

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049968.D
 Acq On : 20 Jul 2018 17:39
 Operator : MD\SY
 Sample : PB111289ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#08

Quant Time: Jul 20 23:48:41 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	549071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	938593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	789153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296707	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	403543	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
35) Dibromofluoromethane	7.59	113	354447	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
50) Toluene-d8	10.09	98	1236785	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	
62) 4-Bromofluorobenzene	12.40	95	345578	34.95	ug/l	0.00
Spiked Amount			Recovery	=	69.90%	

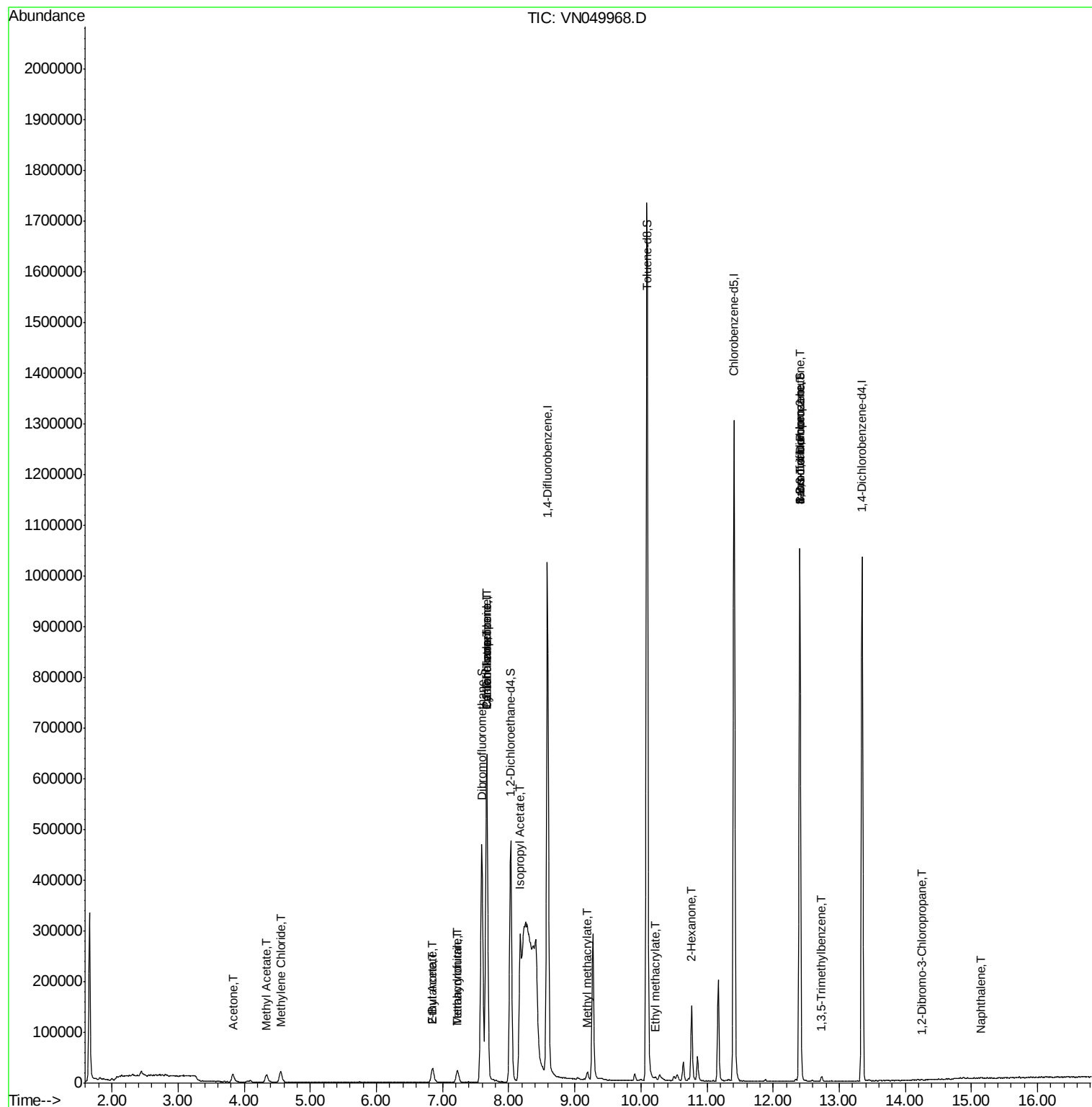
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	92	Below Cal	#	23
16) Acetone	3.83	43	26392	13.51	ug/l	100
18) Methyl Acetate	4.34	43	28448	3.87	ug/l	94
20) Methylene Chloride	4.55	84	15383	2.07	ug/l	95
25) 2-Butanone	6.85	43	39647	14.20	ug/l	98
29) Tetrahydrofuran	7.23	42	18833	10.71	ug/l	95
31) Cyclohexane	7.67	56	10944	1.09	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39716	3.81	ug/l #	48
37) Ethyl Acetate	6.85	43	39647	5.53	ug/l #	69
38) Carbon Tetrachloride	7.67	117	49878	4.46	ug/l #	16
41) Methacrylonitrile	7.22	41	12797	3.56	ug/l #	45
43) Isopropyl Acetate	8.18	43	352069	28.12	ug/l #	90
48) Methyl methacrylate	9.18	41	8473	1.35	ug/l #	23
56) Ethyl methacrylate	10.23	69	2895	2.42	ug/l #	87
59) 2-Hexanone	10.77	43	21112	4.49	ug/l #	57
71) Bromoform	12.40	173	3093	0.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	171463	30.81	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	4396	0.24	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	171463	96.33	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	354	0.34	ug/l #	1
95) Naphthalene	15.14	128	433	4.52	ug/l #	69

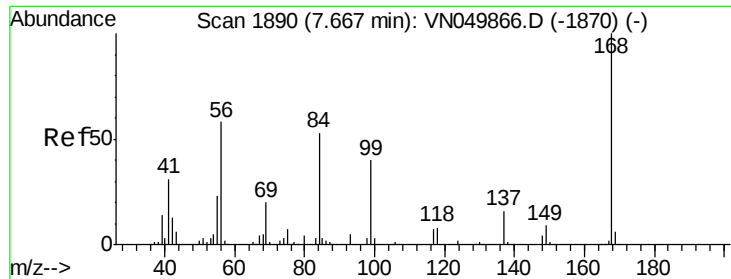
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

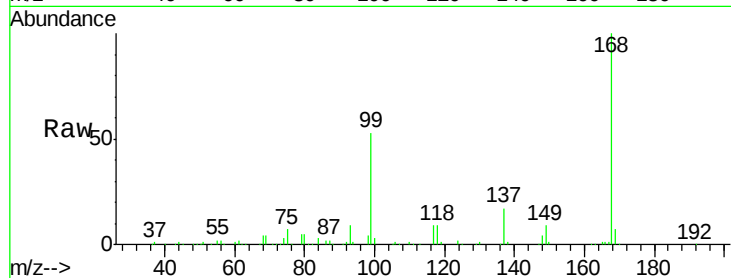
PB111289ZHE#08

Tot Ion:168 Resp: 549071

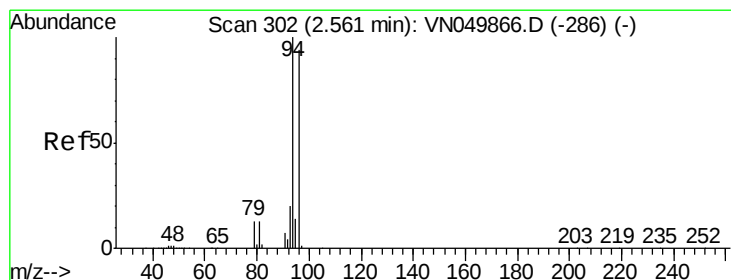
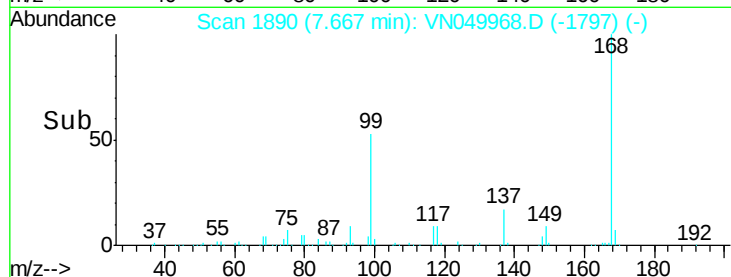
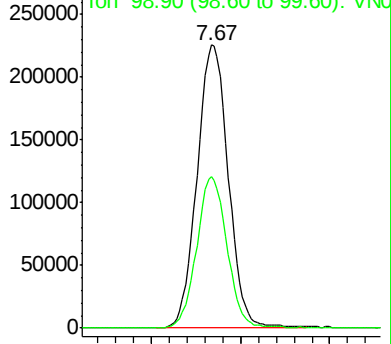
Ion Ratio Lower Upper

168 100

99 53.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049968.D (-1797) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 300

Delta R.T. -0.01 min

Lab File: VN049968.D

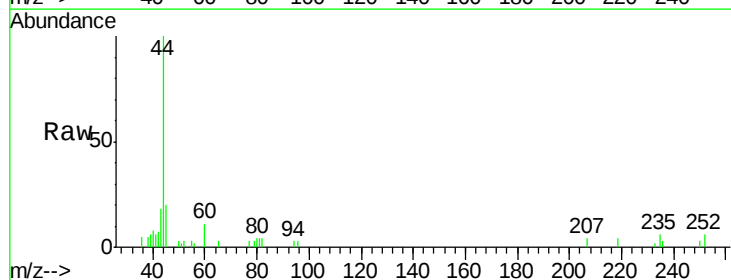
Acq: 20 Jul 2018 17:39

Tgt Ion: 94 Resp: 92

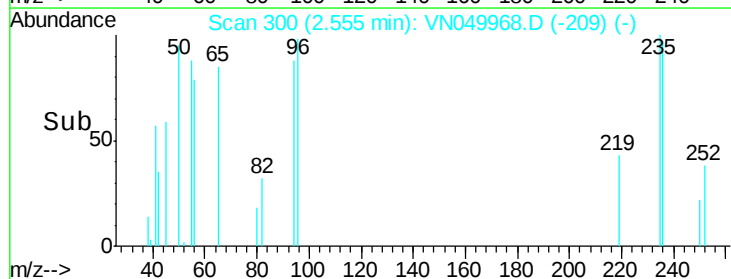
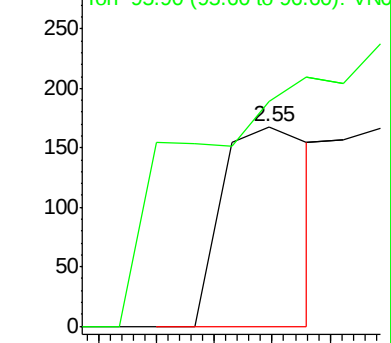
Ion Ratio Lower Upper

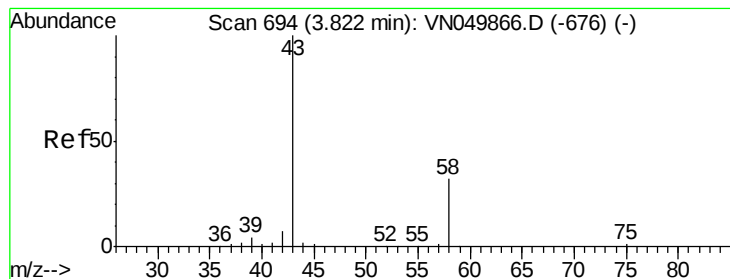
94 100

96 20.2 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN049968.D (-209) (-)





#16

Acetone

Concen: 13.51 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

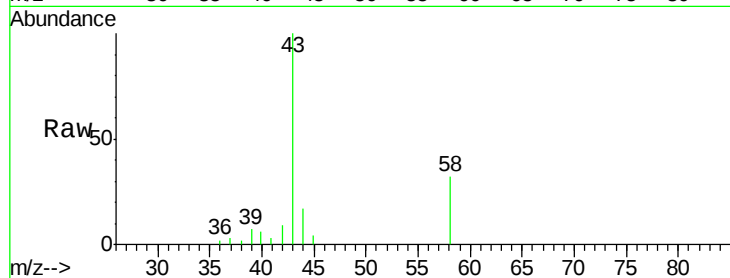
PB111289ZHE#08

Tot Ion: 43 Resp: 26392

Ion Ratio Lower Upper

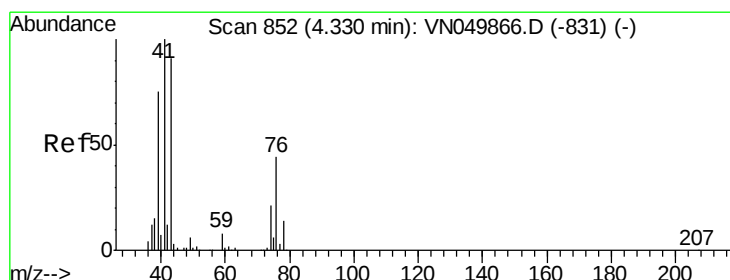
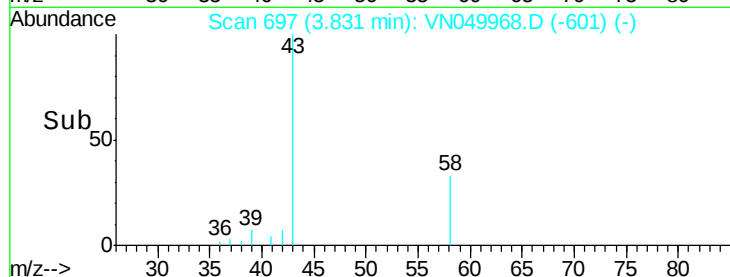
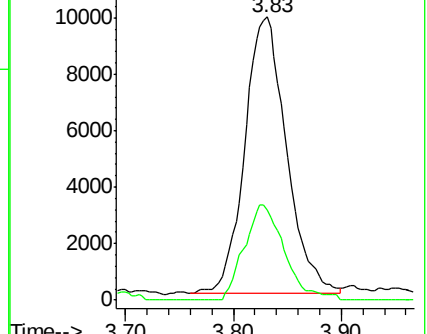
43 100

58 32.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.87 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN049968.D

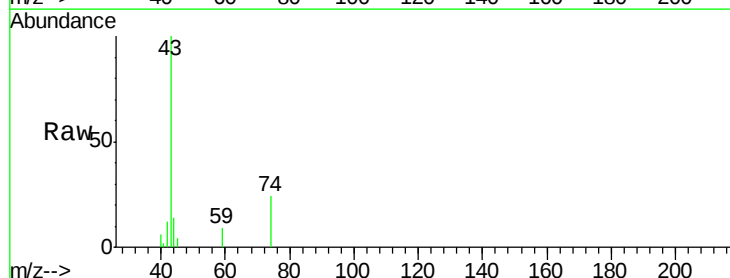
Acq: 20 Jul 2018 17:39

Tgt Ion: 43 Resp: 28448

Ion Ratio Lower Upper

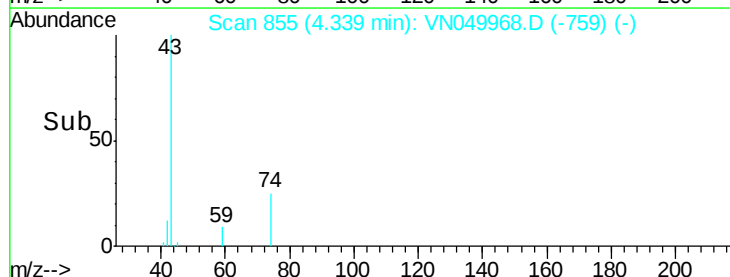
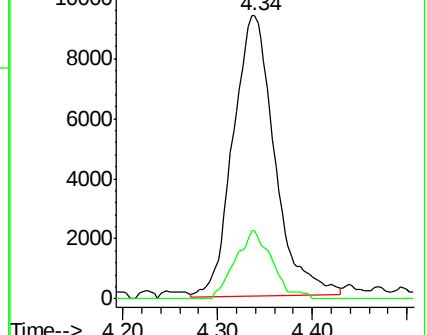
43 100

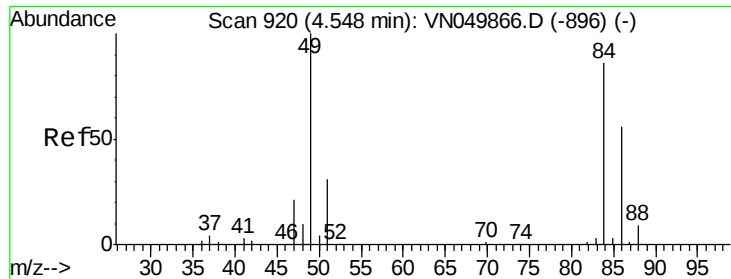
74 21.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

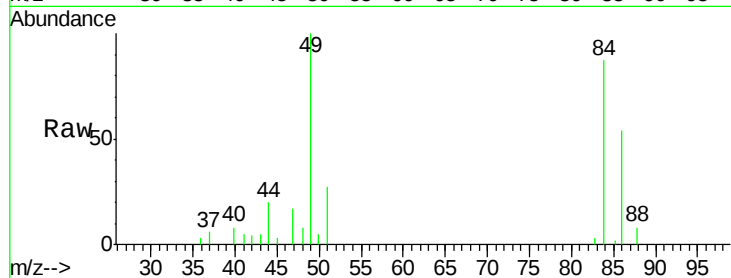




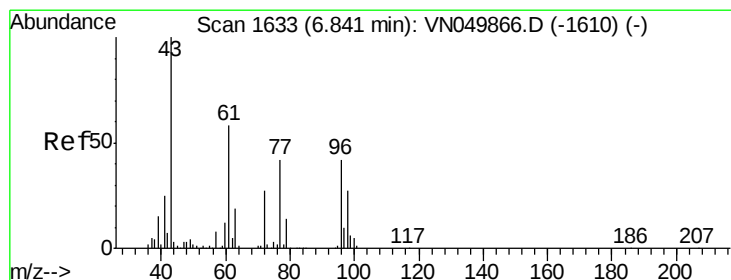
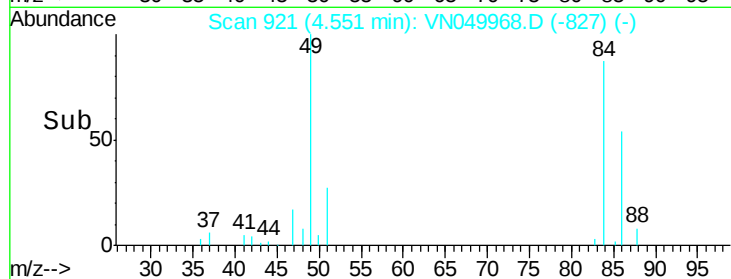
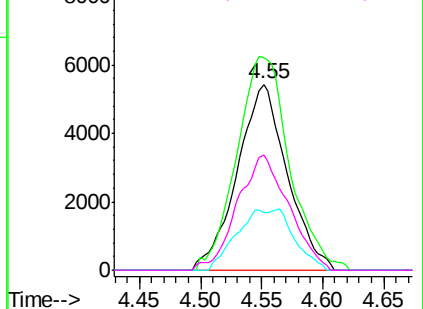
#20
Methvlene Chloride
Concen: 2.07 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#08

Tot Ion:	84	Resp:	15383
Ion	Ratio	Lower	Upper
84	100		
49	114.5	95.4	143.2
51	31.0	28.4	42.6
86	62.0	52.6	79.0

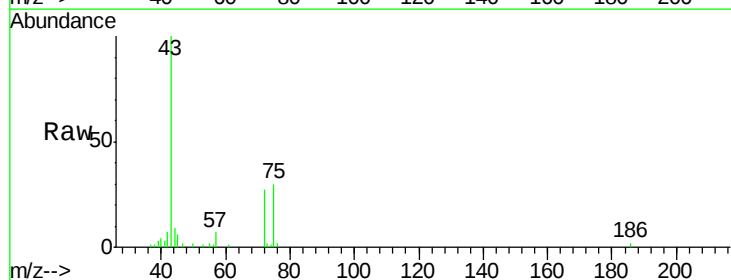


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

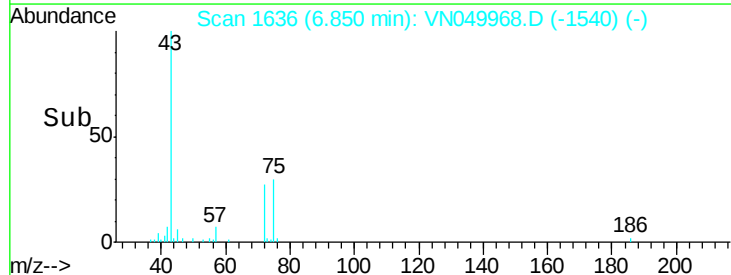
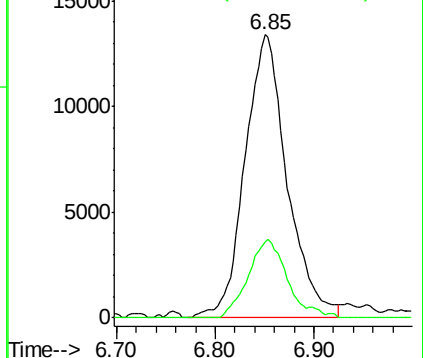


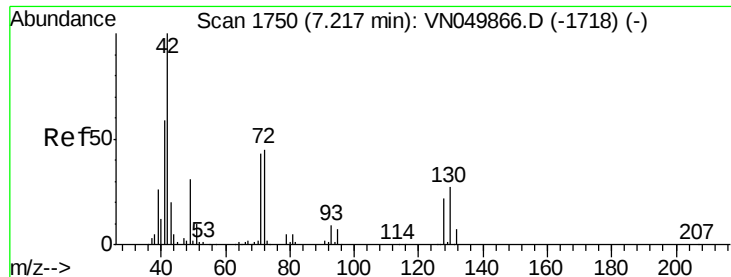
#25
2-Butanone
Concen: 14.20 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

Tgt Ion:	43	Resp:	39647
Ion	Ratio	Lower	Upper
43	100		
72	26.8	22.1	33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 10.71 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#08

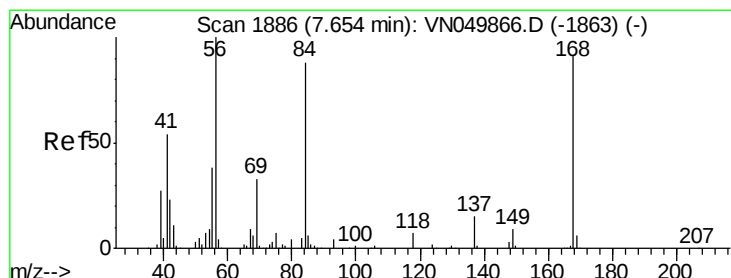
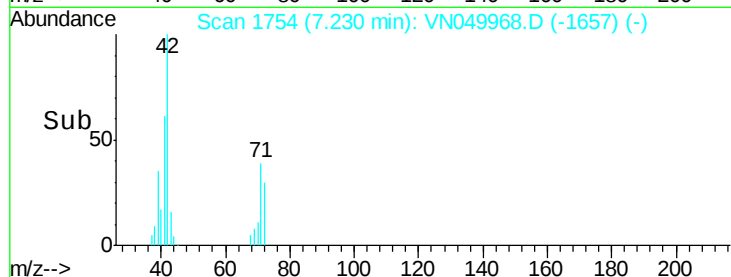
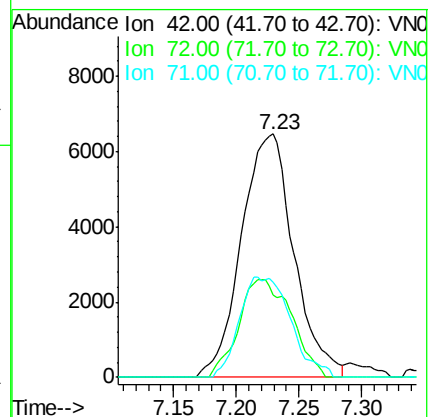
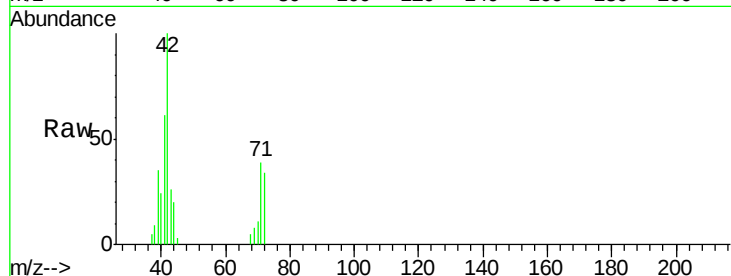
Tot Ion: 42 Resp: 18833

Ion Ratio Lower Upper

42 100

72 40.3 35.6 53.4

71 40.1 34.0 51.0



#31

Cyclohexane

Concen: 1.09 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

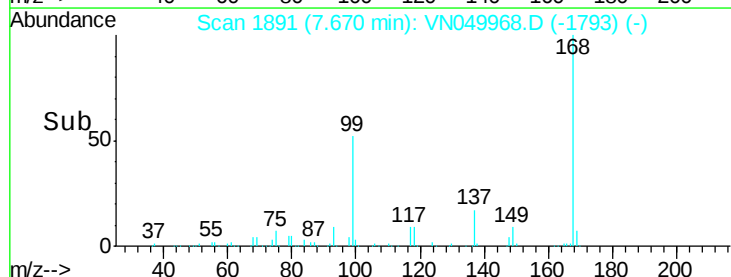
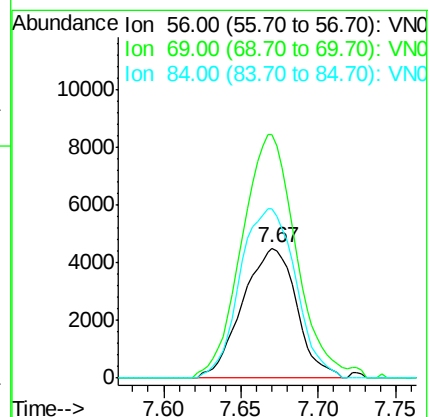
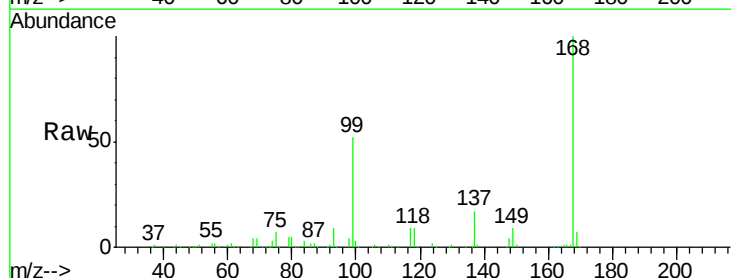
Tgt Ion: 56 Resp: 10944

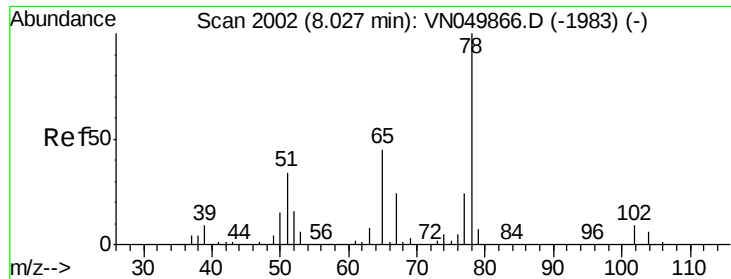
Ion Ratio Lower Upper

56 100

69 187.3 26.6 40.0#

84 130.0 69.0 103.6#

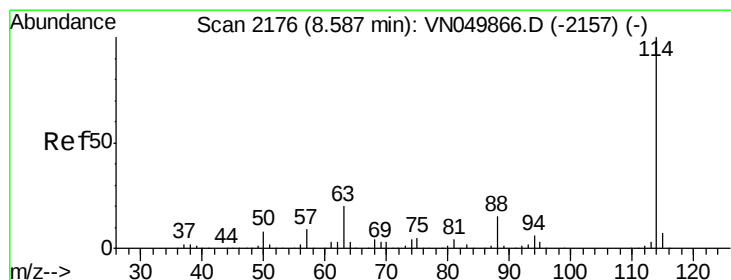
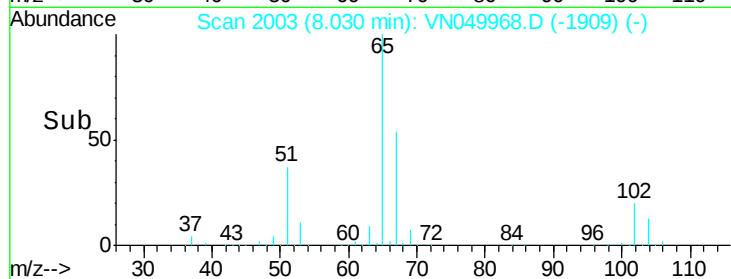
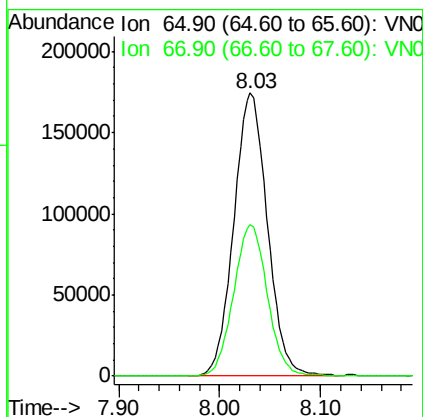
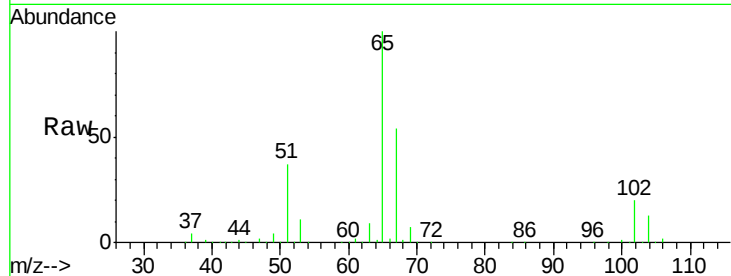




#33
 1,2-Dichloroethane-d4
 Concen: 53.47 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049968.D
 Acq: 20 Jul 2018 17:39

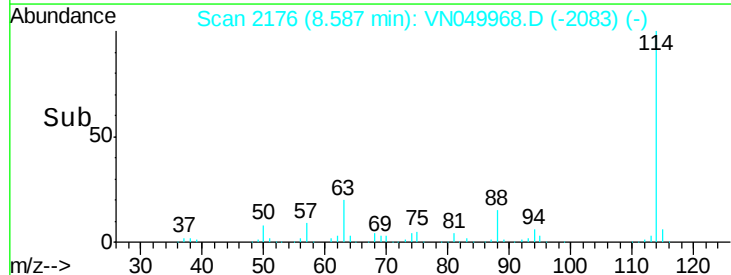
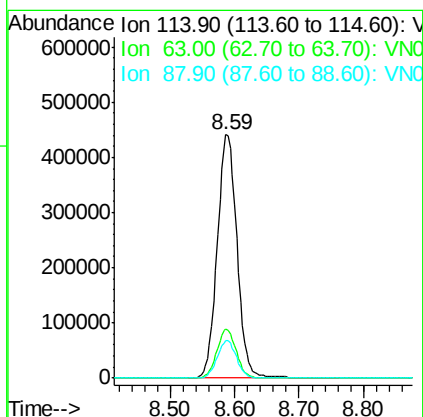
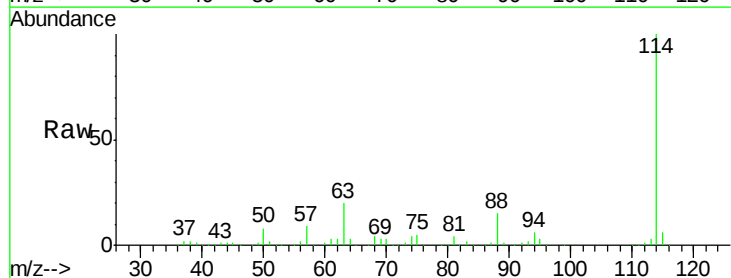
Instrument :
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 PB111289ZHE#08

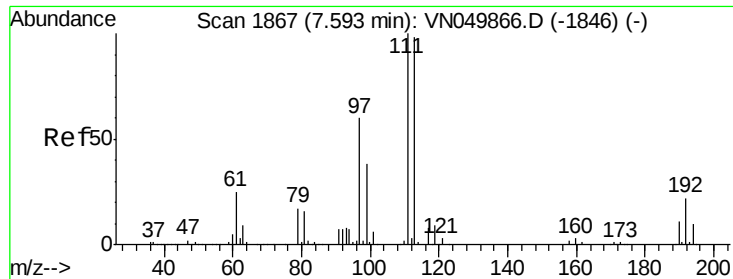
Tot Ion: 65 Resp: 403543
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049968.D
 Acq: 20 Jul 2018 17:39

Tgt Ion: 114 Resp: 938593
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.4 0.0 30.6

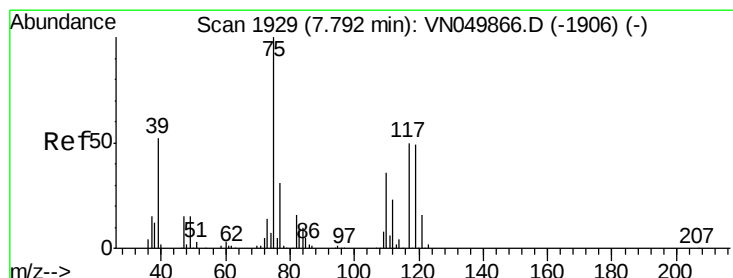
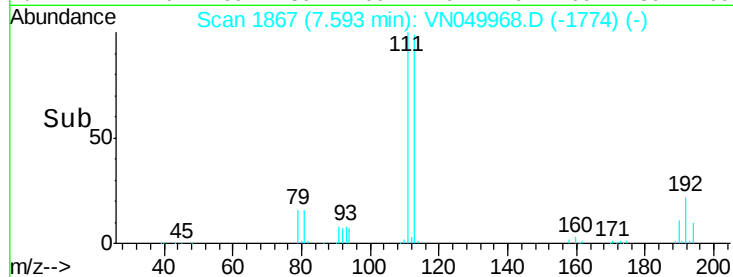
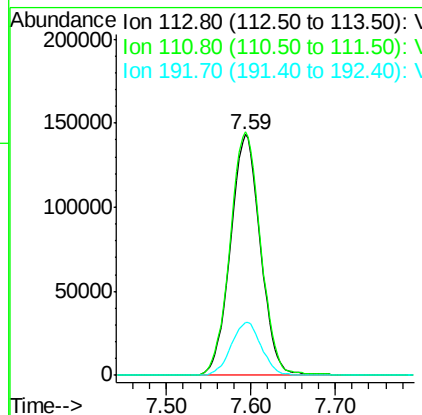
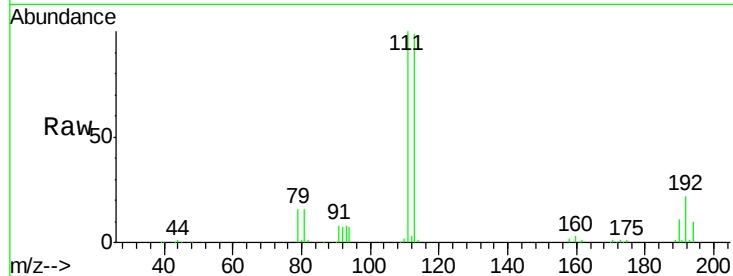




#35
 Dibromofluoromethane
 Concen: 44.98 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049968.D
 Acq: 20 Jul 2018 17:39

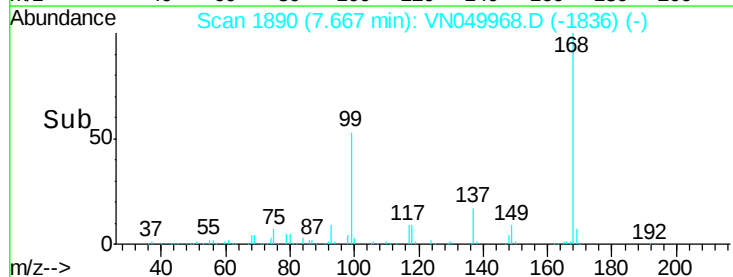
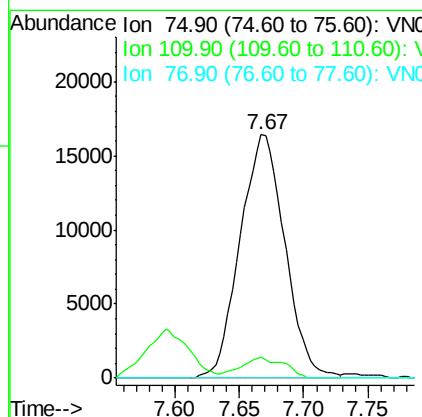
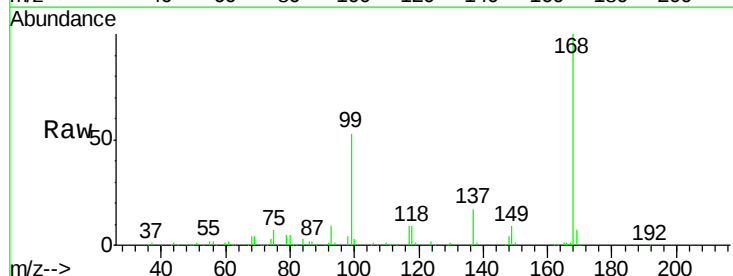
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#08

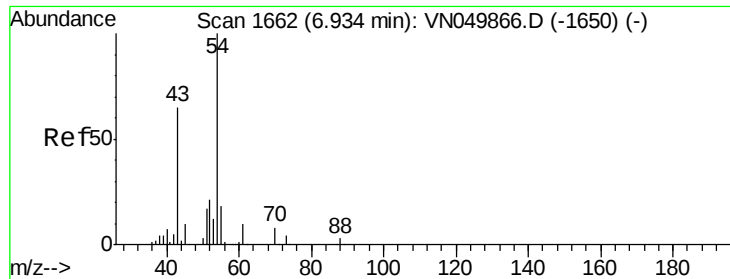
Tot Ion:113 Resp: 354447
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.8
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049968.D
 Acq: 20 Jul 2018 17:39

Tgt Ion: 75 Resp: 39716
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.4#
 77 0.0 24.9 37.3#

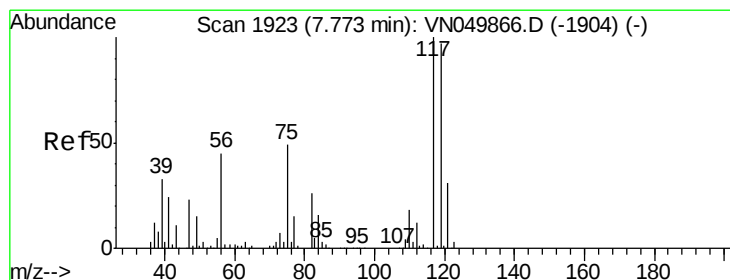
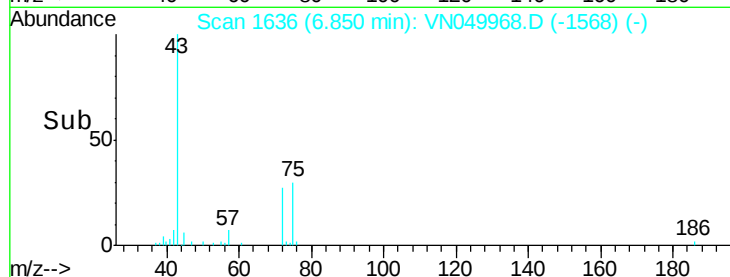
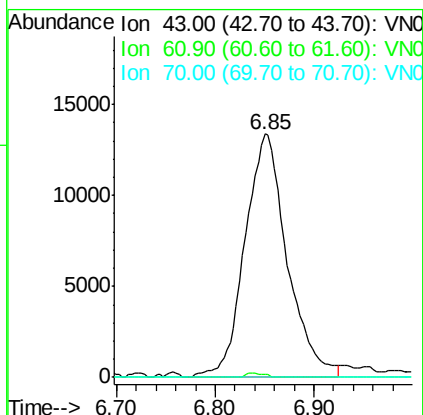
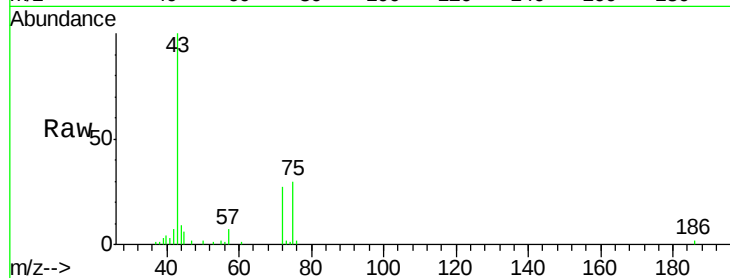




#37
Ethyl Acetate
Concen: 5.53 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. -0.08 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

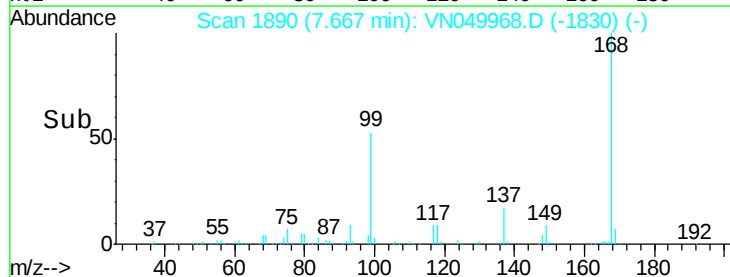
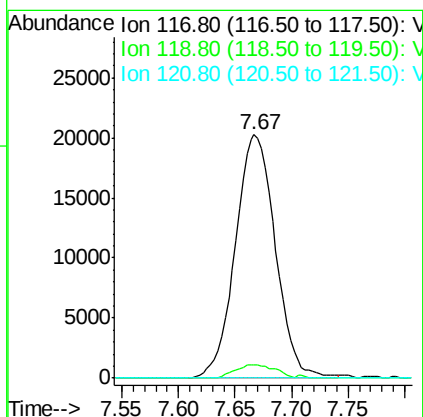
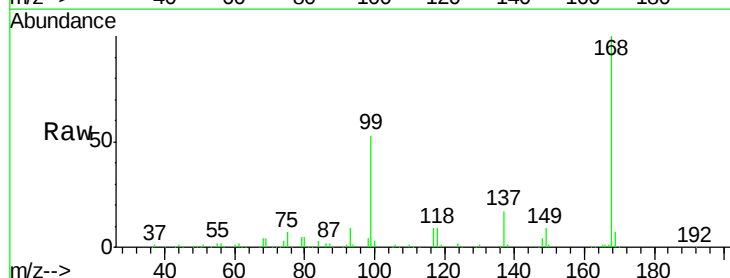
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#08

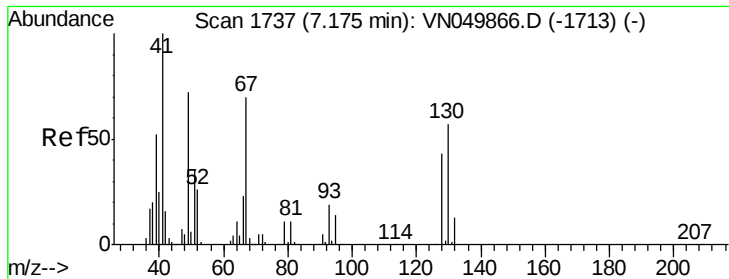
Tot Ion: 43 Resp: 39647
Ion Ratio Lower Upper
43 100
61 0.7 11.7 17.5#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.46 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

Tgt Ion: 117 Resp: 49878
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 25.0 37.6#

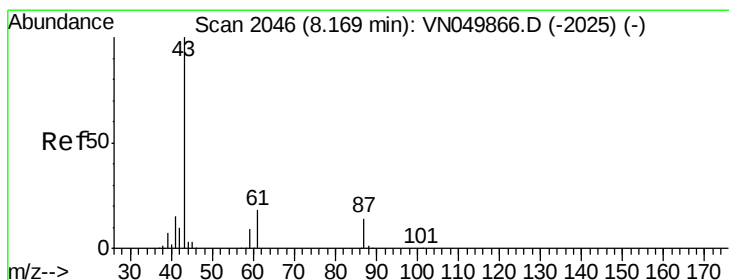
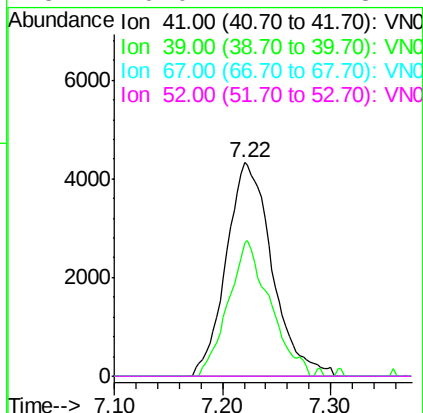
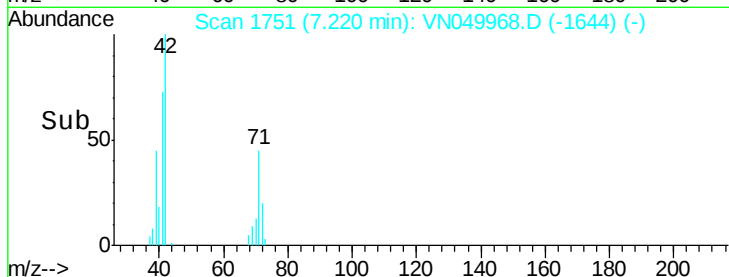
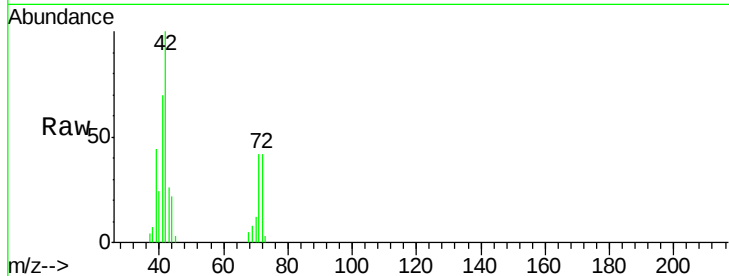




#41
Methacrylonitrile
Concen: 3.56 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.05 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

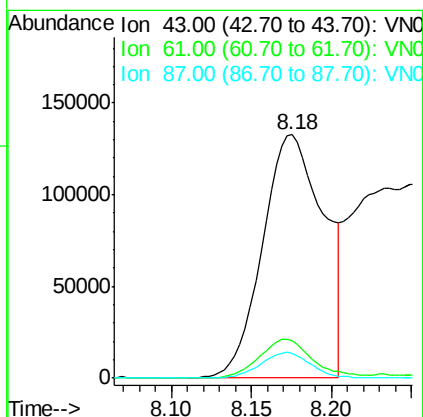
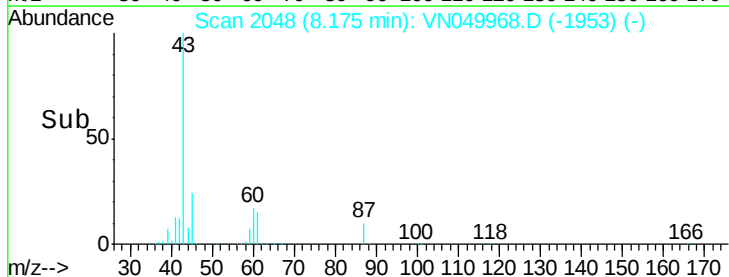
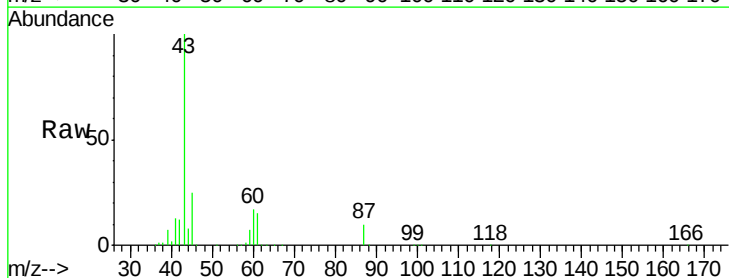
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#08

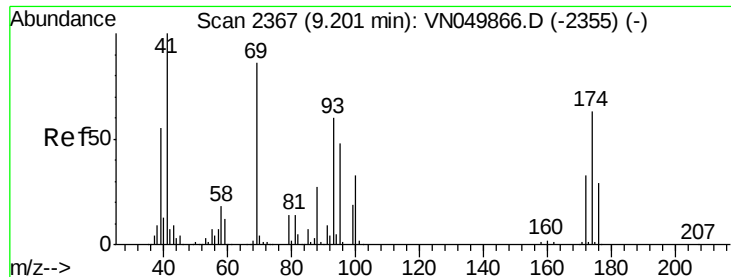
Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	45.4	68.2
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#



#43
Isopropyl Acetate
Concen: 28.12 ug/l
RT: 8.18 min Scan# 2048
Delta R.T. 0.01 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	14.9	22.3#
87	8.6	10.0	15.0#

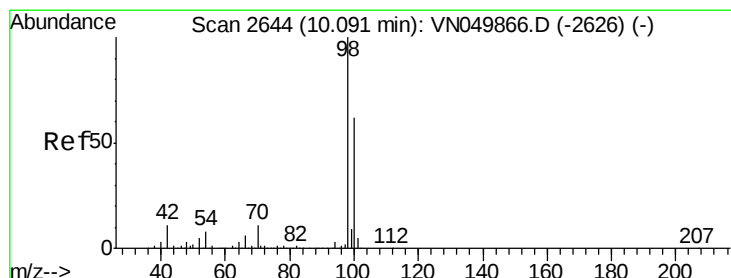
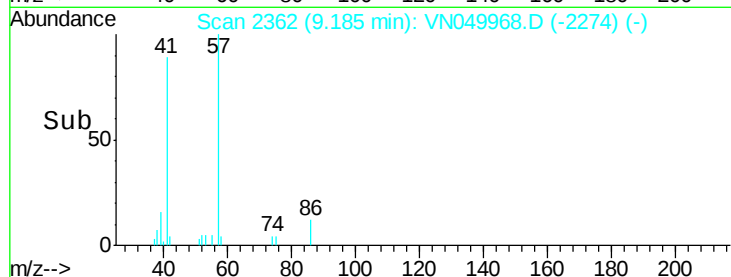
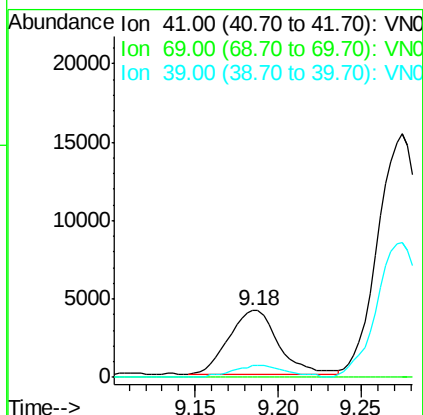
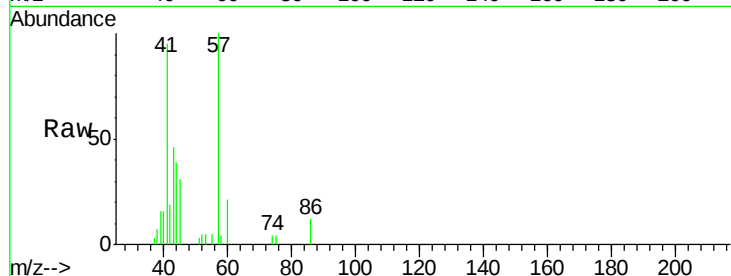




#48
Methvl methacrylate
Concen: 1.35 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

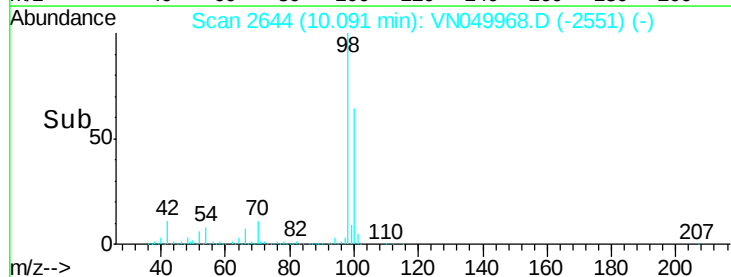
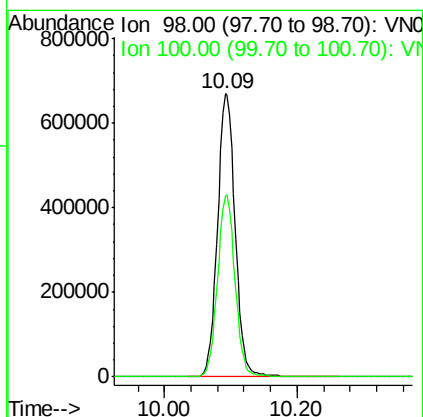
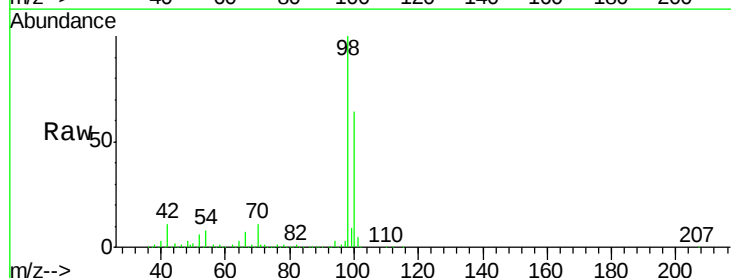
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#08

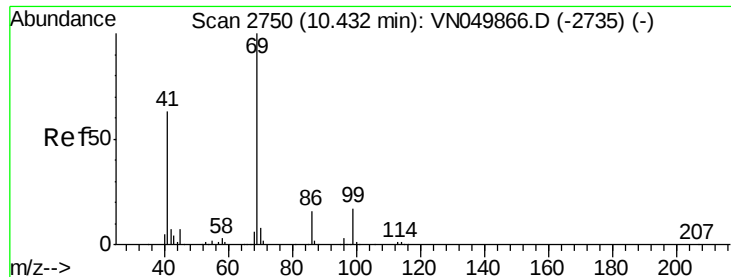
Tot Ion: 41 Resp: 8473
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 20.2 44.7 67.1#



#50
Toluene-d8
Concen: 43.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

Tgt Ion: 98 Resp: 1236785
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5





#56

Ethyl methacrylate

Concen: 2.42 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.21 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#08

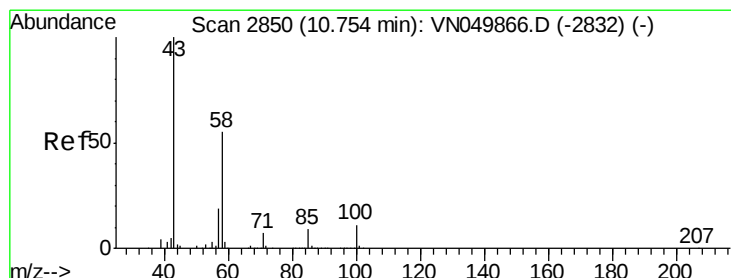
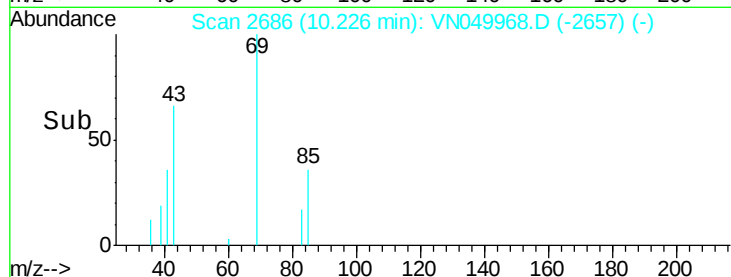
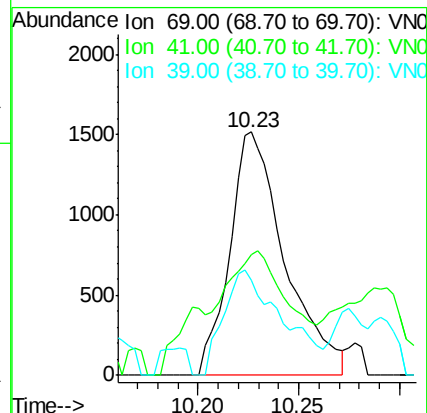
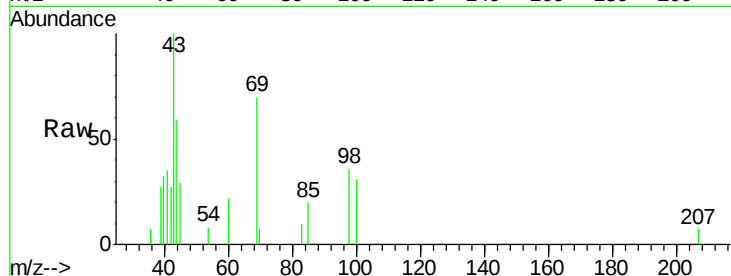
Tot Ion: 69 Resp: 2895

Ion Ratio Lower Upper

69 100

41 58.5 51.6 77.4

39 46.3 25.8 38.8#



#59

2-Hexanone

Concen: 4.49 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049968.D

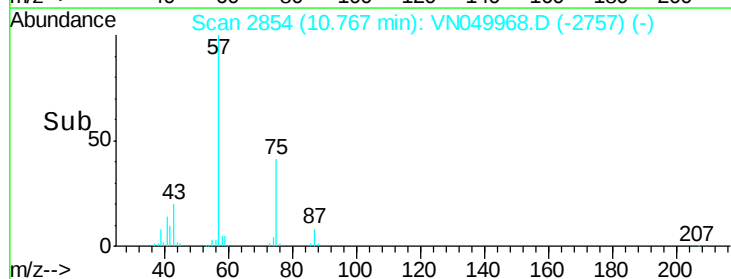
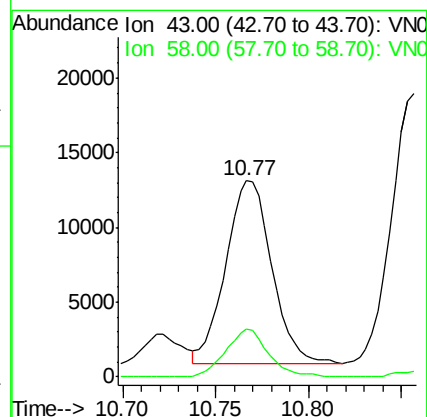
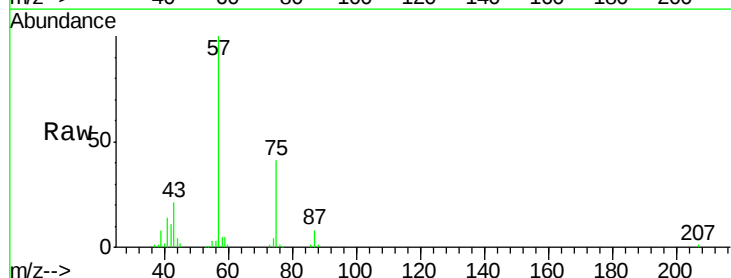
Acq: 20 Jul 2018 17:39

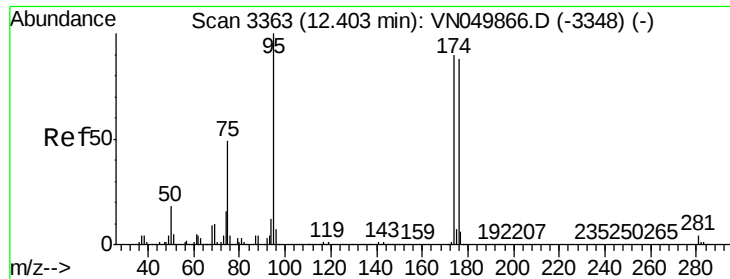
Tgt Ion: 43 Resp: 21112

Ion Ratio Lower Upper

43 100

58 24.2 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 34.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#08

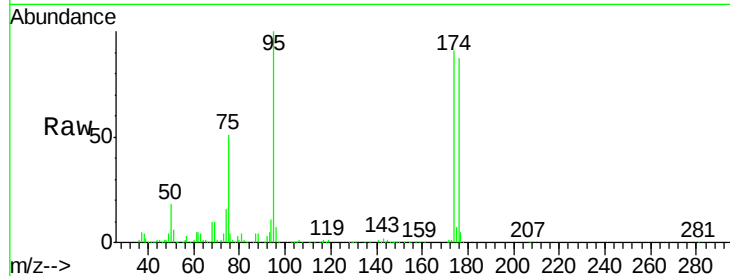
Tot Ion: 95 Resp: 345578

Ion Ratio Lower Upper

95 100

174 90.6 0.0 179.6

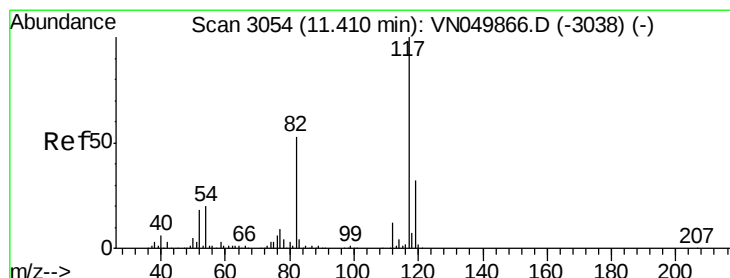
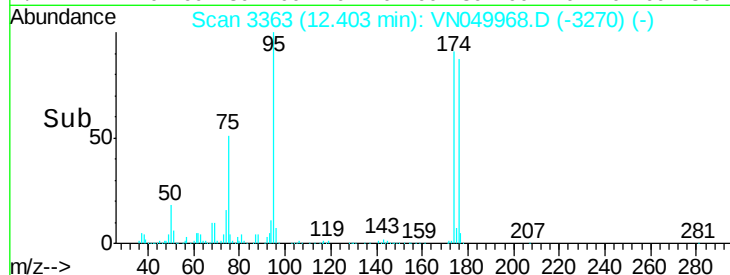
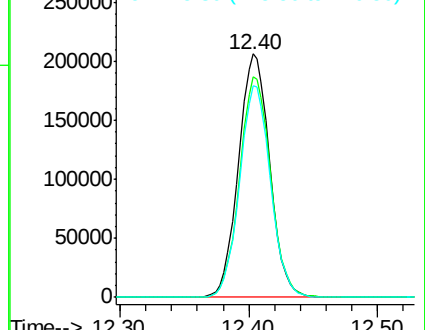
176 86.5 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

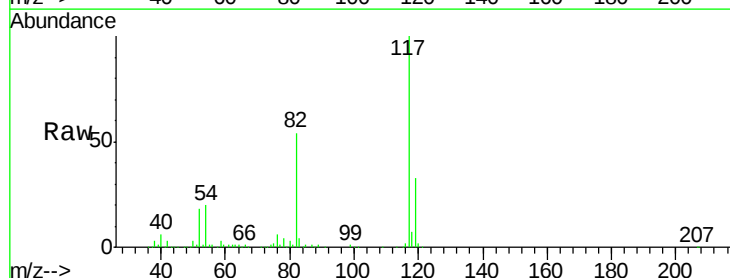
Tgt Ion: 117 Resp: 789153

Ion Ratio Lower Upper

117 100

82 53.8 41.9 62.9

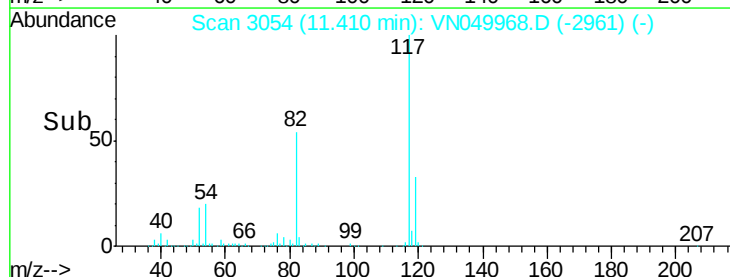
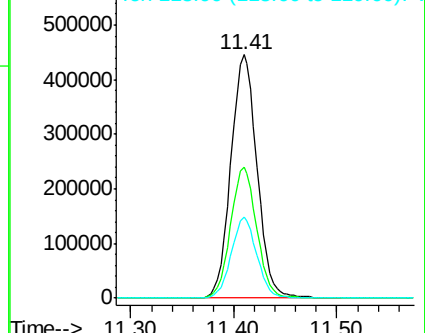
119 33.3 25.4 38.2

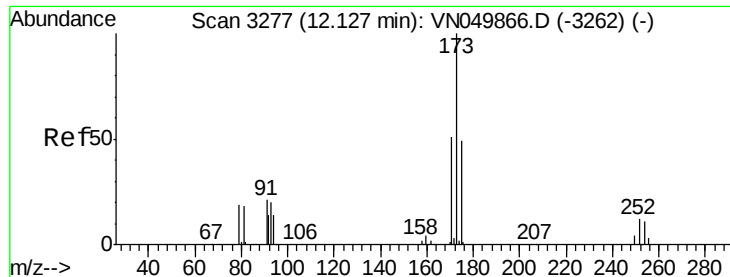


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#08

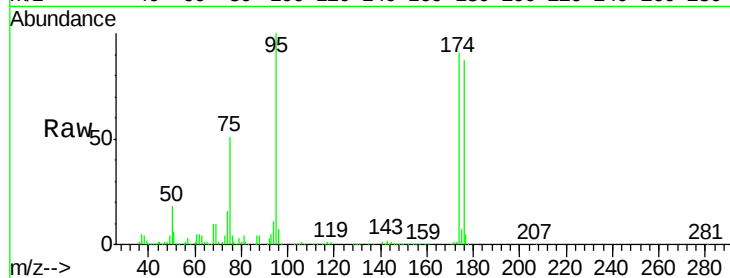
Tot Ion:173 Resp: 3093

Ion Ratio Lower Upper

173 100

175 621.7 24.6 73.8#

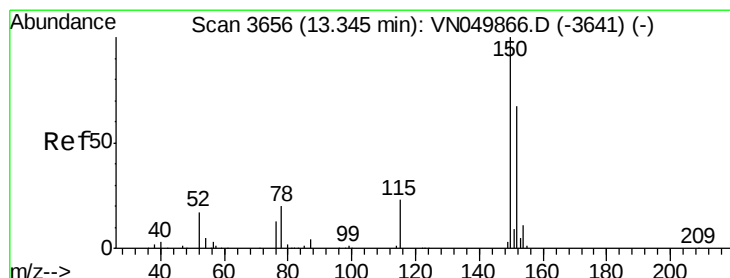
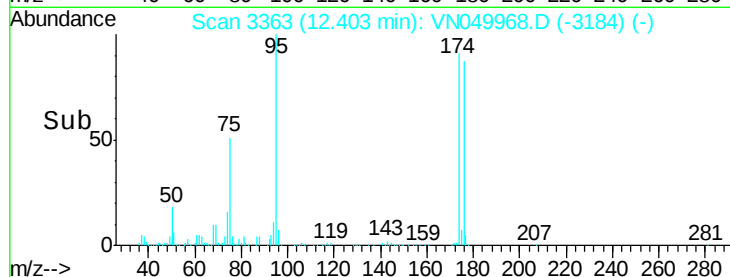
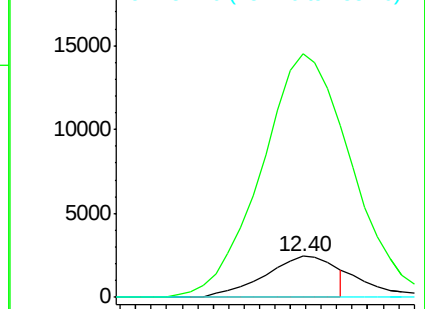
254 0.0 0.2 0.2#



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: VN049968.D

Acq: 20 Jul 2018 17:39

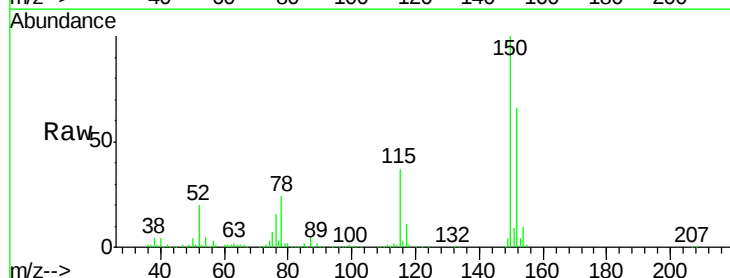
Tgt Ion:152 Resp: 296707

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.2

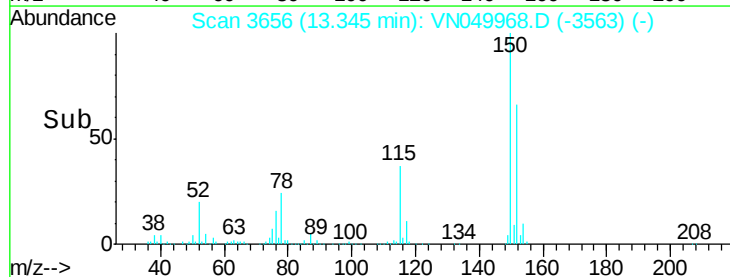
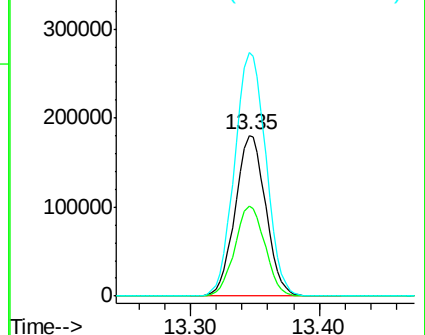
150 155.2 0.0 347.6

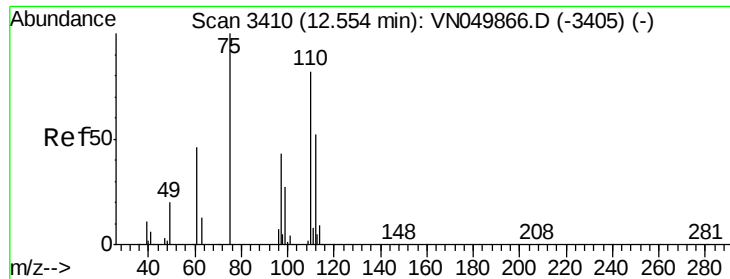


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.81 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

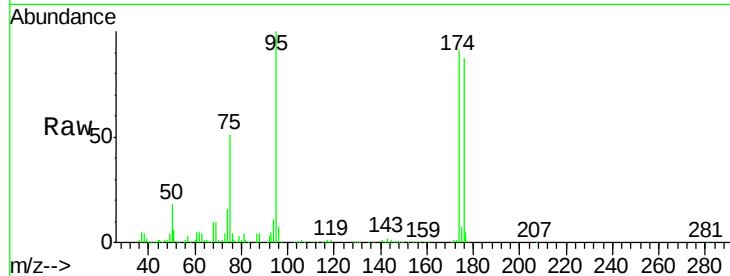
PB111289ZHE#08

Tot Ion: 75 Resp: 171463

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049968.D (-3363) (-)

Ion 77.00 (76.70 to 77.70): VN049968.D (-3363) (-)

12.40

120000

100000

80000

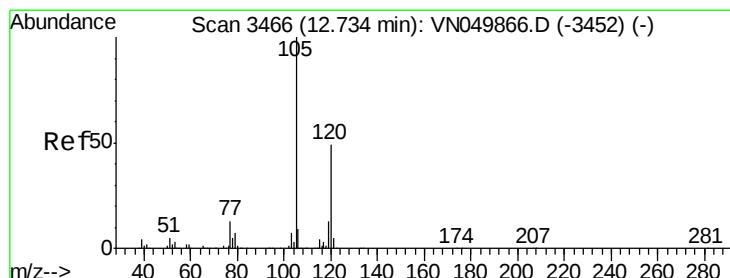
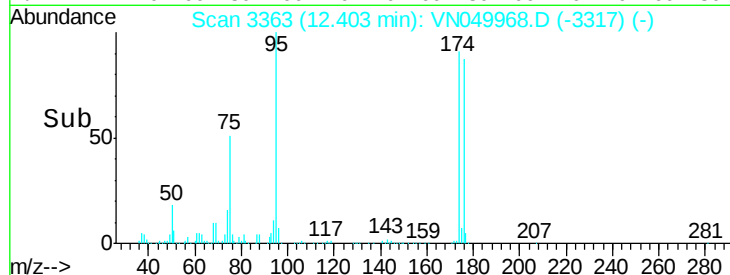
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#80

1,3,5-Trimethylbenzene

Concen: 0.24 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049968.D

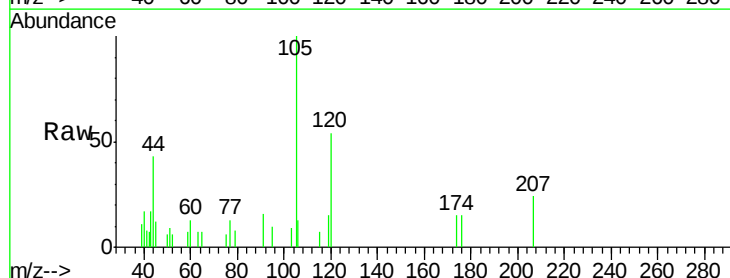
Acq: 20 Jul 2018 17:39

Tgt Ion: 105 Resp: 4396

Ion Ratio Lower Upper

105 100

120 51.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049968.D (-3466) (-)

Ion 120.00 (119.70 to 120.70): VN049968.D (-3466) (-)

12.74

3000

2500

2000

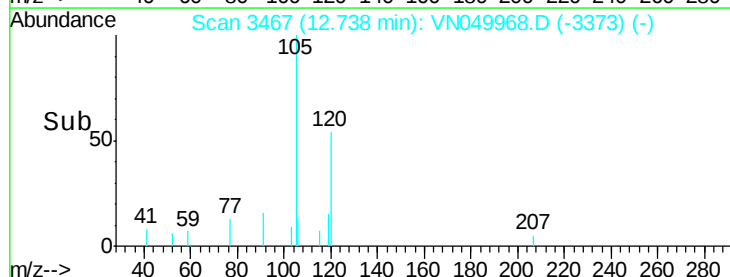
1500

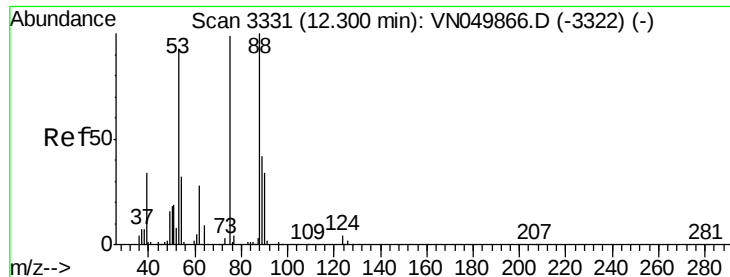
1000

500

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 96.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#08

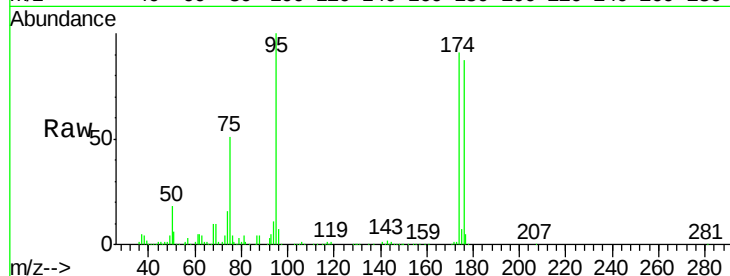
Tot Ion: 75 Resp: 171463

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

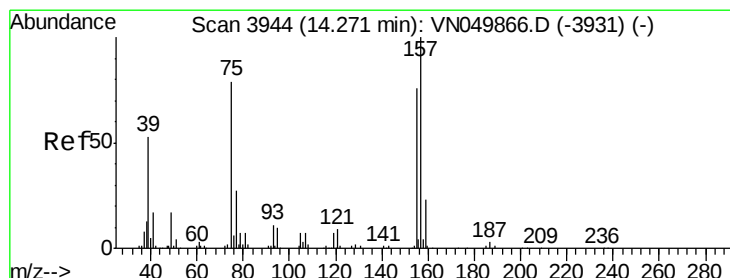
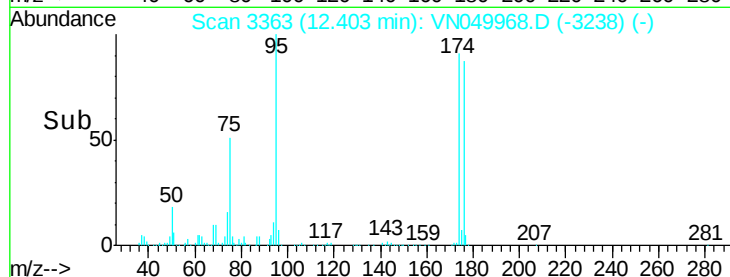
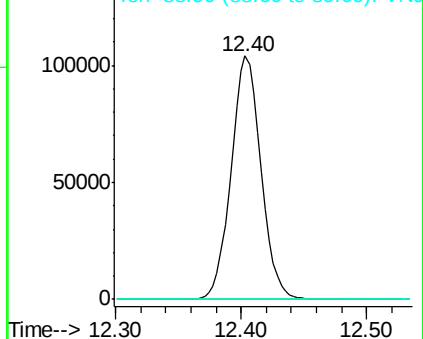
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.34 ug/l

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN049968.D

Acq: 20 Jul 2018 17:39

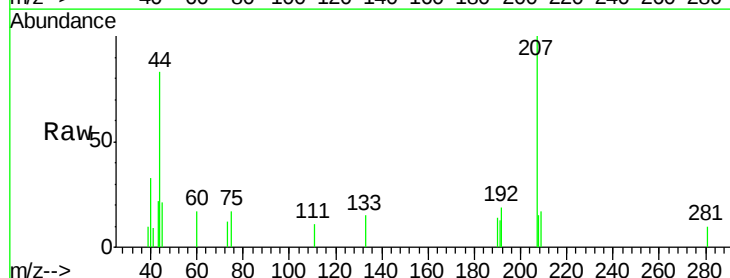
Tgt Ion: 75 Resp: 354

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

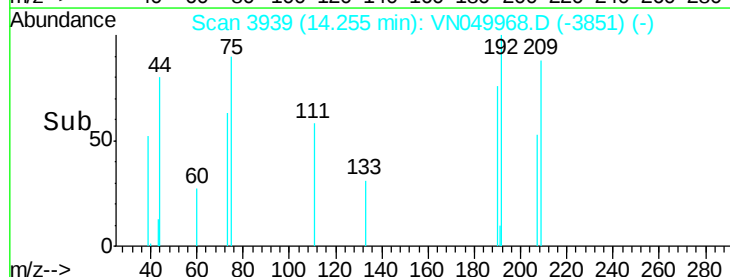
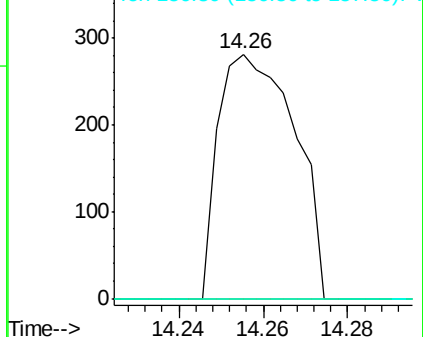
157 0.0 56.9 170.7#

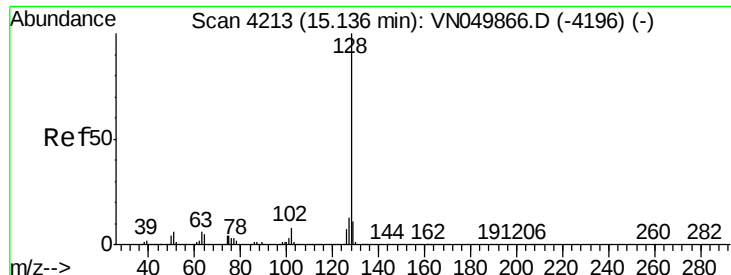


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 4.52 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049968.D
Acq: 20 Jul 2018 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#08

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

