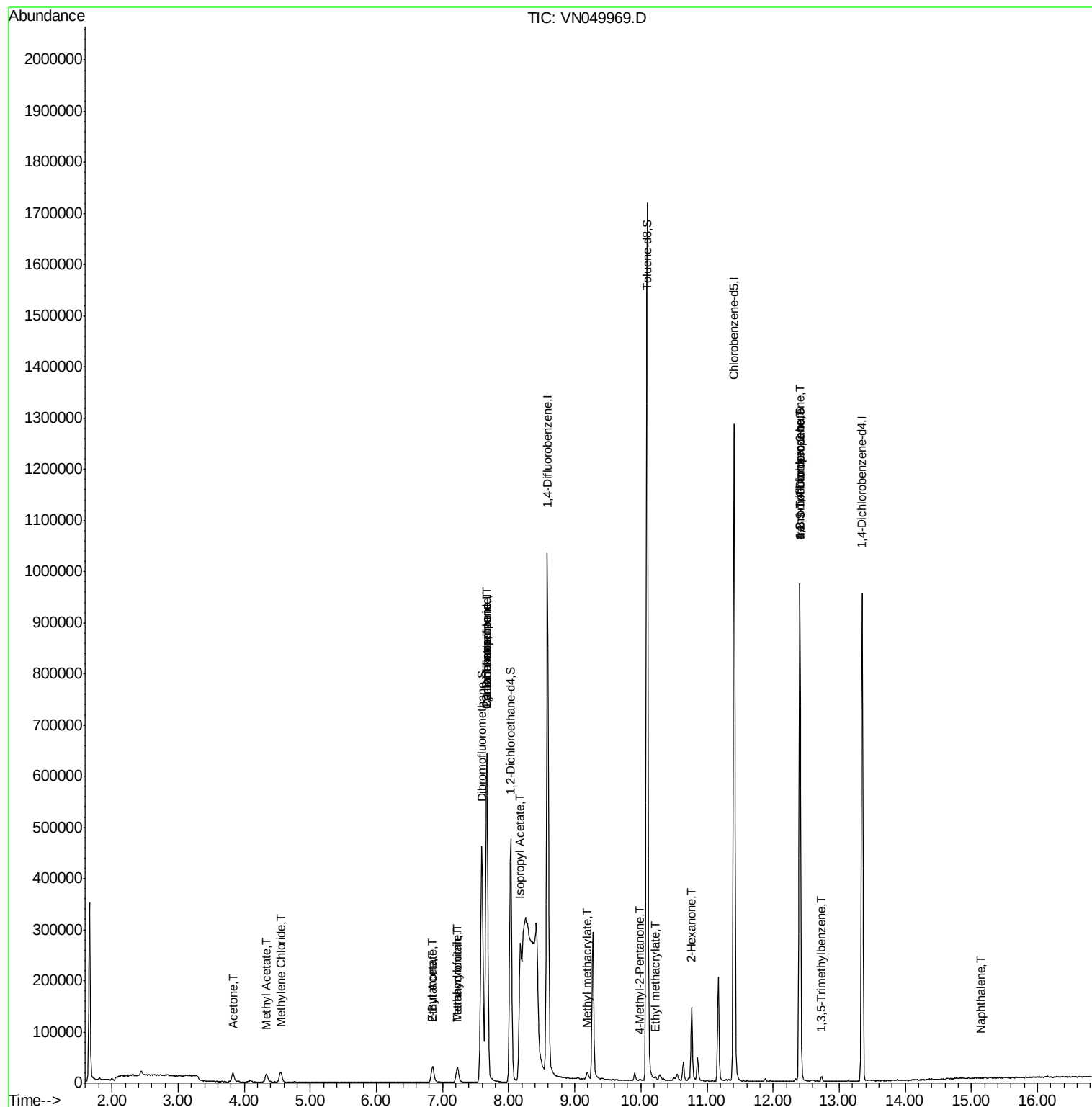
						Qvalue
5) Bromomethane	2.57	94	343	Below Cal	#	2
16) Acetone	3.83	43	28603	14.71	ug/l	90
18) Methyl Acetate	4.34	43	28922	3.97	ug/l	100
20) Methylene Chloride	4.55	84	15359	2.08	ug/l	96
25) 2-Butanone	6.85	43	46598	16.77	ug/l	92
29) Tetrahydrofuran	7.22	42	23356	13.34	ug/l	97
31) Cyclohexane	7.66	56	10496	1.05	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	39233	3.76	ug/l	# 48
37) Ethyl Acetate	6.85	43	46598	6.51	ug/l	# 69
38) Carbon Tetrachloride	7.67	117	50146	4.49	ug/l	# 16
41) Methacrylonitrile	7.22	41	15153	4.22	ug/l	# 45
43) Isopropyl Acetate	8.17	43	317659	25.38	ug/l	# 92
48) Methyl methacrylate	9.18	41	8258	1.32	ug/l	# 21
51) 4-Methyl-2-Pentanone	9.99	43	2521	0.36	ug/l	# 66
56) Ethyl methacrylate	10.23	69	2780	2.41	ug/l	# 88
59) 2-Hexanone	10.77	43	19855	4.23	ug/l	# 59
76) 1,2,3-Trichloropropane	12.40	75	163213	32.14	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	3990	0.24	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	163213	100.50	ug/l	# 13
95) Naphthalene	15.14	128	242	4.51	ug/l	# 69

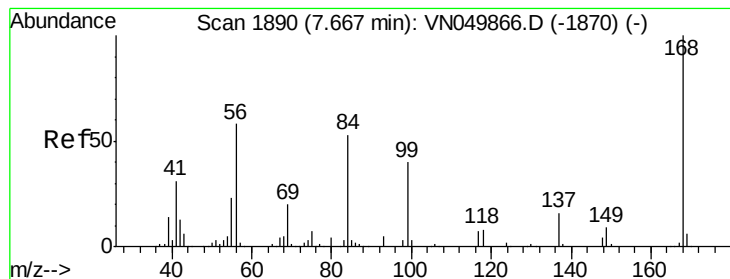
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 19 01:58:39 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: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

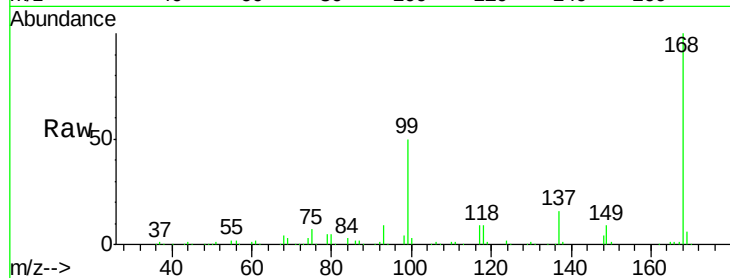
PB111289ZHE#09

Tot Ion:168 Resp: 546353

Ion Ratio Lower Upper

168 100

99 50.4 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

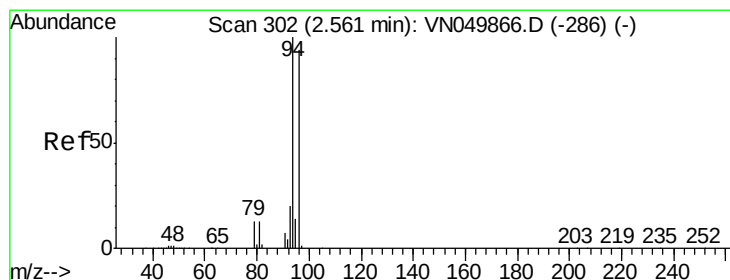
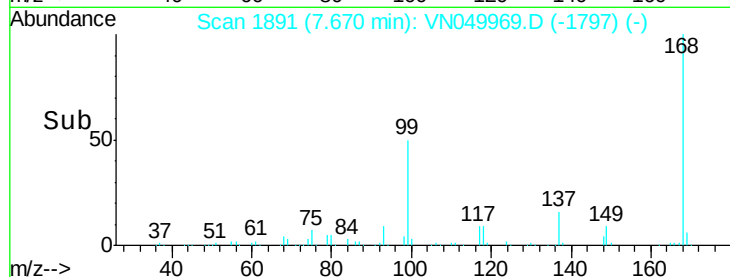
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049969.D

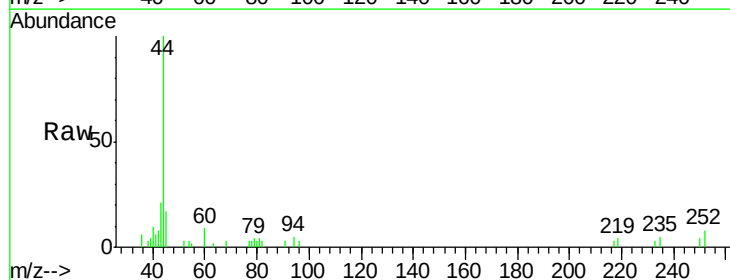
Acq: 20 Jul 2018 18:05

Tgt Ion: 94 Resp: 343

Ion Ratio Lower Upper

94 100

96 0.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

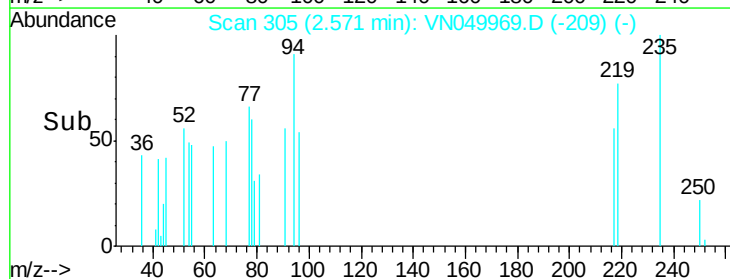
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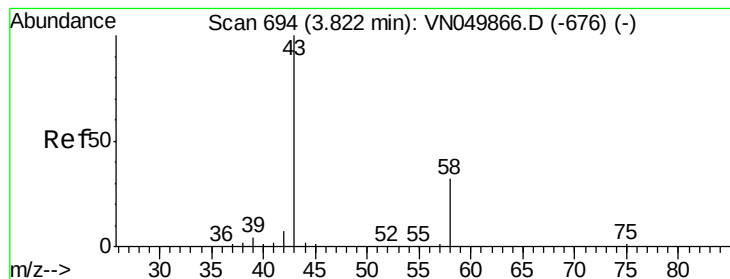
200

100

0

Time-->





#16

Acetone

Concen: 14.71 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

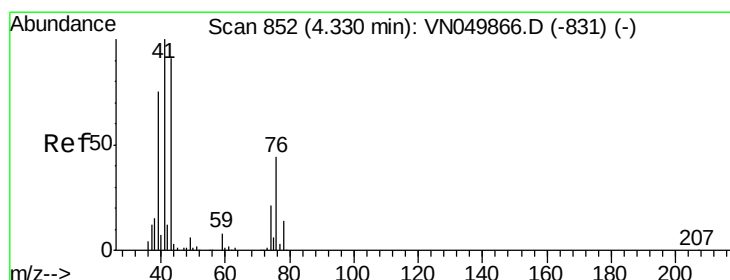
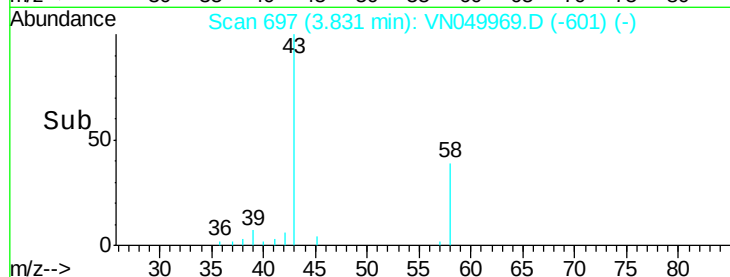
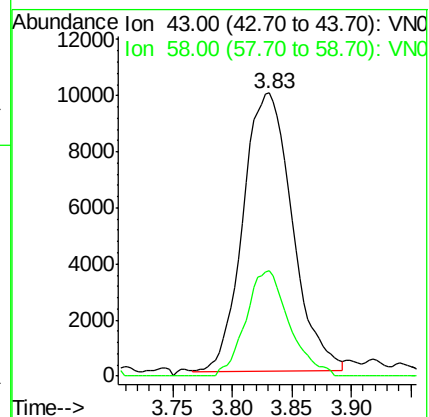
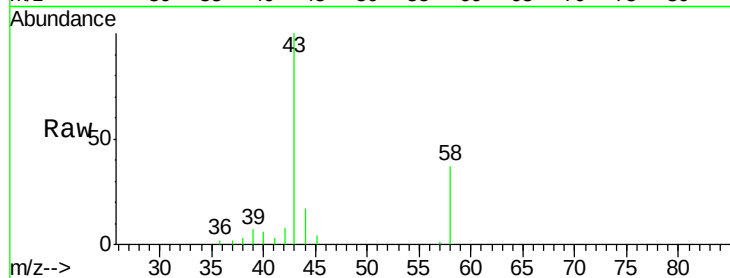
PB111289ZHE#09

Tot Ion: 43 Resp: 28603

Ion Ratio Lower Upper

43 100

58 38.1 25.9 38.9



#18

Methyl Acetate

Concen: 3.97 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049969.D

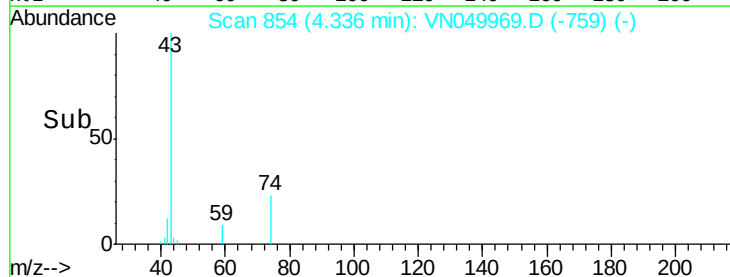
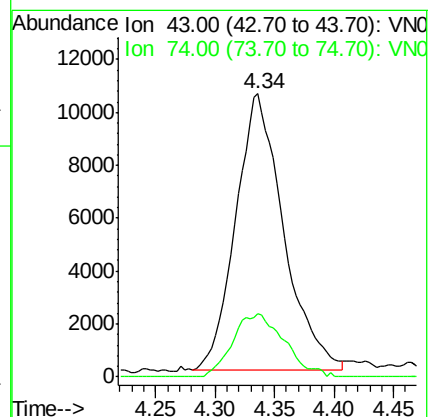
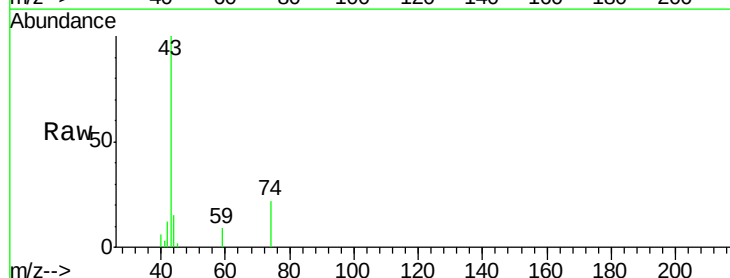
Acq: 20 Jul 2018 18:05

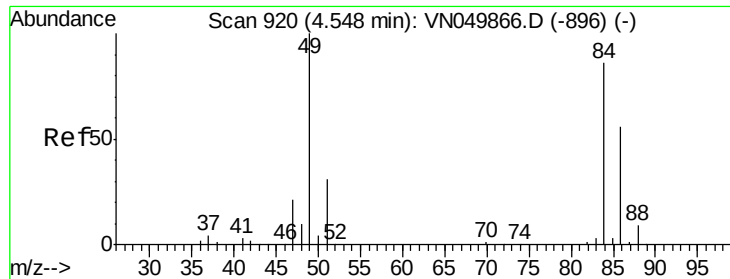
Tgt Ion: 43 Resp: 28922

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8

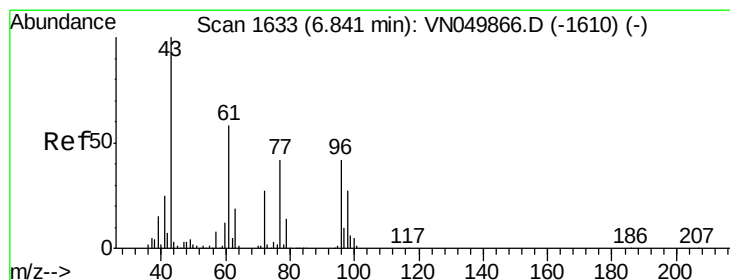
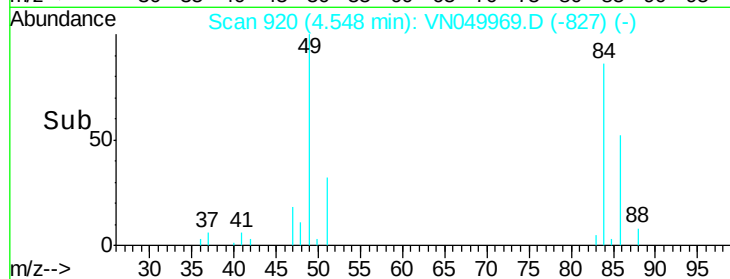
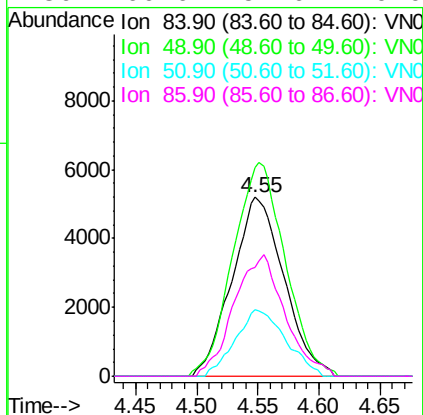
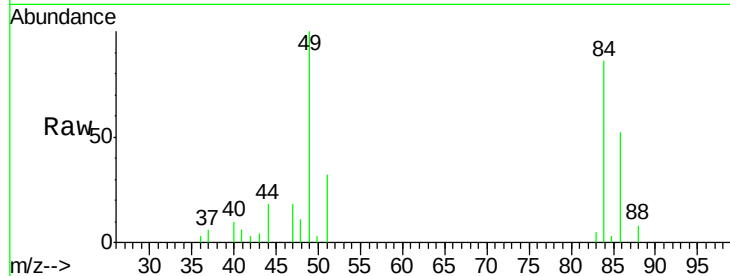




#20
Methvlene Chloride
Concen: 2.08 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049969.D
Acq: 20 Jul 2018 18:05

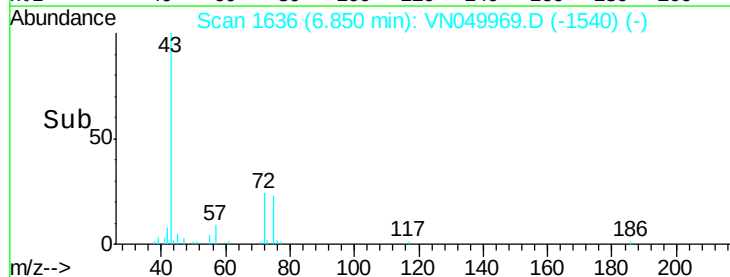
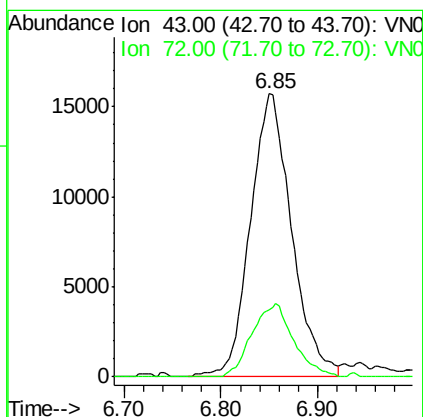
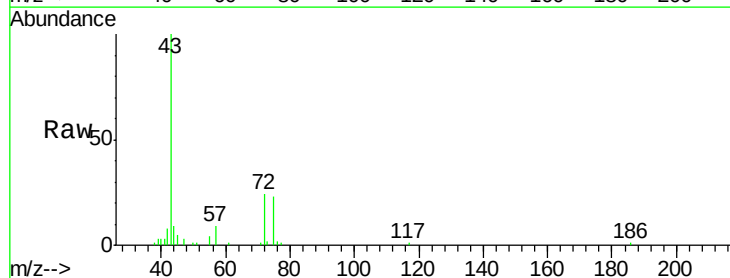
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#09

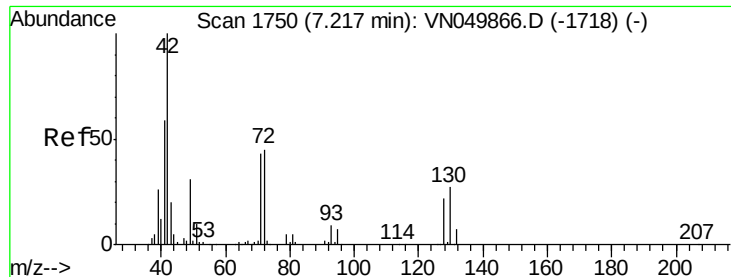
Tot Ion:	84	Resp:	15359
Ion	Ratio	Lower	Upper
84	100		
49	116.4	95.4	143.2
51	37.3	28.4	42.6
86	60.6	52.6	79.0



#25
2-Butanone
Concen: 16.77 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049969.D
Acq: 20 Jul 2018 18:05

Tgt Ion:	43	Resp:	46598
Ion	Ratio	Lower	Upper
43	100		
72	23.7	22.1	33.1





#29

Tetrahydrofuran

Concen: 13.34 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#09

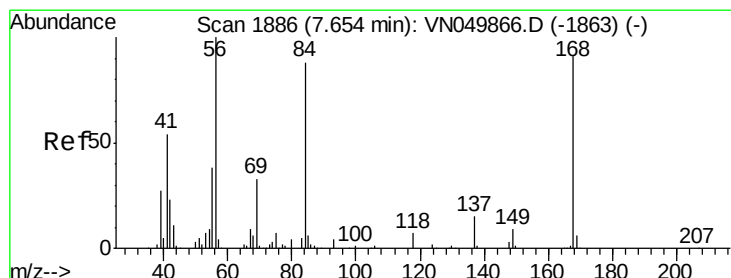
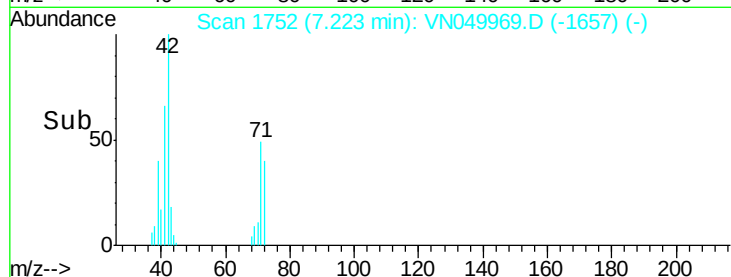
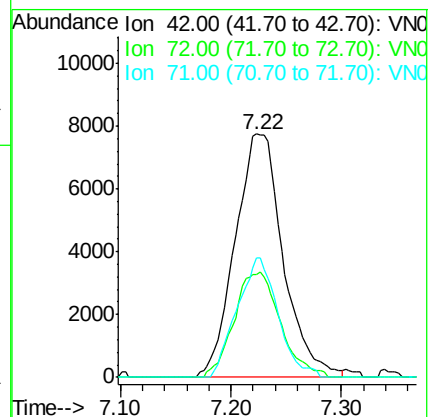
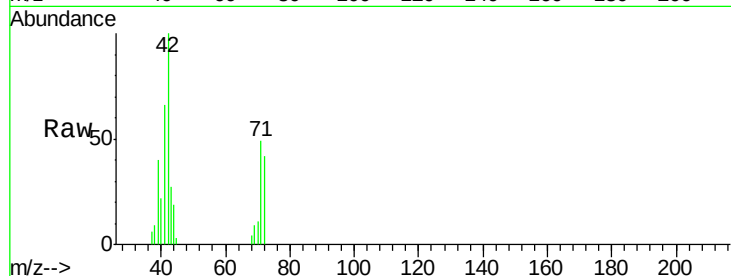
Tot Ion: 42 Resp: 23356

Ion Ratio Lower Upper

42 100

72 41.7 35.6 53.4

71 41.9 34.0 51.0



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.66 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

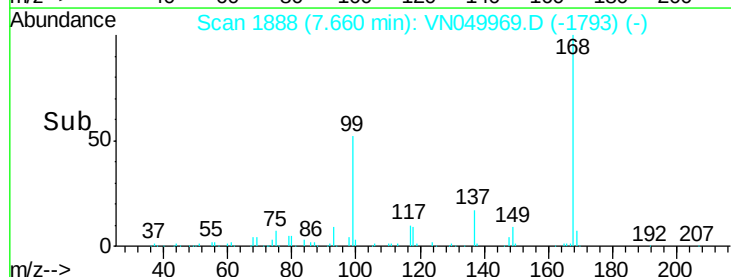
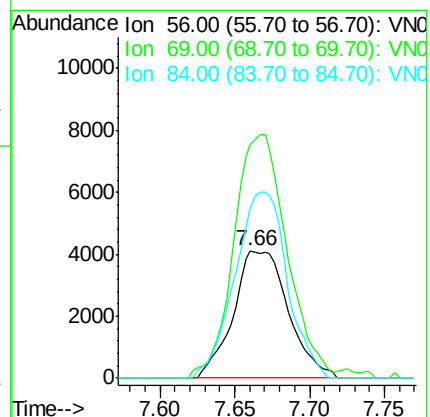
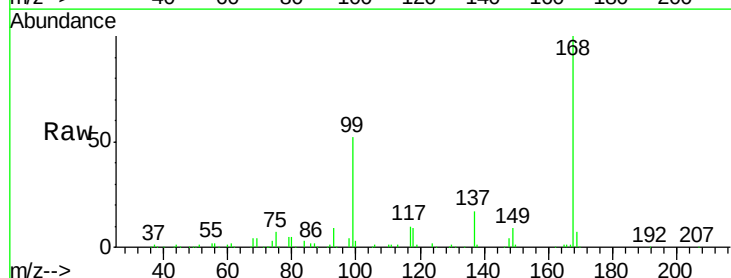
Tgt Ion: 56 Resp: 10496

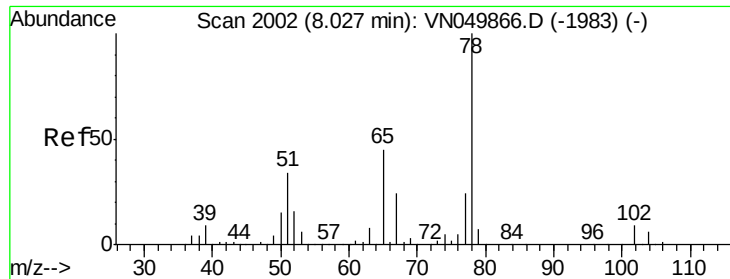
Ion Ratio Lower Upper

56 100

69 177.4 26.6 40.0#

84 133.1 69.0 103.6#

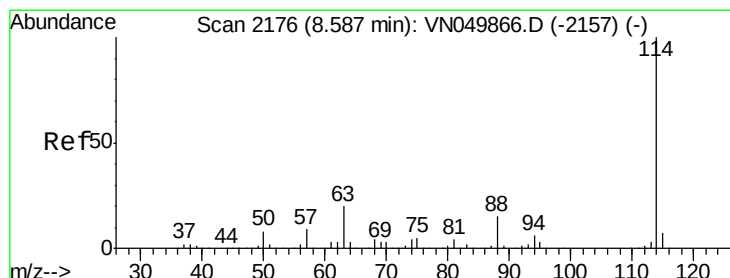
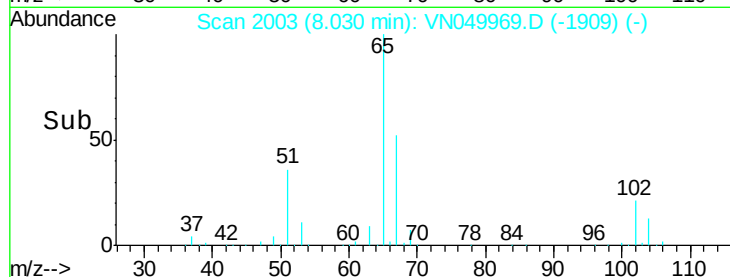
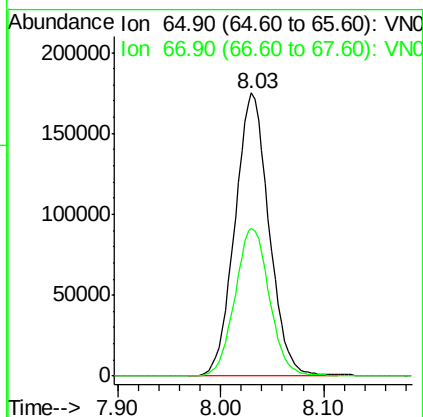
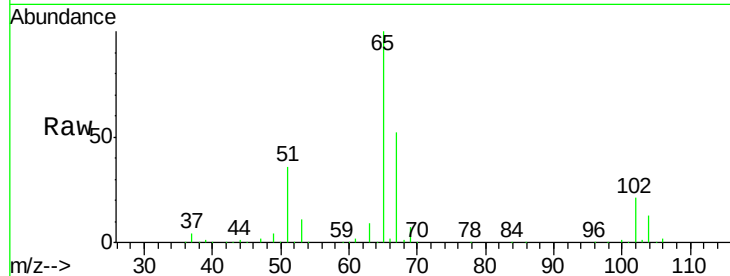




#33
 1,2-Dichloroethane-d4
 Concen: 53.54 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049969.D
 Acq: 20 Jul 2018 18:05

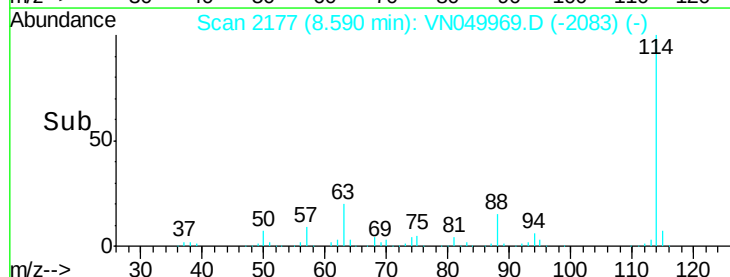
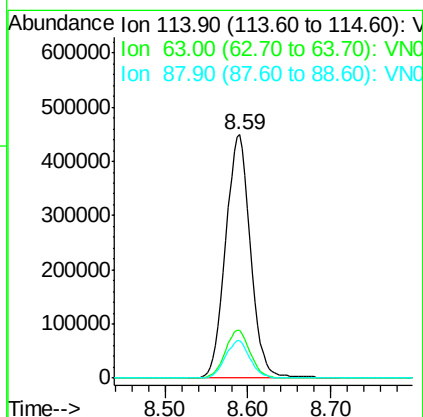
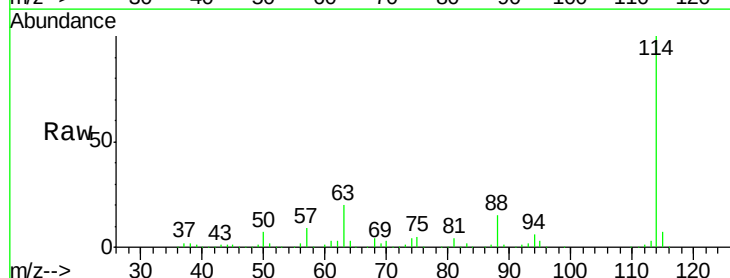
Instrument :
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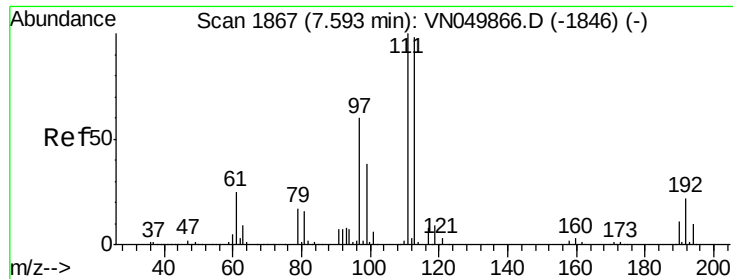
Tot Ion: 65 Resp: 402023
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049969.D
 Acq: 20 Jul 2018 18:05

Tgt Ion: 114 Resp: 938165
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.5 0.0 30.6

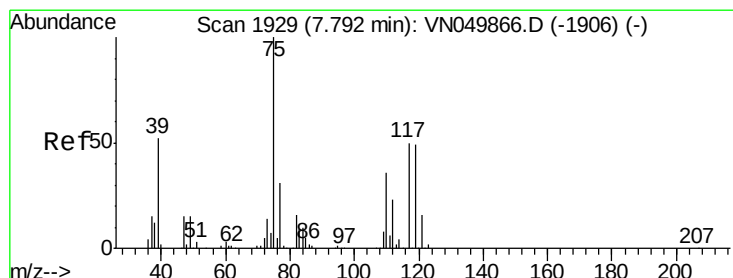
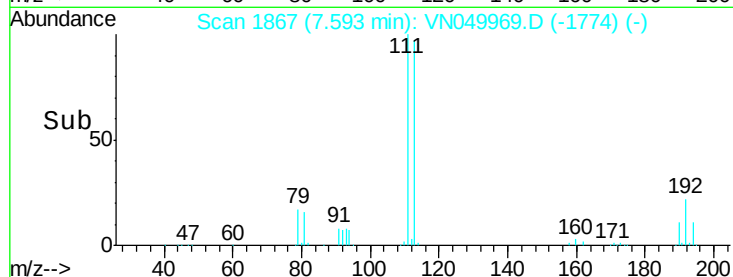
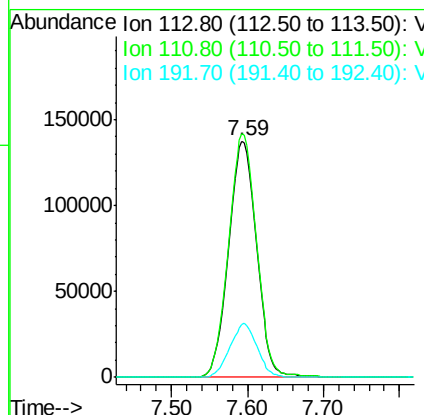
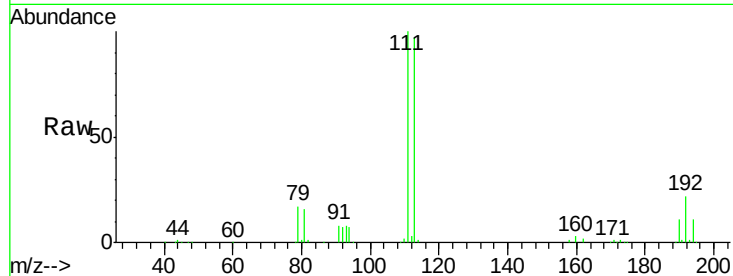




#35
 Dibromofluoromethane
 Concen: 44.80 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049969.D
 Acq: 20 Jul 2018 18:05

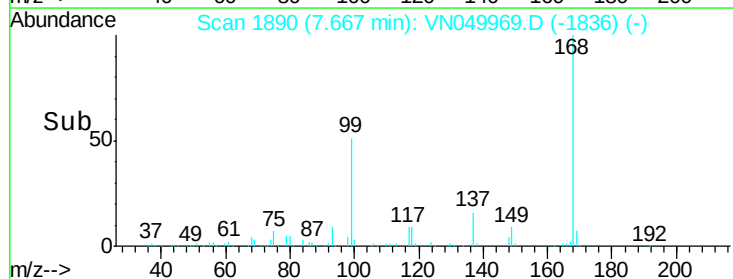
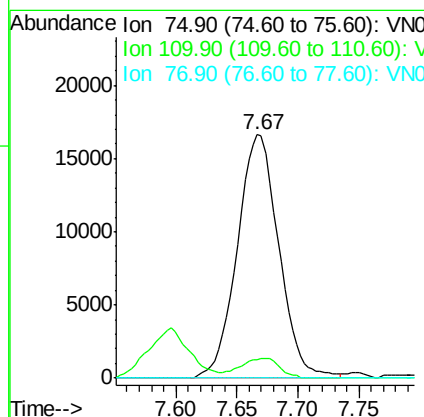
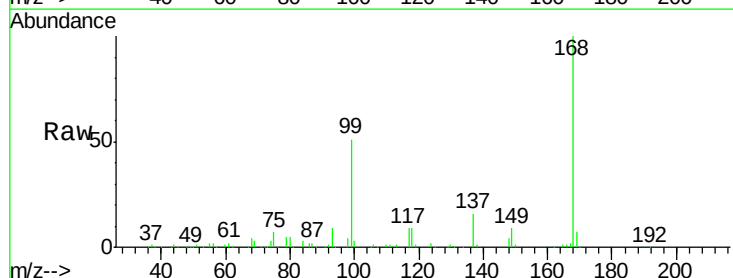
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#09

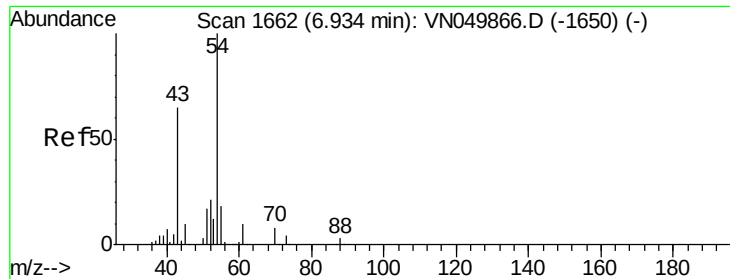
Tot Ion:113 Resp: 352814
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.8 122.8
 192 22.3 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049969.D
 Acq: 20 Jul 2018 18:05

Tgt Ion: 75 Resp: 39233
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.1 54.4#
 77 0.0 24.9 37.3#

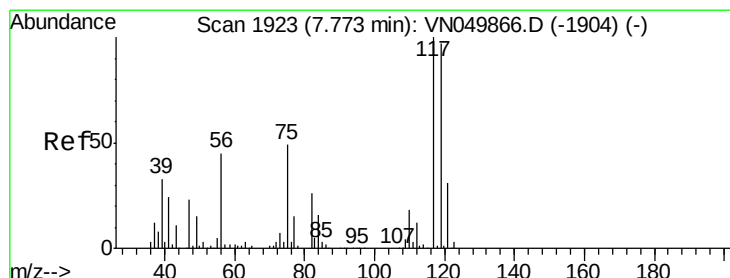
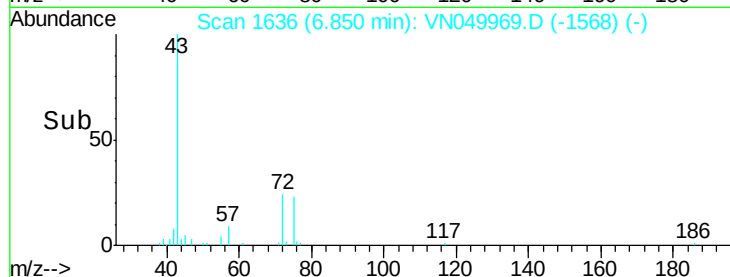
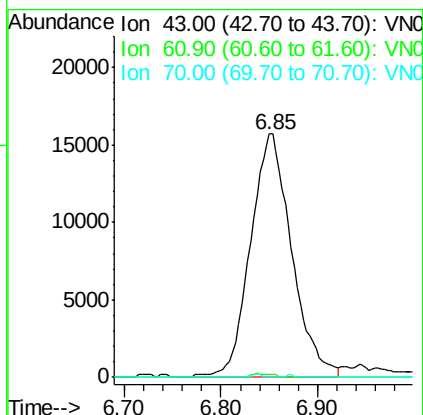
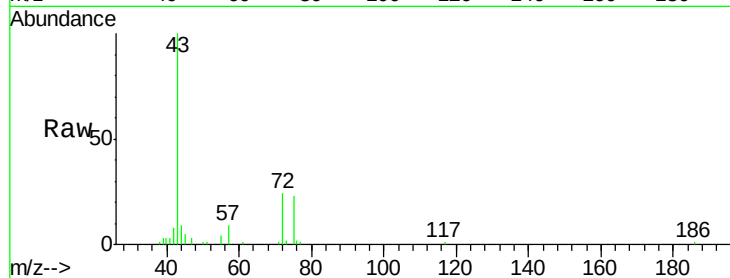




#37
Ethyl Acetate
Concen: 6.51 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. -0.08 min
Lab File: VN049969.D
Acq: 20 Jul 2018 18:05

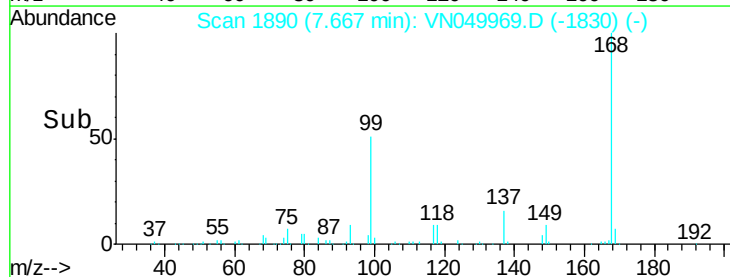
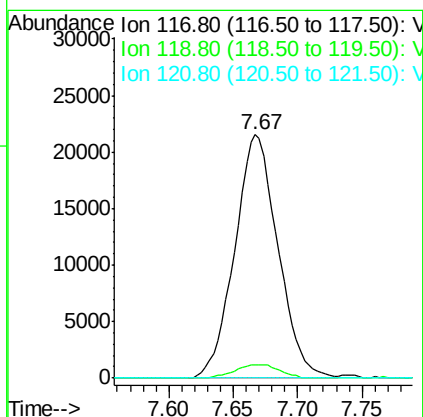
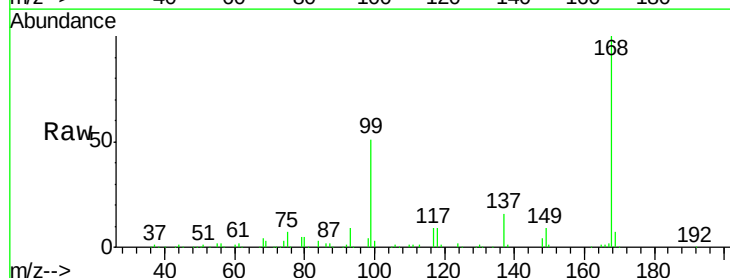
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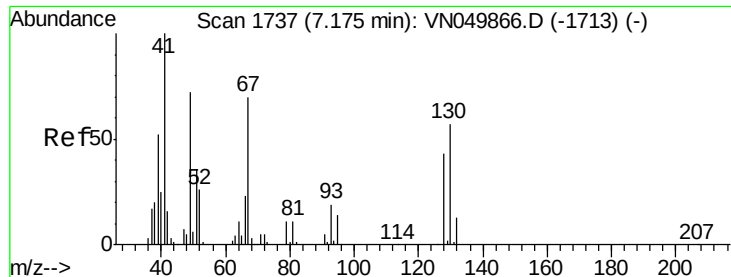
Tot Ion: 43 Resp: 46598
Ion Ratio Lower Upper
43 100
61 0.7 11.7 17.5#
70 0.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.49 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049969.D
Acq: 20 Jul 2018 18:05

Tgt Ion: 117 Resp: 50146
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.0 37.6#





#41

Methacrylonitrile

Concen: 4.22 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.04 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#09

Tot Ion: 41 Resp: 15153

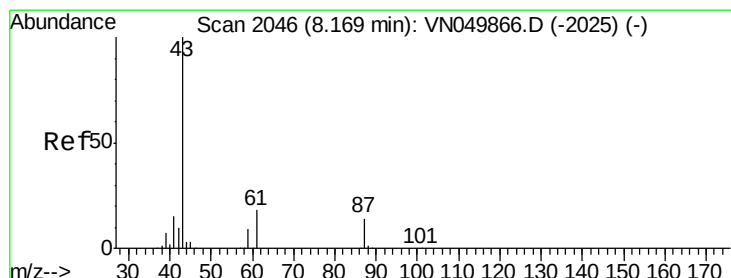
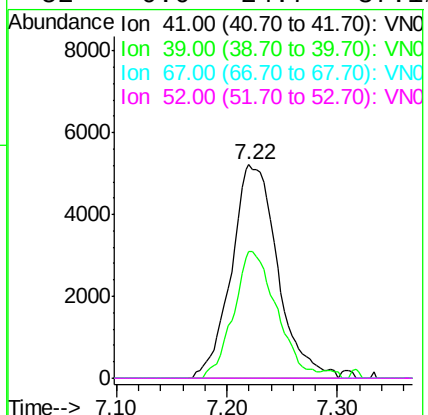
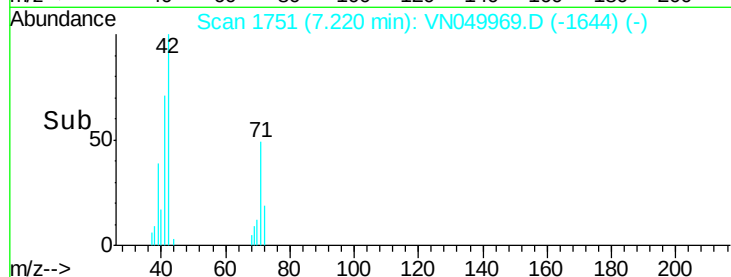
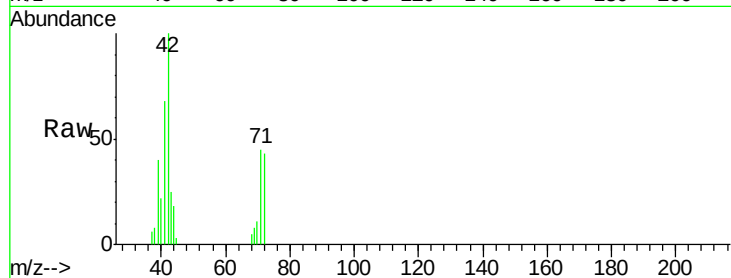
Ion Ratio Lower Upper

41 100

39 55.3 45.4 68.2

67 0.0 65.4 98.0#

52 0.0 24.7 37.1#



#43

Isopropyl Acetate

Concen: 25.38 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

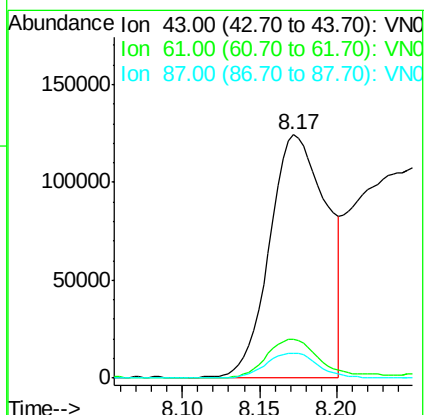
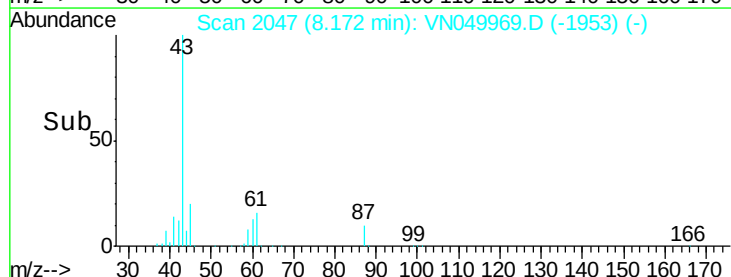
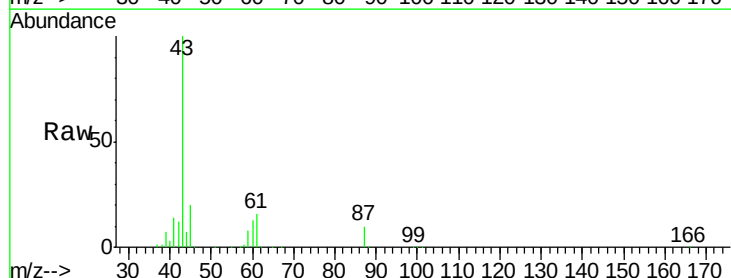
Tgt Ion: 43 Resp: 317659

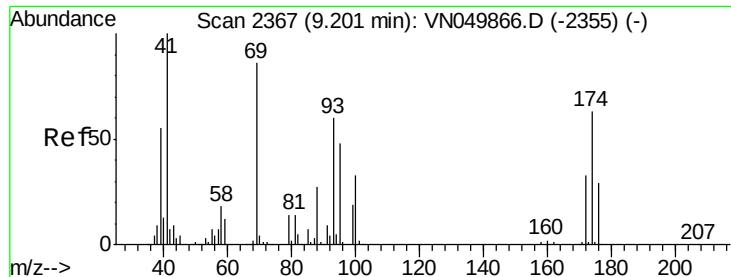
Ion Ratio Lower Upper

43 100

61 14.8 14.9 22.3#

87 9.5 10.0 15.0#

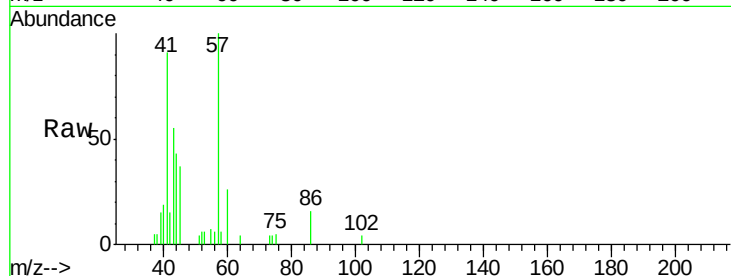




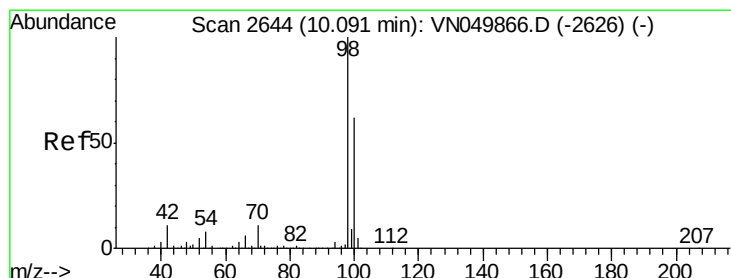
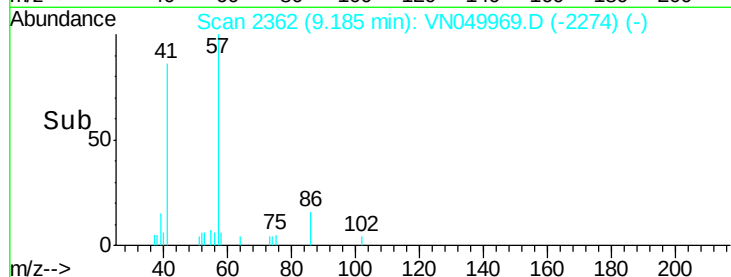
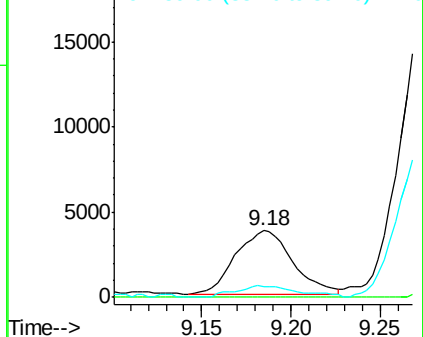
#48
Methvl methacrylate
Concen: 1.32 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN049969.D
Acq: 20 Jul 2018 18:05

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#09

Tot Ion: 41 Resp: 8258
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 17.4 44.7 67.1#

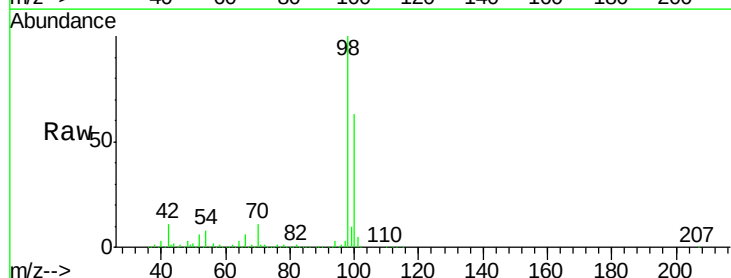


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

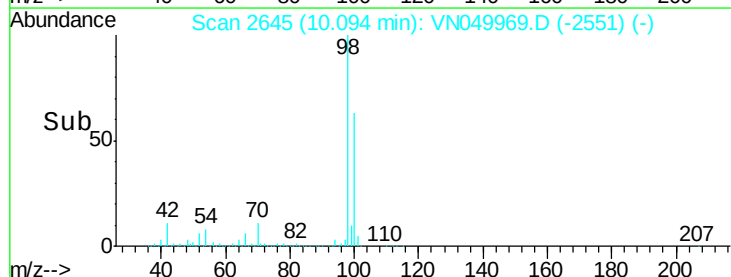
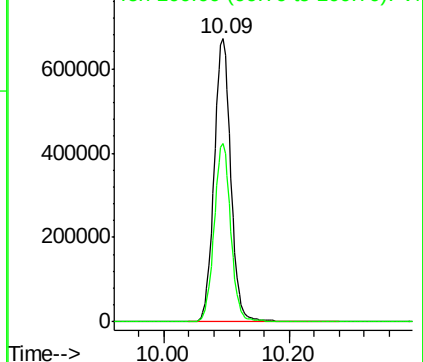


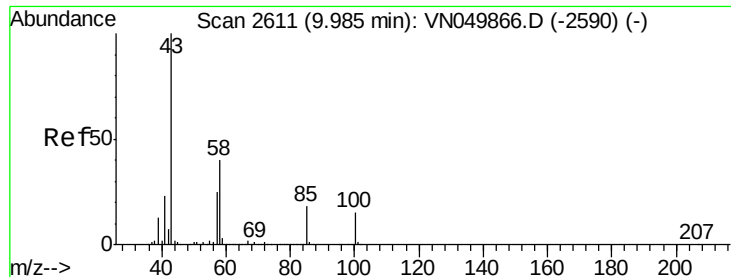
#50
Toluene-d8
Concen: 43.20 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049969.D
Acq: 20 Jul 2018 18:05

Tgt Ion: 98 Resp: 1239673
Ion Ratio Lower Upper
98 100
100 62.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

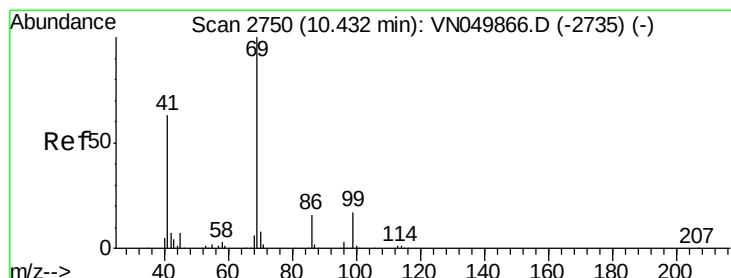
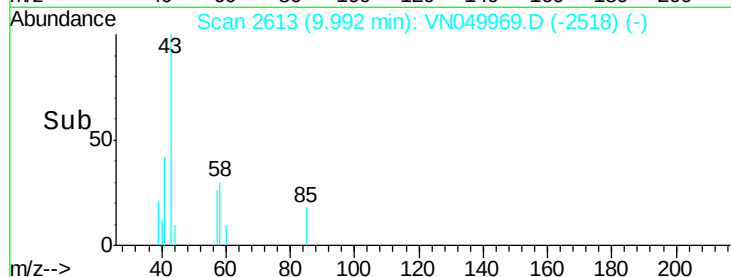
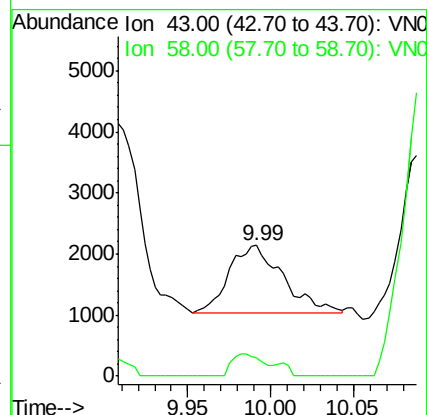
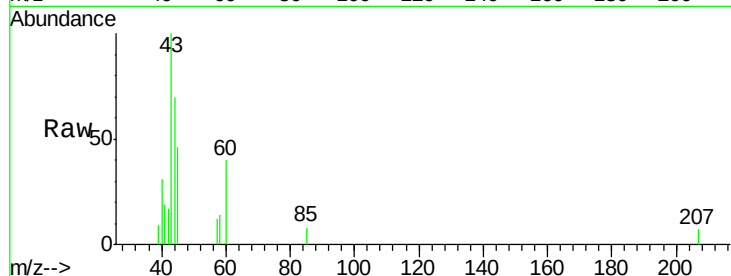
PB111289ZHE#09

Tot Ion: 43 Resp: 2521

Ion Ratio Lower Upper

43 100

58 19.1 31.8 47.8#



#56

Ethyl methacrylate

Concen: 2.41 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

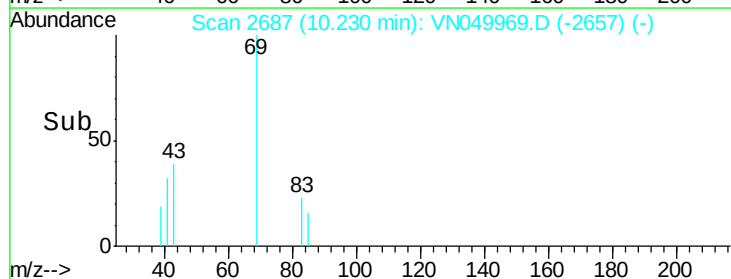
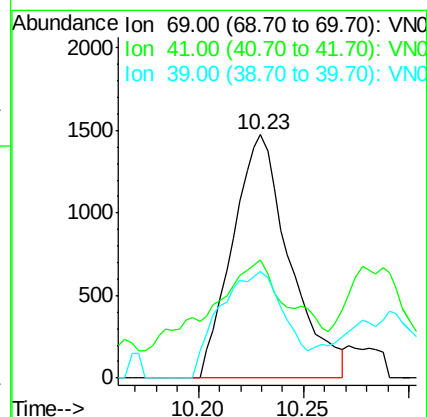
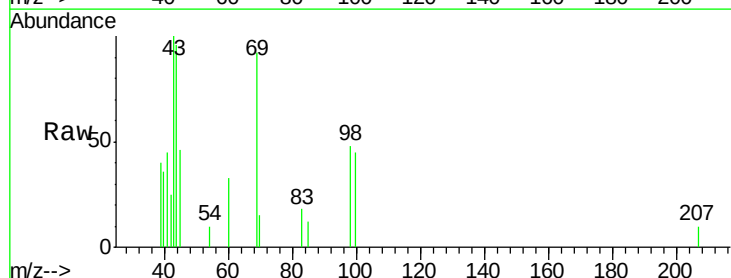
Tgt Ion: 69 Resp: 2780

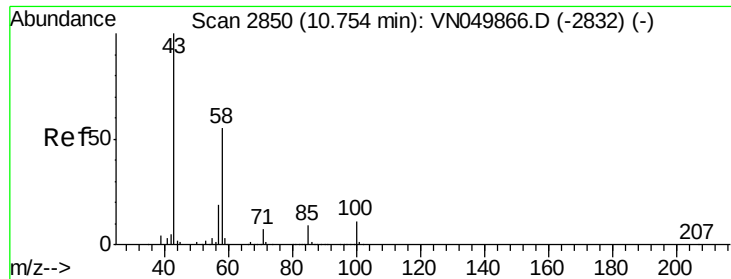
Ion Ratio Lower Upper

69 100

41 66.4 51.6 77.4

39 50.4 25.8 38.8#





#59

2-Hexanone

Concen: 4.23 ug/l

RT: 10.77 min Scan# 2855

Delta R.T. 0.02 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

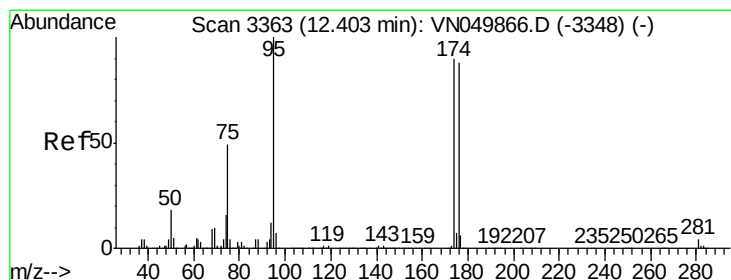
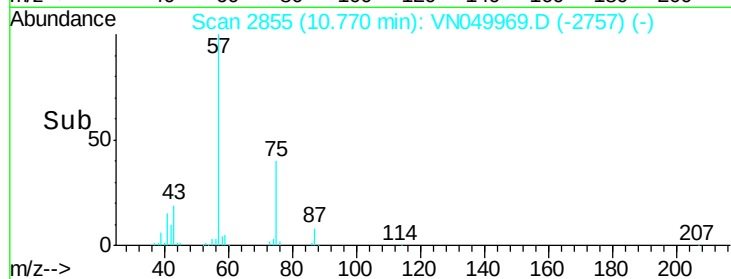
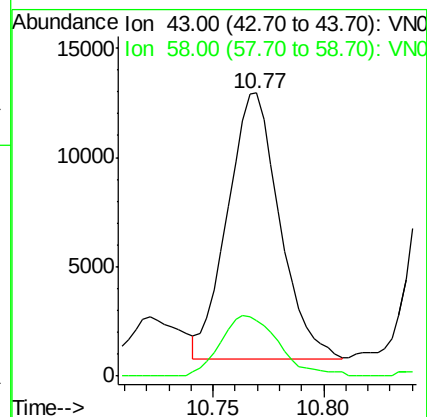
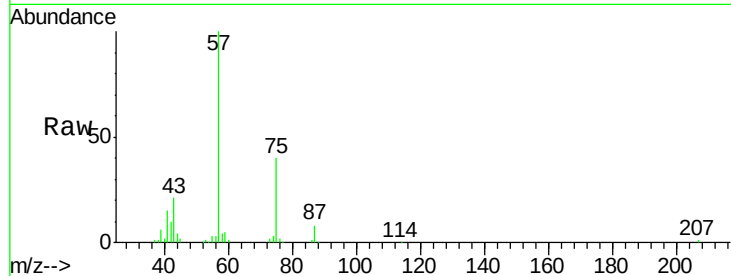
PB111289ZHE#09

Tot Ion: 43 Resp: 19855

Ion Ratio Lower Upper

43 100

58 25.6 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 33.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

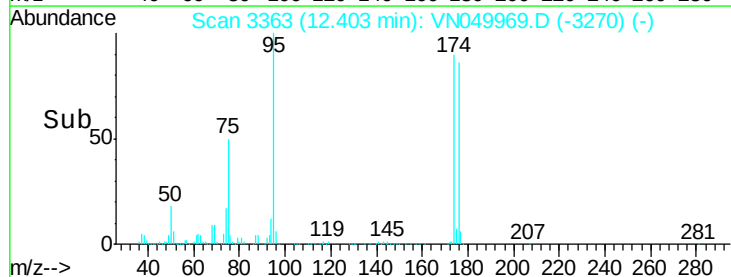
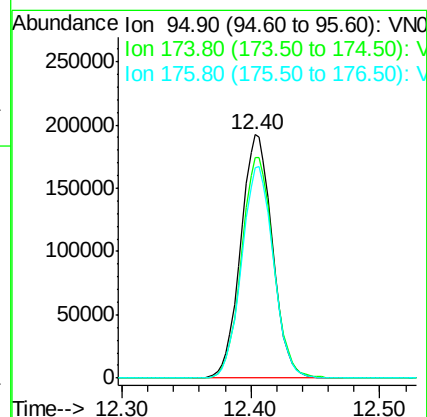
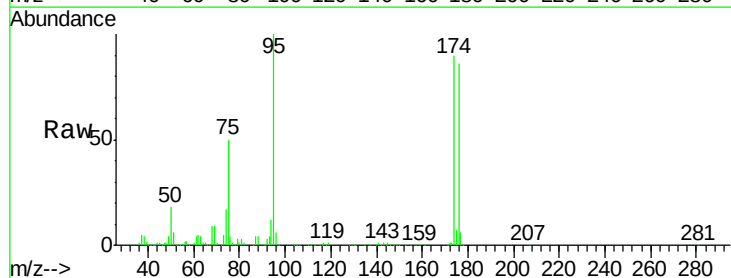
Tgt Ion: 95 Resp: 328434

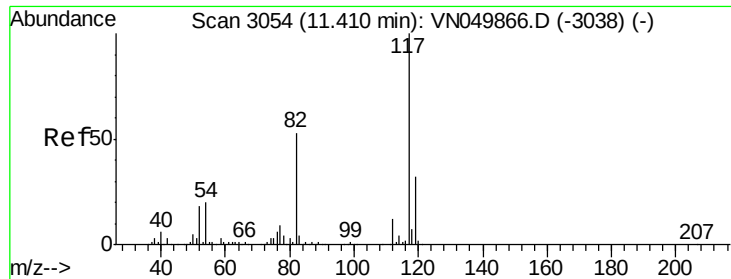
Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.6

176 87.2 0.0 174.0

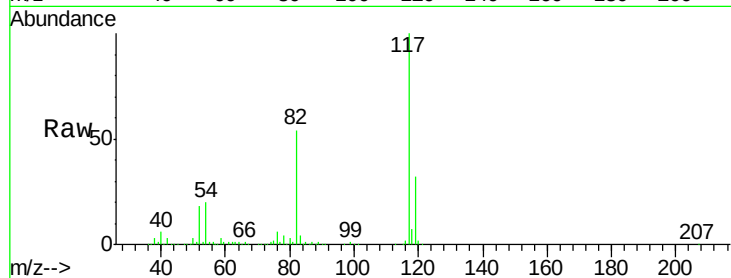




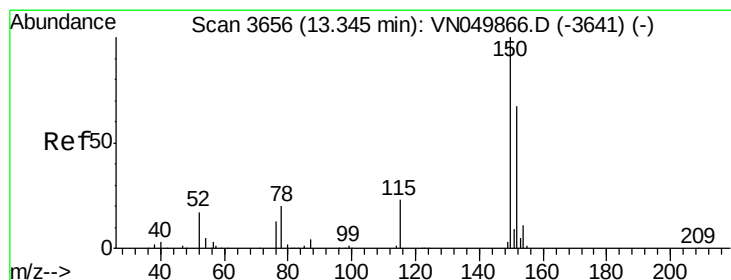
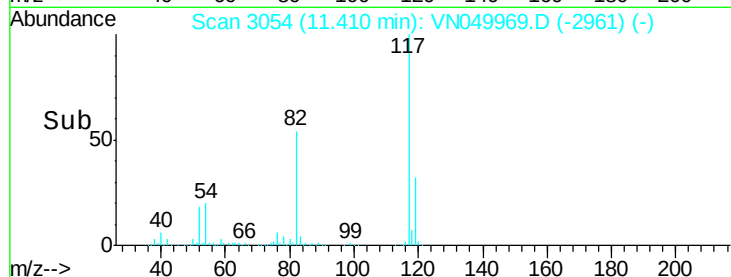
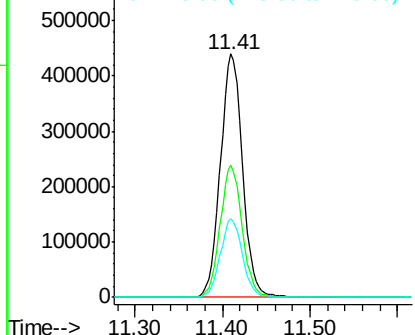
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049969.D
Acq: 20 Jul 2018 18:05

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#09

Tot Ion:117 Resp: 772653
Ion Ratio Lower Upper
117 100
82 54.2 41.9 62.9
119 32.3 25.4 38.2

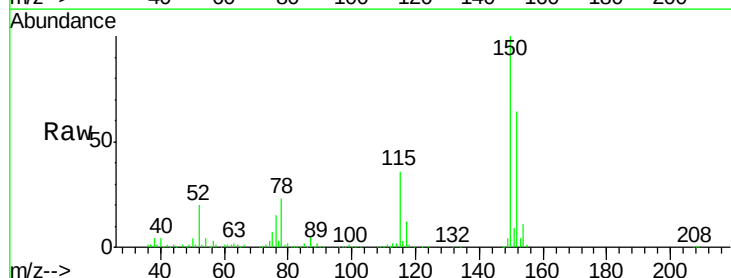


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

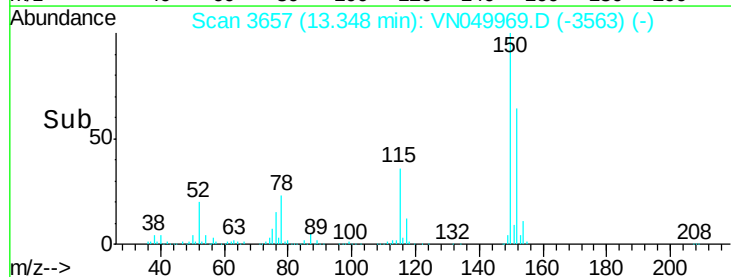
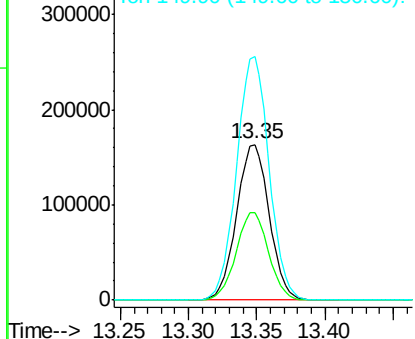


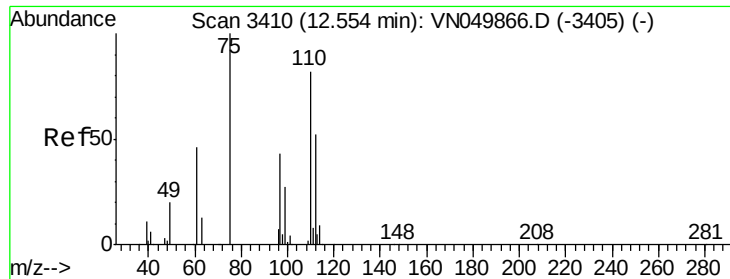
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049969.D
Acq: 20 Jul 2018 18:05

Tgt Ion:152 Resp: 270712
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.2
150 156.1 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

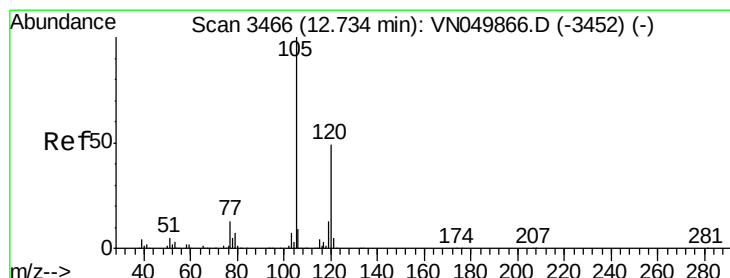
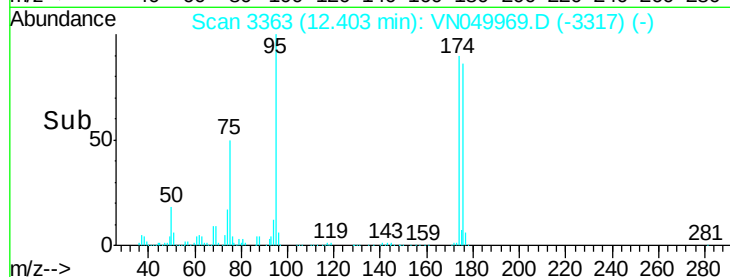
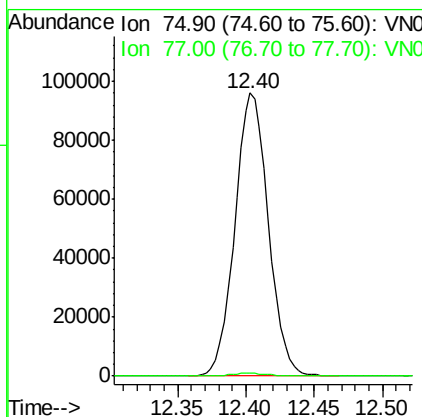
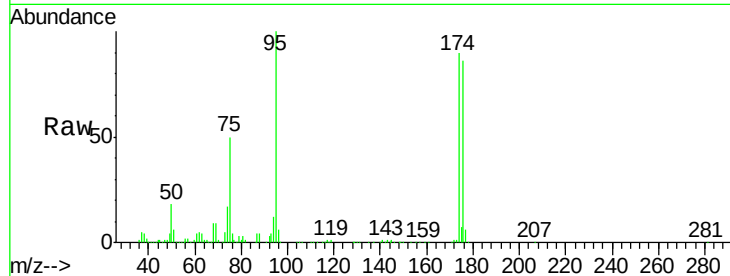




#76
 1,2,3-Trichloropropane
 Concen: 32.14 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049969.D
 Acq: 20 Jul 2018 18:05

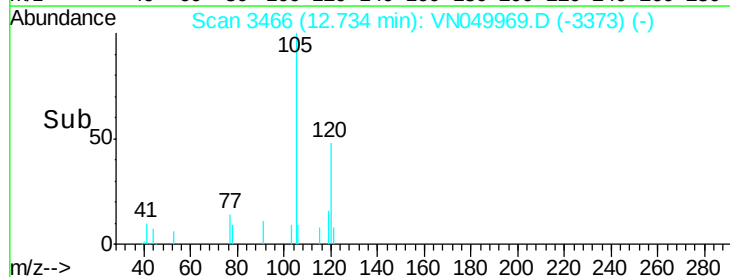
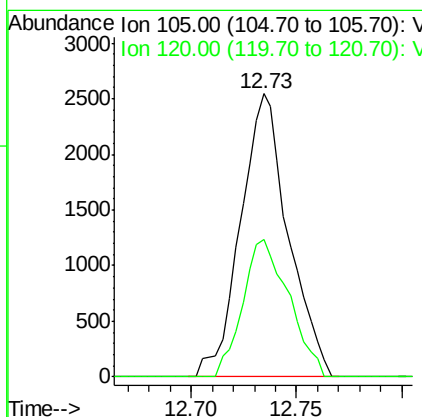
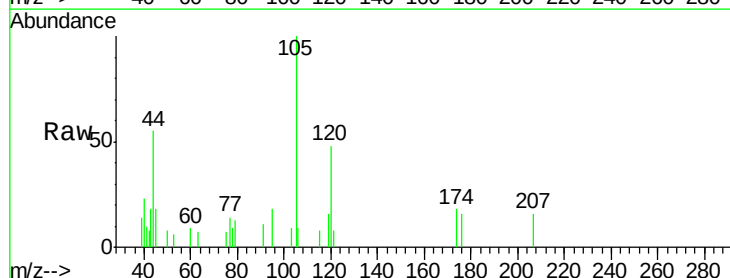
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#09

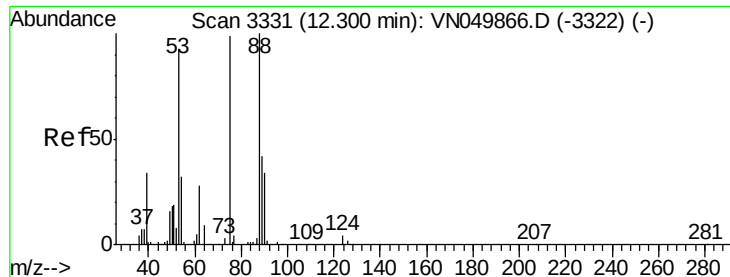
Tot Ion: 75 Resp: 163213
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.24 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN049969.D
 Acq: 20 Jul 2018 18:05

Tgt Ion: 105 Resp: 3990
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 100.50 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#09

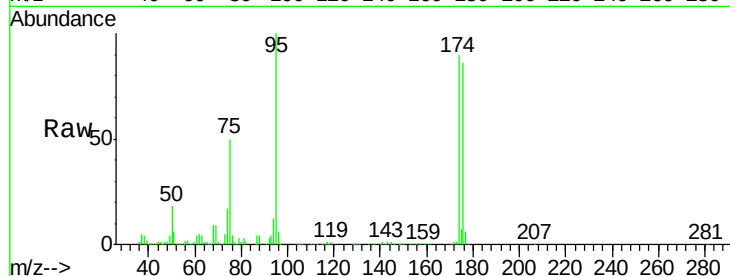
Tot Ion: 75 Resp: 163213

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

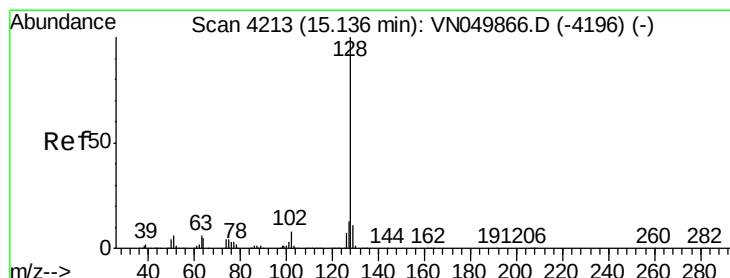
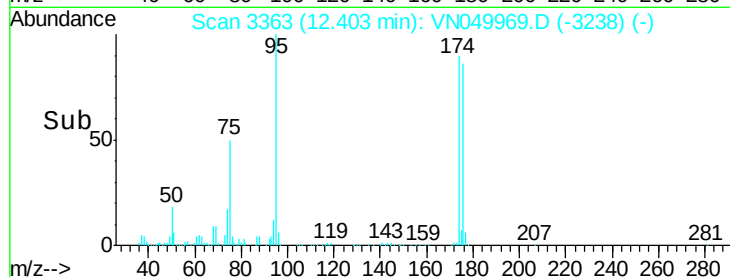
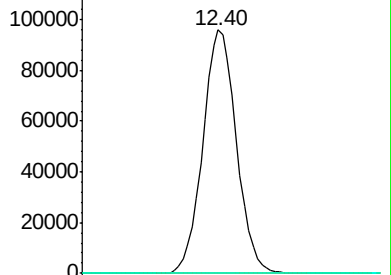
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049969.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049969.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049969.D (-3363) (-)



#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

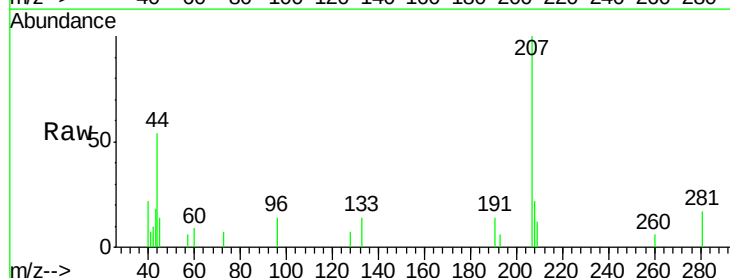
Tgt Ion: 128 Resp: 242

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): VN049969.D (-4213) (-)

Ion 127.00 (126.70 to 127.70): VN049969.D (-4213) (-)

Ion 129.00 (128.70 to 129.70): VN049969.D (-4213) (-)

