

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049954.D
 Acq On : 20 Jul 2018 8:25
 Operator : MD\SY
 Sample : J4016-24
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB5-L-12-7

Quant Time: Jul 20 09:03:49 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	532636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	906341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	394516	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	7.59	113	347255	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
50) Toluene-d8	10.09	98	1221525	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
62) 4-Bromofluorobenzene	12.40	95	329907	34.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.10%	

Target Compounds

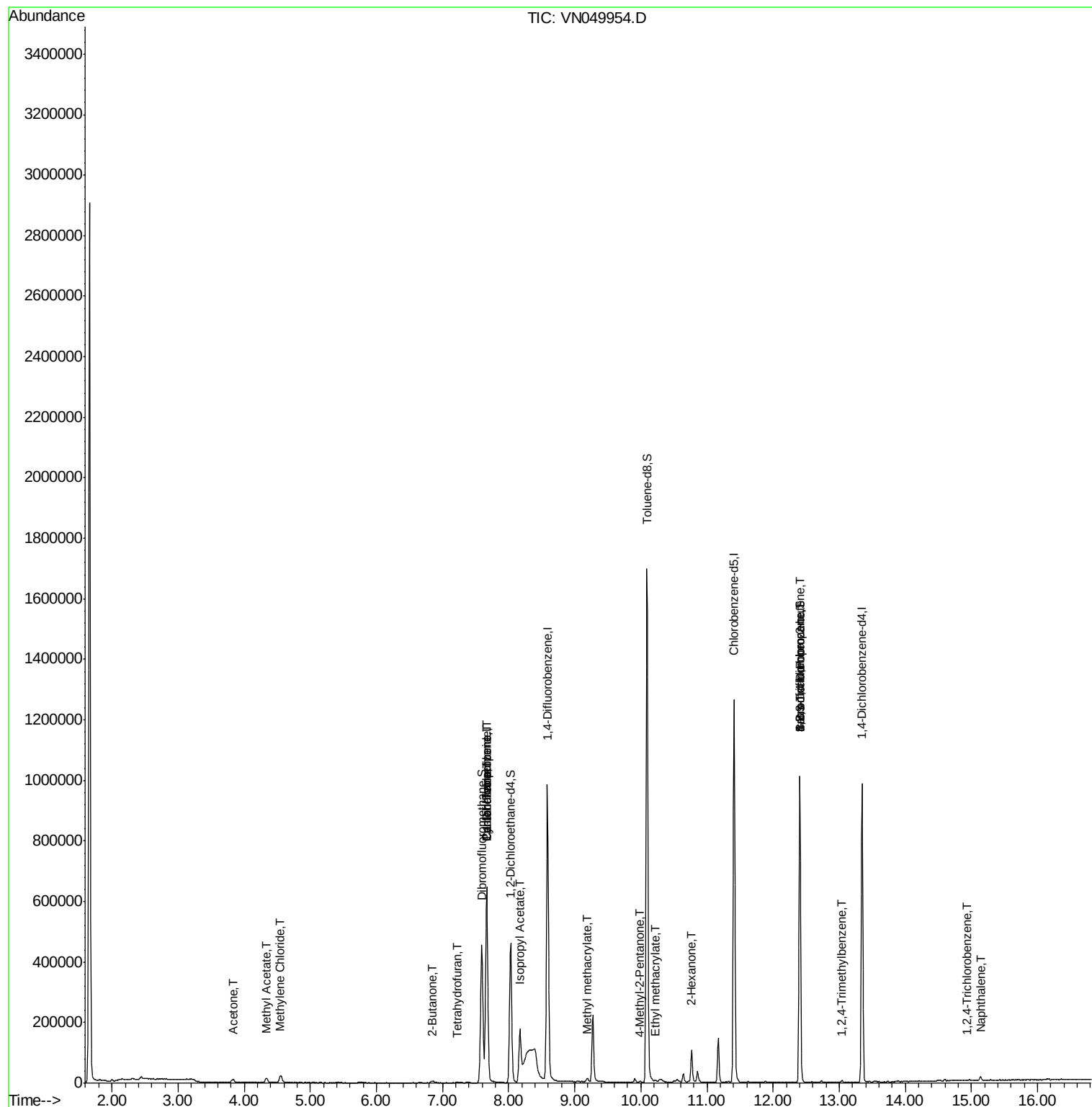
						Qvalue
5) Bromomethane	2.57	94	258	Below Cal	#	37
16) Acetone	3.82	43	20624	10.88	ug/l	90
18) Methyl Acetate	4.34	43	27836	3.91	ug/l	96
20) Methylene Chloride	4.55	84	17329	2.40	ug/l	98
25) 2-Butanone	6.85	43	4607	1.70	ug/l	96
29) Tetrahydrofuran	7.23	42	1628	0.95	ug/l #	60
31) Cyclohexane	7.67	56	10161	1.04	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38618	3.83	ug/l #	49
38) Carbon Tetrachloride	7.67	117	49151	4.55	ug/l #	16
43) Isopropyl Acetate	8.17	43	213800	17.68	ug/l	98
48) Methyl methacrylate	9.18	41	6997	1.15	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2506	0.37	ug/l #	84
56) Ethyl methacrylate	10.23	69	1653	2.31	ug/l #	75
59) 2-Hexanone	10.77	43	15124	3.33	ug/l #	57
71) Bromoform	12.40	173	3008	0.57	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	163469	31.54	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	163469	98.63	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	3818	0.22	ug/l	98
93) 1,2,4-Trichlorobenzene	14.93	180	65	3.49	ug/l #	13
95) Naphthalene	15.14	128	10878	5.25	ug/l	97

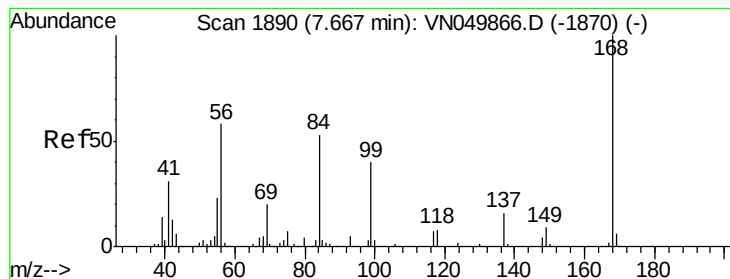
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN049954.D

Acq: 20 Jul 2018 8:25

Instrument :

MSVOA_N

ClientSampled :

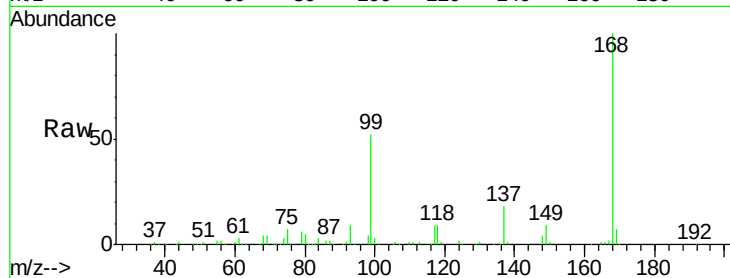
SB5-L-12-7

Tot Ion:168 Resp: 532636

Ion Ratio Lower Upper

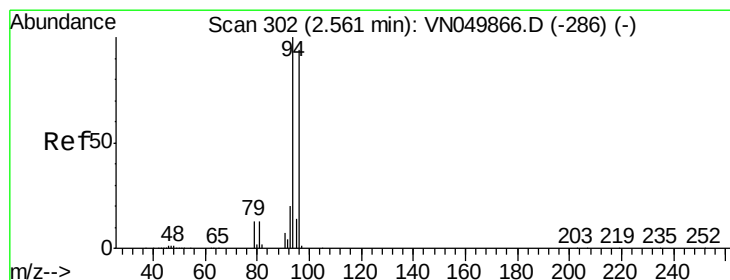
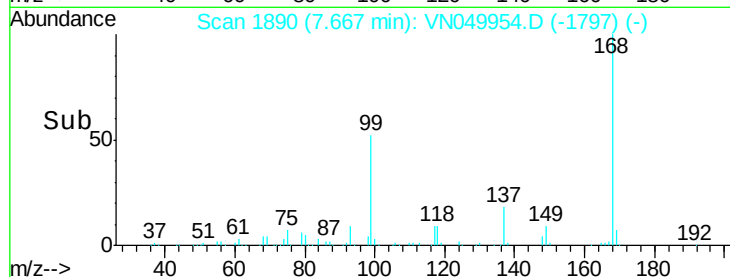
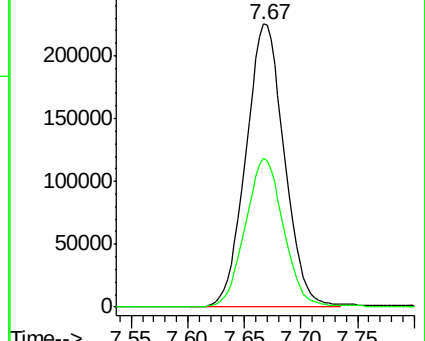
168 100

99 52.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049954.D

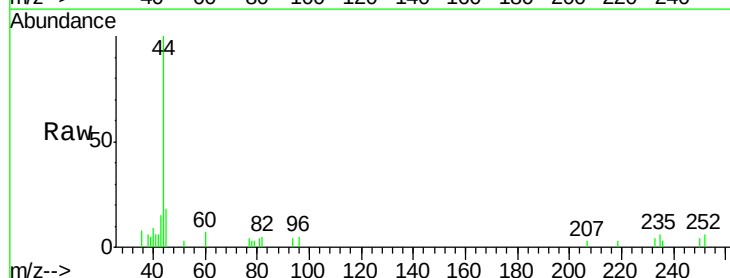
Acq: 20 Jul 2018 8:25

Tgt Ion: 94 Resp: 258

Ion Ratio Lower Upper

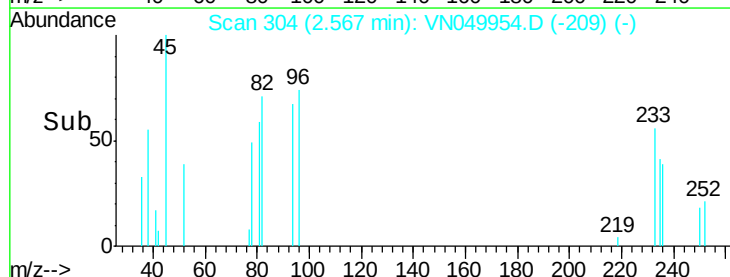
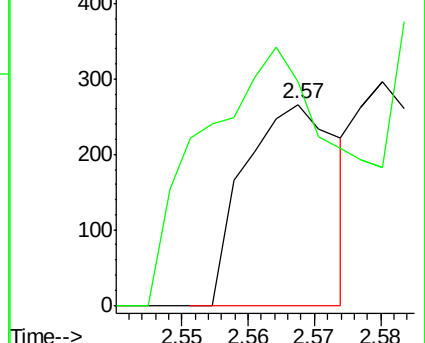
94 100

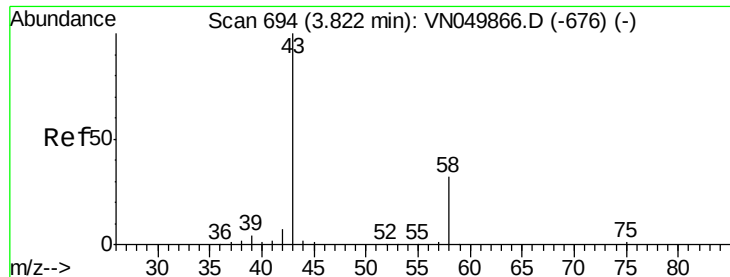
96 33.1 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#16

Acetone

Concen: 10.88 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049954.D

Acq: 20 Jul 2018 8:25

Instrument :

MSVOA_N

ClientSampleId :

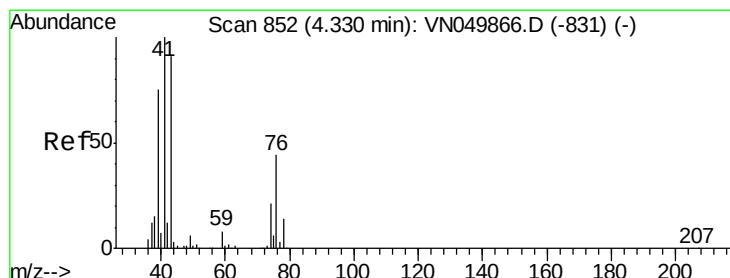
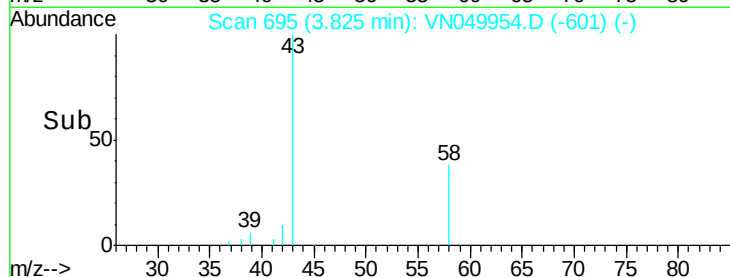
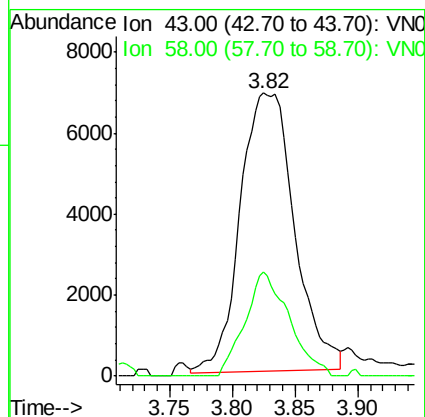
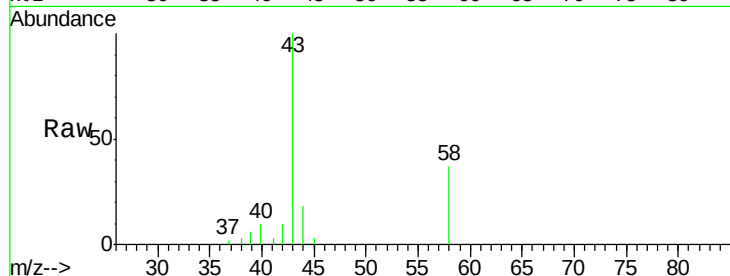
SB5-L-12-7

Tot Ion: 43 Resp: 20624

Ion Ratio Lower Upper

43 100

58 37.8 25.9 38.9



#18

Methyl Acetate

Concen: 3.91 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN049954.D

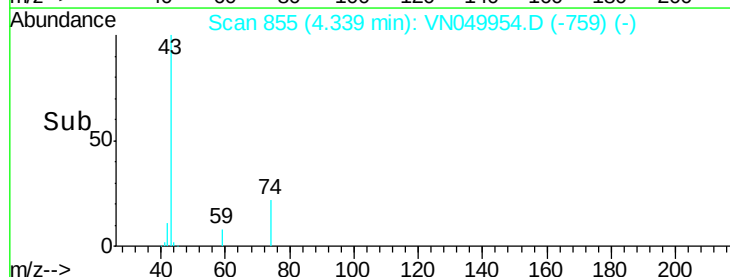
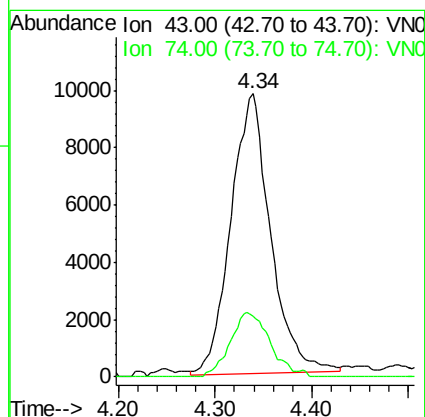
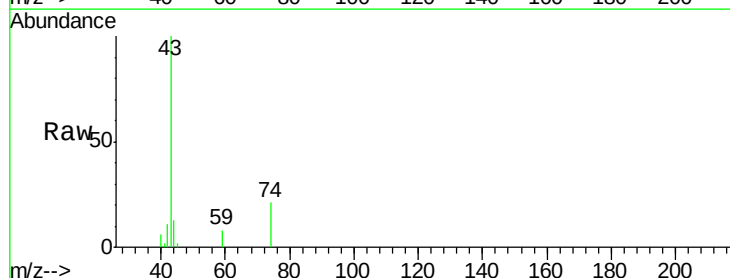
Acq: 20 Jul 2018 8:25

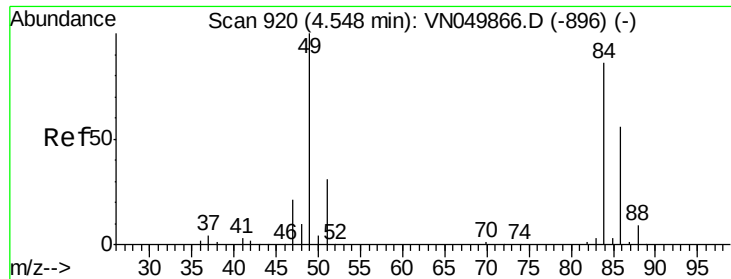
Tgt Ion: 43 Resp: 27836

Ion Ratio Lower Upper

43 100

74 22.8 19.8 29.8

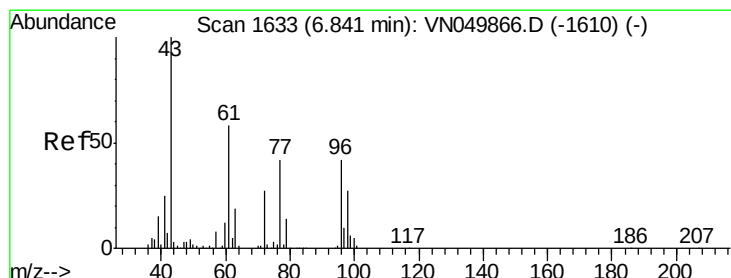
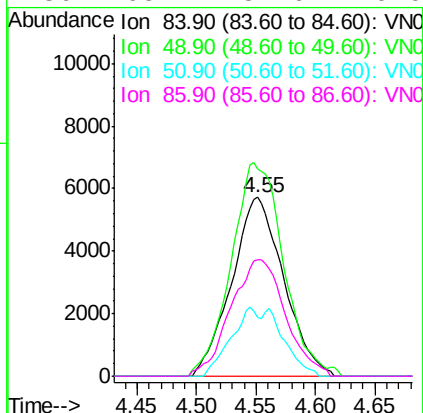
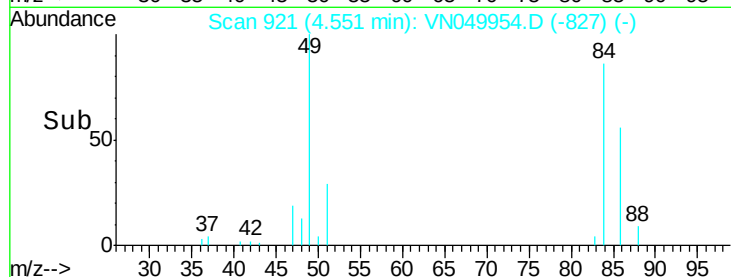
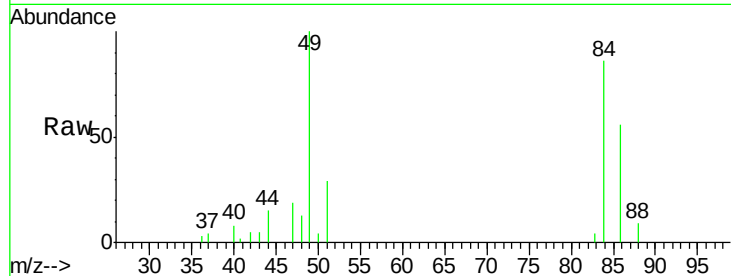




#20
Methvlene Chloride
Concen: 2.40 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

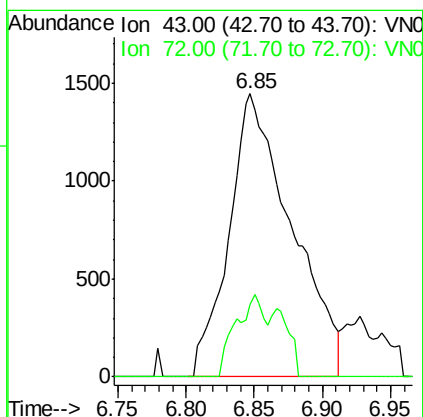
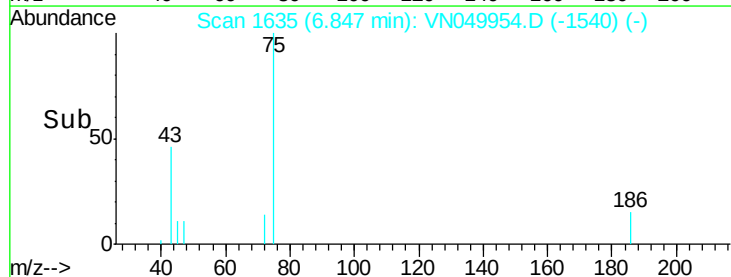
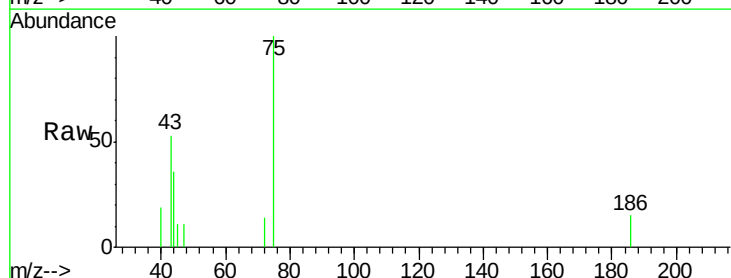
Instrument :
MSVOA_N
ClientSampled :
SB5-L-12-7

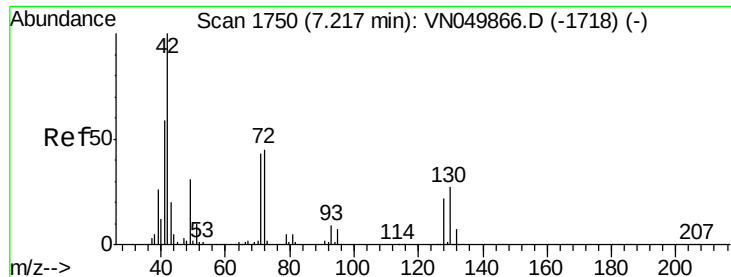
Tot Ion:	84	Resp:	17329
Ion	Ratio	Lower	Upper
84	100		
49	115.9	95.4	143.2
51	33.1	28.4	42.6
86	65.4	52.6	79.0



#25
2-Butanone
Concen: 1.70 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

Tgt Ion:	43	Resp:	4607
Ion	Ratio	Lower	Upper
43	100		
72	25.7	22.1	33.1

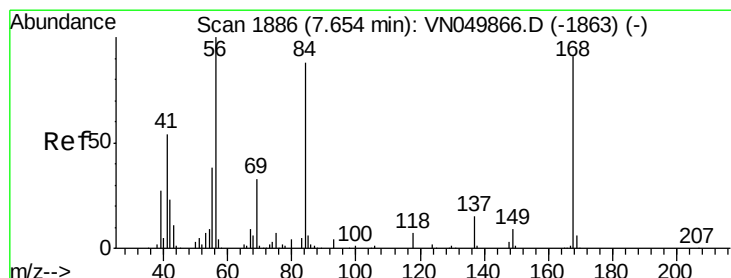
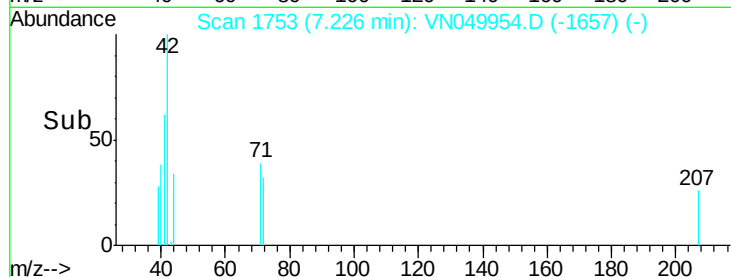
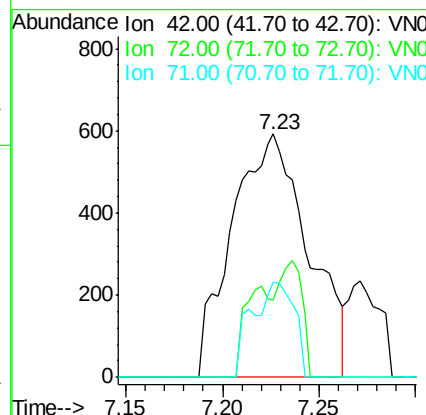
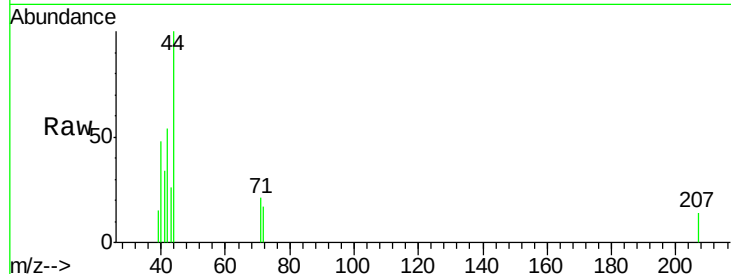




#29
Tetrahydrofuran
Concen: 0.95 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

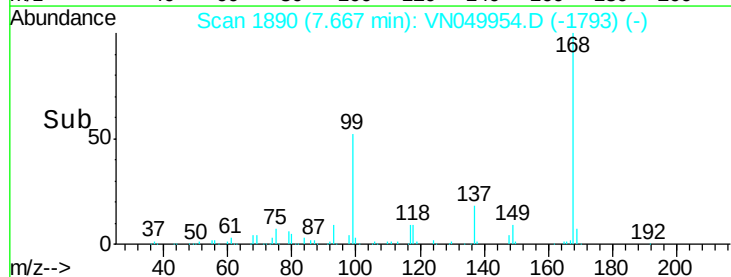
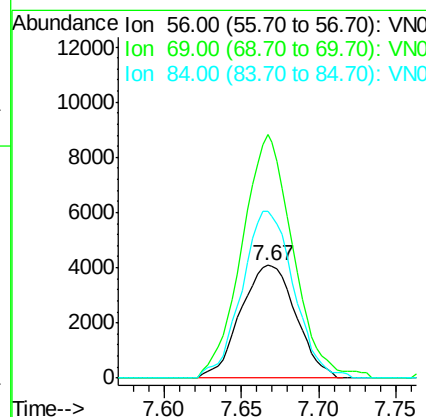
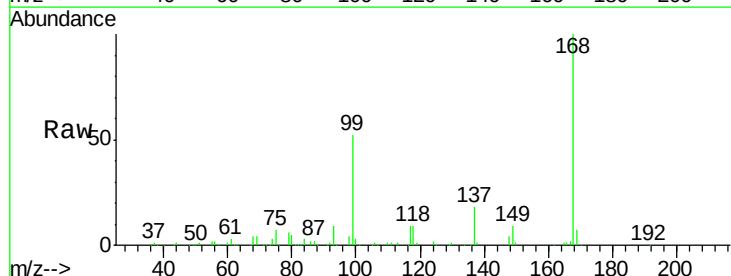
Instrument :
MSVOA_N
ClientSampleId :
SB5-L-12-7

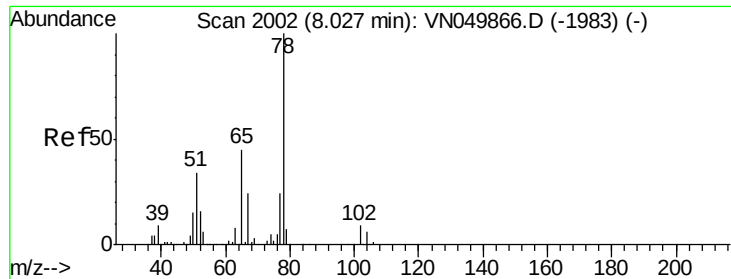
Tot Ion: 42 Resp: 1628
Ion Ratio Lower Upper
42 100
72 13.8 35.6 53.4#
71 21.6 34.0 51.0#



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

Tgt Ion: 56 Resp: 10161
Ion Ratio Lower Upper
56 100
69 215.9 26.6 40.0#
84 148.3 69.0 103.6#

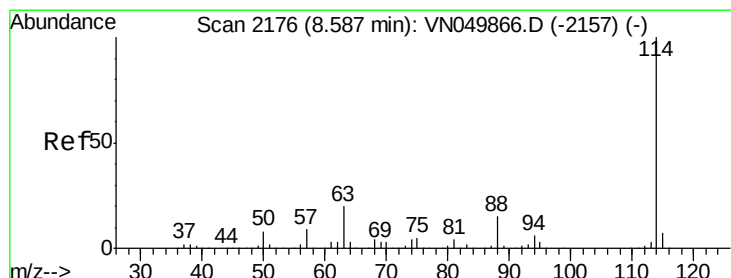
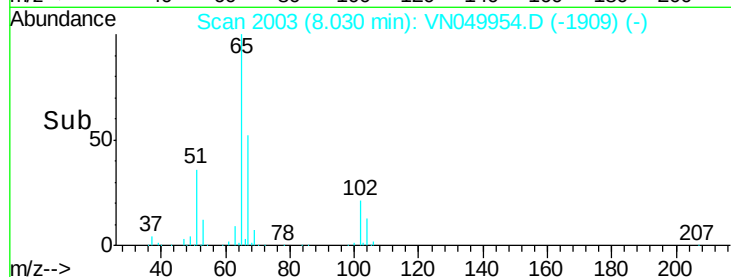
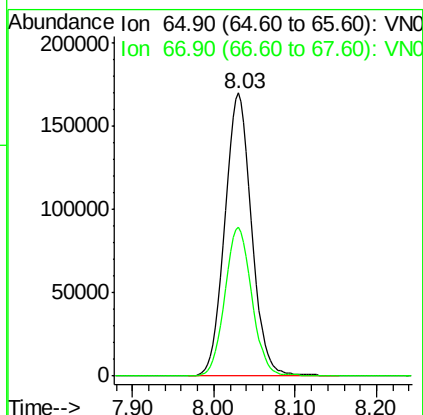
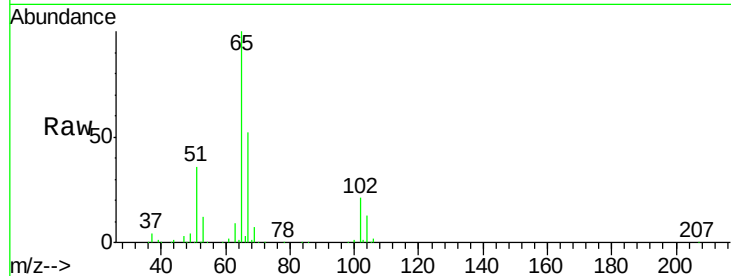




#33
 1,2-Dichloroethane-d4
 Concen: 53.89 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049954.D
 Acq: 20 Jul 2018 8:25

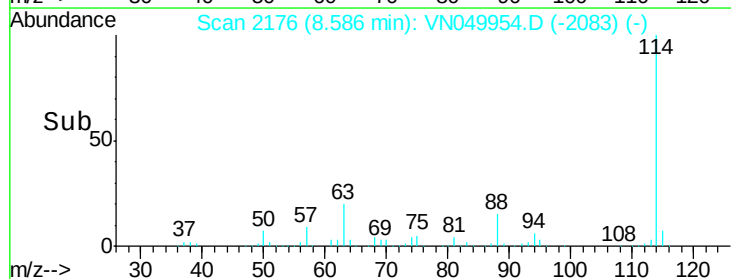
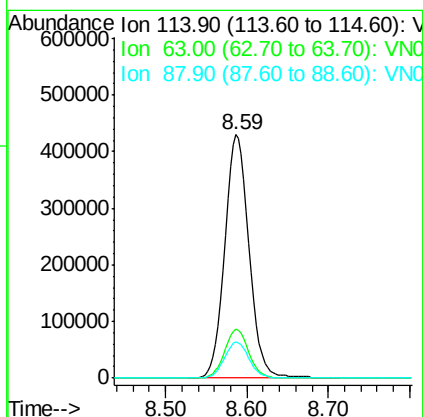
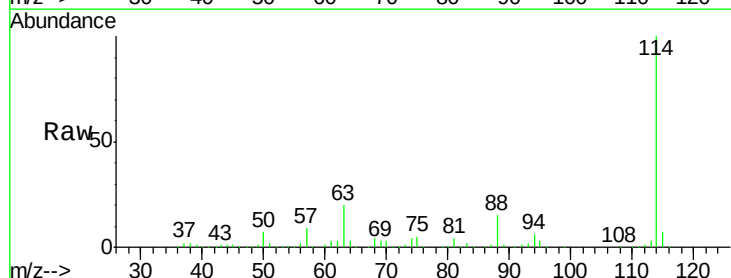
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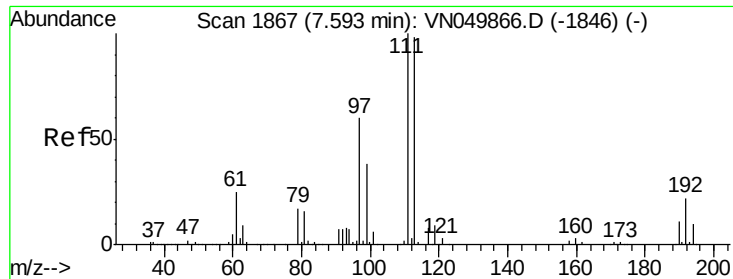
Tot Ion: 65 Resp: 394516
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049954.D
 Acq: 20 Jul 2018 8:25

Tgt Ion: 114 Resp: 906341
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 14.7 0.0 30.6

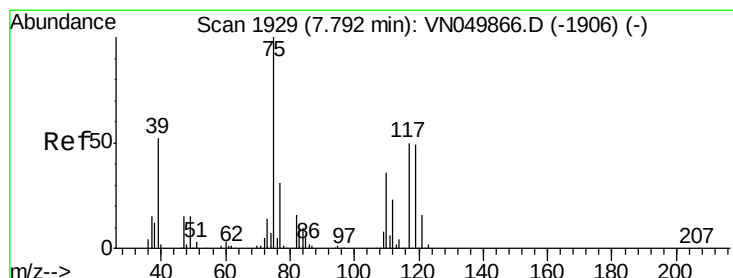
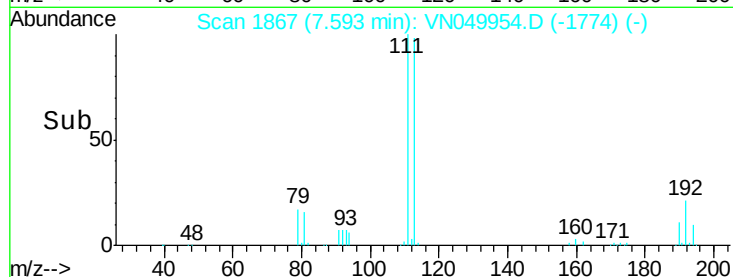
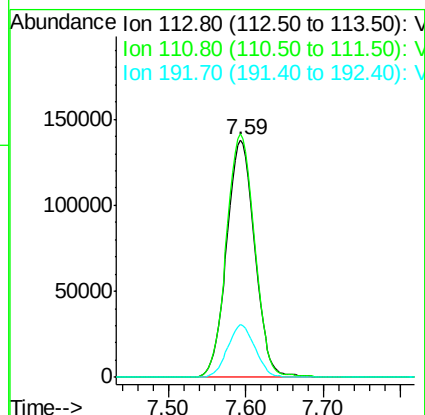
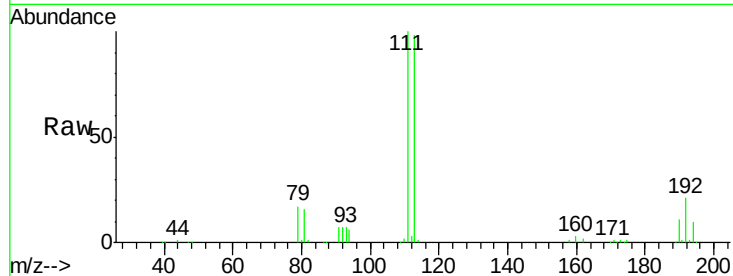




#35
 Dibromofluoromethane
 Concen: 45.64 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049954.D
 Acq: 20 Jul 2018 8:25

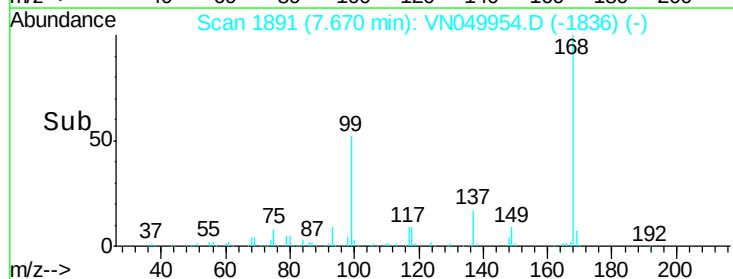
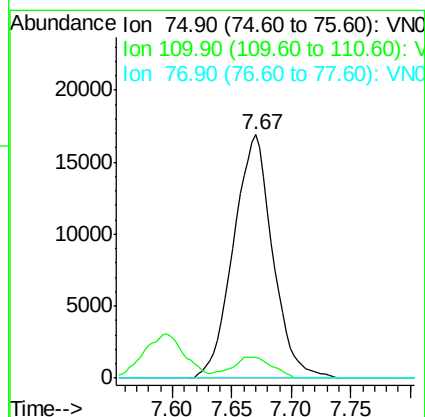
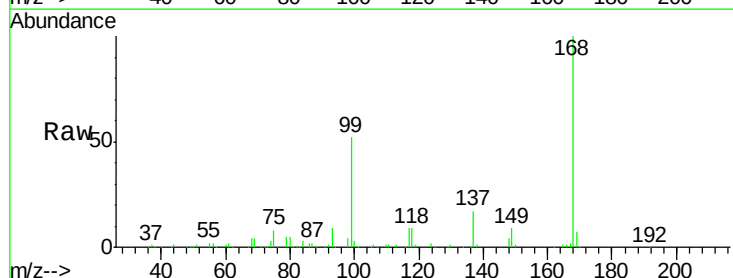
Instrument :
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 SB5-L-12-7

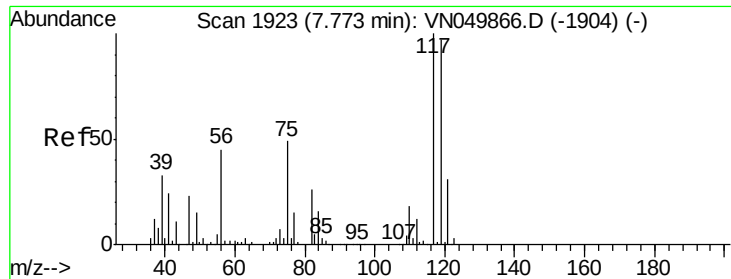
Tot Ion:113 Resp: 347255
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.8 122.8
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049954.D
 Acq: 20 Jul 2018 8:25

Tgt Ion: 75 Resp: 38618
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.4#
 77 0.0 24.9 37.3#

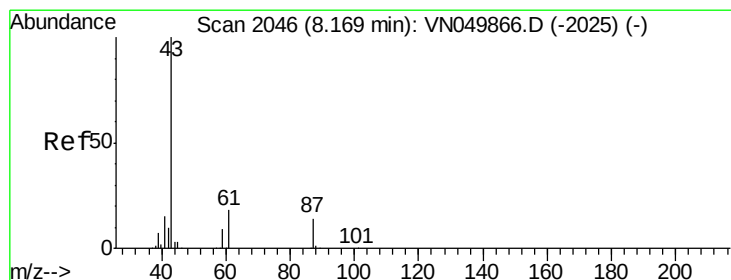
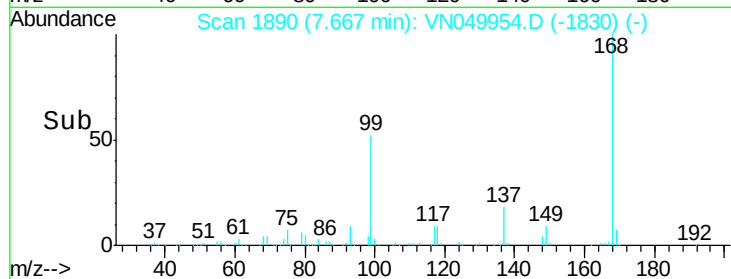
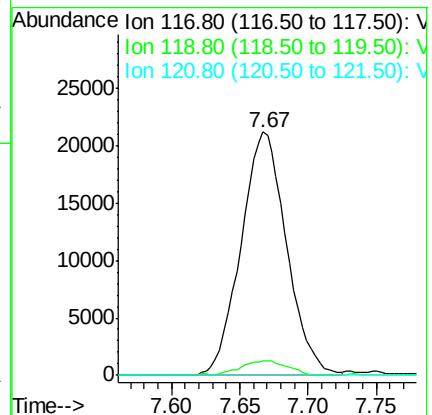
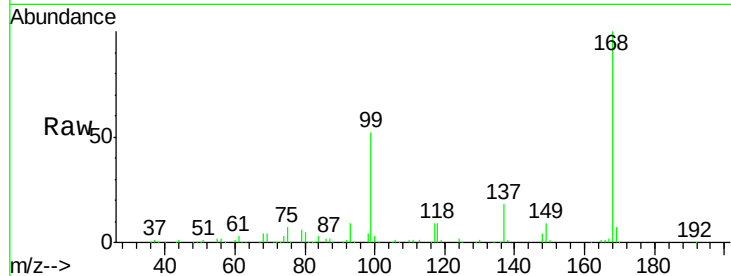




#38
Carbon Tetrachloride
Concen: 4.55 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

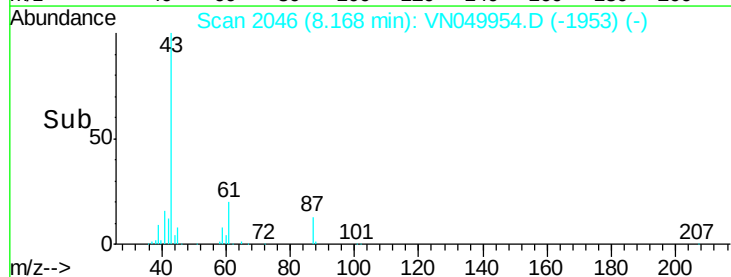
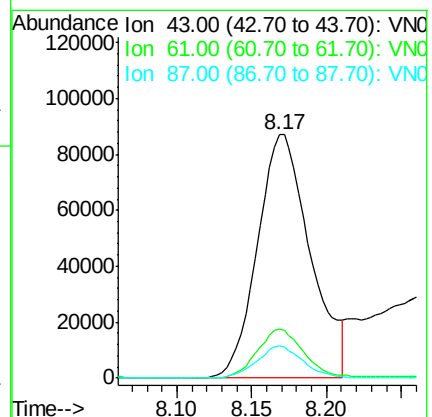
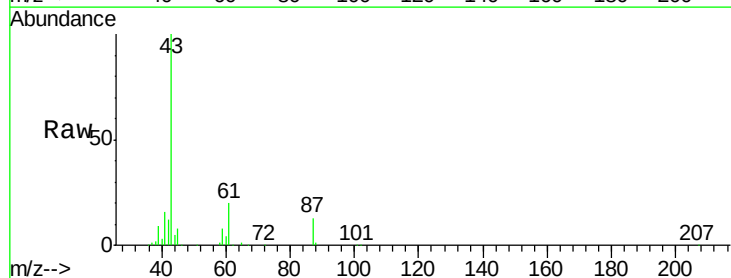
Instrument :
MSVOA_N
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SB5-L-12-7

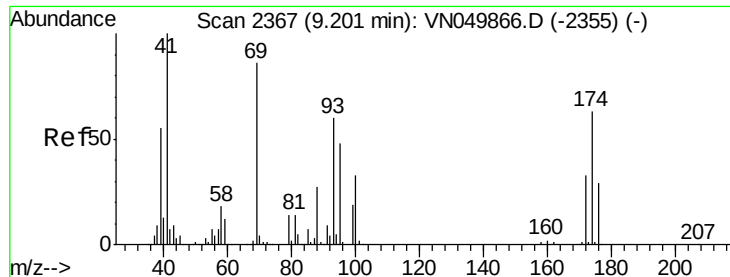
Tot Ion:117 Resp: 49151
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 17.68 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

Tgt Ion: 43 Resp: 213800
Ion Ratio Lower Upper
43 100
61 18.1 14.9 22.3
87 11.5 10.0 15.0

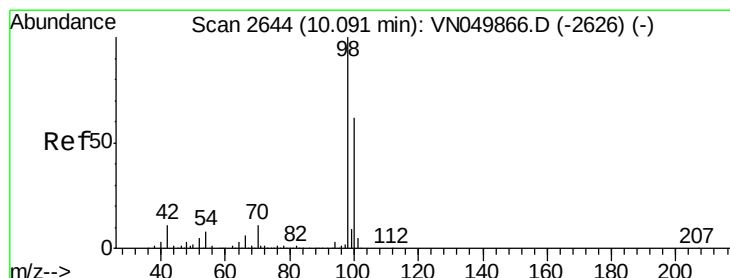
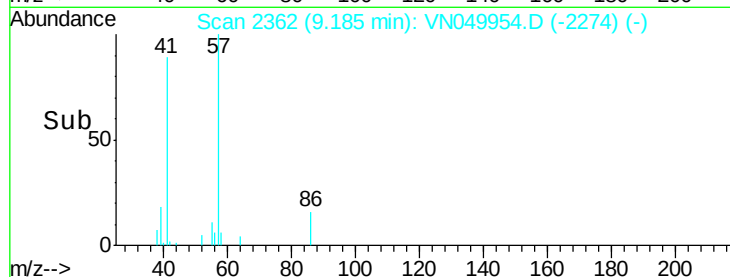
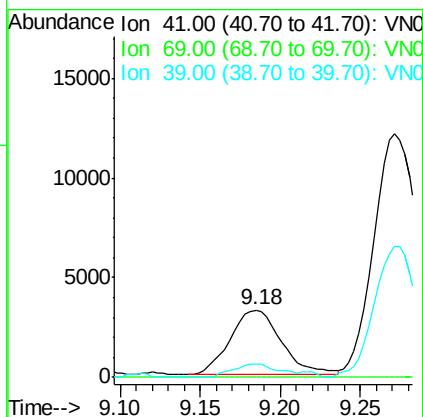
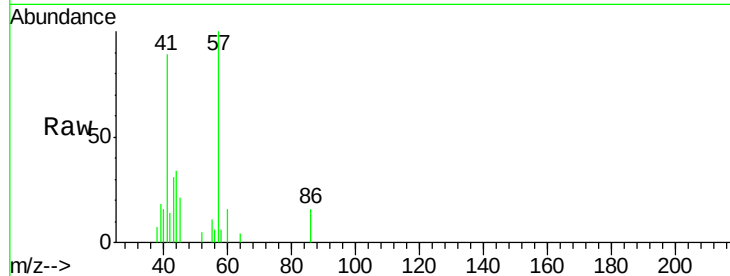




#48
Methvl methacrylate
Concen: 1.15 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

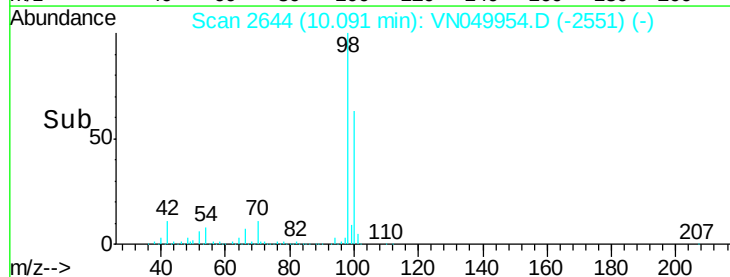
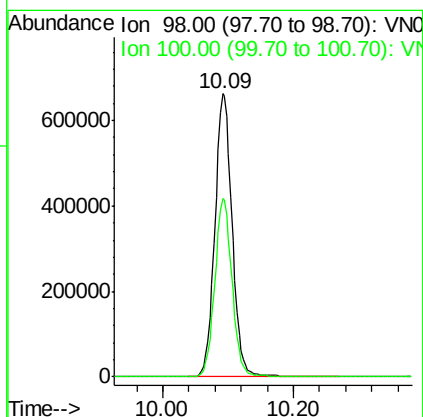
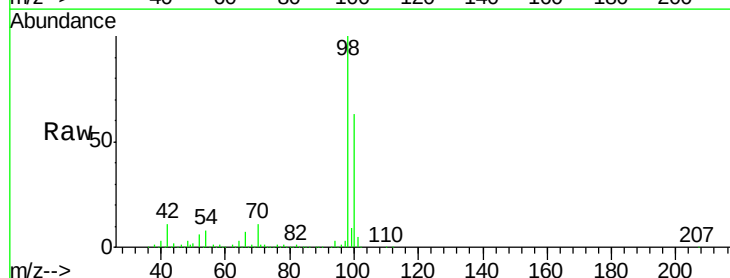
Instrument :
MSVOA_N
ClientSampled :
SB5-L-12-7

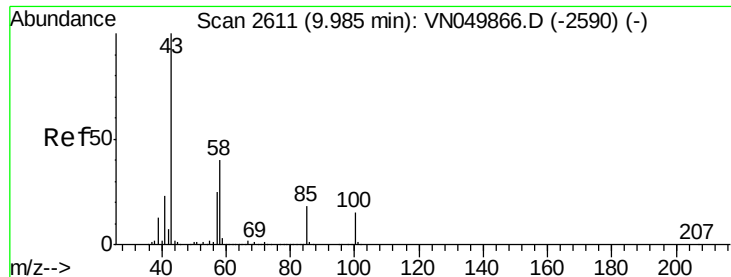
Tot Ion: 41 Resp: 6997
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 18.9 44.7 67.1#



#50
Toluene-d8
Concen: 44.06 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

Tgt Ion: 98 Resp: 1221525
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.37 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN049954.D

Acq: 20 Jul 2018 8:25

Instrument :

MSVOA_N

ClientSampled :

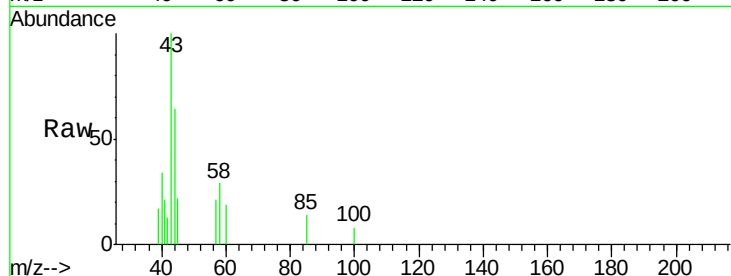
SB5-L-12-7

Tot Ion: 43 Resp: 2506

Ion Ratio Lower Upper

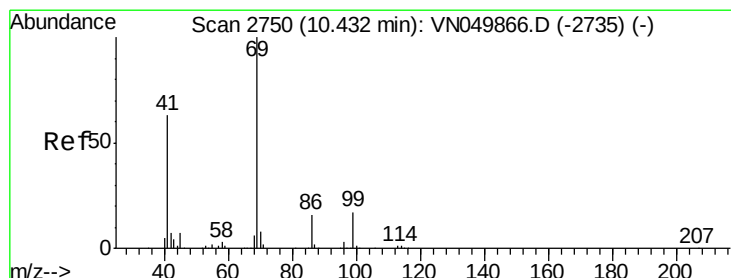
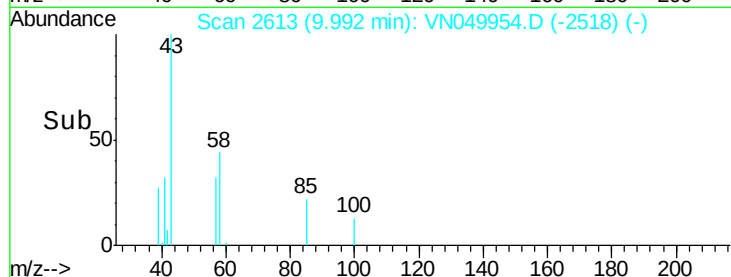
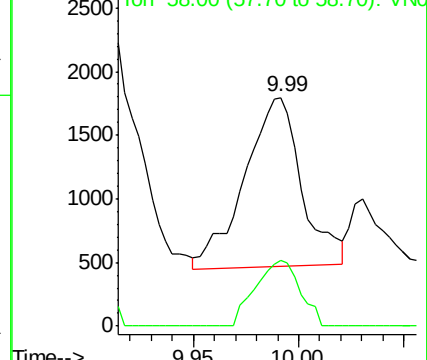
43 100

58 30.0 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 2.31 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.21 min

Lab File: VN049954.D

Acq: 20 Jul 2018 8:25

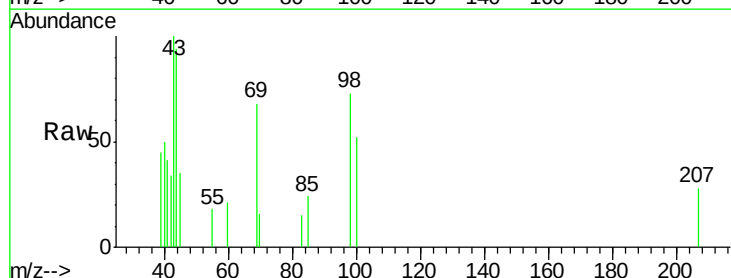
Tgt Ion: 69 Resp: 1653

Ion Ratio Lower Upper

69 100

41 49.1 51.6 77.4#

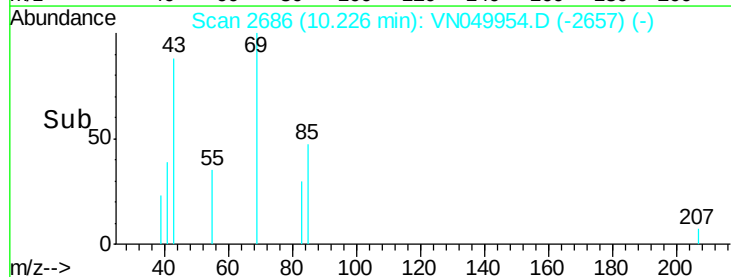
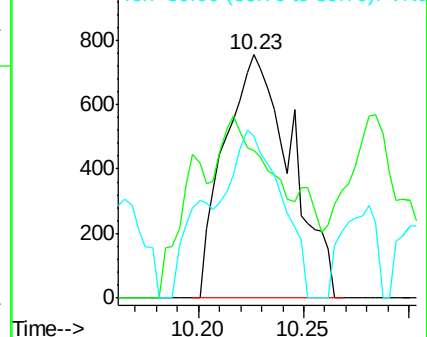
39 51.7 25.8 38.8#

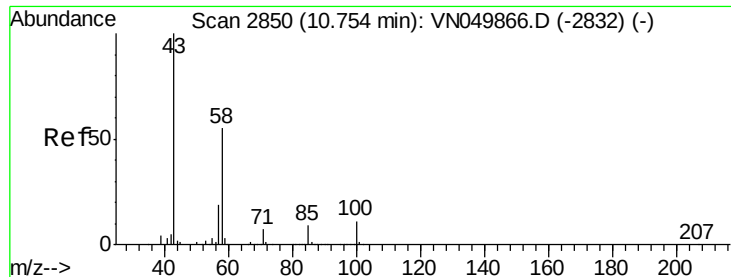


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 3.33 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049954.D

Acq: 20 Jul 2018 8:25

Instrument :

MSVOA_N

ClientSampled :

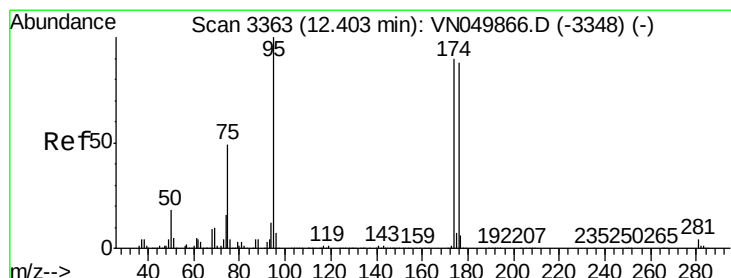
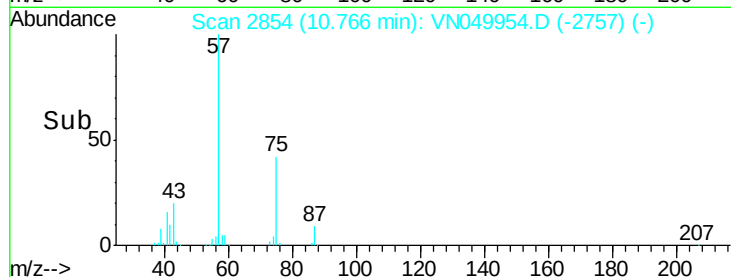
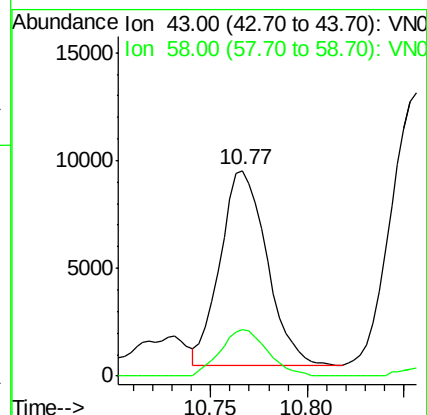
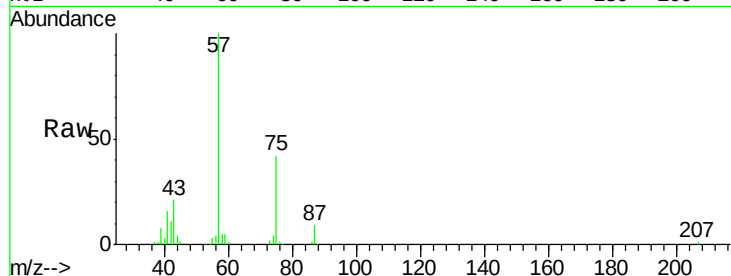
SB5-L-12-7

Tot Ion: 43 Resp: 15124

Ion Ratio Lower Upper

43 100

58 24.3 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.55 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049954.D

Acq: 20 Jul 2018 8:25

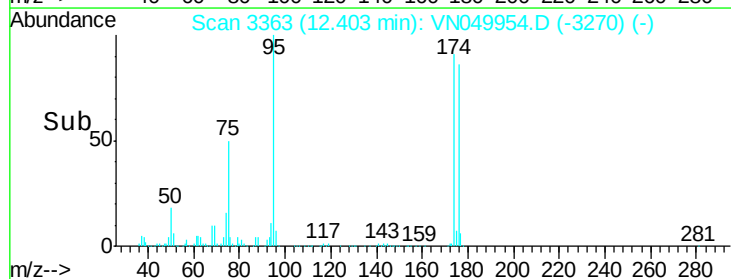
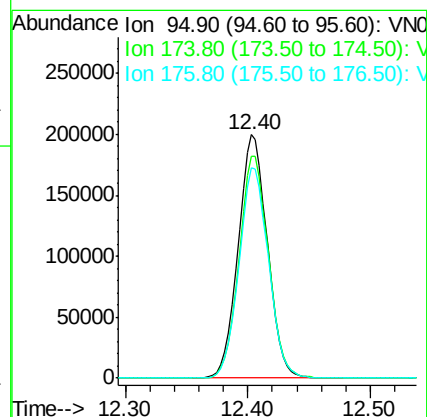
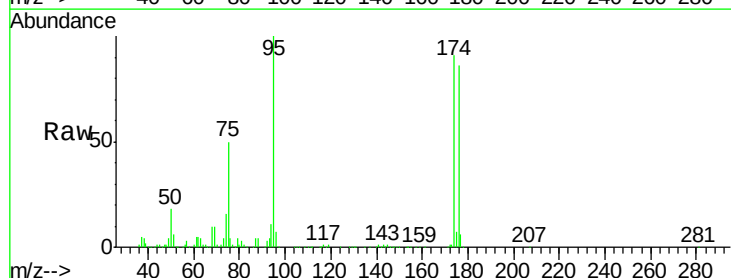
Tgt Ion: 95 Resp: 329907

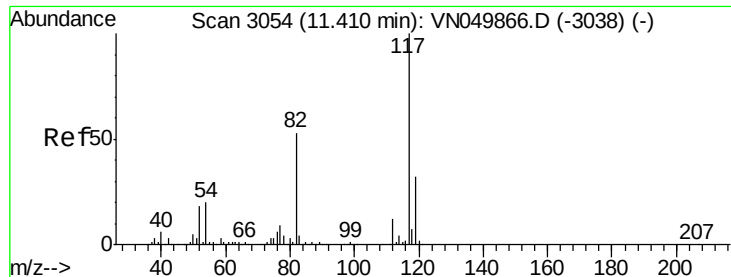
Ion Ratio Lower Upper

95 100

174 91.9 0.0 179.6

176 87.4 0.0 174.0

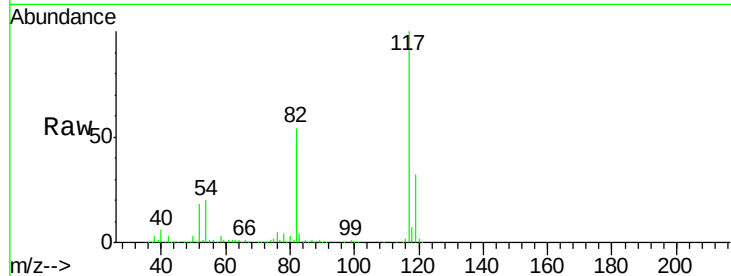




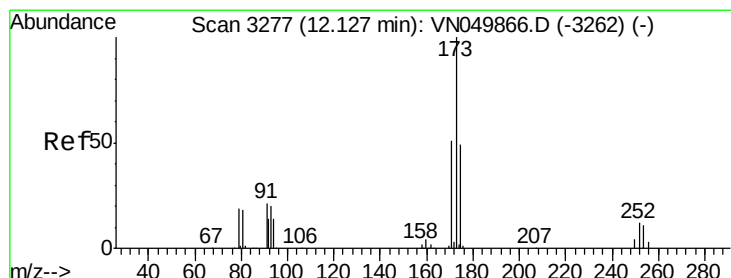
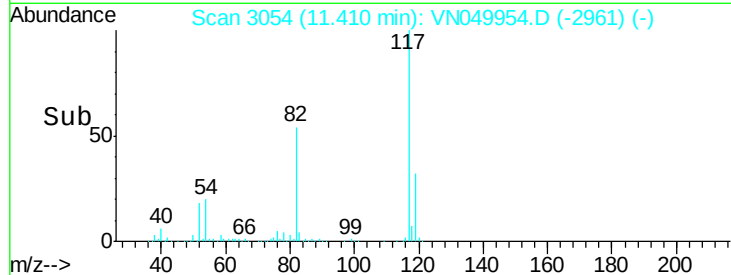
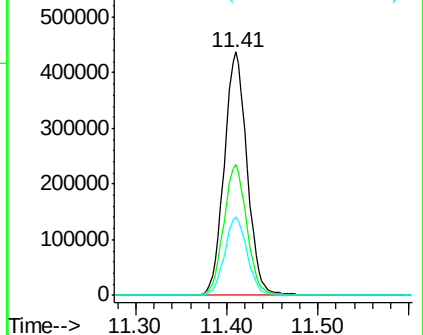
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

Instrument :
MSVOA_N
ClientSampleId :
SB5-L-12-7

Tot Ion:117 Resp: 764029
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 32.1 25.4 38.2

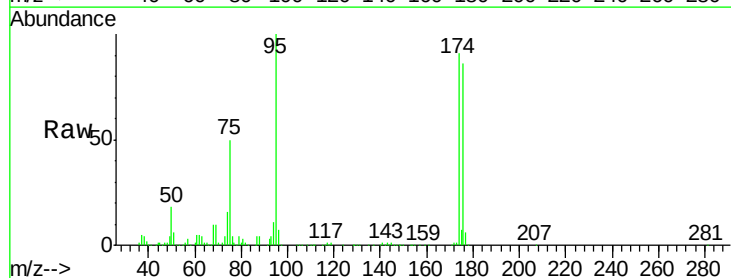


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

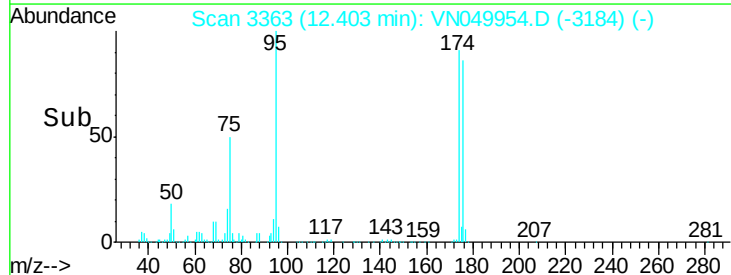
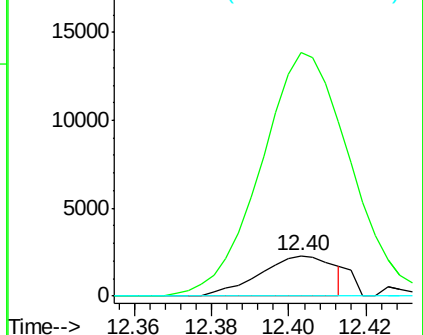


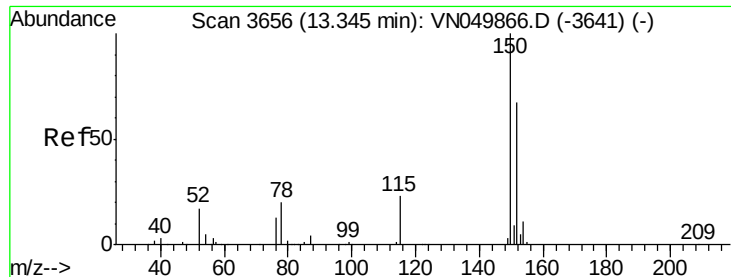
#71
Bromoform
Concen: 0.57 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049954.D
Acq: 20 Jul 2018 8:25

Tgt Ion:173 Resp: 3008
Ion Ratio Lower Upper
173 100
175 604.3 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: VN049954.D

Acq: 20 Jul 2018 8:25

Instrument :

MSVOA_N

ClientSampleId :

SB5-L-12-7

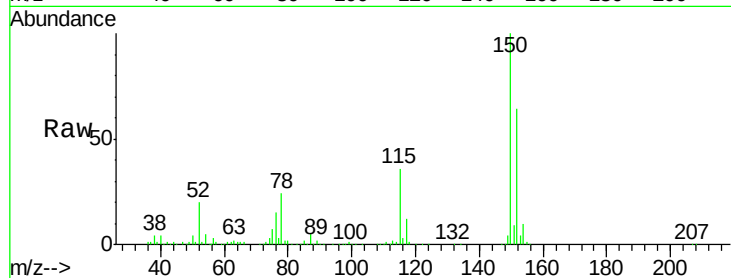
Tot Ion:152 Resp: 276280

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.2

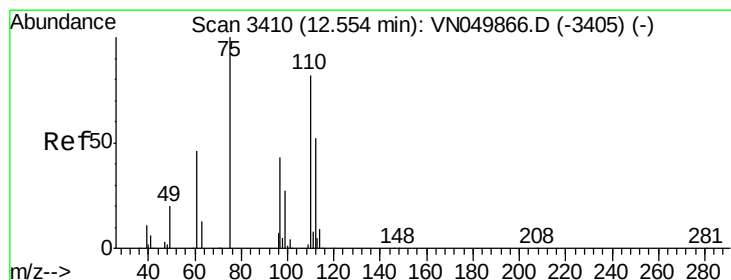
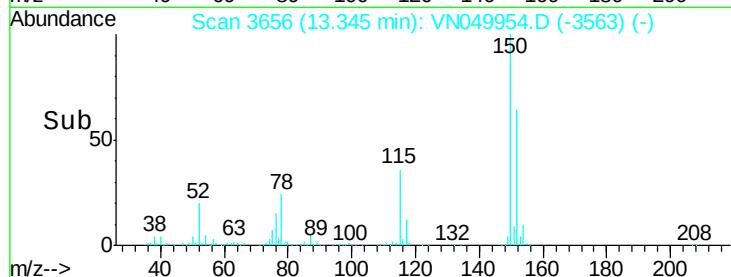
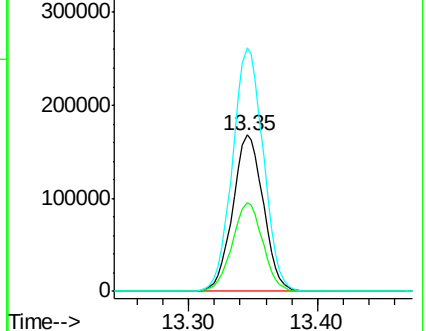
150 156.9 0.0 347.6



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: 31.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049954.D

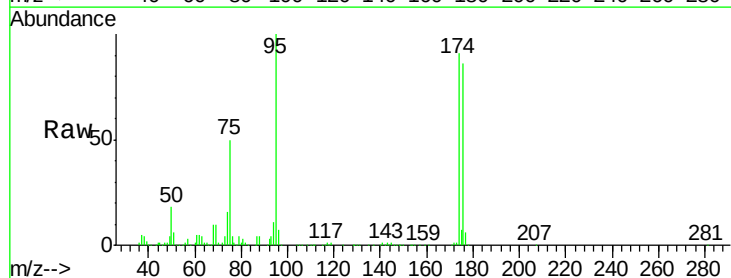
Acq: 20 Jul 2018 8:25

Tgt Ion: 75 Resp: 163469

Ion Ratio Lower Upper

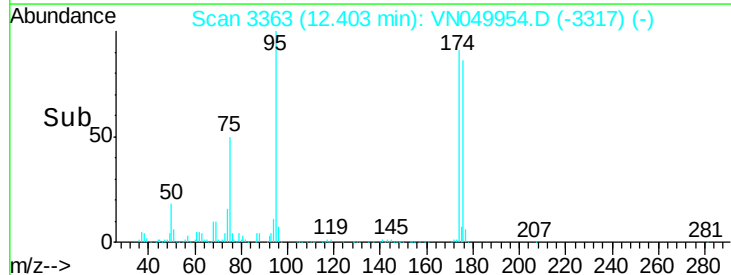
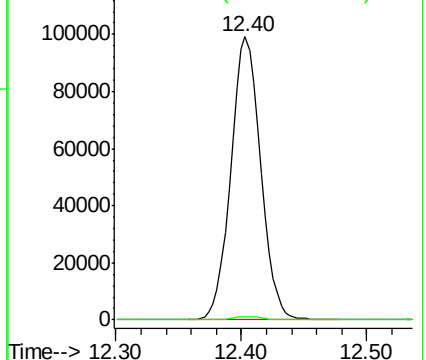
75 100

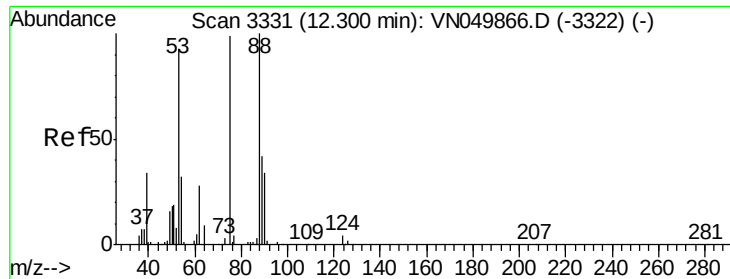
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 98.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049954.D

Acq: 20 Jul 2018 8:25

Instrument :

MSVOA_N

ClientSampled :

SB5-L-12-7

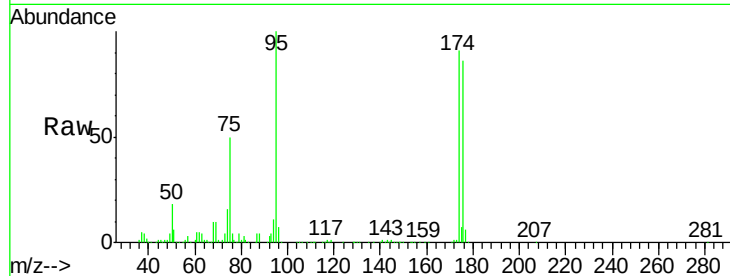
Tot Ion: 75 Resp: 163469

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

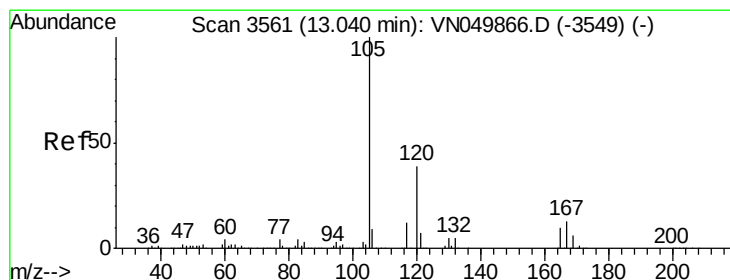
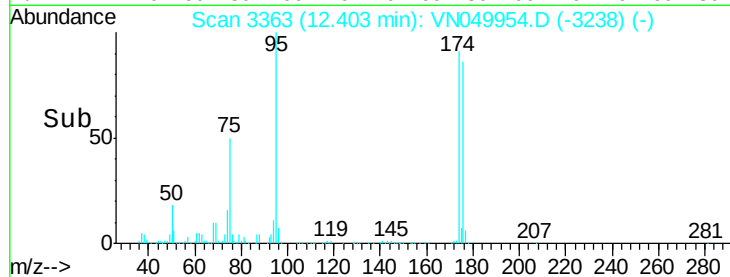
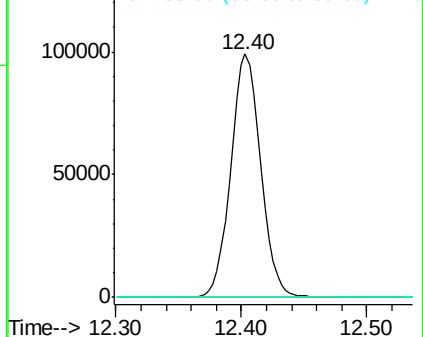
89 0.0 35.9 53.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.22 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049954.D

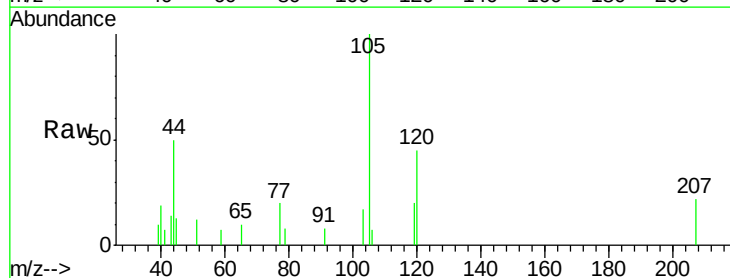
Acq: 20 Jul 2018 8:25

Tgt Ion: 105 Resp: 3818

Ion Ratio Lower Upper

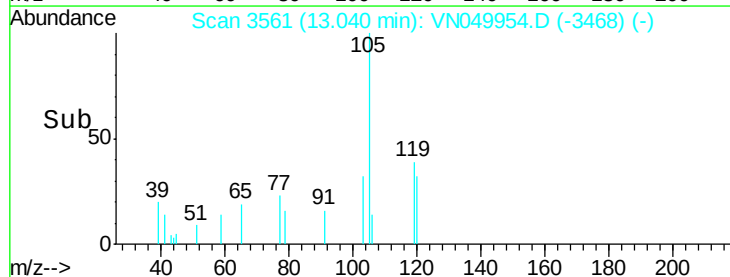
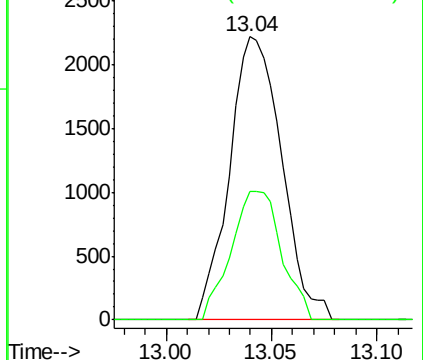
105 100

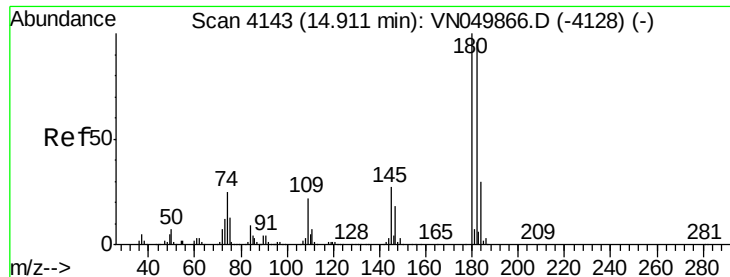
120 43.8 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

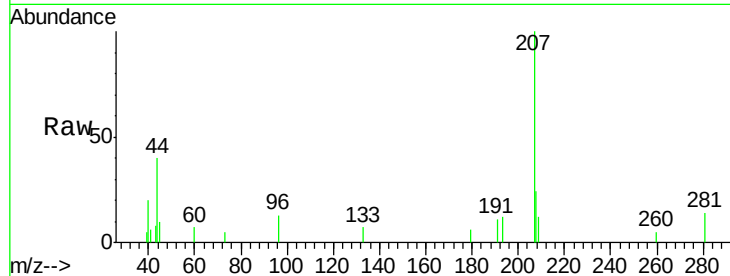




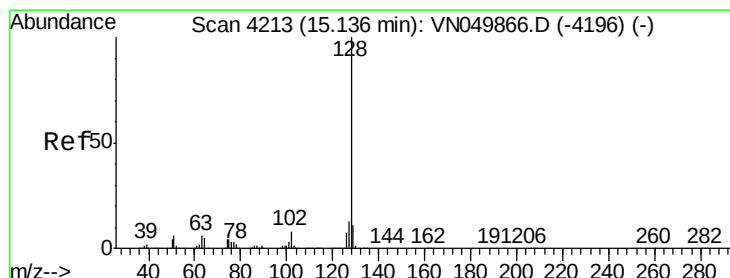
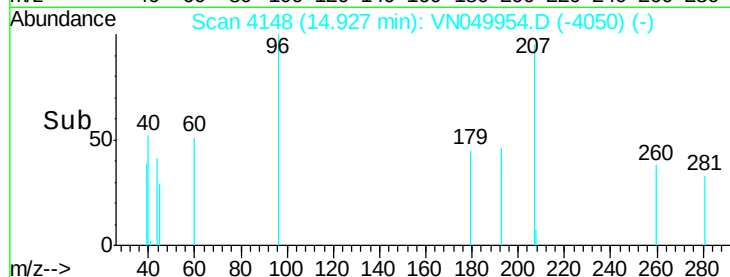
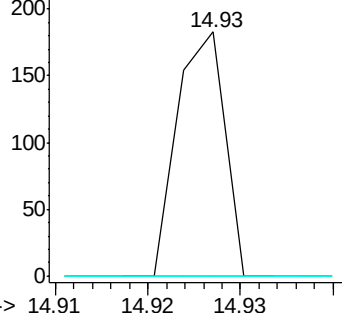
#93
 1,2,4-Trichlorobenzene
 Concen: 3.49 ug/l
 RT: 14.93 min Scan# 4148
 Delta R.T. 0.02 min
 Lab File: VN049954.D
 Acq: 20 Jul 2018 8:25

Instrument :
 MSVOA_N
 ClientSampled :
 SB5-L-12-7

Tot Ion:180 Resp: 65
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 0.0 14.4 43.0#

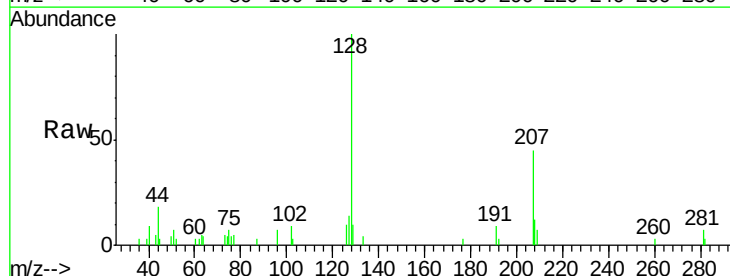


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 5.25 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049954.D
 Acq: 20 Jul 2018 8:25

Tgt Ion:128 Resp: 10878
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.4 15.6
 129 9.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

