

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049857.D
 Acq On : 17 Jul 2018 20:02
 Operator : MD\SY
 Sample : J3994-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE BLANK-SOILREF-5

Quant Time: Jul 18 03:37:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	967648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313182	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	425415	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.59	113	376196	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	10.09	98	1309590	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
62) 4-Bromofluorobenzene	12.40	95	364024	38.57	ug/l	0.00
Spiked Amount			Recovery	=	77.14%	

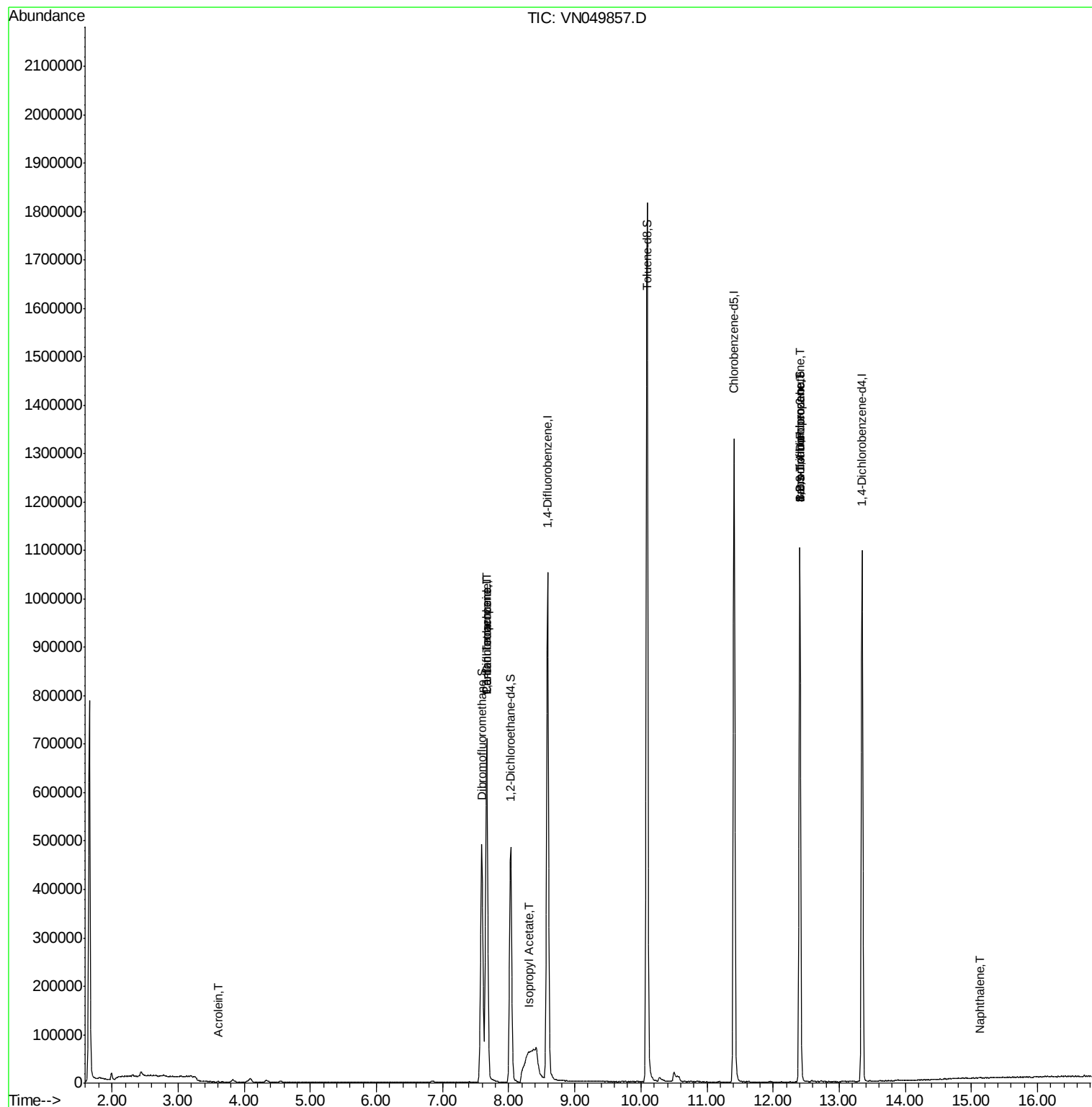
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	300	Below Cal	#	44
3) Chloromethane	2.06	50	1231	Below Cal	#	90
5) Bromomethane	2.56	94	992	Below Cal	#	51
6) Chloroethane	2.73	64	29	Below Cal	#	43
7) Trichlorofluoromethane	3.00	101	30	Below Cal	#	17
13) Acrolein	3.61	56	108	15.93	ug/l	# 15
16) Acetone	3.83	43	9255	Below Cal	#	96
17) Carbon Disulfide	4.05	76	2794	Below Cal	#	75
18) Methyl Acetate	4.34	43	8939	Below Cal	#	82
20) Methylene Chloride	4.55	84	1728	Below Cal	#	93
31) Cyclohexane	7.67	56	12011	Below Cal	#	15
36) 1,1-Dichloropropene	7.67	75	42536	4.15	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	54724	5.07	ug/l	# 16
43) Isopropyl Acetate	8.31	43	117431	9.04	ug/l	# 62
71) Bromoform	12.40	173	3158	0.55	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	179334	29.27	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	179334	95.78	ug/l	# 13
95) Naphthalene	15.13	128	437	2.85	ug/l	# 69

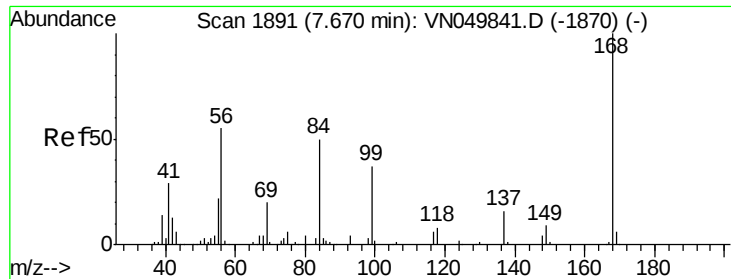
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 17 13:20:18 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

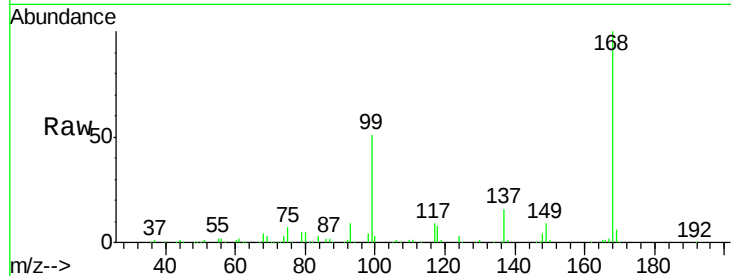
STORAGEBLANK-SOILREF-5

Tot Ion:168 Resp: 604812

Ion Ratio Lower Upper

168 100

99 50.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

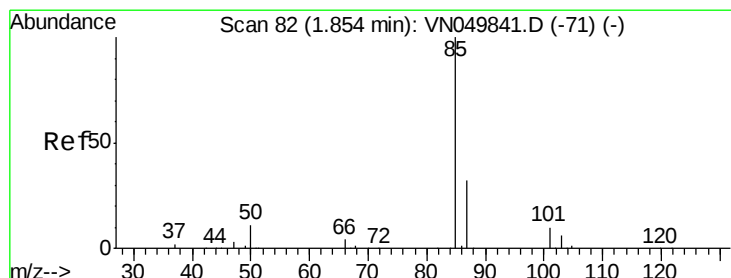
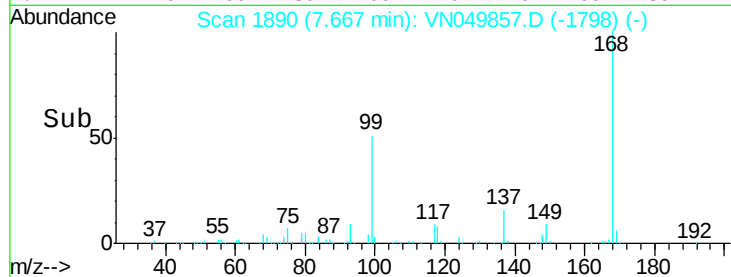
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049857.D

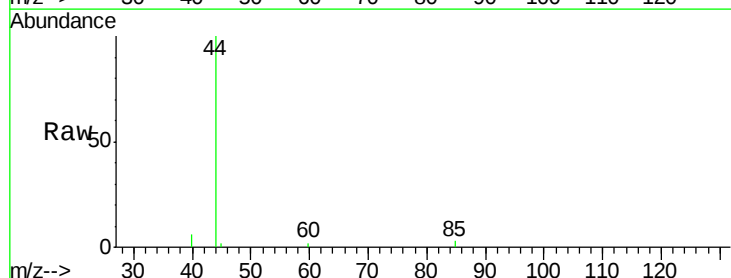
Acq: 17 Jul 2018 20:02

Tgt Ion: 85 Resp: 300

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

1.85

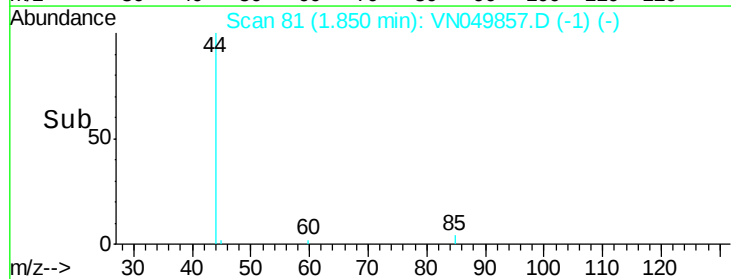
300

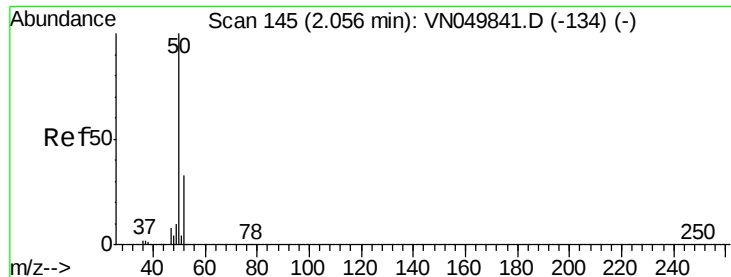
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

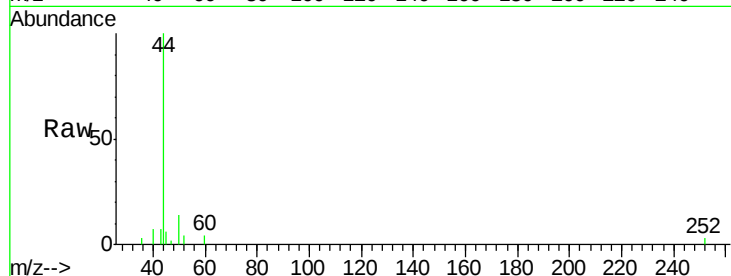
STORAGEBLANK-SOILREF-5

Tot Ion: 50 Resp: 1231

Ion Ratio Lower Upper

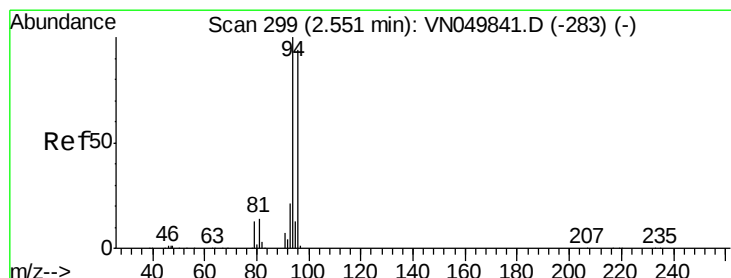
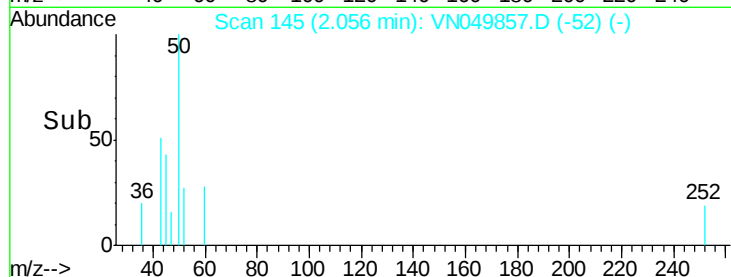
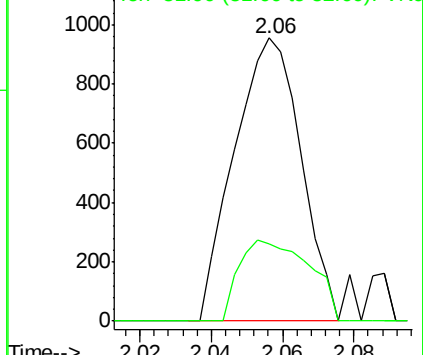
50 100

52 27.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN049857.D

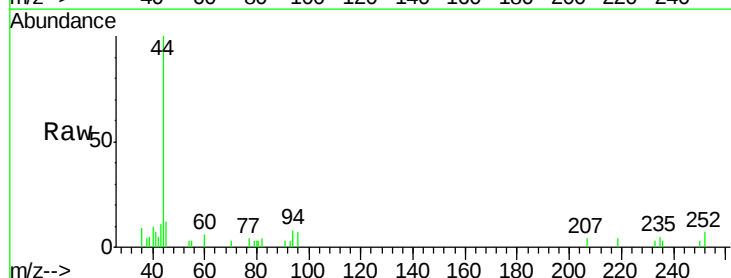
Acq: 17 Jul 2018 20:02

Tgt Ion: 94 Resp: 992

Ion Ratio Lower Upper

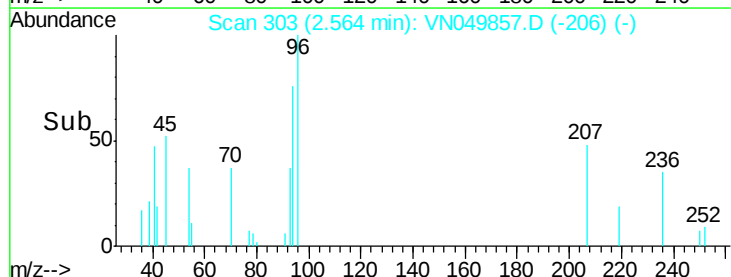
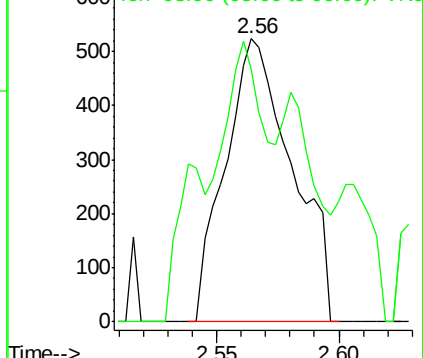
94 100

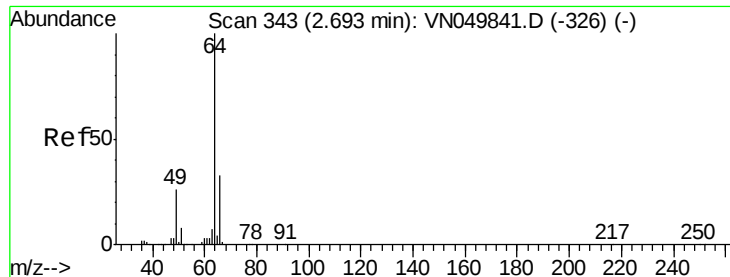
96 47.4 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#6

Chloroethane

Concen: Below Cal

RT: 2.73 min Scan# 356

Delta R.T. 0.04 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

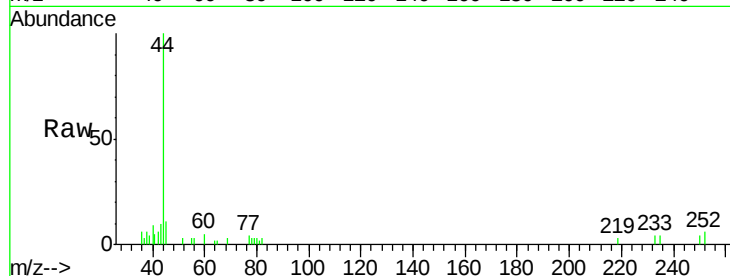
STORAGEBLANK-SOILREF-5

Tot Ion: 64 Resp: 29

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VN049841.D (-326) (-)

Ion 65.90 (65.60 to 66.60): VN049841.D (-326) (-)

2.73

150

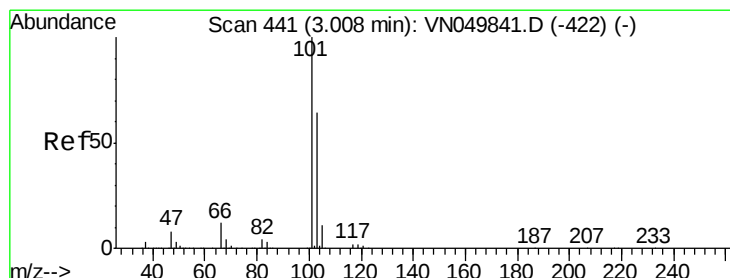
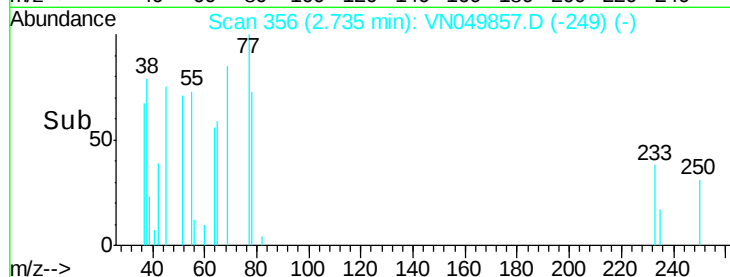
100

50

0

2.73 2.73 2.73 2.74 2.75

Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 439

Delta R.T. -0.01 min

Lab File: VN049857.D

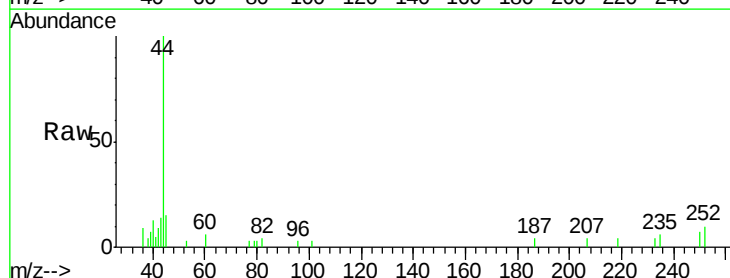
Acq: 17 Jul 2018 20:02

Tgt Ion: 101 Resp: 30

Ion Ratio Lower Upper

101 100

103 0.0 52.8 79.2#



Abundance Ion 100.90 (100.60 to 101.60): VN049841.D (-422) (-)

Ion 102.80 (102.50 to 103.50): VN049841.D (-422) (-)

3.00

150

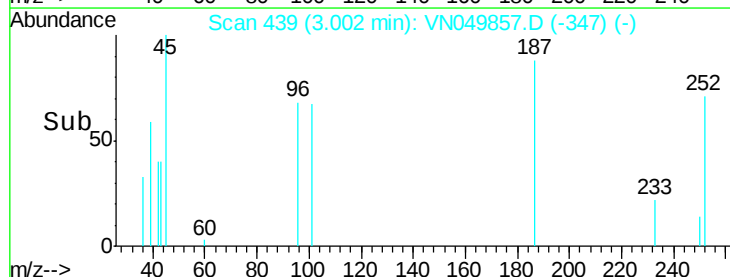
100

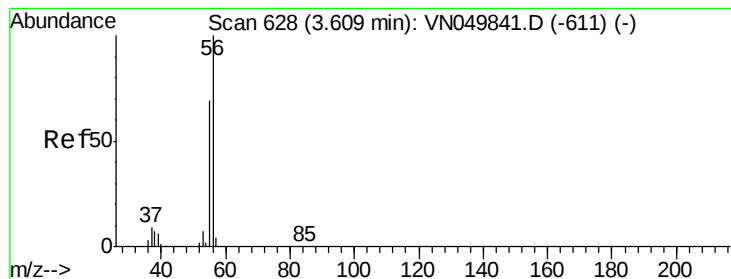
50

0

3.00 3.00 3.00 3.00 3.00

Time-->





#13

Acrolein

Concen: 15.93 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

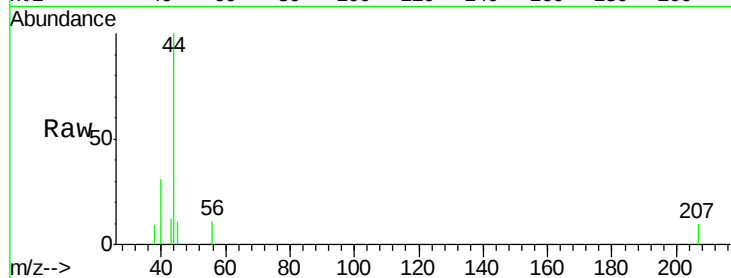
STORAGEBLANK-SOILREF-5

Tot Ion: 56 Resp: 108

Ion Ratio Lower Upper

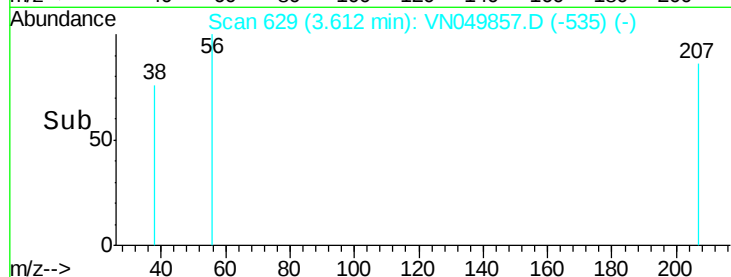
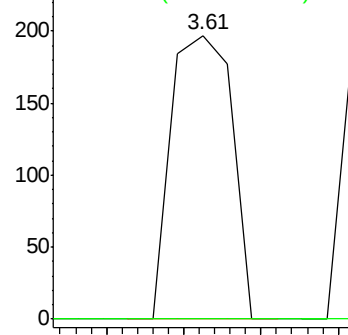
56 100

55 0.0 55.8 83.8#

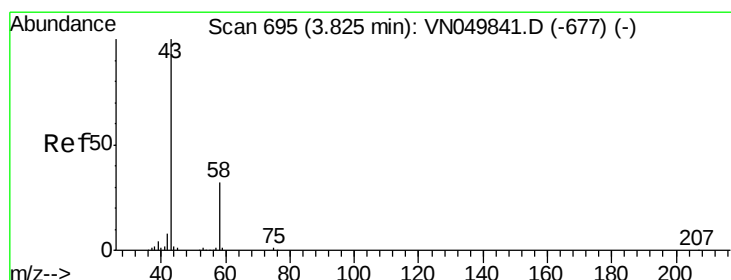


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049857.D

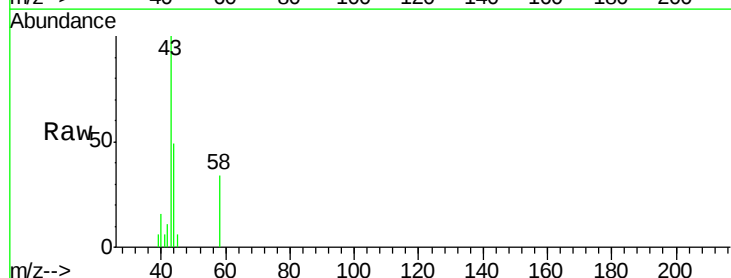
Acq: 17 Jul 2018 20:02

Tgt Ion: 43 Resp: 9255

Ion Ratio Lower Upper

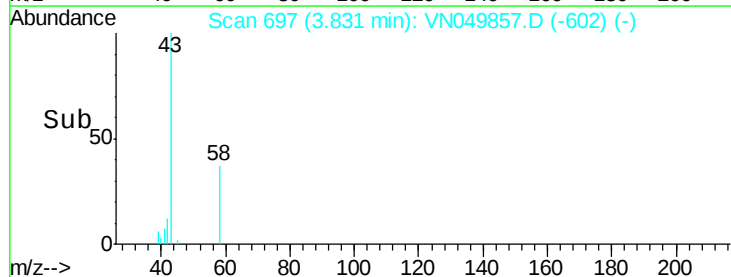
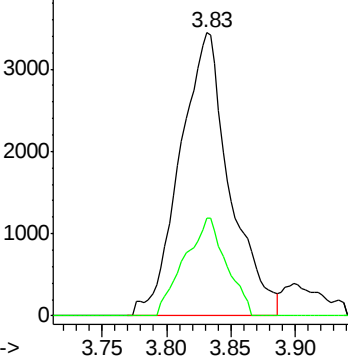
43 100

58 34.4 25.9 38.9

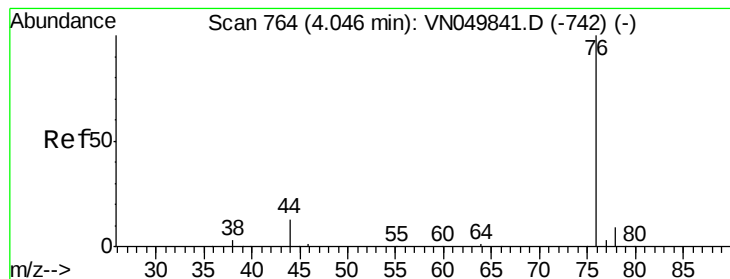


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

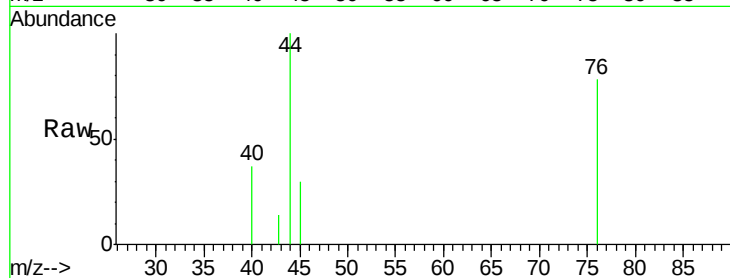
STORAGEBLANK-SOILREF-5

Tot Ion: 76 Resp: 2794

Ion Ratio Lower Upper

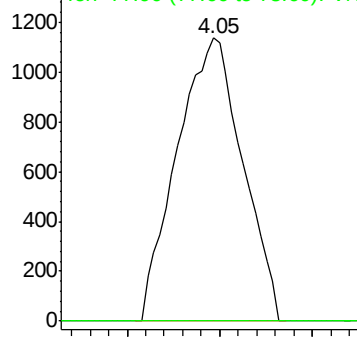
76 100

78 0.0 7.1 10.7#

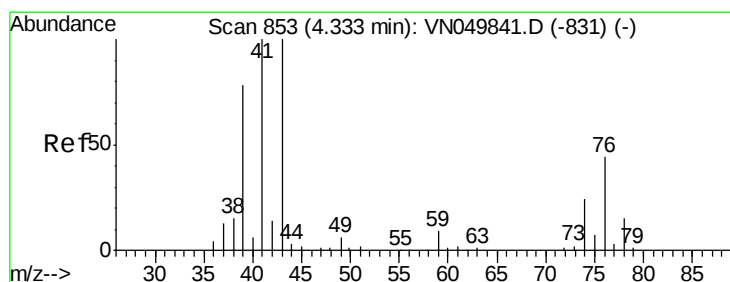
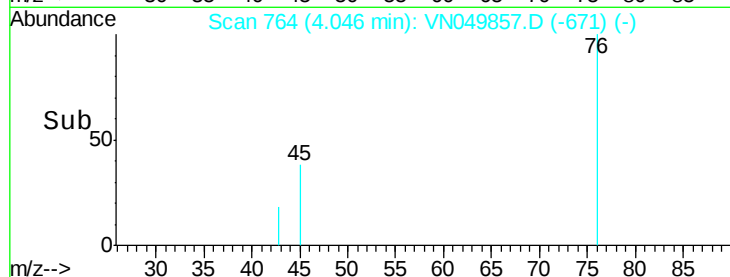


Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN049857.D

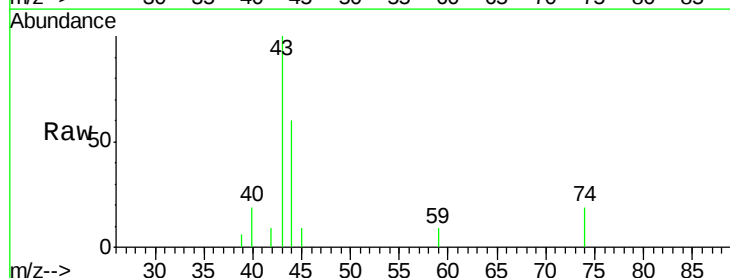
Acq: 17 Jul 2018 20:02

Tgt Ion: 43 Resp: 8939

Ion Ratio Lower Upper

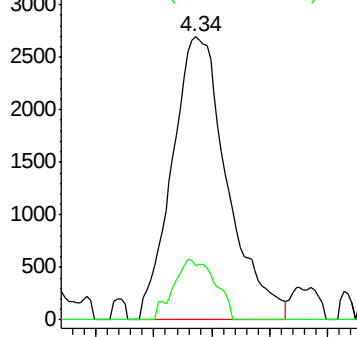
43 100

74 16.0 19.8 29.8#

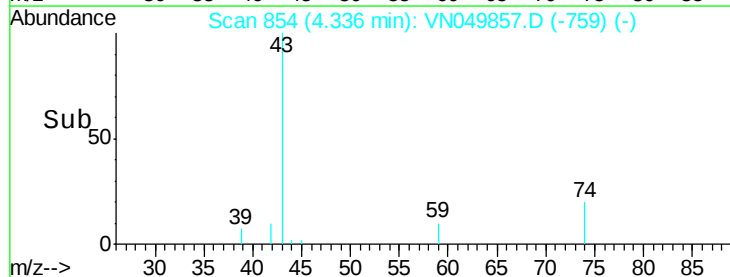


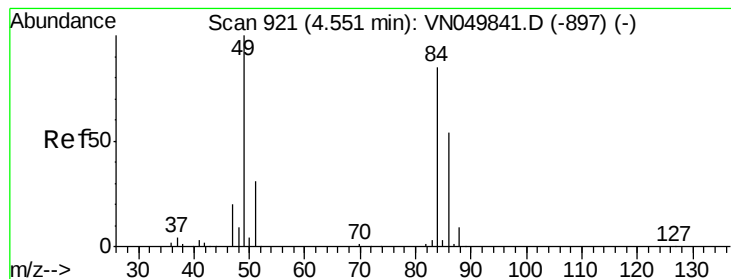
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO



Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

Tot Ion: 84 Resp: 1728

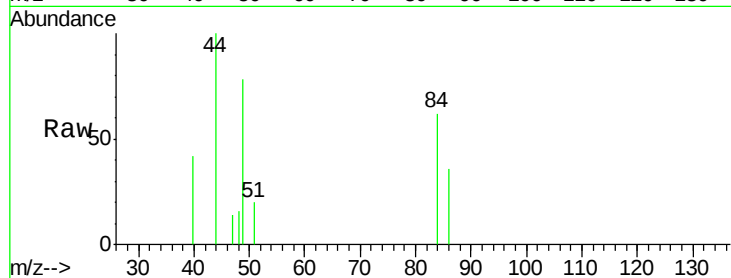
Ion Ratio Lower Upper

84 100

49 126.5 95.4 143.2

51 32.5 28.4 42.6

86 58.0 52.6 79.0

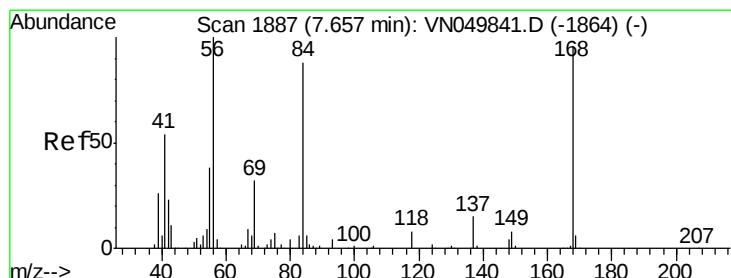
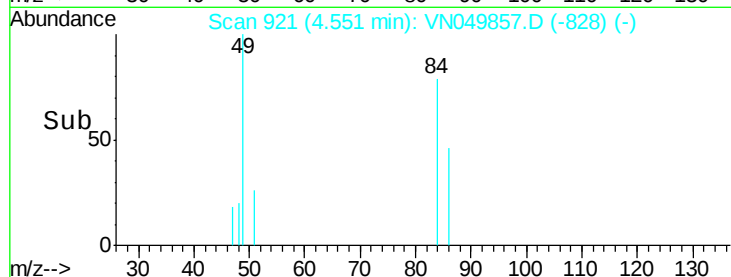
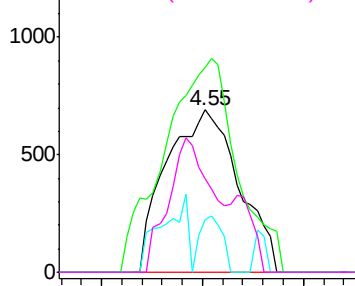


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

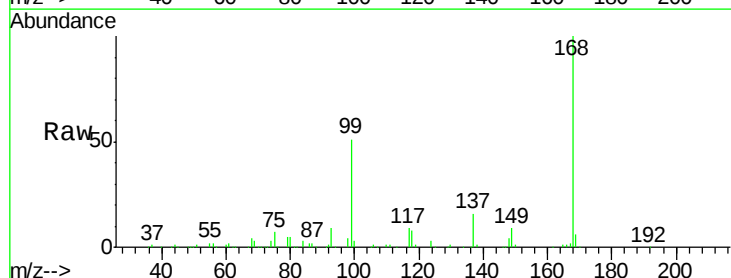
Tgt Ion: 56 Resp: 12011

Ion Ratio Lower Upper

56 100

69 156.5 26.6 40.0#

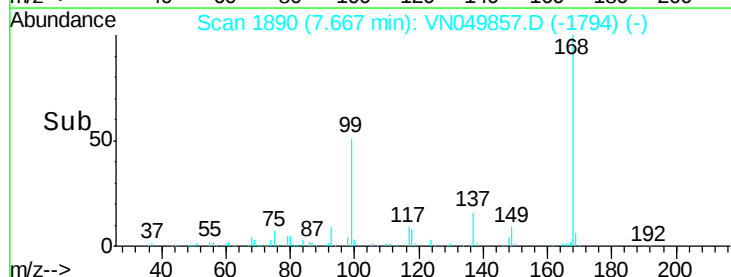
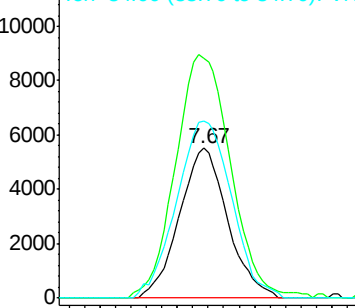
84 118.2 69.0 103.6#

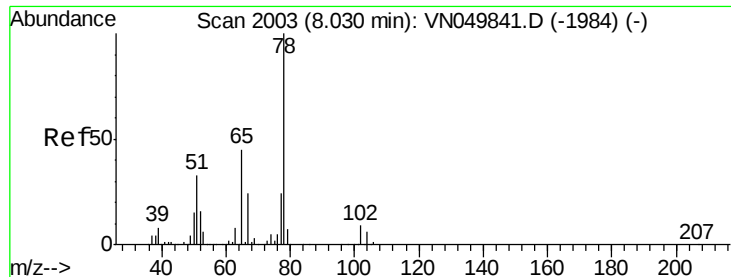


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.51 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

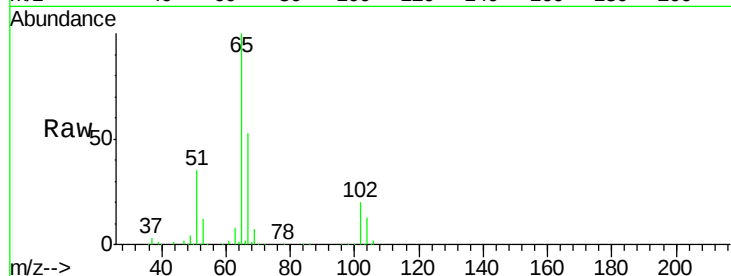
STORAGEBLANK-SOILREF-5

Tot Ion: 65 Resp: 425415

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049841.D (-1984) (-)

Ion 66.90 (66.60 to 67.60): VN049841.D (-1984) (-)

8.03

200000

150000

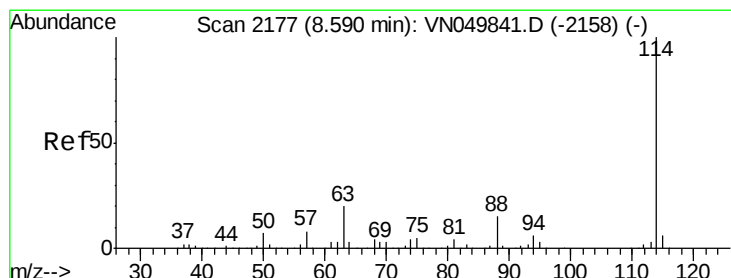
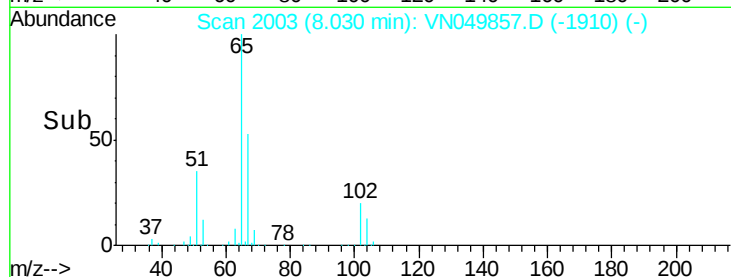
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

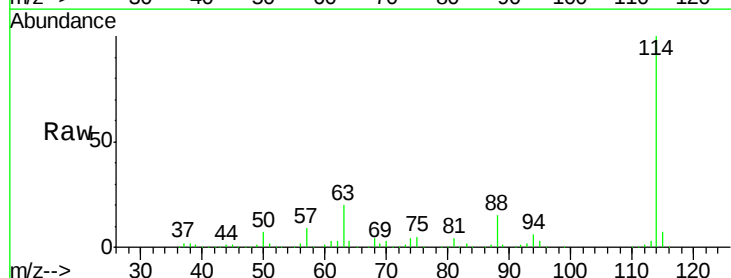
Tgt Ion: 114 Resp: 967648

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049841.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN049841.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN049841.D (-2158) (-)

8.59

600000

500000

400000

300000

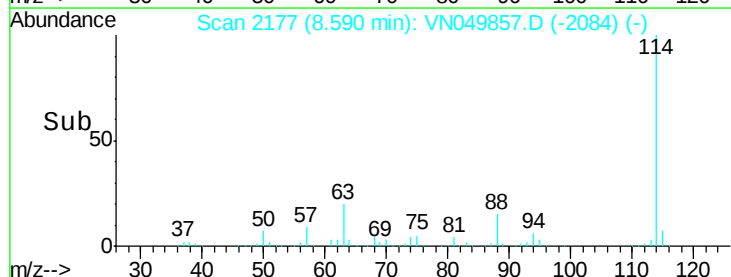
200000

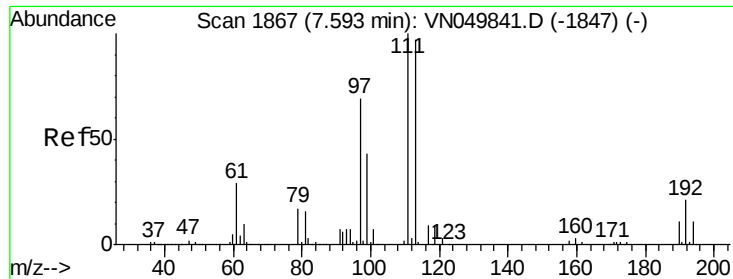
100000

0

8.50 8.60 8.70 8.80

Time-->

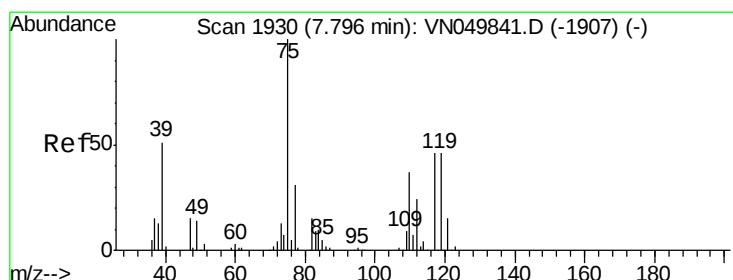
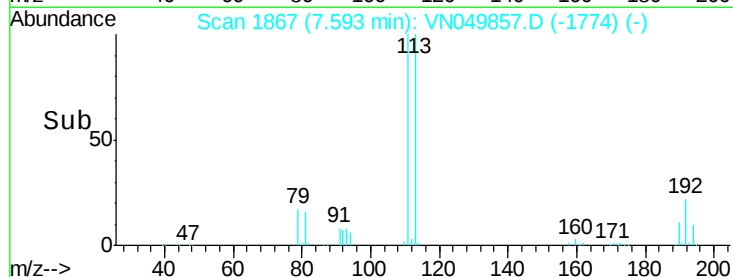
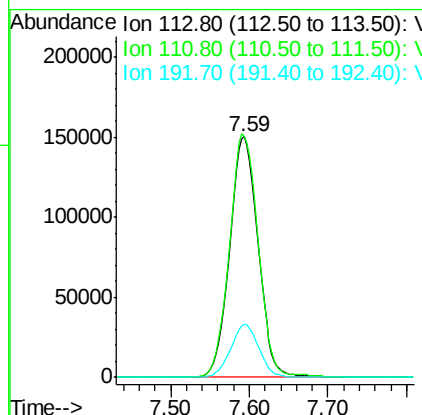
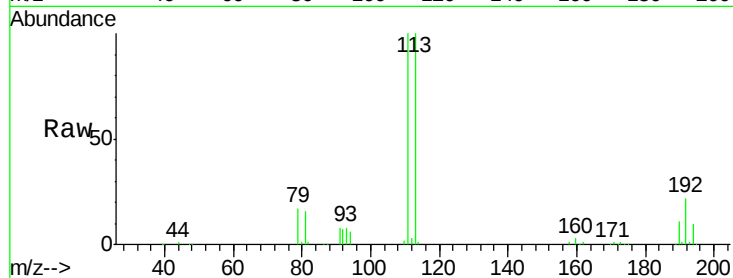




#35
 Dibromofluoromethane
 Concen: 49.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049857.D
 Acq: 17 Jul 2018 20:02

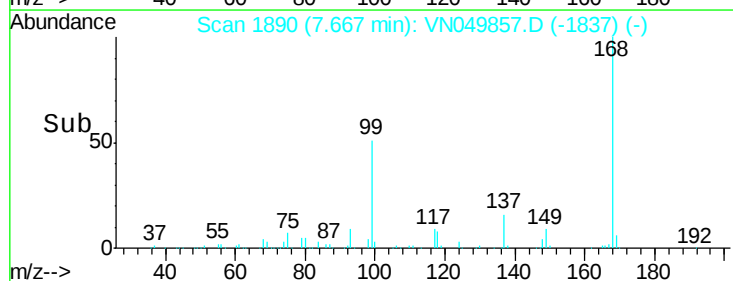
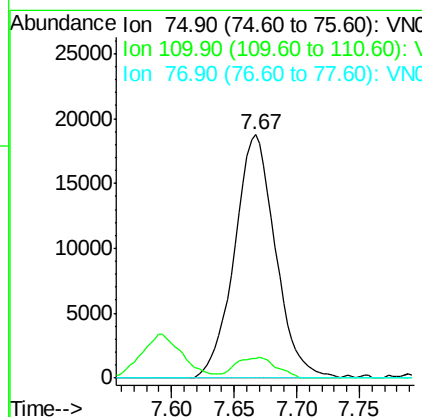
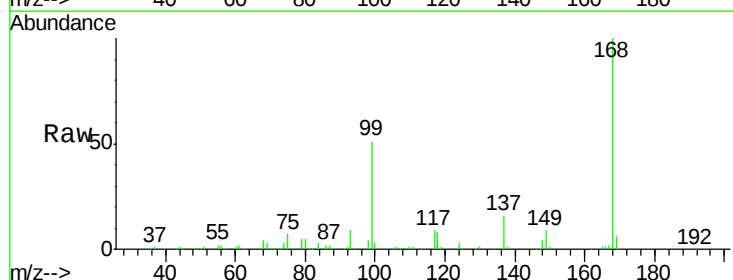
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SOILREF-5

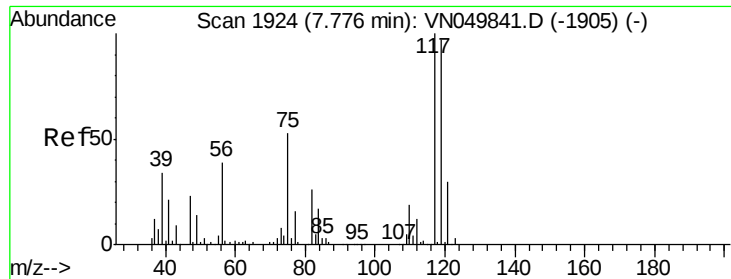
Tot Ion:113 Resp: 376196
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.8
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 4.15 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049857.D
 Acq: 17 Jul 2018 20:02

Tgt Ion: 75 Resp: 42536
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.4#
 77 0.0 24.9 37.3#

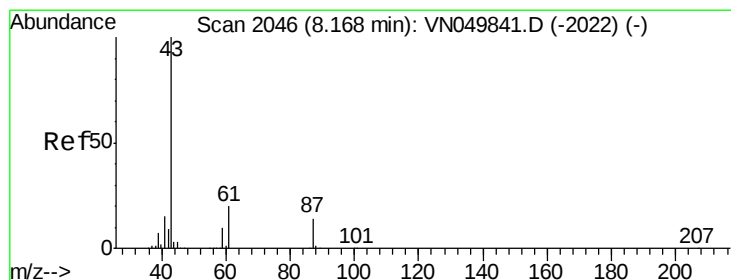
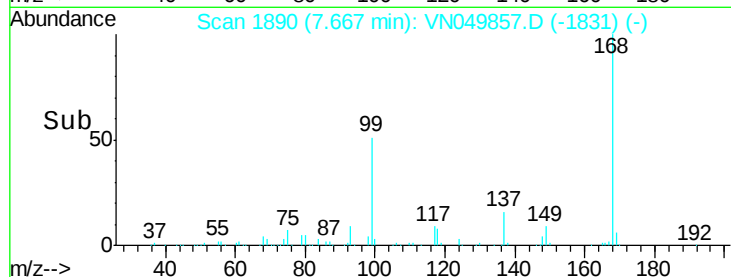
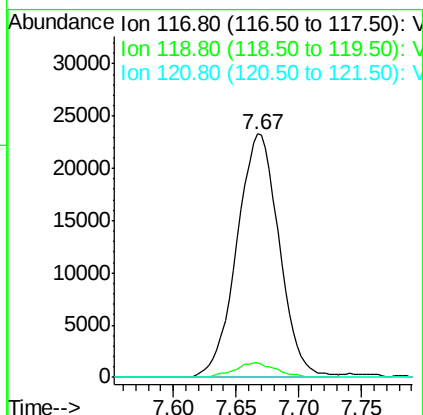
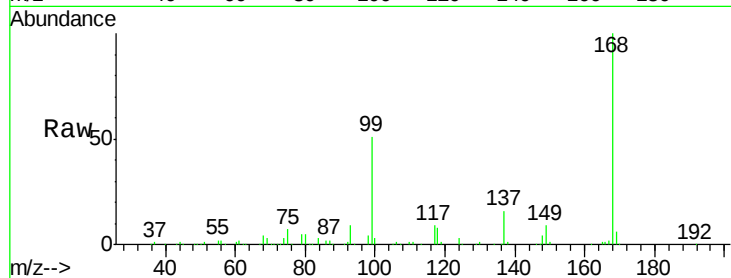




#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049857.D
Acq: 17 Jul 2018 20:02

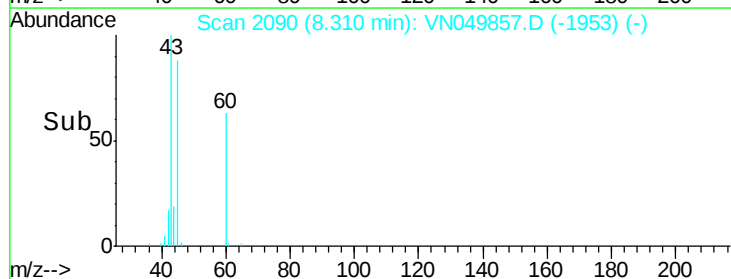
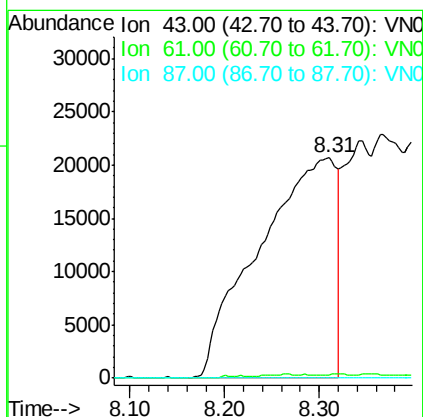
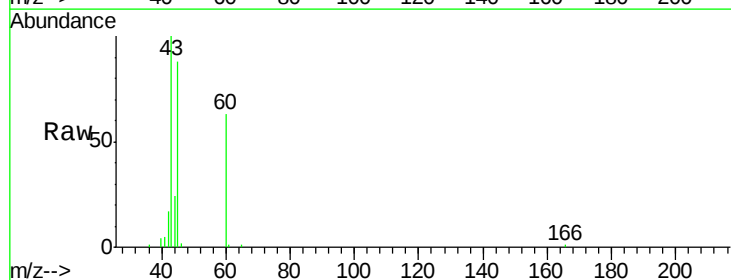
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-5

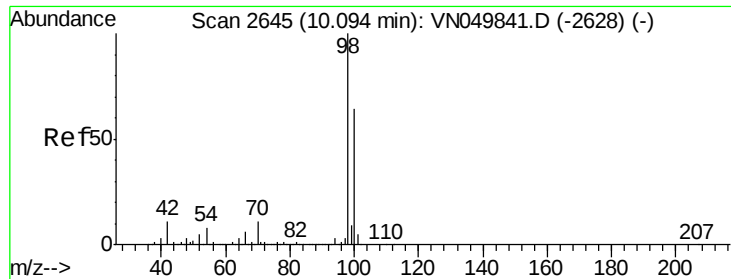
Tot Ion:117 Resp: 54724
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 9.04 ug/l
RT: 8.31 min Scan# 2090
Delta R.T. 0.14 min
Lab File: VN049857.D
Acq: 17 Jul 2018 20:02

Tgt Ion: 43 Resp: 117431
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#

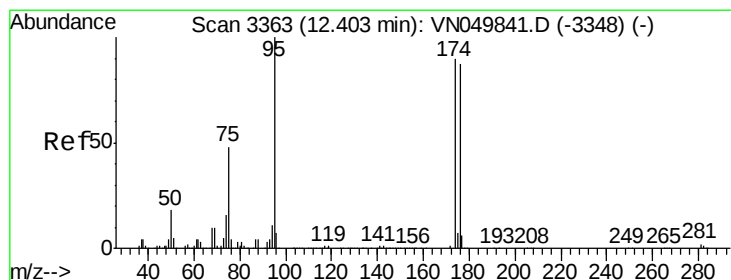
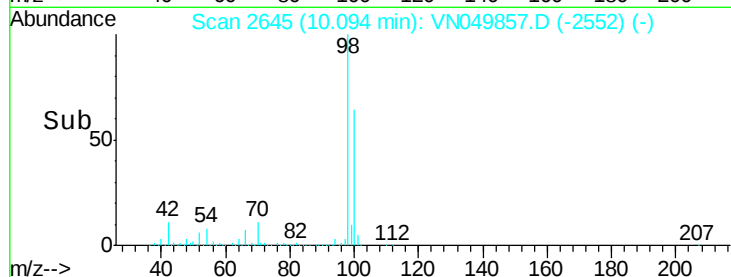
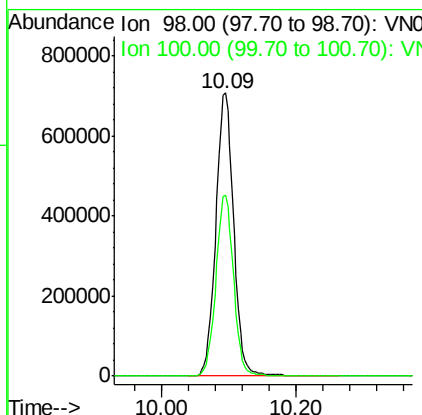
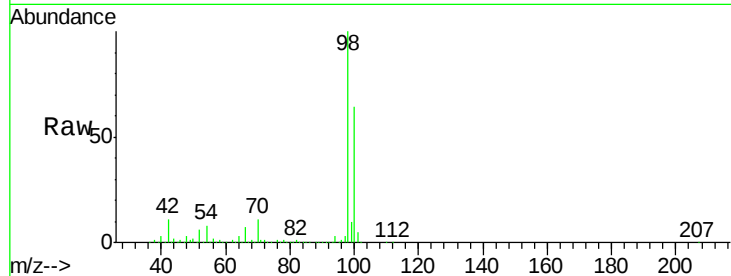




#50
Toluene-d8
Concen: 46.47 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049857.D
Acq: 17 Jul 2018 20:02

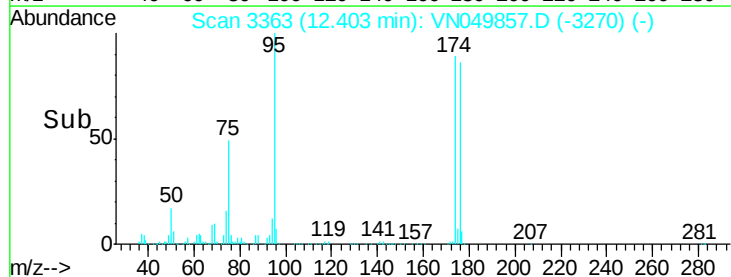
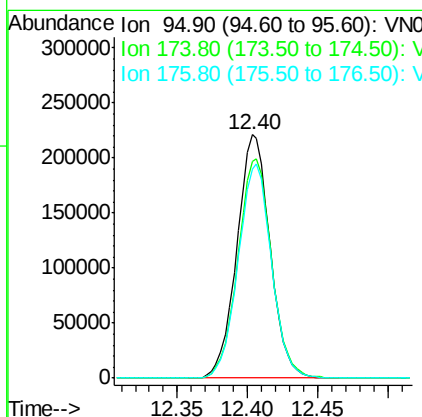
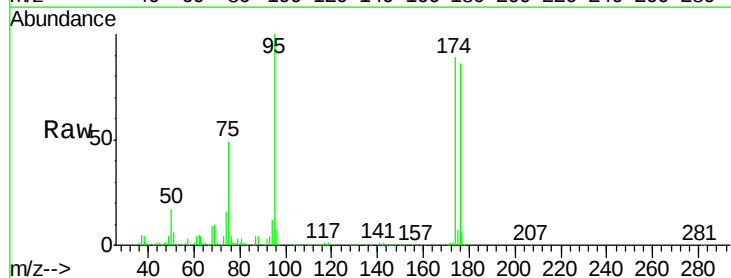
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-5

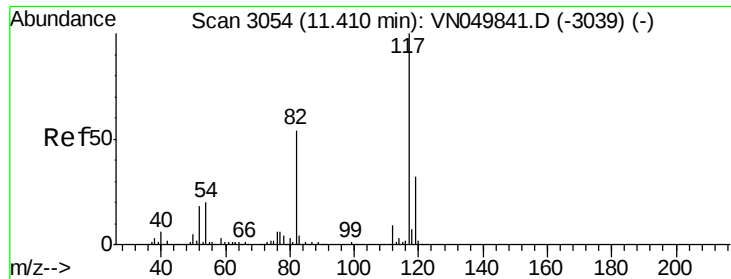
Tot Ion: 98 Resp: 1309590
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 38.57 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049857.D
Acq: 17 Jul 2018 20:02

Tgt Ion: 95 Resp: 364024
Ion Ratio Lower Upper
95 100
174 91.5 0.0 179.6
176 88.4 0.0 174.0

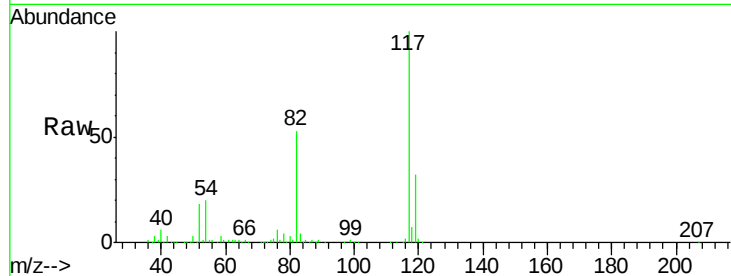




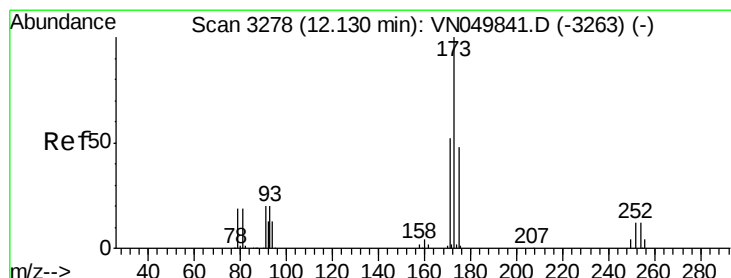
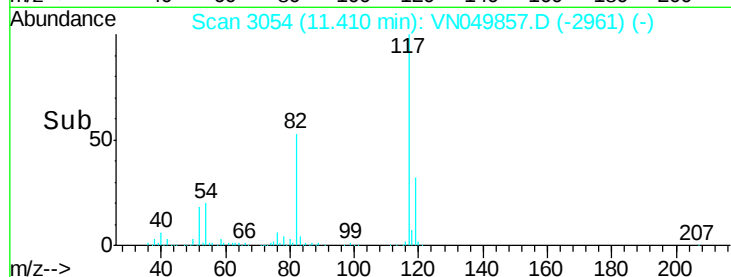
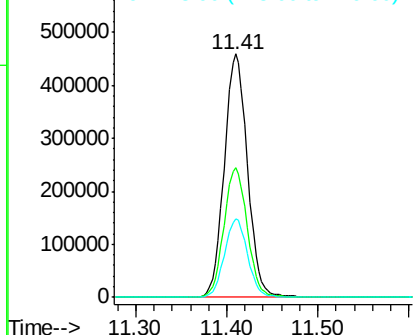
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049857.D
Acq: 17 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-5

Tot Ion:117 Resp: 812536
Ion Ratio Lower Upper
117 100
82 53.3 41.9 62.9
119 32.5 25.4 38.2

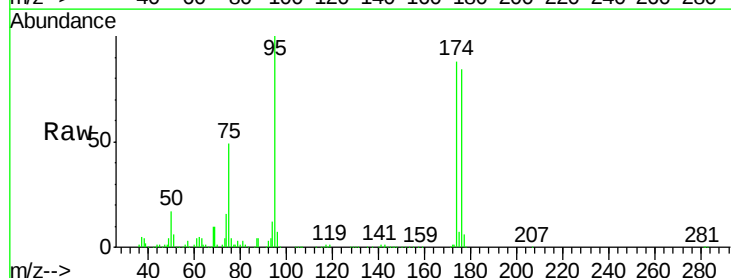


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

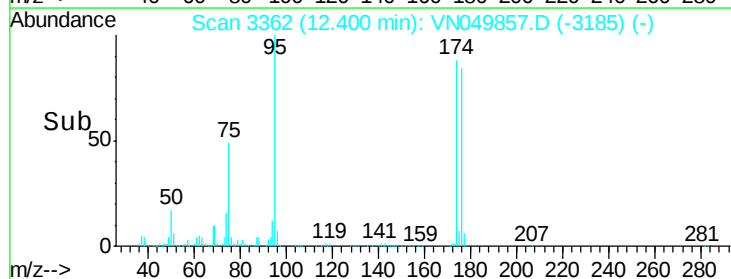
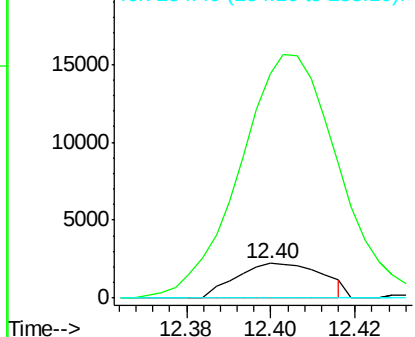


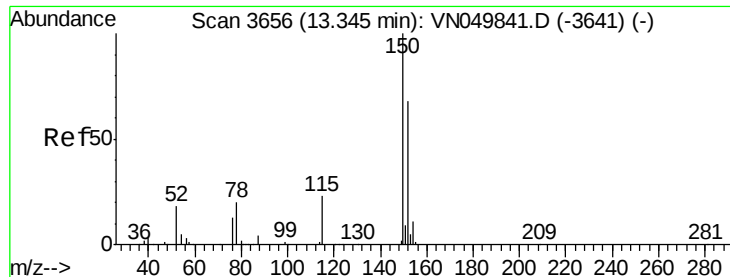
#71
Bromoform
Concen: 0.55 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049857.D
Acq: 17 Jul 2018 20:02

Tgt Ion:173 Resp: 3158
Ion Ratio Lower Upper
173 100
175 712.6 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: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

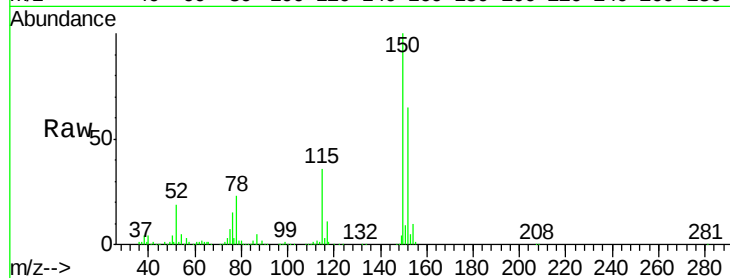
Tot Ion:152 Resp: 313182

Ion Ratio Lower Upper

152 100

115 55.2 28.1 84.2

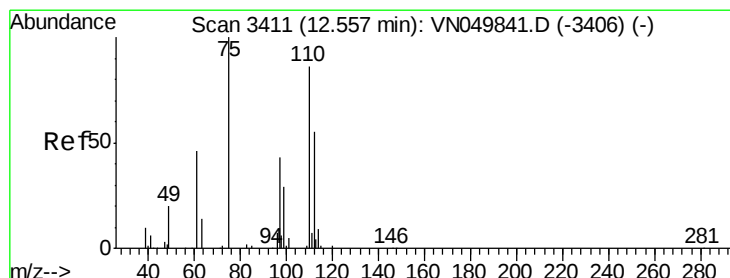
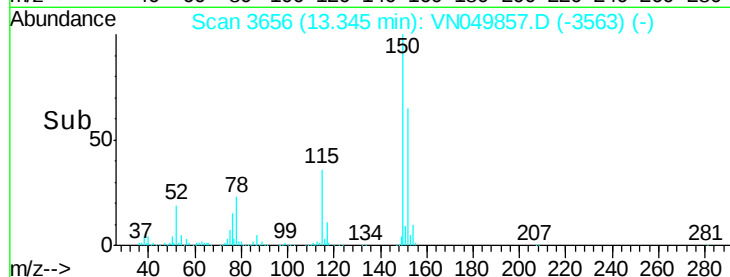
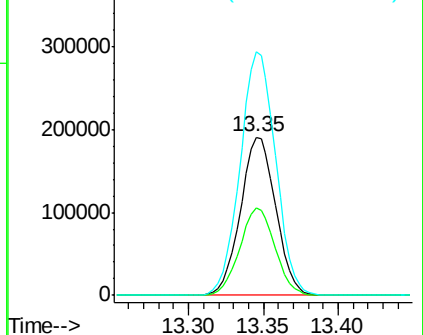
150 155.0 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.27 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049857.D

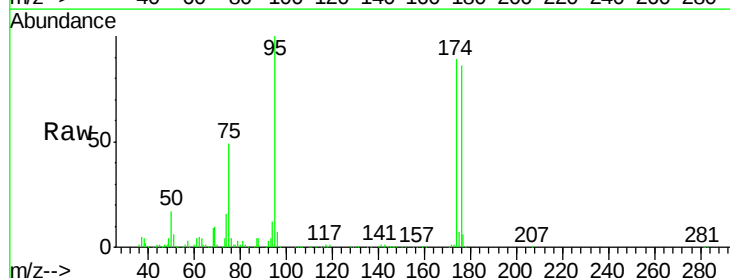
Acq: 17 Jul 2018 20:02

Tgt Ion: 75 Resp: 179334

Ion Ratio Lower Upper

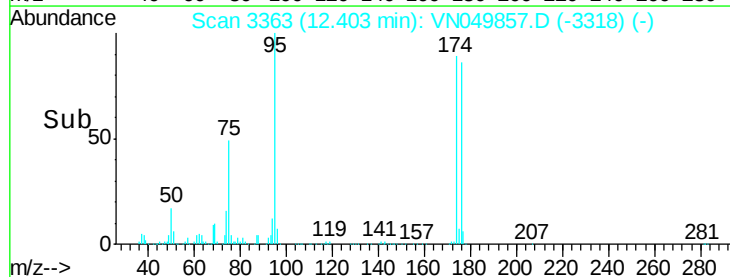
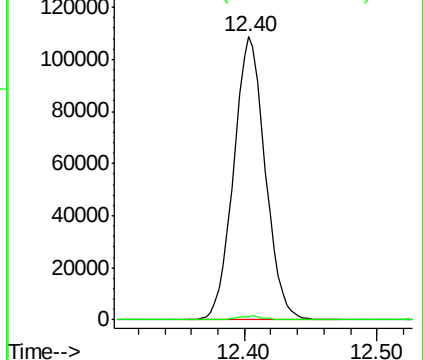
75 100

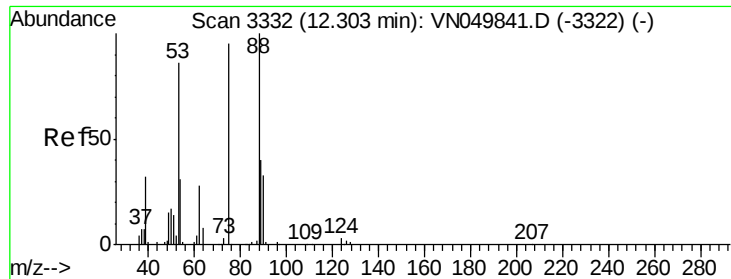
77 1.2 0.0 0.0#



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: 95.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

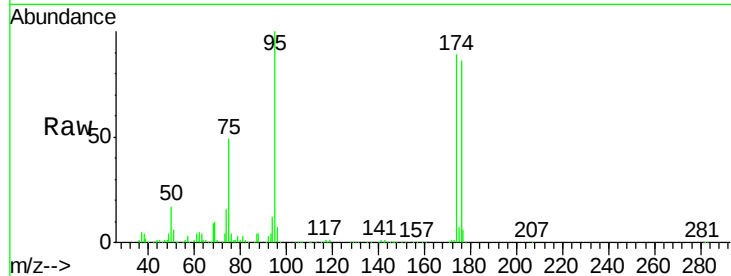
Tot Ion: 75 Resp: 179334

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

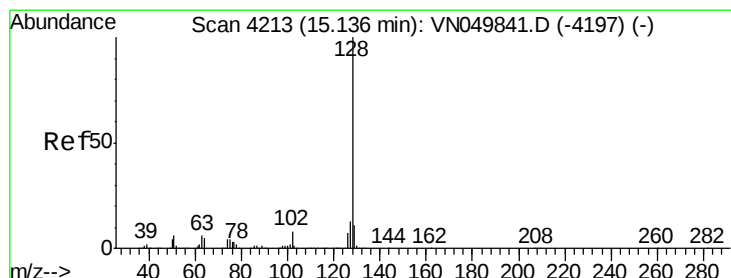
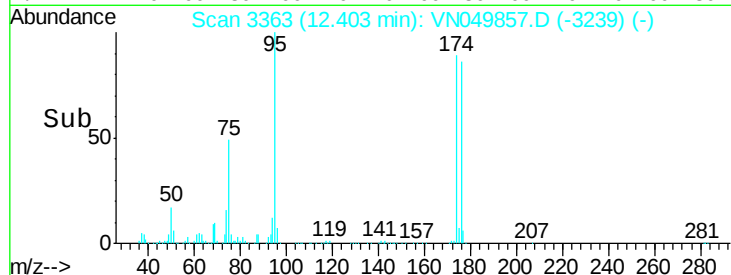
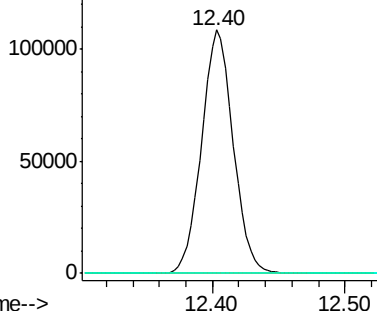
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049857.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049857.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049857.D (-3363) (-)



#95

Naphthalene

Concen: 2.85 ug/l

RT: 15.13 min Scan# 4211

Delta R.T. -0.01 min

Lab File: VN049857.D

Acq: 17 Jul 2018 20:02

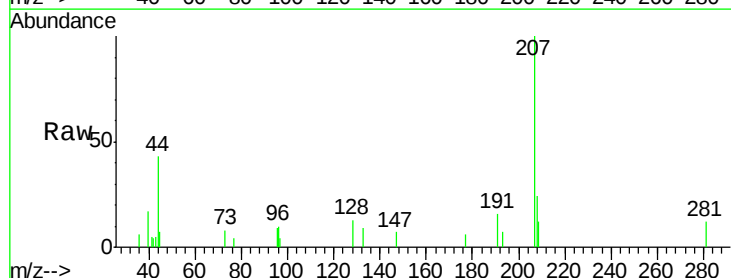
Tgt Ion: 128 Resp: 437

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN049857.D (-4213) (-)

Ion 127.00 (126.70 to 127.70): VN049857.D (-4213) (-)

Ion 129.00 (128.70 to 129.70): VN049857.D (-4213) (-)

