

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049959.D
 Acq On : 20 Jul 2018 13:45
 Operator : MD\SY
 Sample : PB111289TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289TB

Quant Time: Jul 20 23:45:48 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	588744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	942751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	803979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	279226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409326	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.59	113	359582	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
50) Toluene-d8	10.09	98	1286890	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
62) 4-Bromofluorobenzene	12.40	95	343838	34.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.24%	

Target Compounds

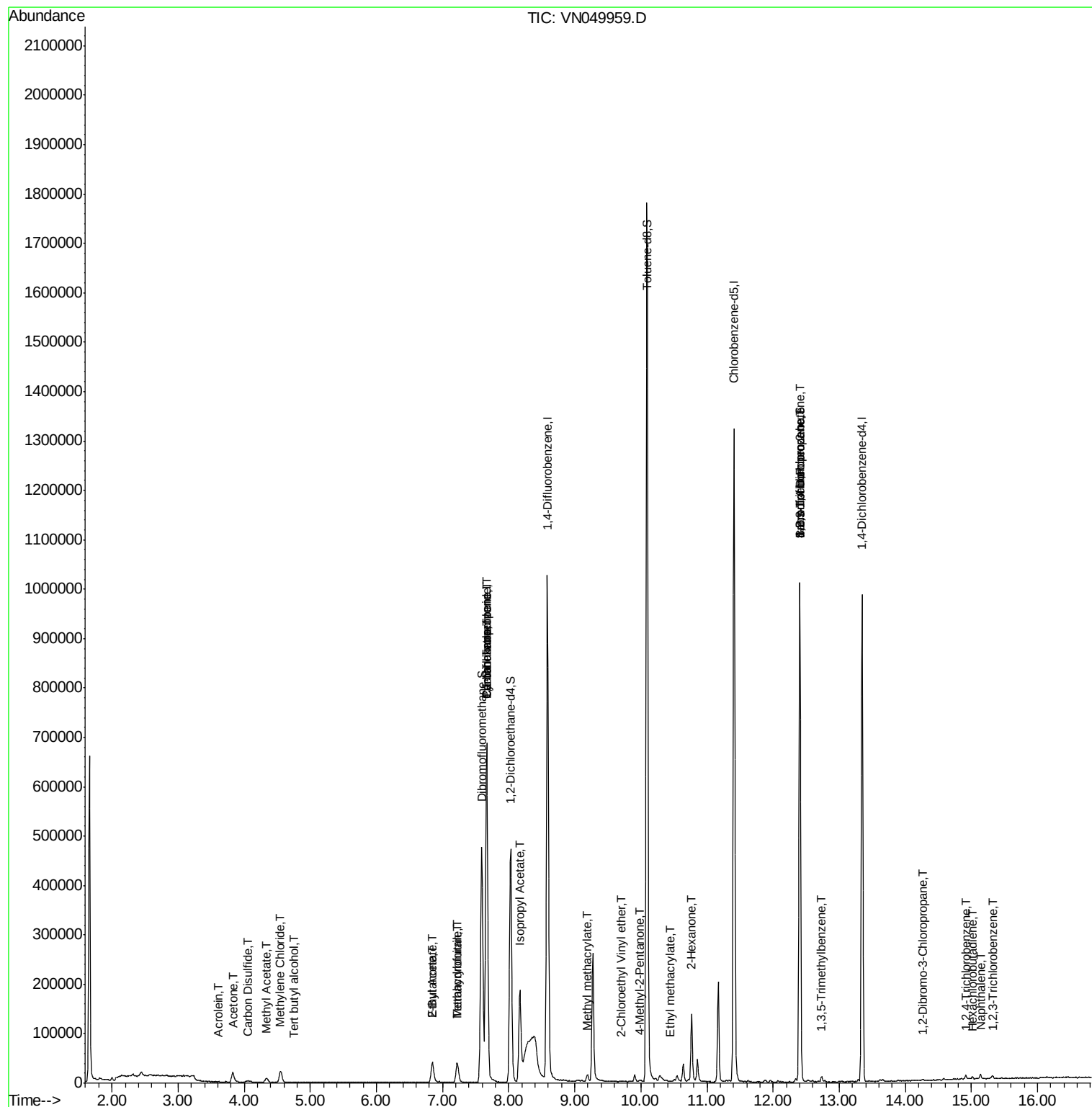
						Qvalue
2) Dichlorodifluoromethane	1.85	85	61	Below Cal	#	44
5) Bromomethane	2.57	94	1847	Below Cal	#	80
11) Tert butyl alcohol	4.76	59	240	0.42	ug/l	# 72
13) Acrolein	3.62	56	112	0.30	ug/l	87
16) Acetone	3.83	43	33273	15.88	ug/l	99
17) Carbon Disulfide	4.04	76	4452	0.23	ug/l	99
18) Methyl Acetate	4.34	43	17796	1.91	ug/l	91
20) Methylene Chloride	4.55	84	17189	2.16	ug/l	94
25) 2-Butanone	6.85	43	63131	21.08	ug/l	93
29) Tetrahydrofuran	7.22	42	33134	17.57	ug/l	94
31) Cyclohexane	7.67	56	11032	1.02	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	41438	3.95	ug/l	# 50
37) Ethyl Acetate	6.85	43	63131	8.77	ug/l	# 68
38) Carbon Tetrachloride	7.67	117	54160	4.82	ug/l	# 16
41) Methacrylonitrile	7.22	41	21216	5.88	ug/l	# 45
43) Isopropyl Acetate	8.17	43	239069	19.01	ug/l	99
48) Methyl methacrylate	9.18	41	7780	1.23	ug/l	# 22
51) 4-Methyl-2-Pentanone	9.99	43	2673	0.38	ug/l	90
56) Ethyl methacrylate	10.45	69	108	2.17	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.70	63	91	9.80	ug/l	# 48
59) 2-Hexanone	10.77	43	21015	4.45	ug/l	# 62
71) Bromoform	12.40	173	3015	0.54	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	168717	32.21	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	4809	0.28	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	168717	100.72	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	548	0.56	ug/l	# 13
93) 1,2,4-Trichlorobenzene	14.91	180	2904	3.96	ug/l	90
94) Hexachlorobutadiene	15.01	225	1260	0.38	ug/l	98
95) Naphthalene	15.14	128	7957	5.04	ug/l	95
96) 1,2,3-Trichlorobenzene	15.32	180	3120	0.65	ug/l	93

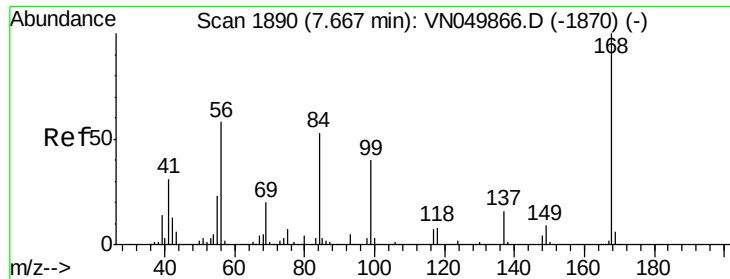
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049959.D

Acq: 20 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampled :

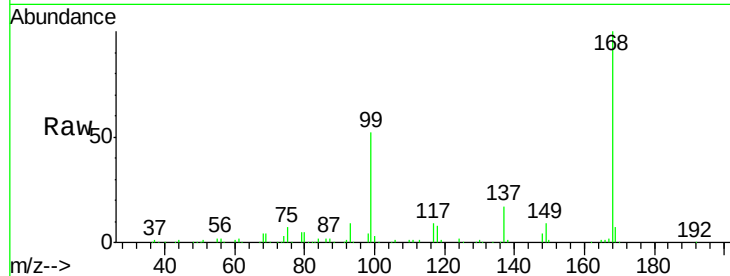
PB111289TB

Tot Ion:168 Resp: 588744

Ion Ratio Lower Upper

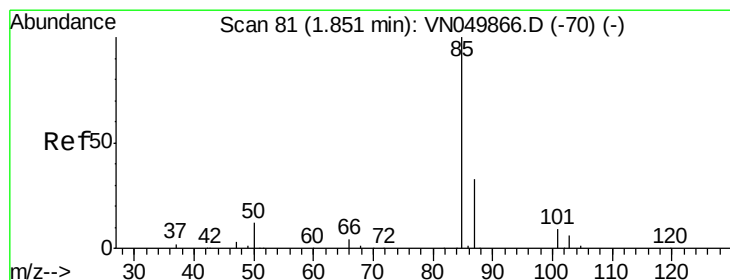
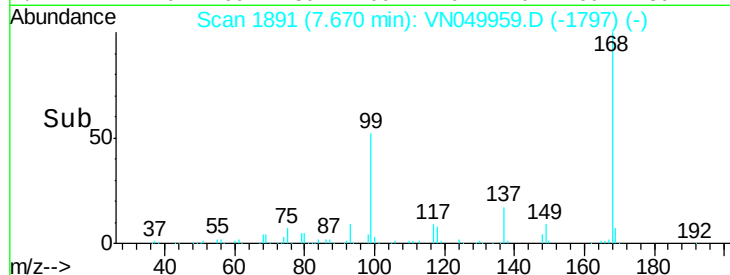
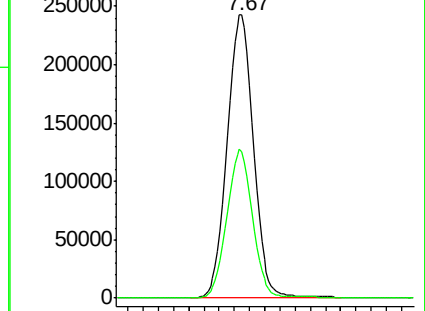
168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049959.D

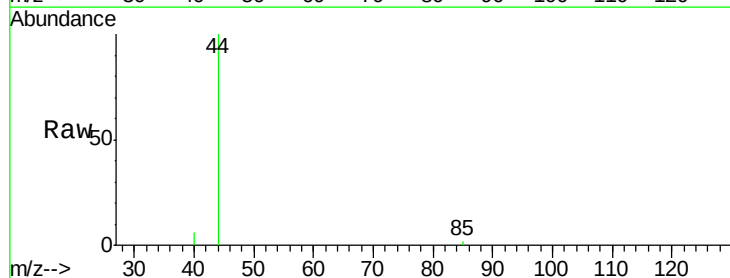
Acq: 20 Jul 2018 13:45

Tgt Ion: 85 Resp: 61

Ion Ratio Lower Upper

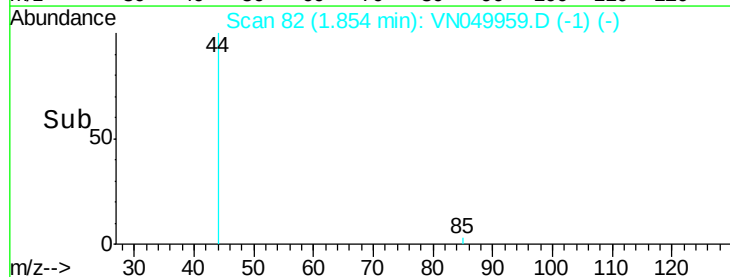
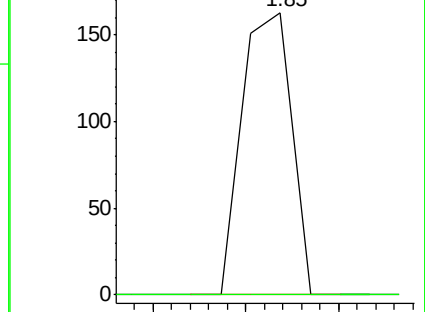
85 100

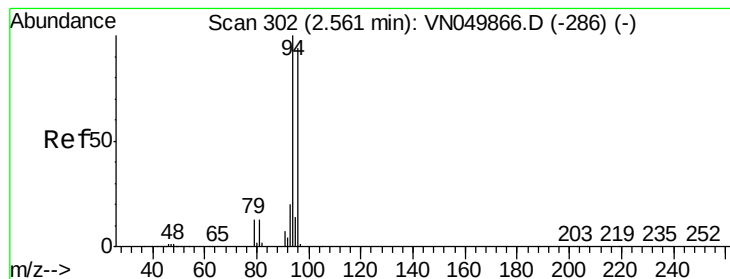
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampled :

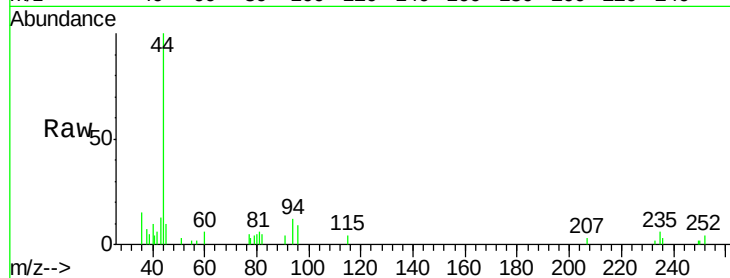
PB111289TB

Tot Ion: 94 Resp: 1847

Ion Ratio Lower Upper

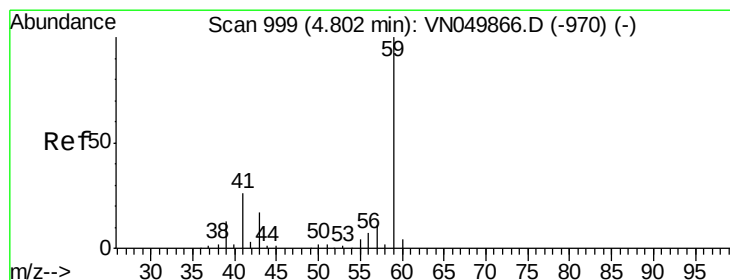
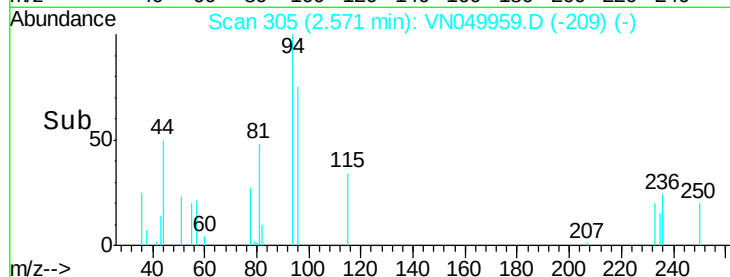
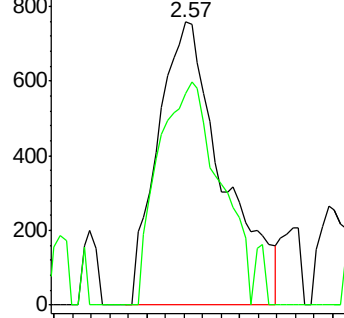
94 100

96 74.8 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.42 ug/l

RT: 4.76 min Scan# 985

Delta R.T. -0.05 min

Lab File: VN049959.D

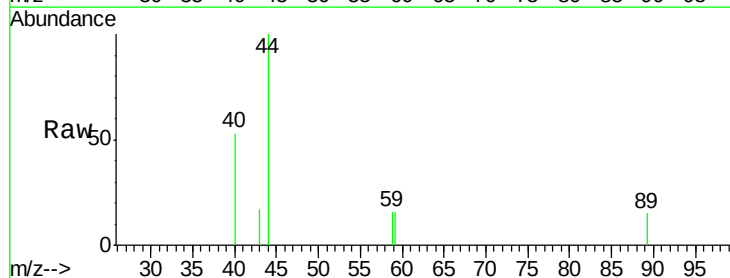
Acq: 20 Jul 2018 13:45

Tgt Ion: 59 Resp: 240

Ion Ratio Lower Upper

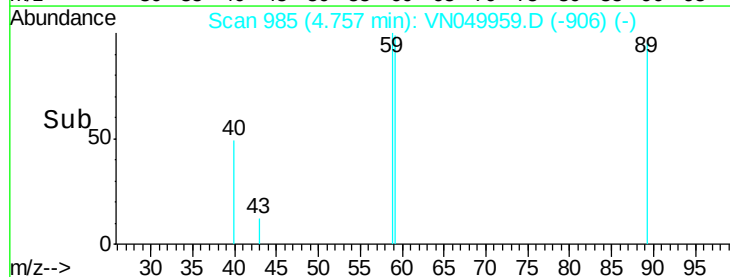
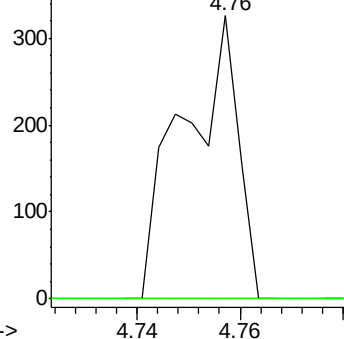
59 100

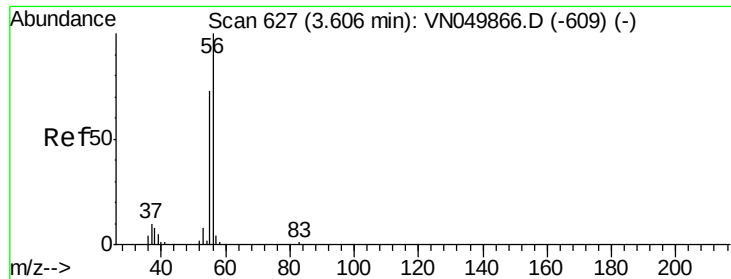
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.30 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

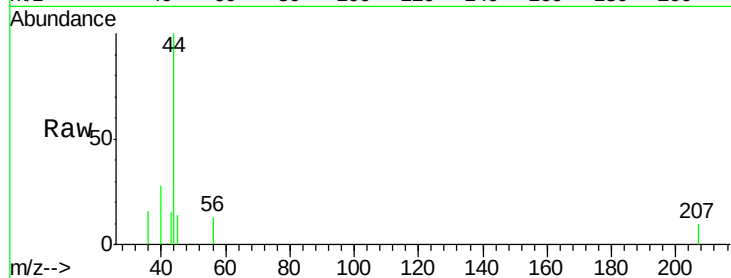
PB111289TB

Tot Ion: 56 Resp: 112

Ion Ratio Lower Upper

56 100

55 58.9 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.62

200

150

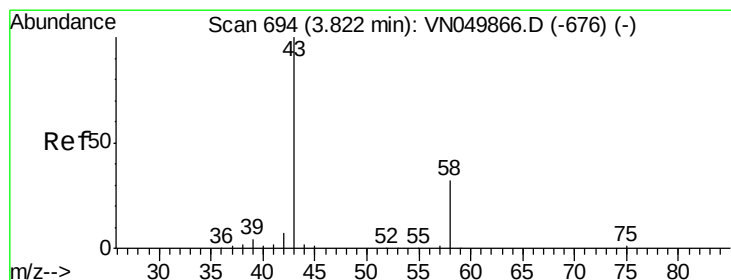
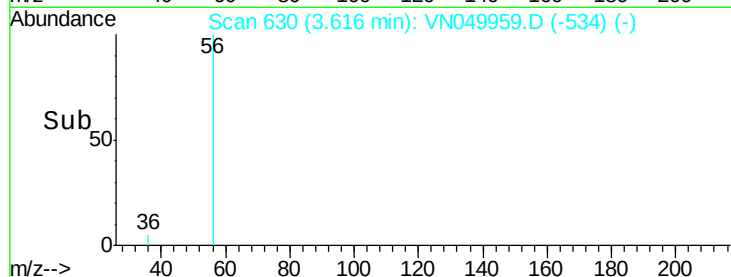
100

50

0

3.60 3.61 3.62 3.63

Time-->



#16

Acetone

Concen: 15.88 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049959.D

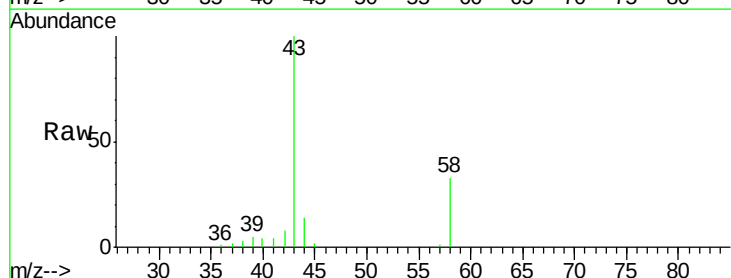
Acq: 20 Jul 2018 13:45

Tgt Ion: 43 Resp: 33273

Ion Ratio Lower Upper

43 100

58 33.2 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

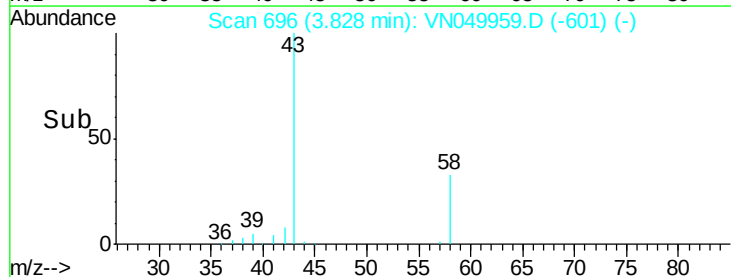
10000

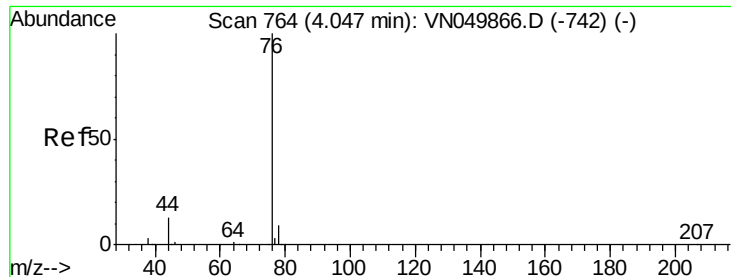
5000

0

3.80 3.83 3.90

Time-->





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

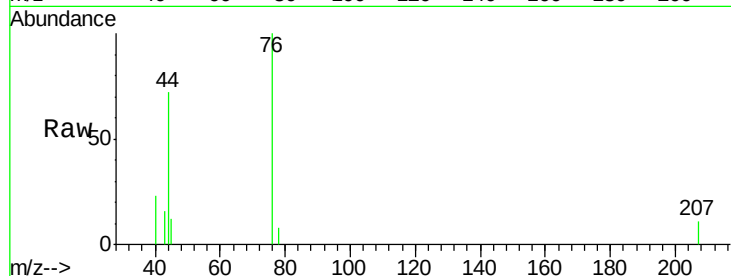
PB111289TB

Tot Ion: 76 Resp: 4452

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN049866.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN049866.D (-742) (-)

4.04

2000

1500

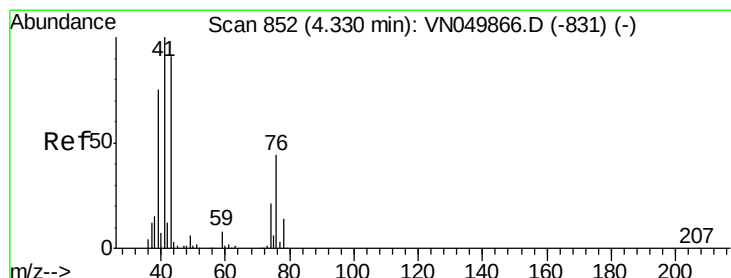
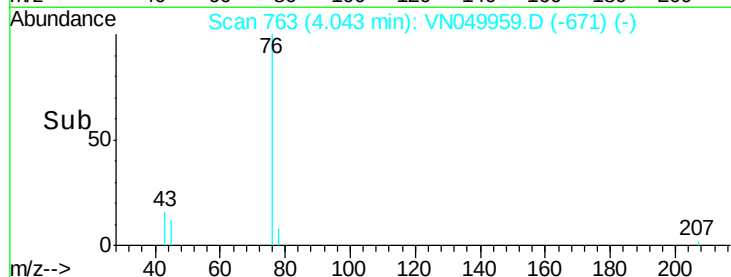
1000

500

0

Time-->

4.00 4.05 4.10



#18

Methyl Acetate

Concen: 1.91 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049959.D

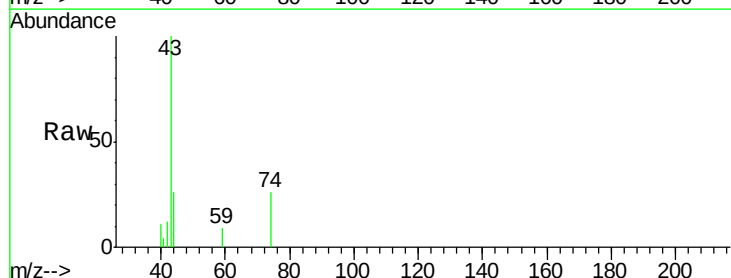
Acq: 20 Jul 2018 13:45

Tgt Ion: 43 Resp: 17796

Ion Ratio Lower Upper

43 100

74 20.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-831) (-)

Ion 74.00 (73.70 to 74.70): VN049866.D (-831) (-)

4.34

6000

5000

4000

3000

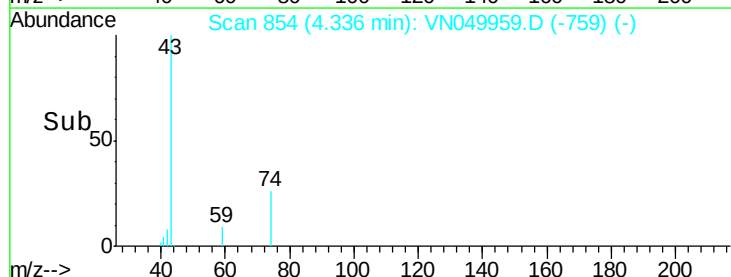
2000

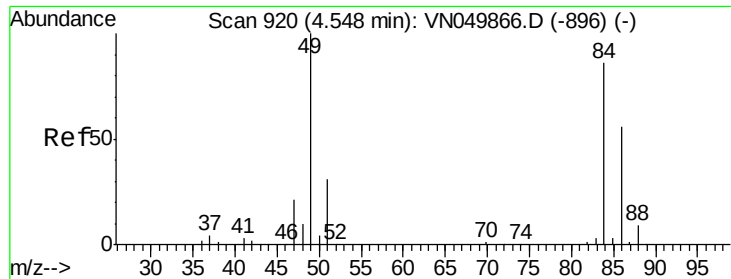
1000

0

Time-->

4.20 4.30 4.40

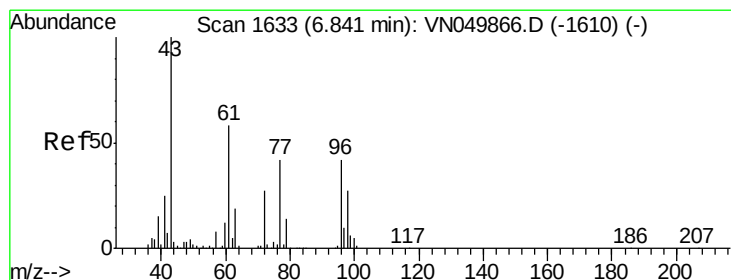
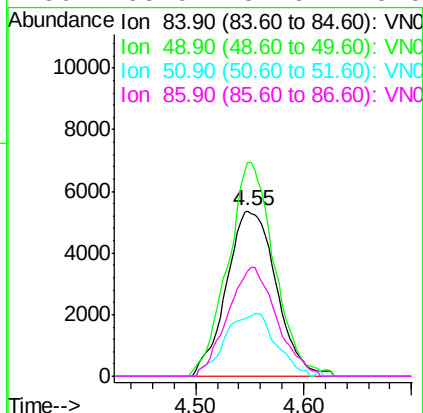
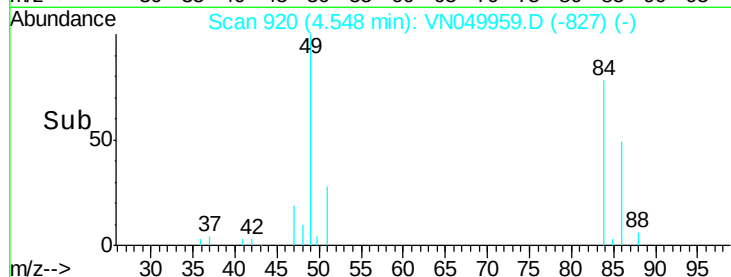
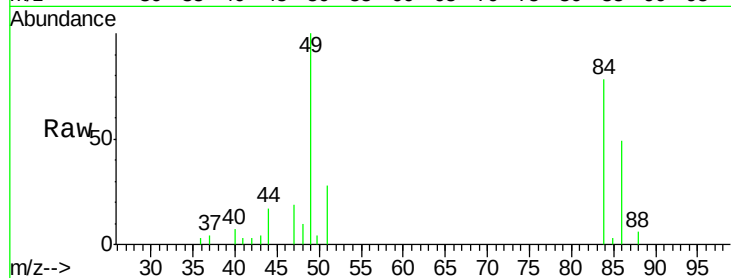




#20
Methvlene Chloride
Concen: 2.16 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

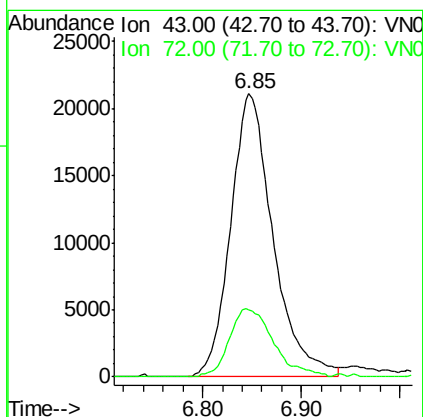
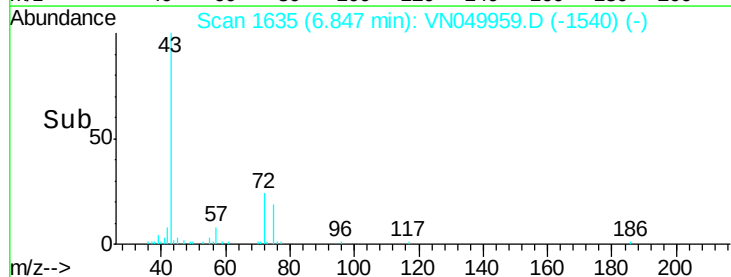
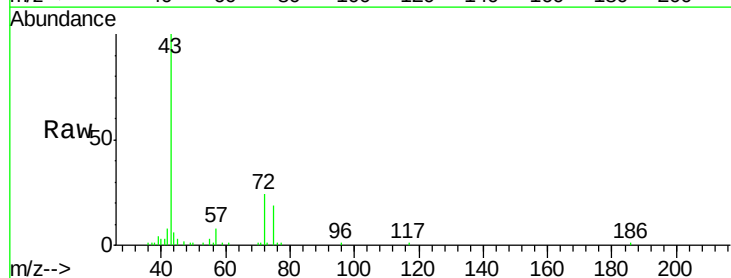
Instrument :
MSVOA_N
ClientSampled :
PB111289TB

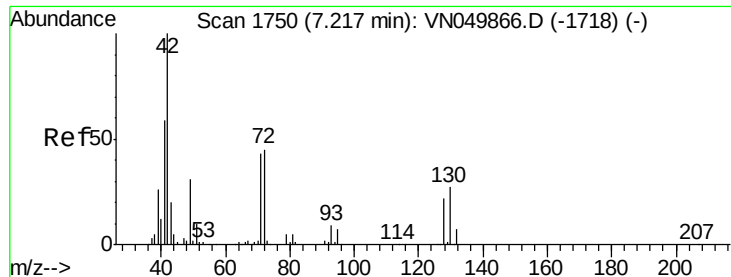
Tot Ion:	84	Resp:	17189
Ion	Ratio	Lower	Upper
84	100		
49	128.9	95.4	143.2
51	35.9	28.4	42.6
86	63.0	52.6	79.0



#25
2-Butanone
Concen: 21.08 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Tgt Ion:	43	Resp:	63131
Ion	Ratio	Lower	Upper
43	100		
72	23.8	22.1	33.1

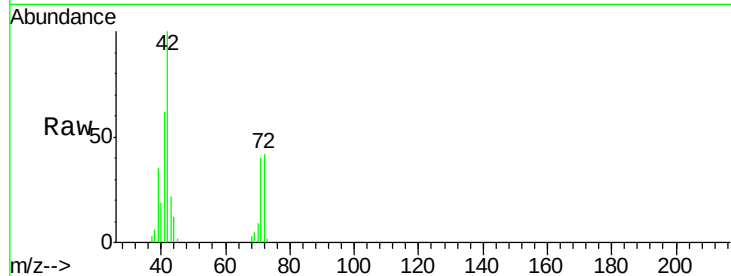




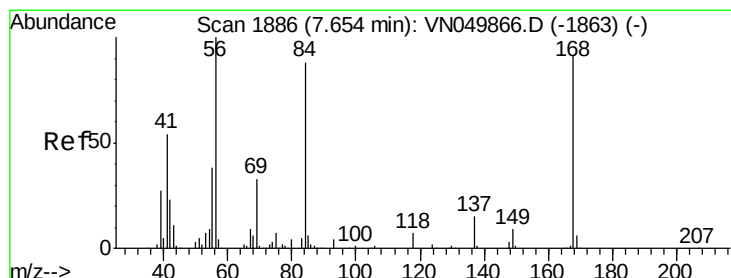
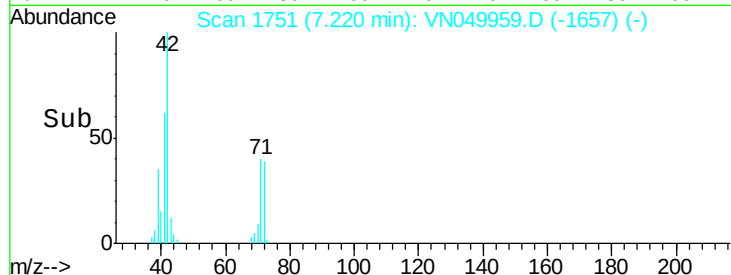
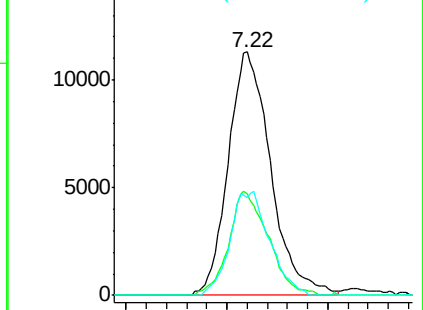
#29
Tetrahydrofuran
Concen: 17.57 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Instrument :
MSVOA_N
ClientSampled :
PB111289TB

Tot Ion: 42 Resp: 33134
Ion Ratio Lower Upper
42 100
72 39.7 35.6 53.4
71 39.5 34.0 51.0

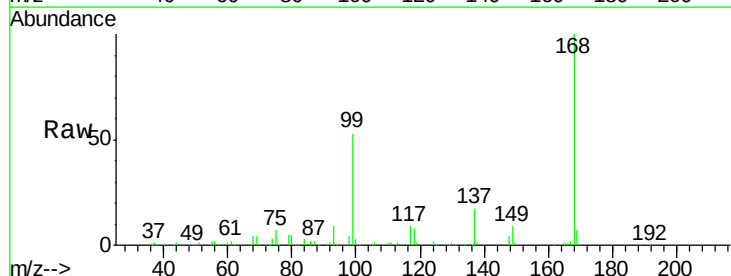


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

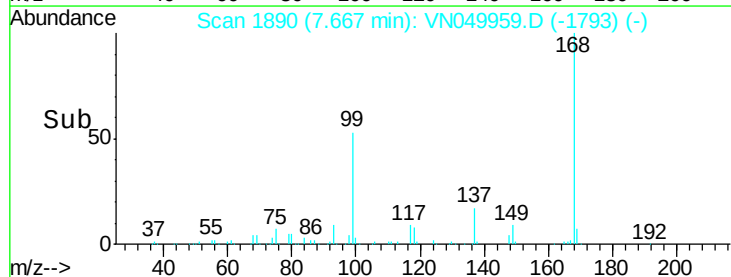
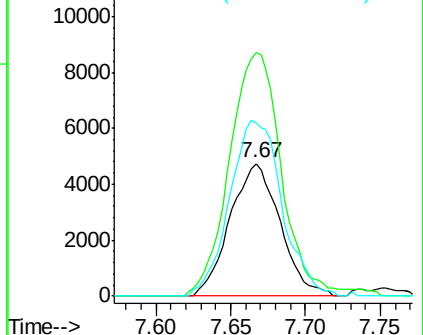


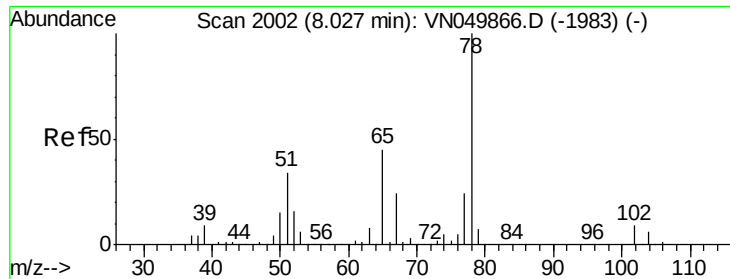
#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Tgt Ion: 56 Resp: 11032
Ion Ratio Lower Upper
56 100
69 180.0 26.6 40.0#
84 130.4 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

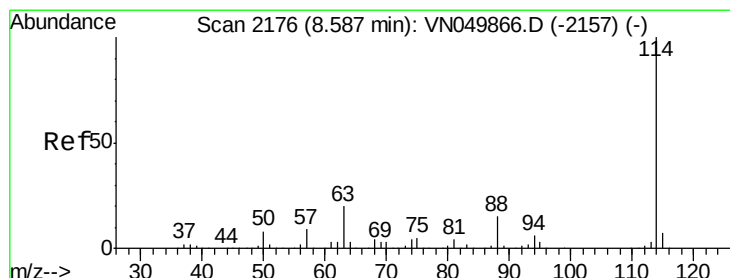
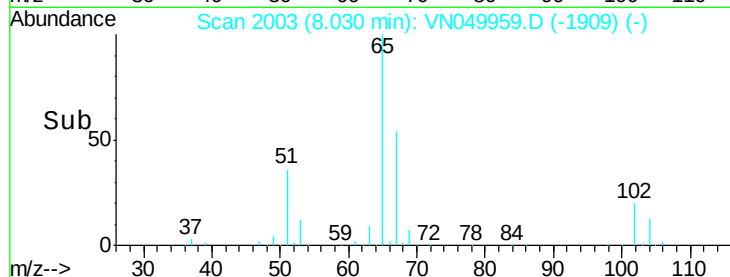
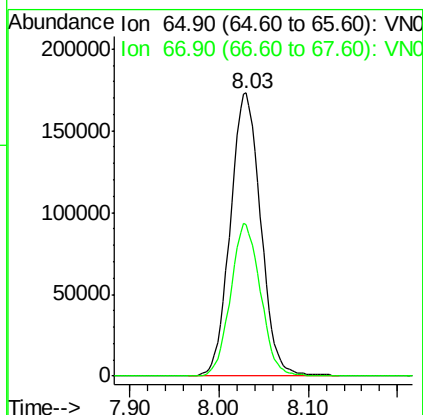
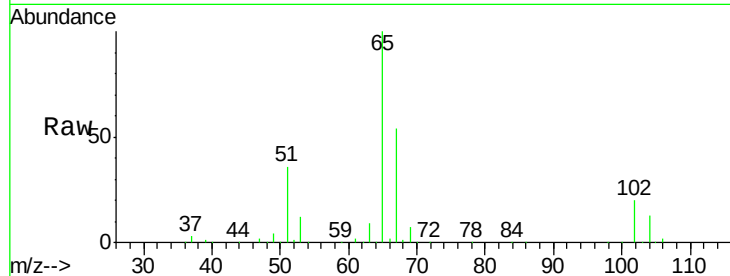




#33
 1,2-Dichloroethane-d4
 Concen: 50.58 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049959.D
 Acq: 20 Jul 2018 13:45

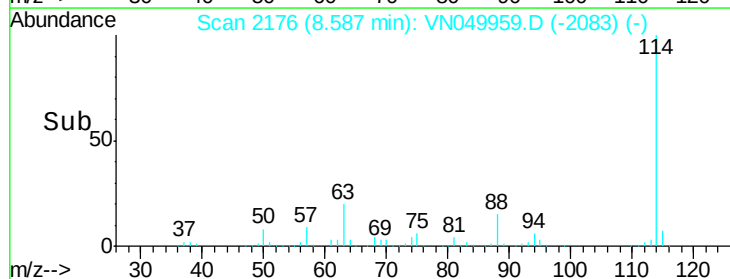
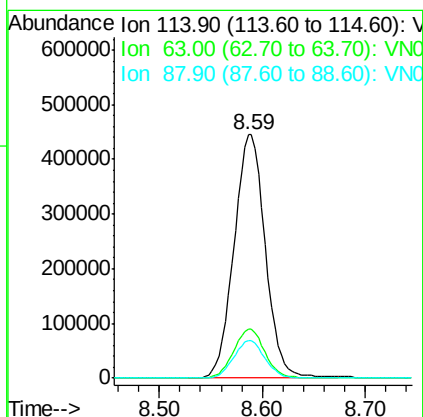
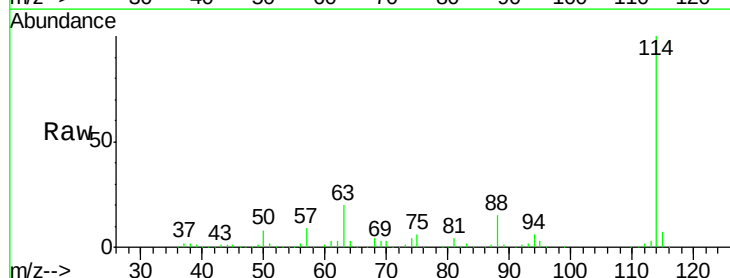
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289TB

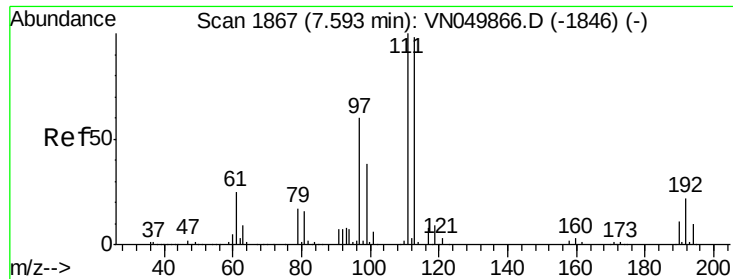
Tot Ion: 65 Resp: 409326
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049959.D
 Acq: 20 Jul 2018 13:45

Tgt Ion: 114 Resp: 942751
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.4 0.0 30.6

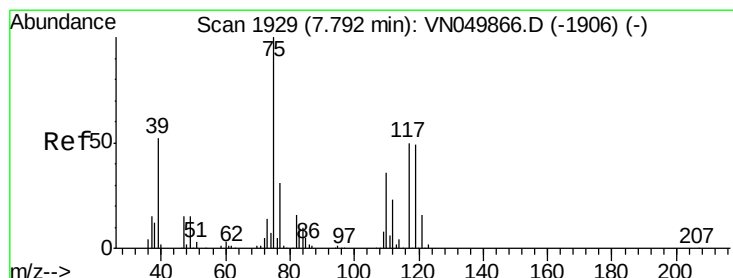
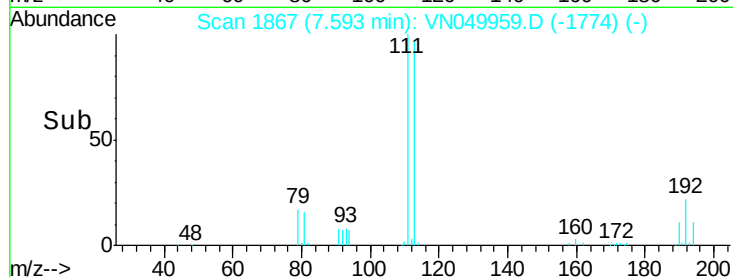
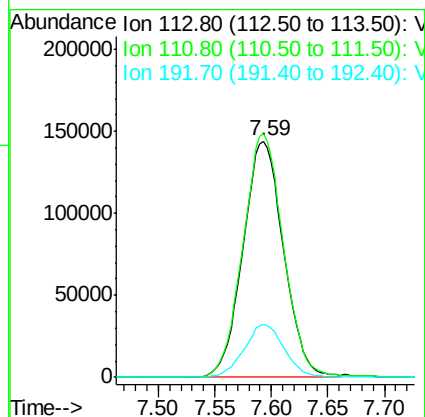
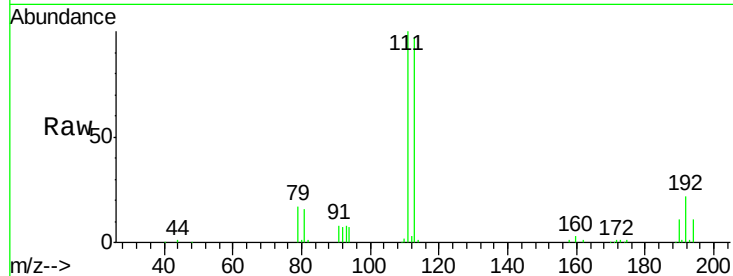




#35
 Dibromofluoromethane
 Concen: 45.43 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049959.D
 Acq: 20 Jul 2018 13:45

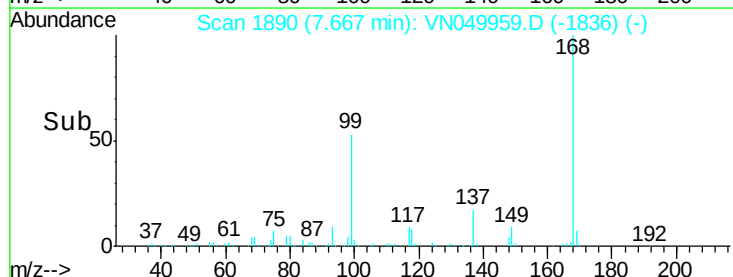
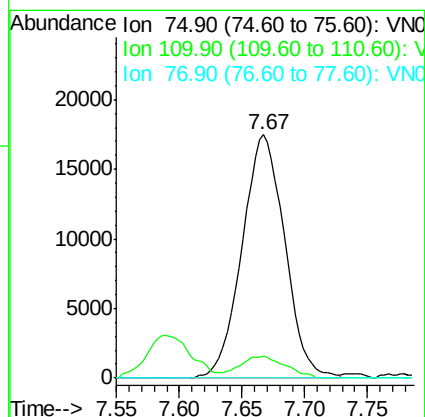
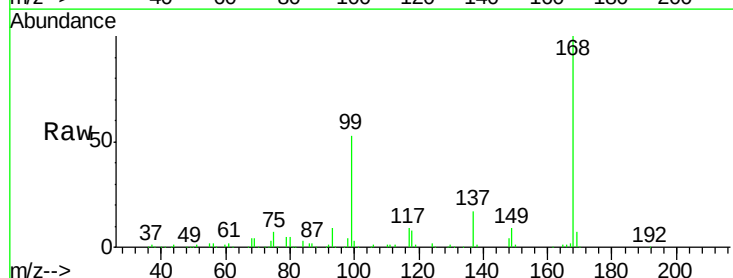
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289TB

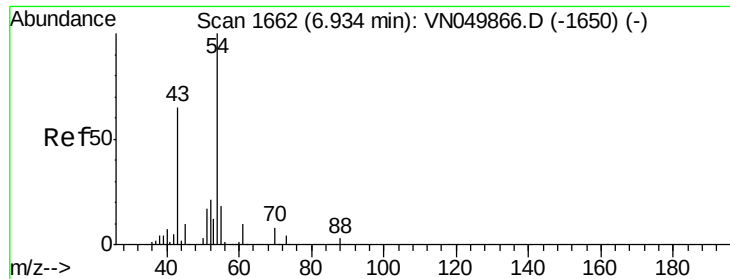
Tot Ion:113 Resp: 359582
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049959.D
 Acq: 20 Jul 2018 13:45

Tgt Ion: 75 Resp: 41438
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.4#
 77 0.0 24.9 37.3#

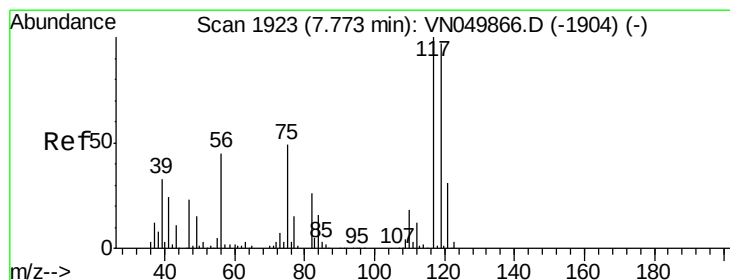
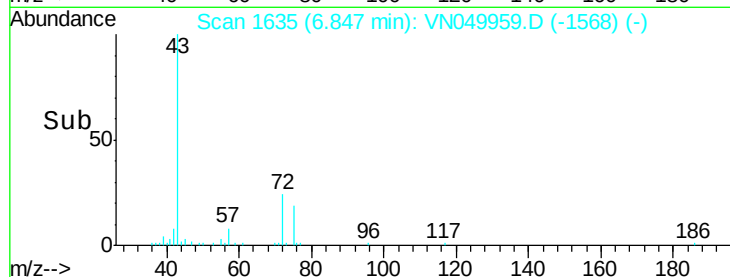
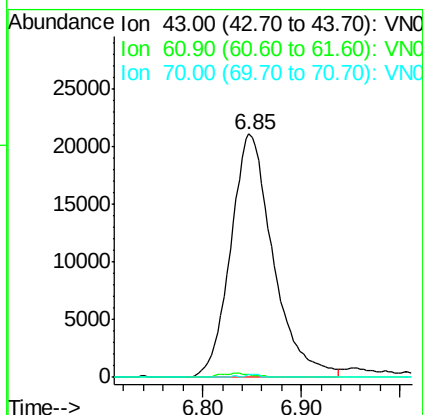
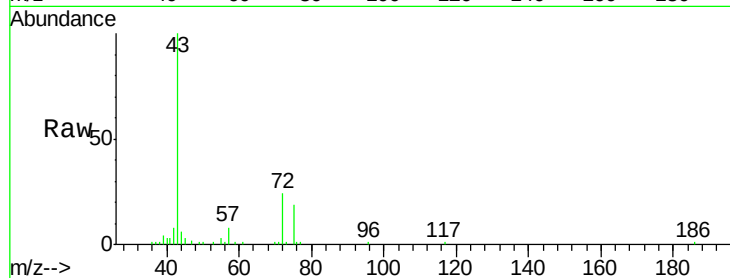




#37
Ethyl Acetate
Concen: 8.77 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. -0.09 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

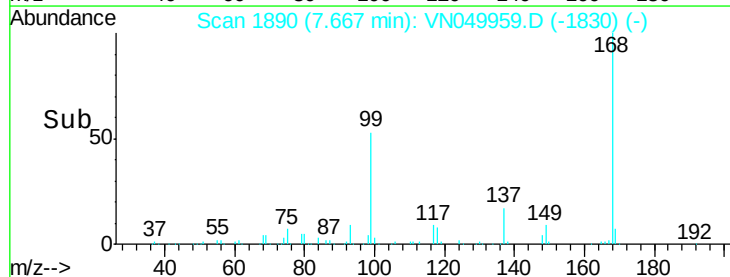
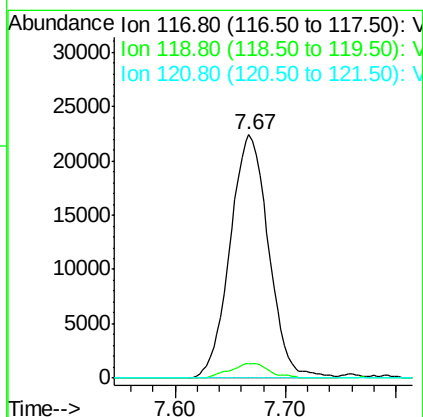
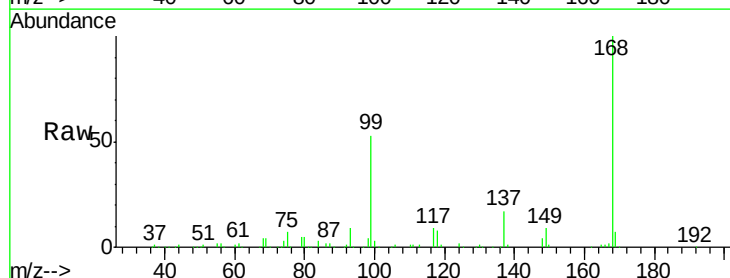
Instrument :
MSVOA_N
ClientSampled :
PB111289TB

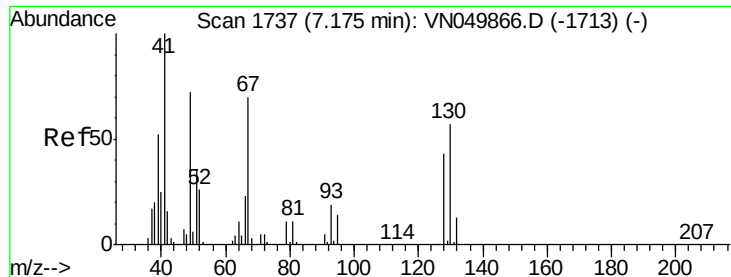
Tot Ion: 43 Resp: 63131
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.3 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.82 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Tgt Ion: 117 Resp: 54160
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.0 37.6#

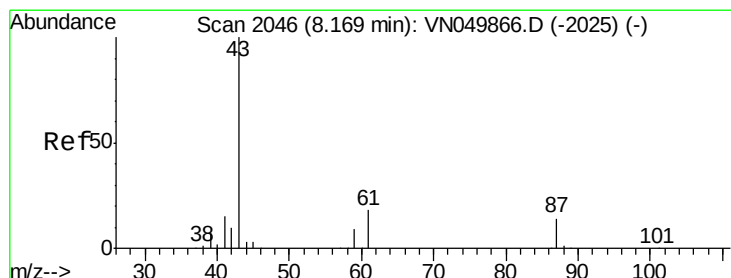
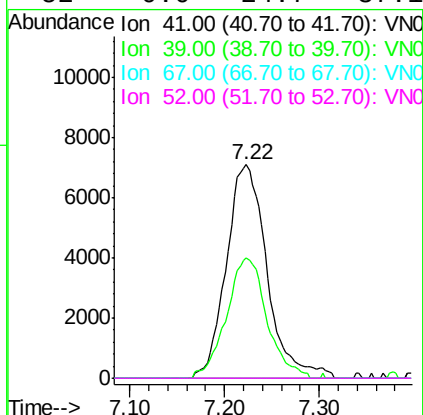
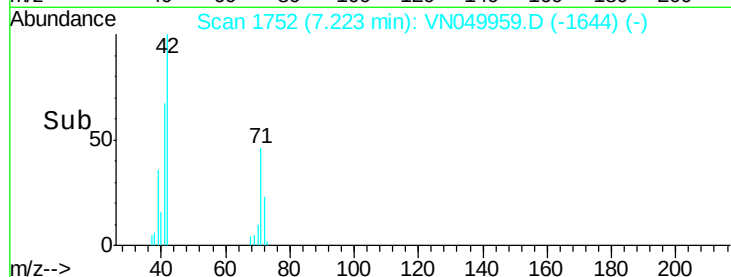
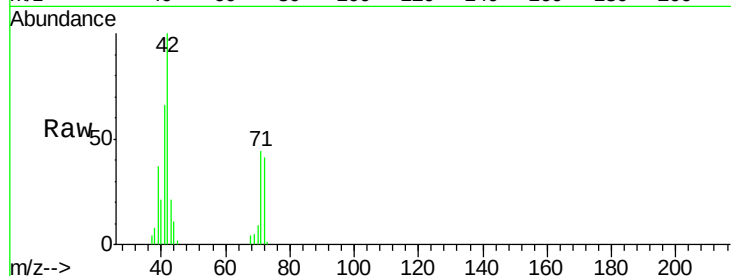




#41
Methacrylonitrile
Concen: 5.88 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.05 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

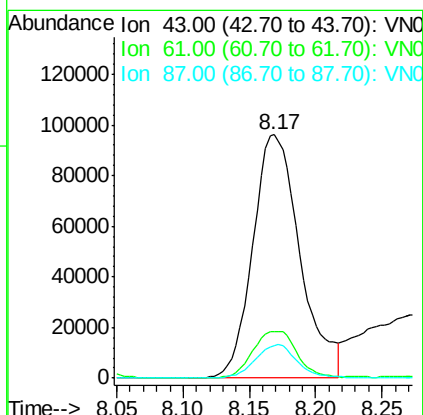
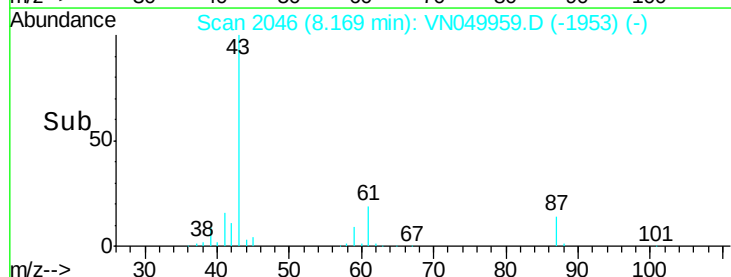
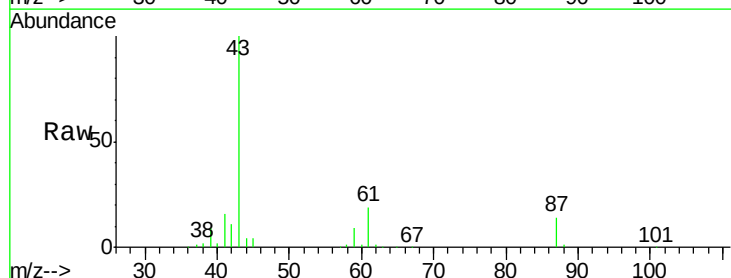
Instrument :
MSVOA_N
ClientSampled :
PB111289TB

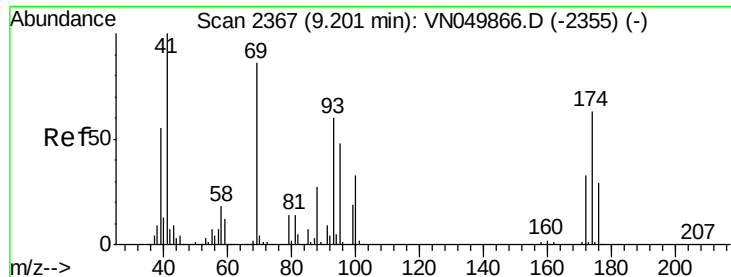
Tot Ion: 41 Resp: 21216
Ion Ratio Lower Upper
41 100
39 56.0 45.4 68.2
67 0.0 65.4 98.0#
52 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 19.01 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Tgt Ion: 43 Resp: 239069
Ion Ratio Lower Upper
43 100
61 18.1 14.9 22.3
87 12.2 10.0 15.0

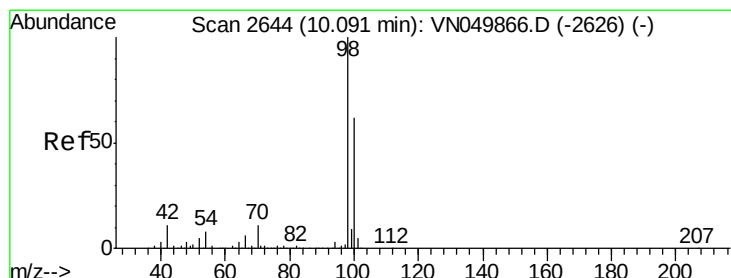
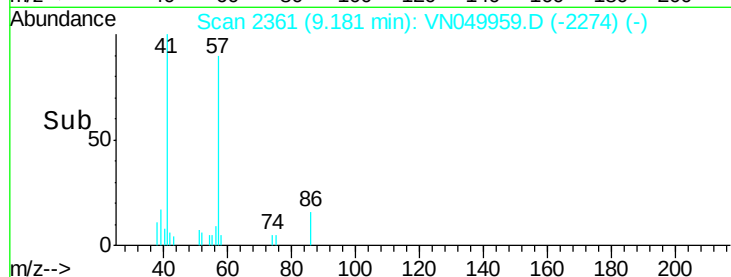
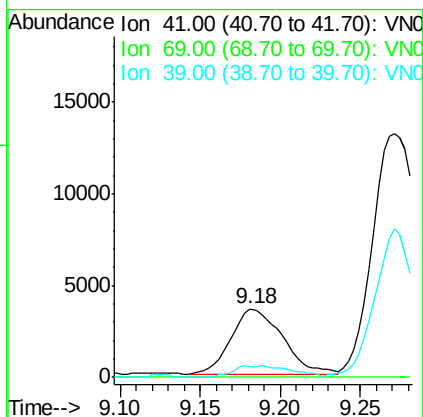
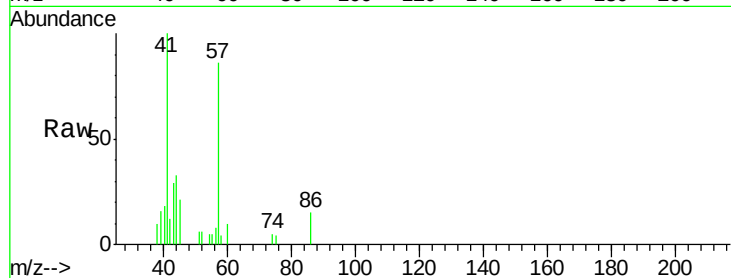




#48
Methvl methacrylate
Concen: 1.23 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

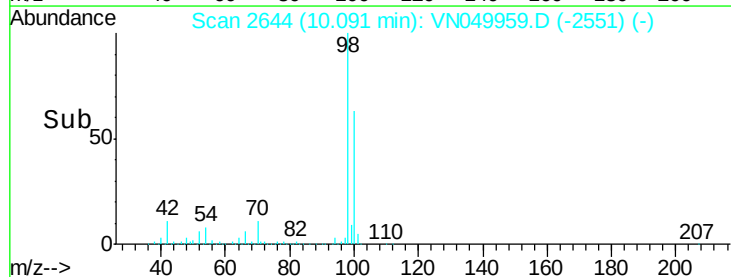
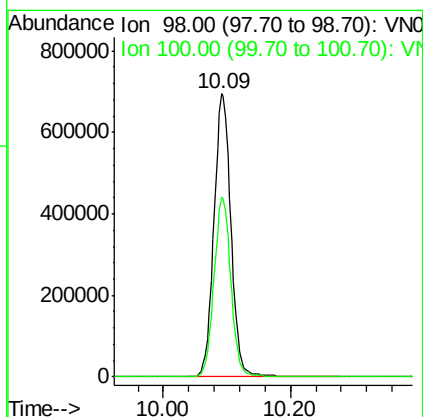
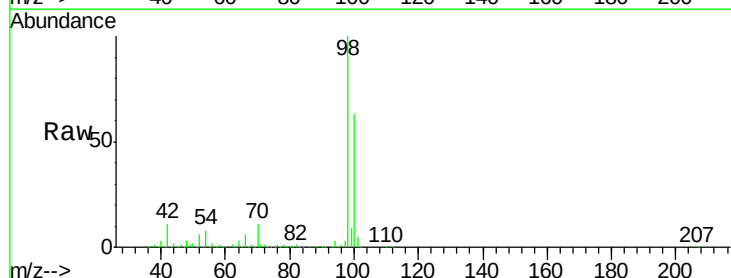
Instrument :
MSVOA_N
ClientSampleId :
PB111289TB

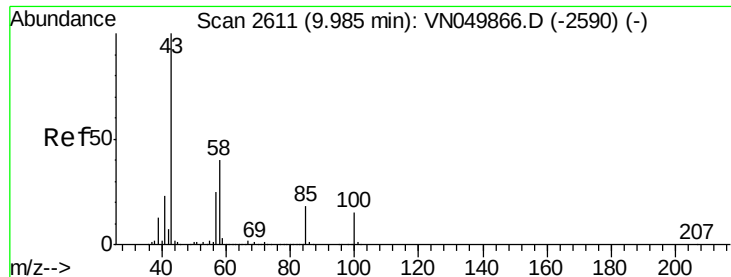
Tot Ion: 41 Resp: 7780
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 20.0 44.7 67.1#



#50
Toluene-d8
Concen: 44.63 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Tgt Ion: 98 Resp: 1286890
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

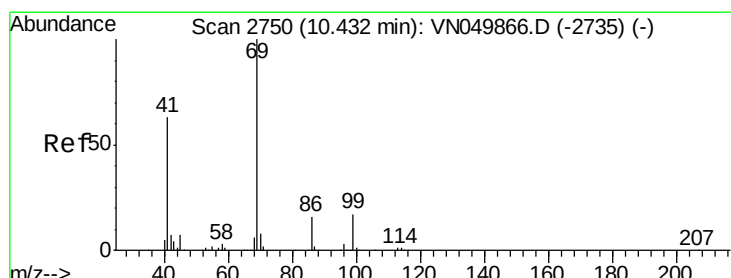
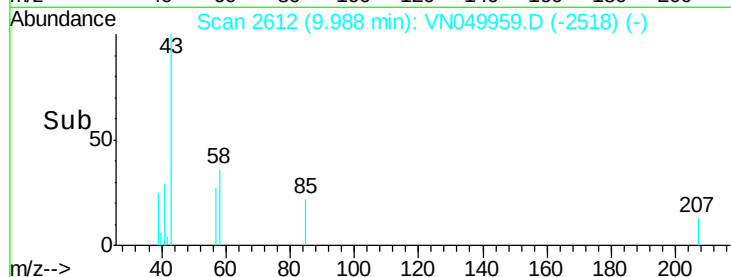
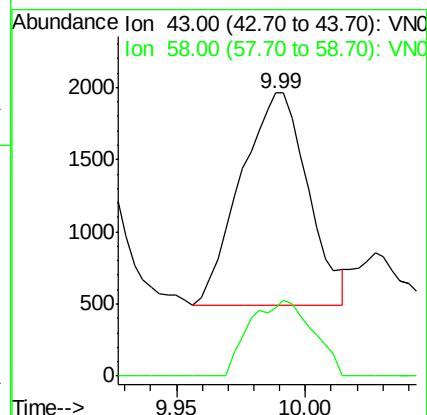
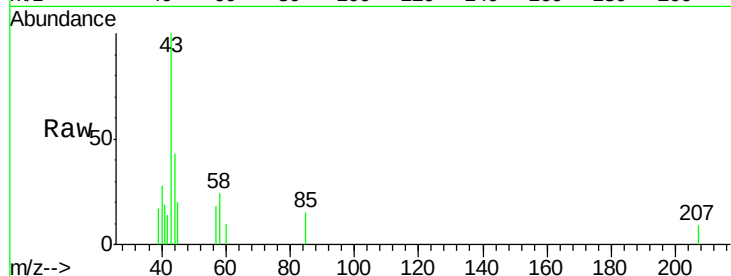




#51
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

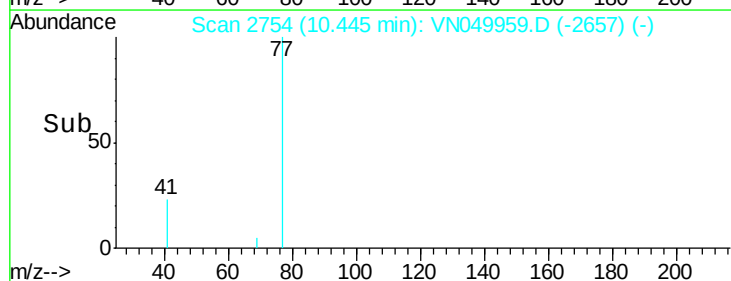
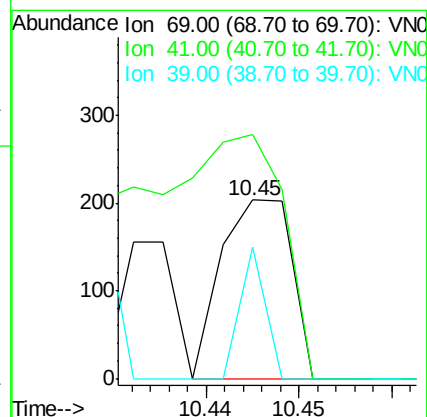
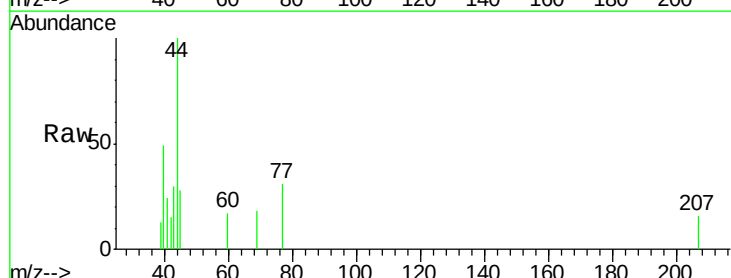
Instrument :
MSVOA_N
ClientSampled :
PB111289TB

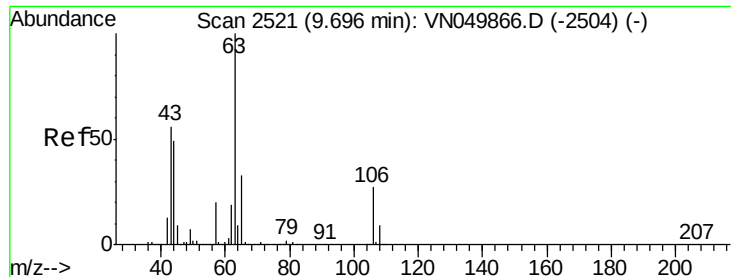
Tot Ion: 43 Resp: 2673
Ion Ratio Lower Upper
43 100
58 33.5 31.8 47.8



#56
Ethyl methacrylate
Concen: 2.17 ug/l
RT: 10.45 min Scan# 2754
Delta R.T. 0.01 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Tgt Ion: 69 Resp: 108
Ion Ratio Lower Upper
69 100
41 323.1 51.6 77.4#
39 100.9 25.8 38.8#





#58

2-Chloroethyl Vinyl ether

Concen: 9.80 ug/l

RT: 9.70 min Scan# 2523

Delta R.T. 0.01 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

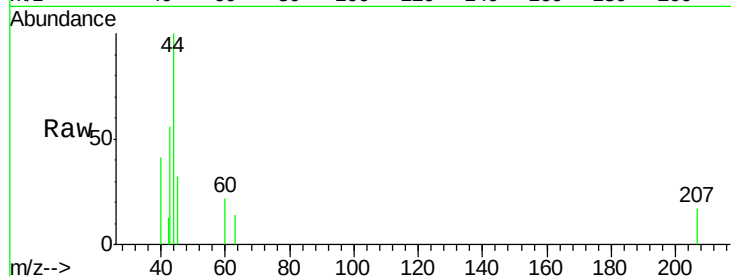
PB111289TB

Tot Ion: 63 Resp: 91

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

150

100

50

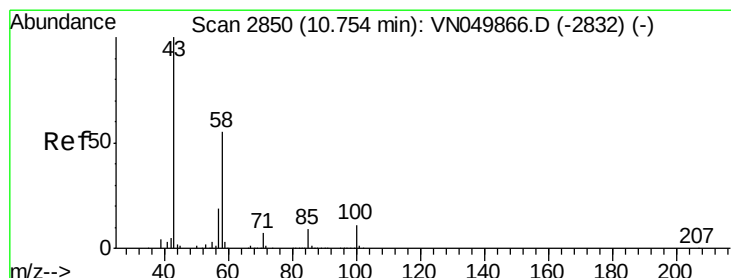
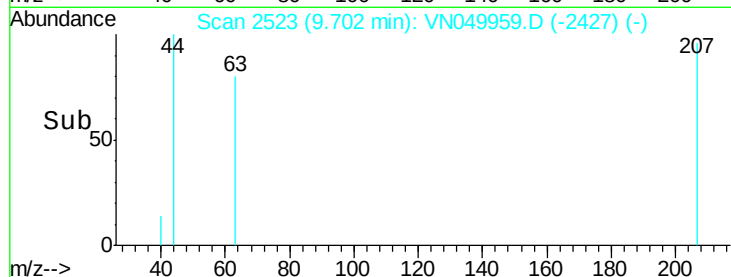
0

Time-->

9.69

9.70

9.71



#59

2-Hexanone

Concen: 4.45 ug/l

RT: 10.77 min Scan# 2855

Delta R.T. 0.02 min

Lab File: VN049959.D

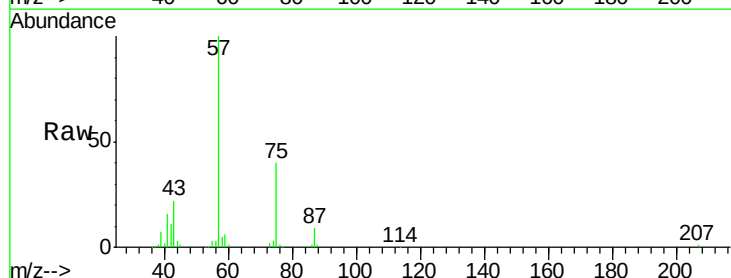
Acq: 20 Jul 2018 13:45

Tgt Ion: 43 Resp: 21015

Ion Ratio Lower Upper

43 100

58 27.6 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.77

10000

5000

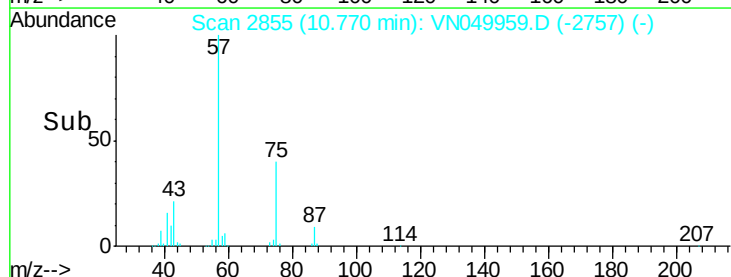
0

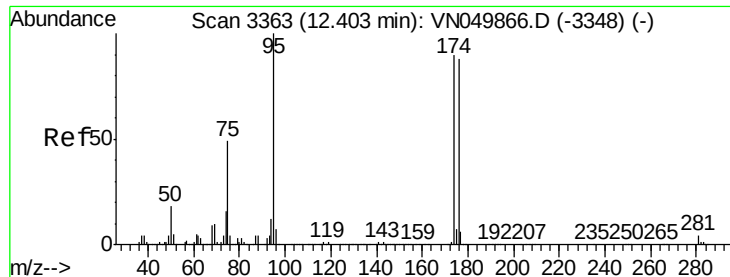
Time-->

10.70

10.75

10.80





#62

4-Bromofluorobenzene

Concen: 34.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

PB111289TB

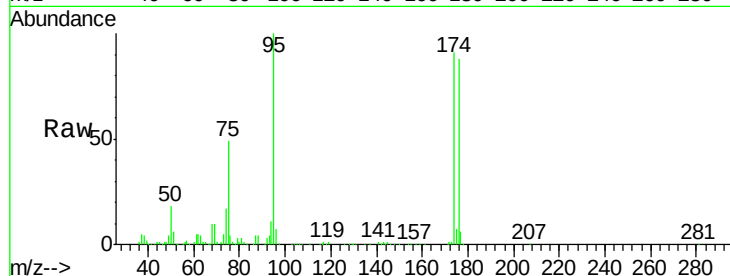
Tot Ion: 95 Resp: 343838

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

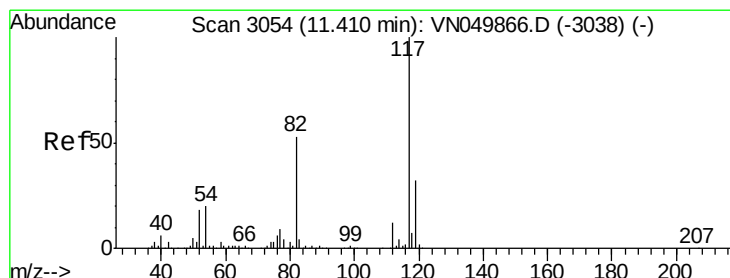
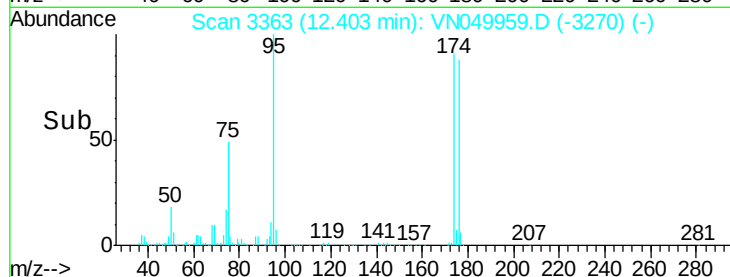
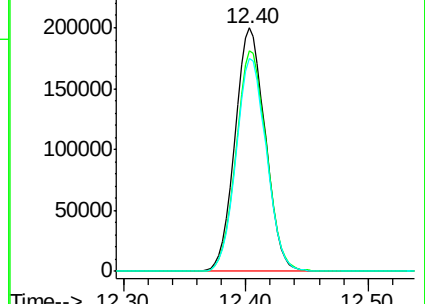
176 87.7 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049866.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049866.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049866.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

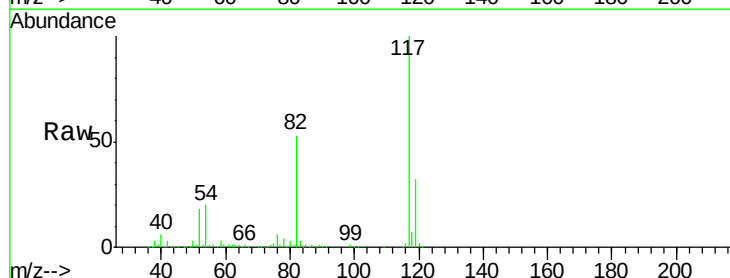
Tgt Ion: 117 Resp: 803979

Ion Ratio Lower Upper

117 100

82 53.3 41.9 62.9

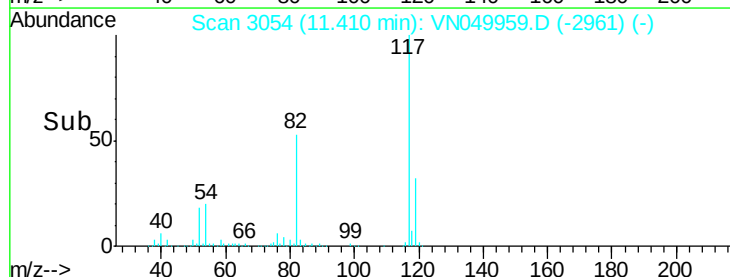
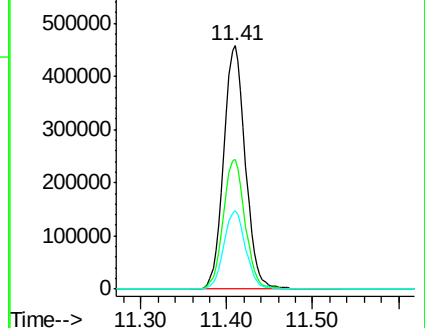
119 32.0 25.4 38.2

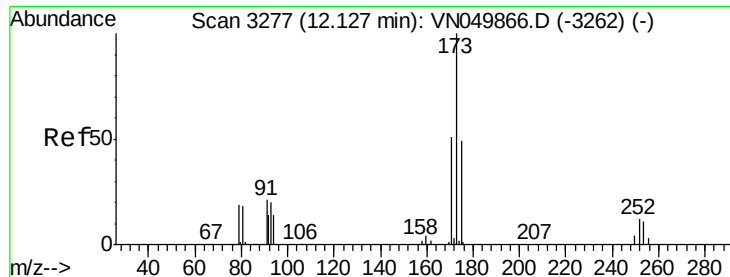


Abundance Ion 116.90 (116.60 to 117.60): VN049866.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049866.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049866.D (-3038) (-)

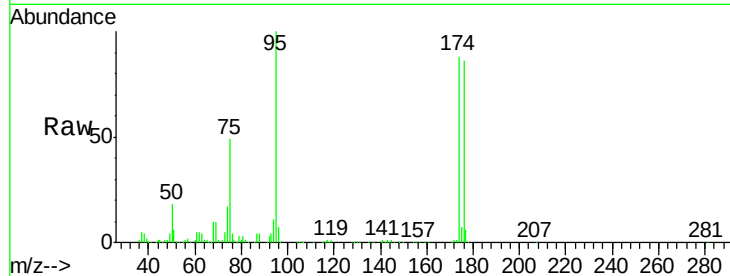




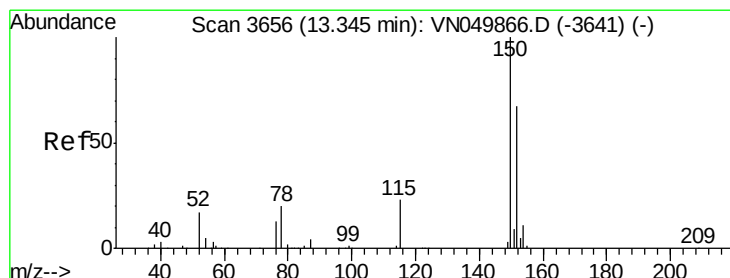
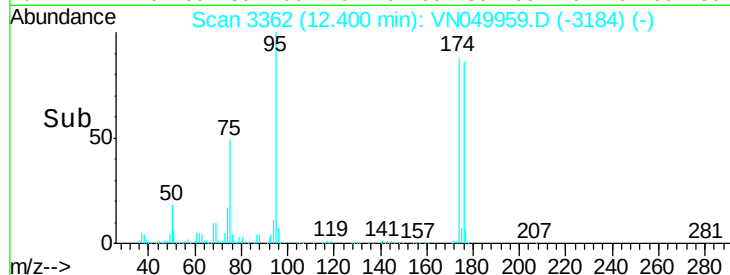
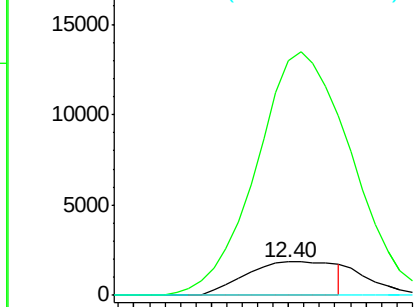
#71
Bromoform
Concen: 0.54 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Instrument :
MSVOA_N
ClientSampled :
PB111289TB

Tot Ion:173 Resp: 3015
Ion Ratio Lower Upper
173 100
175 616.2 24.6 73.8#
254 0.0 0.2 0.2#

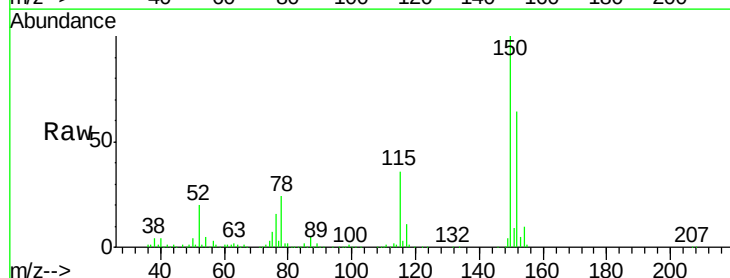


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

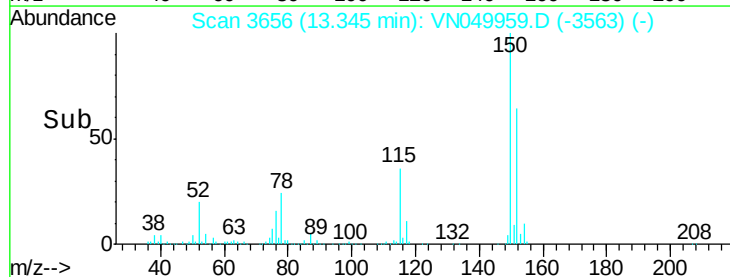
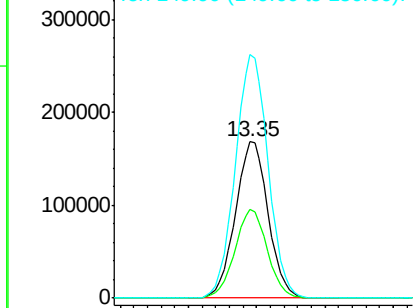


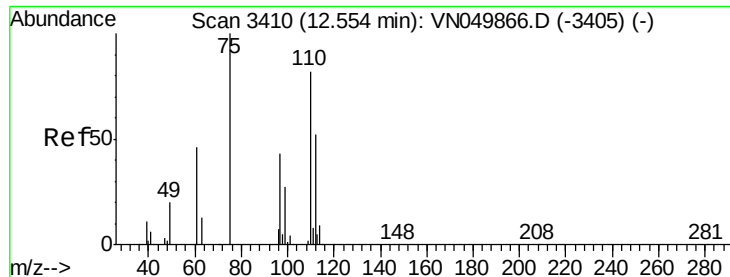
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Tgt Ion:152 Resp: 279226
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.2
150 156.4 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: 32.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampled :

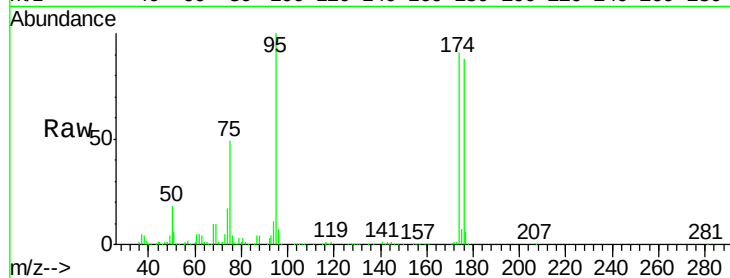
PB111289TB

Tot Ion: 75 Resp: 168717

Ion Ratio Lower Upper

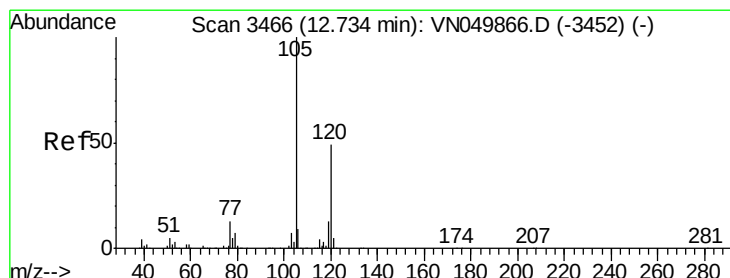
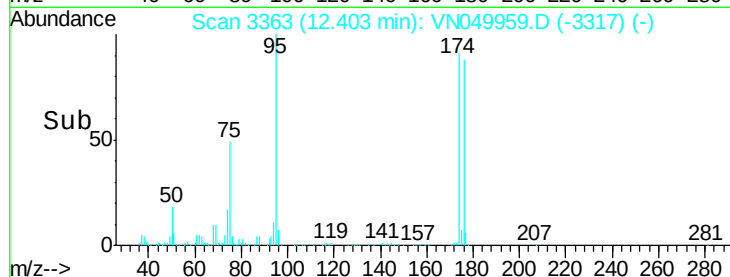
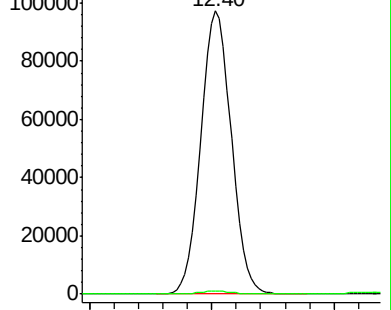
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049866.D (-3405) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049959.D

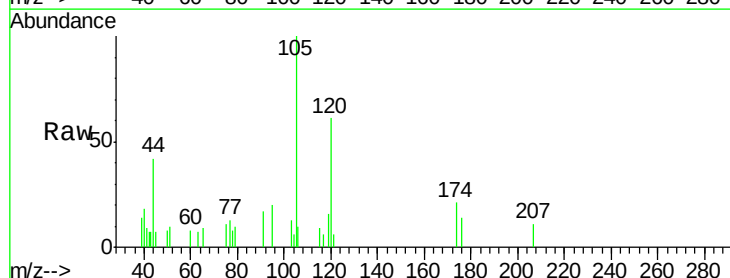
Acq: 20 Jul 2018 13:45

Tgt Ion: 105 Resp: 4809

Ion Ratio Lower Upper

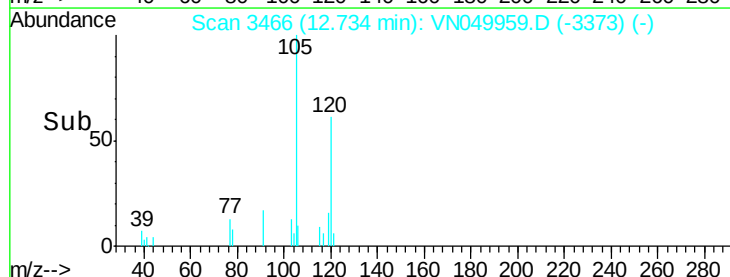
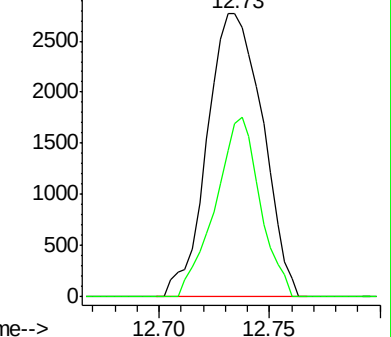
105 100

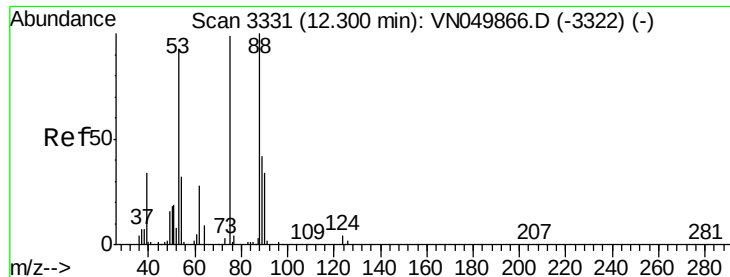
120 51.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)

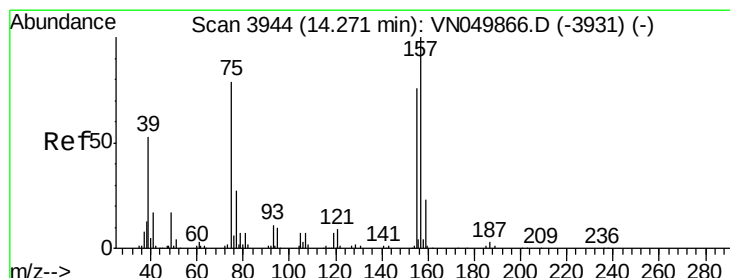
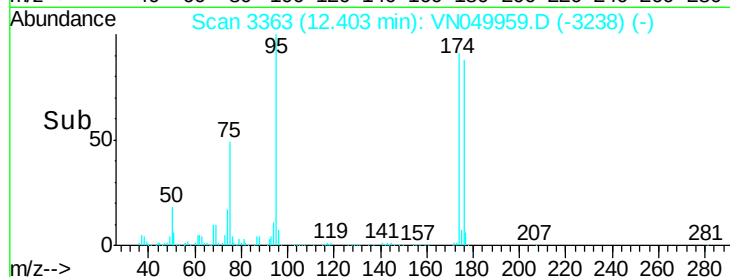
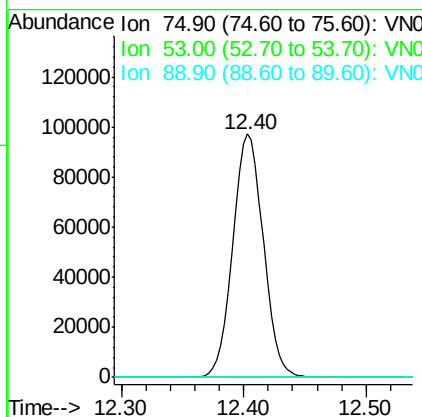
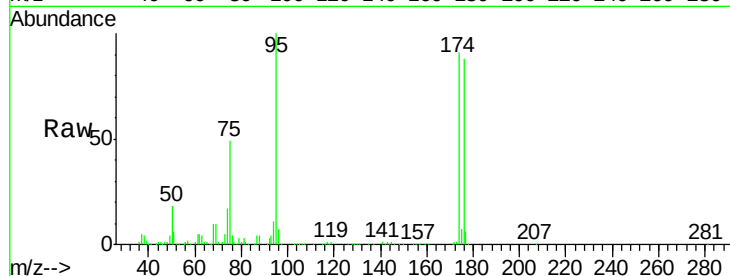




#81
trans-1,4-Dichloro-2-butene
Concen: 100.72 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

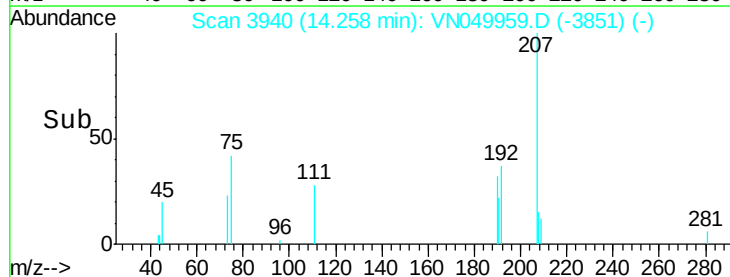
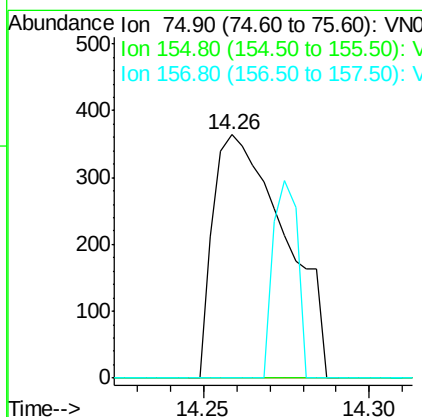
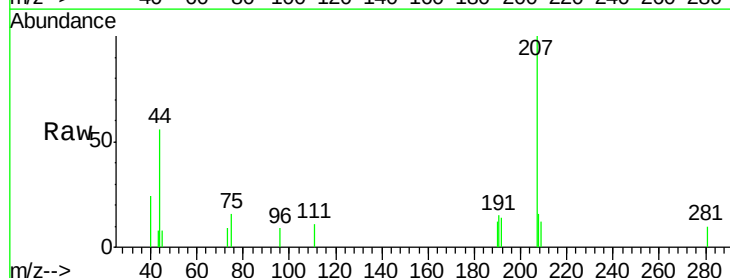
Instrument :
MSVOA_N
ClientSampleId :
PB111289TB

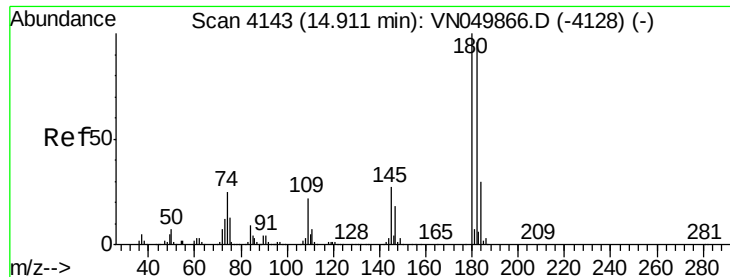
Tot Ion: 75 Resp: 168717
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.0 35.9 53.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.56 ug/l
RT: 14.26 min Scan# 3940
Delta R.T. -0.01 min
Lab File: VN049959.D
Acq: 20 Jul 2018 13:45

Tgt Ion: 75 Resp: 548
Ion Ratio Lower Upper
75 100
155 0.0 45.7 137.1#
157 27.7 56.9 170.7#

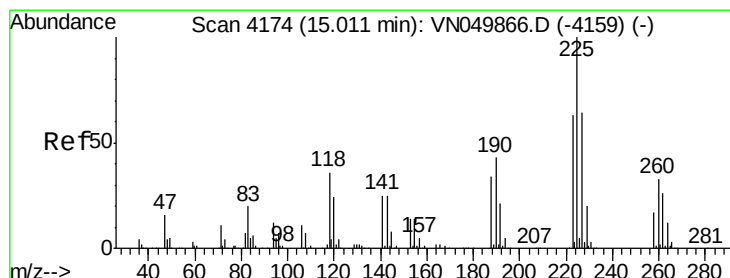
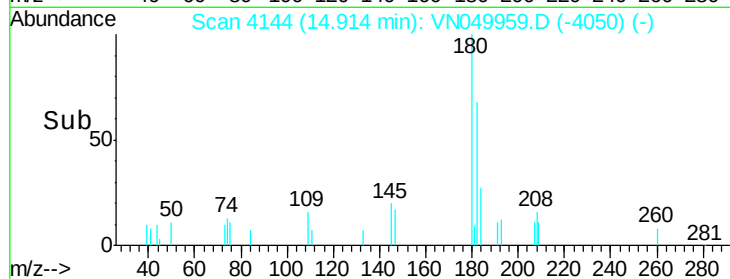
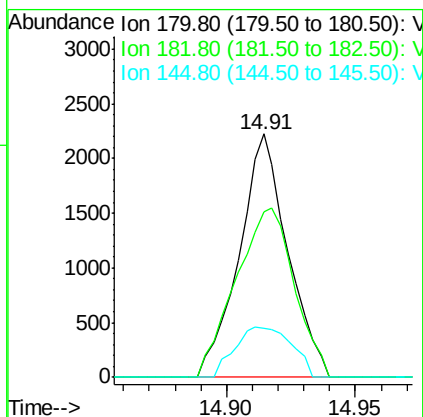
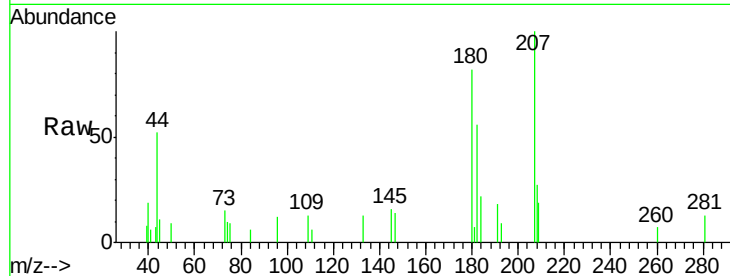




#93
 1,2,4-Trichlorobenzene
 Concen: 3.96 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049959.D
 Acq: 20 Jul 2018 13:45

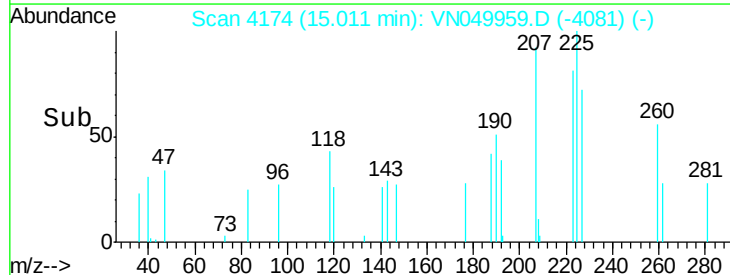
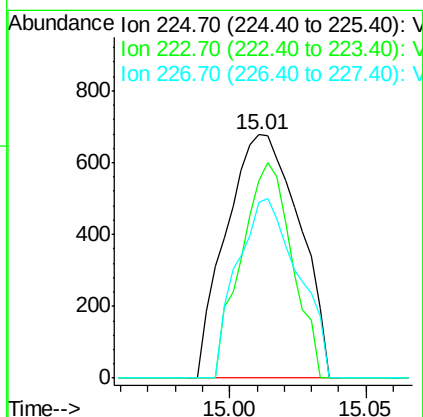
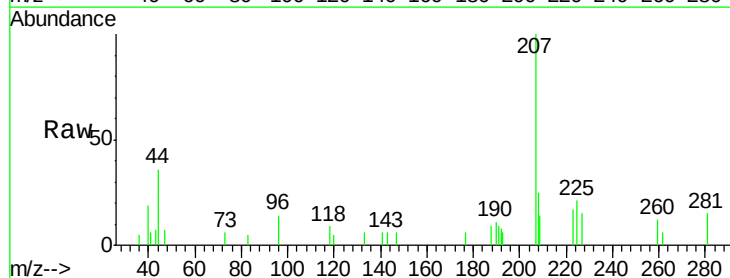
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289TB

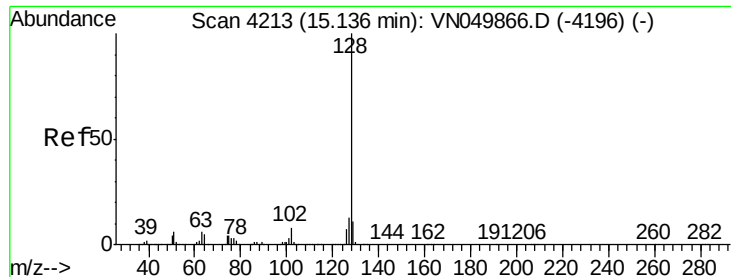
Tot Ion:180 Resp: 2904
 Ion Ratio Lower Upper
 180 100
 182 84.0 47.3 141.9
 145 24.1 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 0.38 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049959.D
 Acq: 20 Jul 2018 13:45

Tgt Ion:225 Resp: 1260
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.9 92.7
 227 61.7 31.8 95.4





#95

Naphthalene

Concen: 5.04 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

PB111289TB

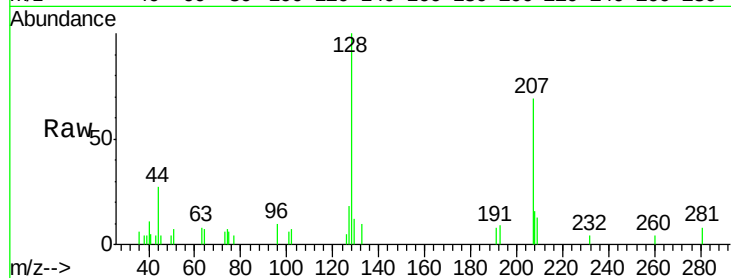
Tot Ion:128 Resp: 7957

Ion Ratio Lower Upper

128 100

127 15.6 10.4 15.6

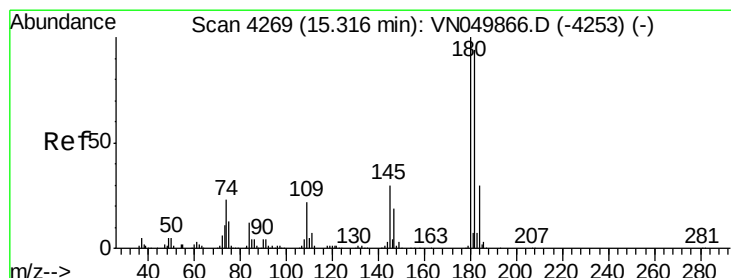
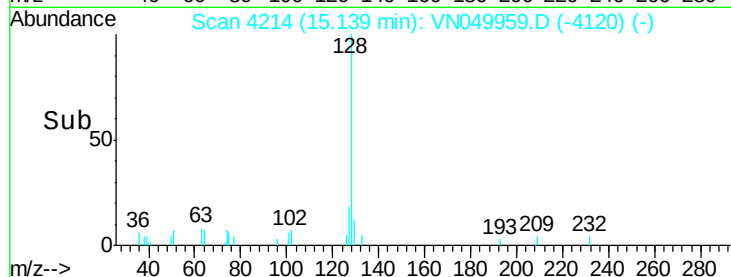
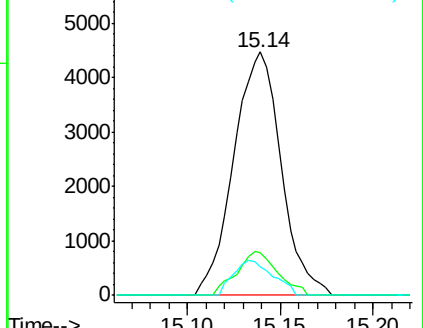
129 11.9 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.65 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049959.D

Acq: 20 Jul 2018 13:45

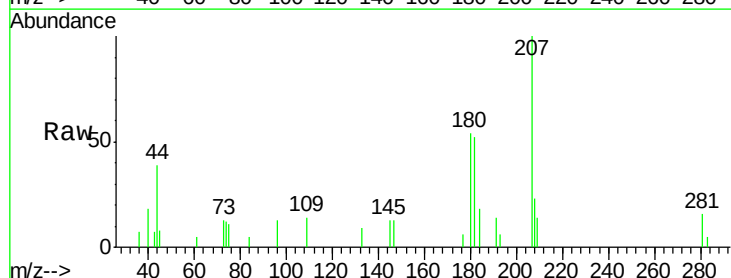
Tgt Ion:180 Resp: 3120

Ion Ratio Lower Upper

180 100

182 87.9 47.4 142.2

145 25.6 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

