

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049856.D
 Acq On : 17 Jul 2018 19:36
 Operator : MD\SY
 Sample : J3994-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE BLANK-SOILREF-6

Quant Time: Jul 18 03:37:17 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	605906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	966823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	788379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292106	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	418253	51.53	ug/l	0.00
Spiked Amount						
			Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	366927	47.85	ug/l	0.00
Spiked Amount						
			Recovery	=	95.70%	
50) Toluene-d8	10.09	98	1285488	45.65	ug/l	0.00
Spiked Amount						
			Recovery	=	91.30%	
62) 4-Bromofluorobenzene	12.40	95	351480	37.28	ug/l	0.00
Spiked Amount						
			Recovery	=	74.56%	

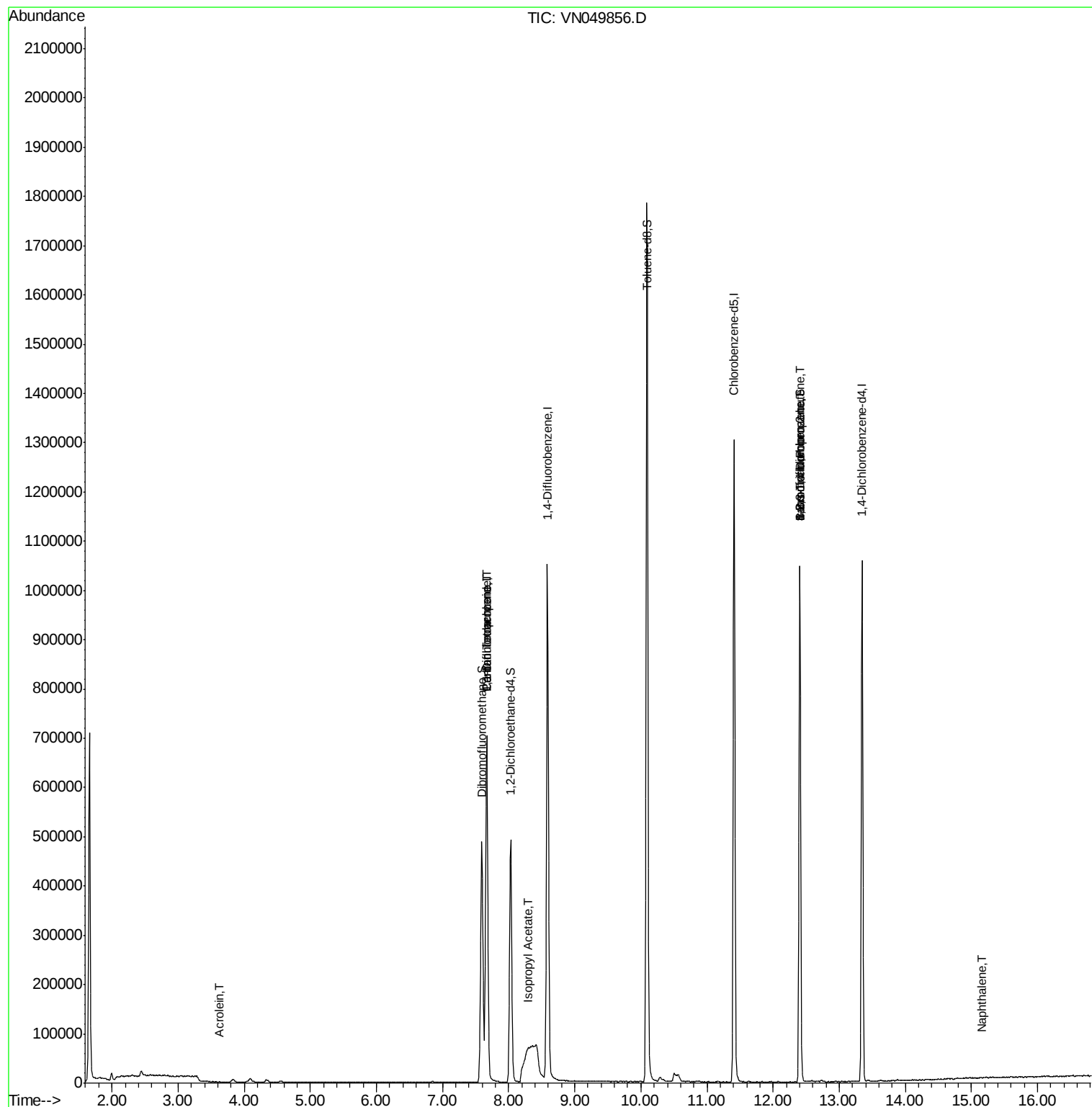
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	187	Below Cal	#	44
3) Chloromethane	2.06	50	1166	Below Cal	#	71
5) Bromomethane	2.54	94	94	Below Cal		93
6) Chloroethane	2.72	64	67	Below Cal	#	43
7) Trichlorofluoromethane	3.01	101	161	Below Cal	#	17
13) Acrolein	3.62	56	110	15.93	ug/l	100
16) Acetone	3.83	43	9495	Below Cal		99
17) Carbon Disulfide	4.04	76	2715	Below Cal	#	80
18) Methyl Acetate	4.33	43	5767	Below Cal	#	80
20) Methylene Chloride	4.55	84	2196	Below Cal	#	91
31) Cyclohexane	7.67	56	11466	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	41605	4.07	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	54072	5.02	ug/l	# 16
43) Isopropyl Acetate	8.30	43	113098	8.71	ug/l	# 62
71) Bromoform	12.40	173	3516	0.64	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	169964	29.74	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	169964	97.32	ug/l	# 13
95) Naphthalene	15.14	128	828	2.88	ug/l	# 69

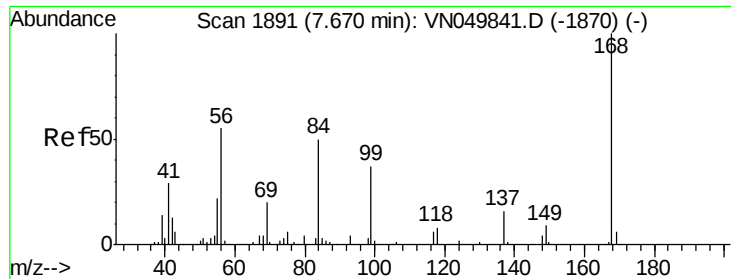
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071718\
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Quant Time: Jul 18 03:37:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
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# 1891

Delta R.T. -0.00 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

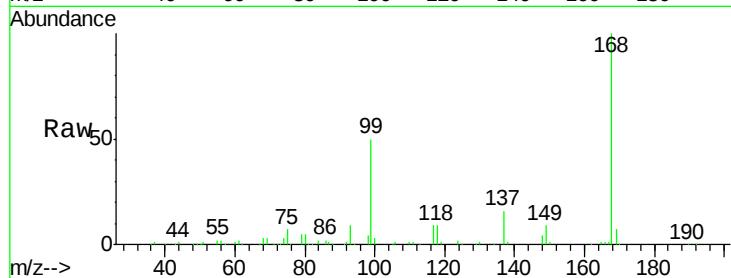
STORAGEBLANK-SOILREF-6

Tot Ion:168 Resp: 605906

Ion Ratio Lower Upper

168 100

99 50.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

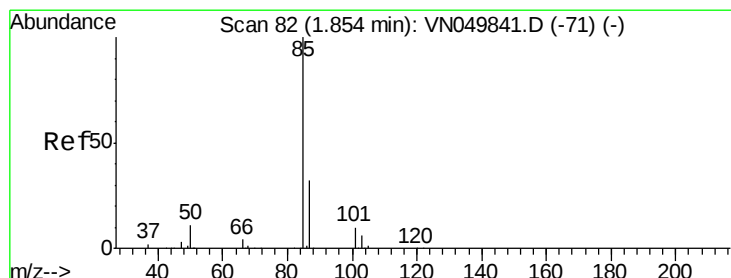
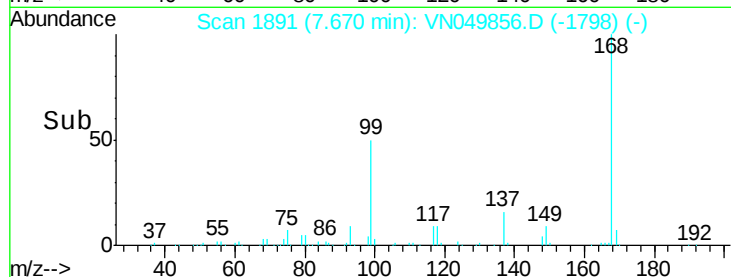
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049856.D

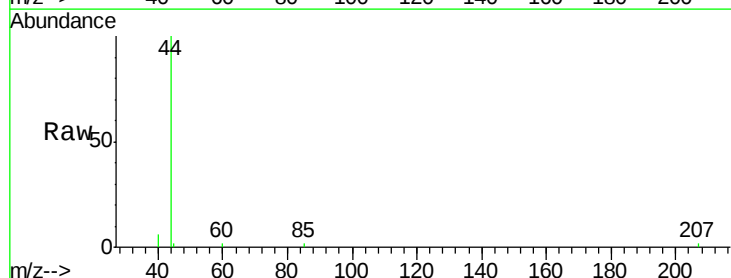
Acq: 17 Jul 2018 19:36

Tgt Ion: 85 Resp: 187

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

250

200

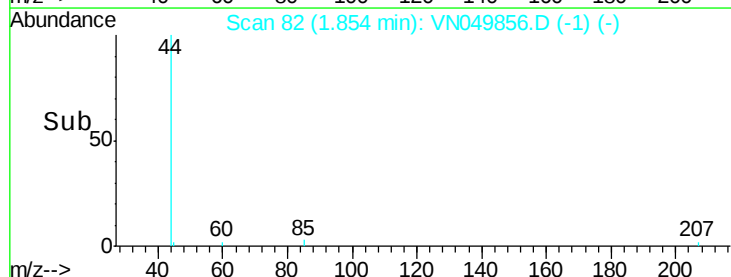
150

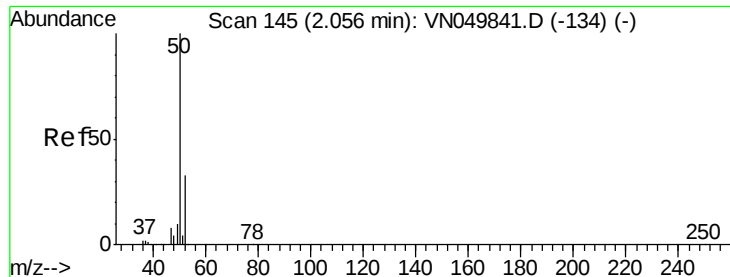
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

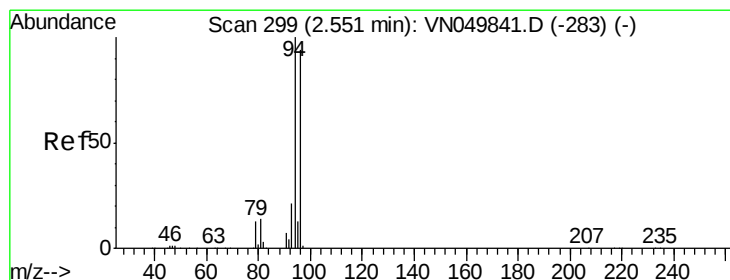
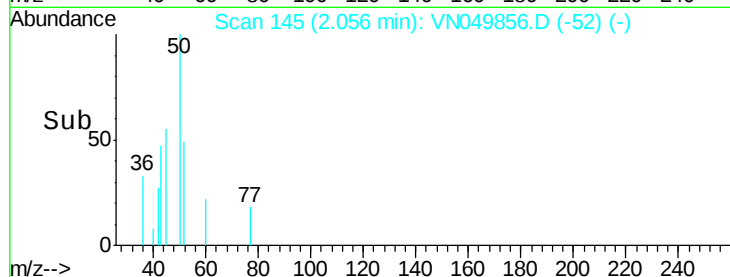
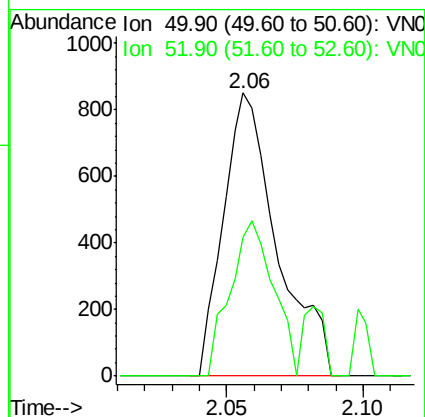
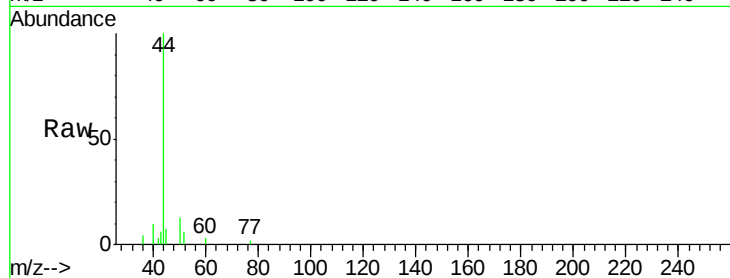
STORAGEBLANK-SOILREF-6

Tot Ion: 50 Resp: 1166

Ion Ratio Lower Upper

50 100

52 48.9 26.1 39.1#



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 294

Delta R.T. -0.02 min

Lab File: VN049856.D

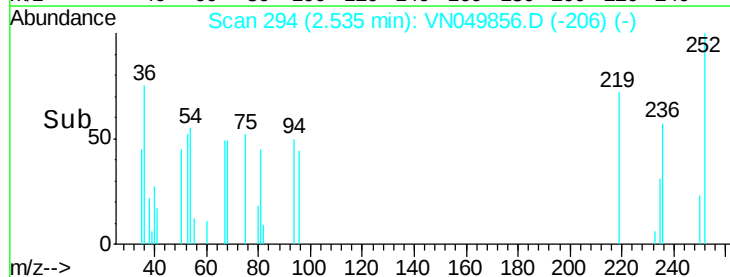
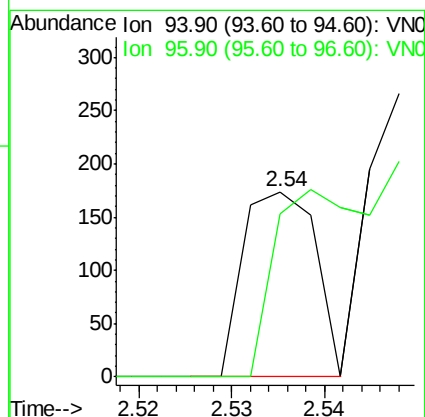
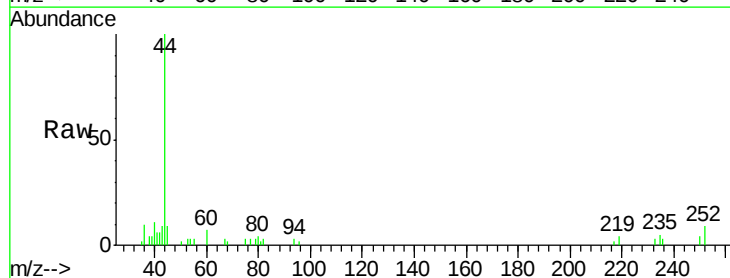
Acq: 17 Jul 2018 19:36

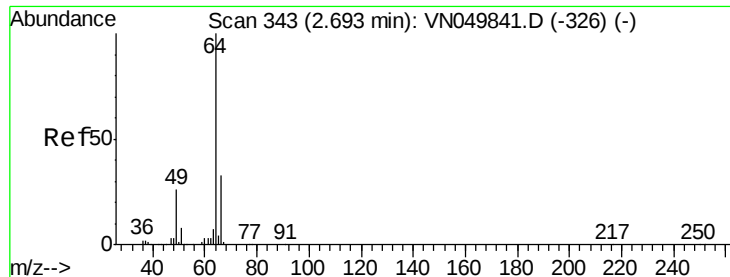
Tgt Ion: 94 Resp: 94

Ion Ratio Lower Upper

94 100

96 87.9 75.7 113.5





#6

Chloroethane

Concen: Below Cal

RT: 2.72 min Scan# 353

Delta R.T. 0.03 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

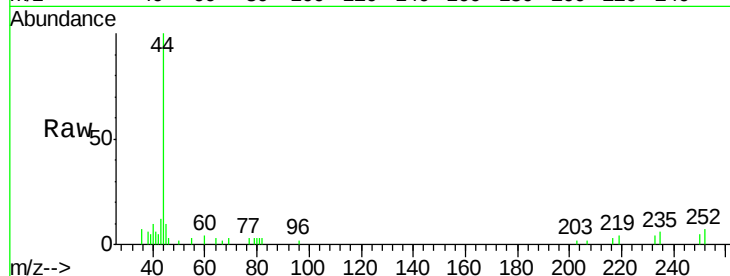
STORAGEBLANK-SOILREF-6

Tot Ion: 64 Resp: 67

Ion Ratio Lower Upper

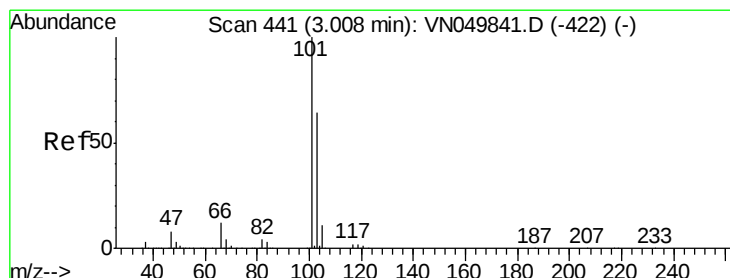
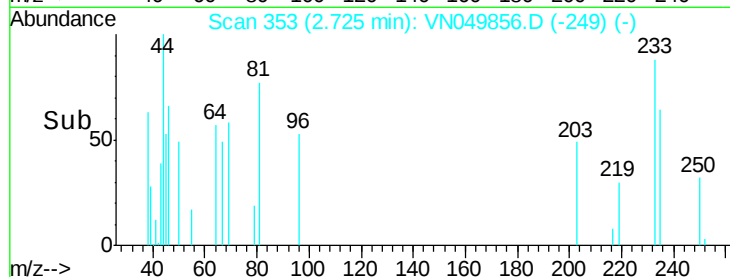
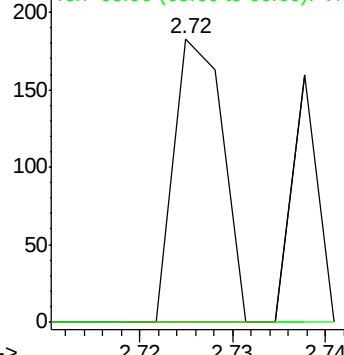
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

Lab File: VN049856.D

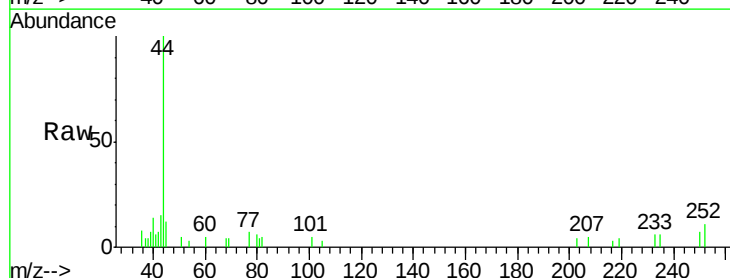
Acq: 17 Jul 2018 19:36

Tgt Ion: 101 Resp: 161

Ion Ratio Lower Upper

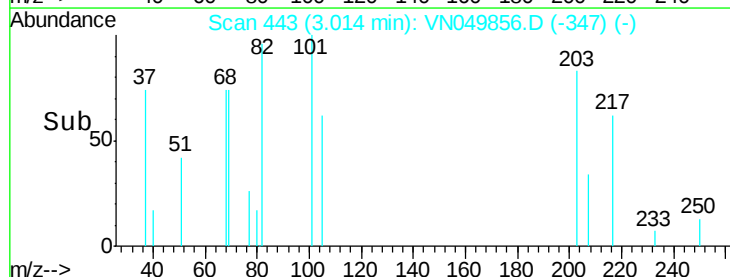
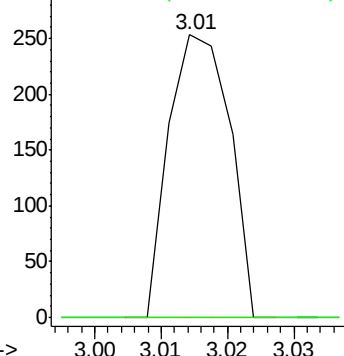
101 100

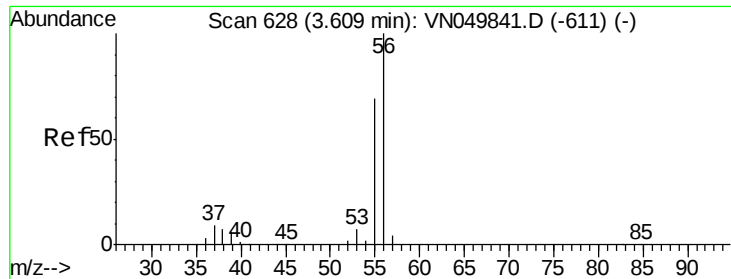
103 0.0 52.8 79.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

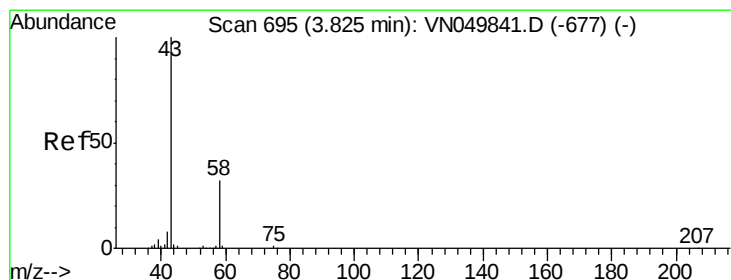
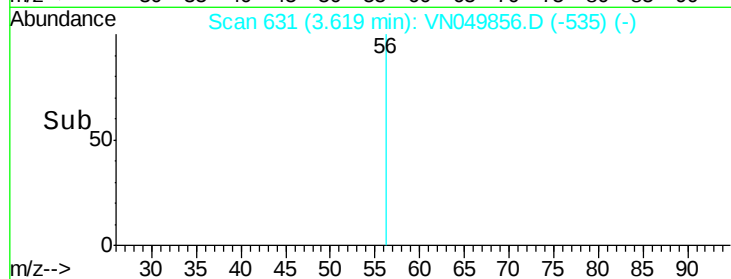
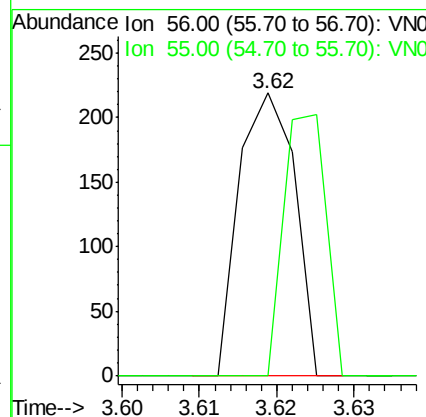
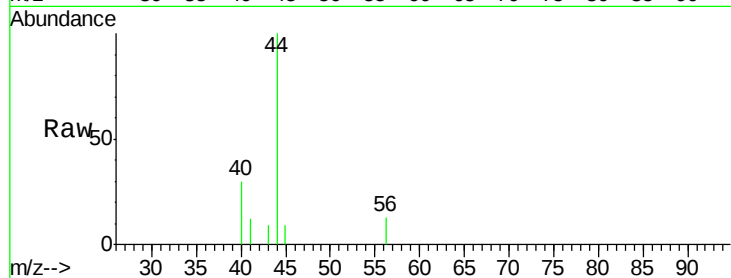




#13
Acrolein
Concen: 15.93 ug/l
RT: 3.62 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

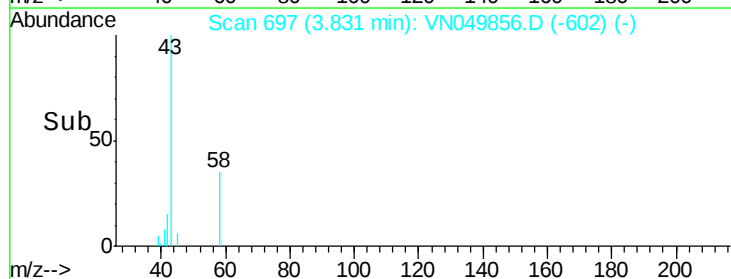
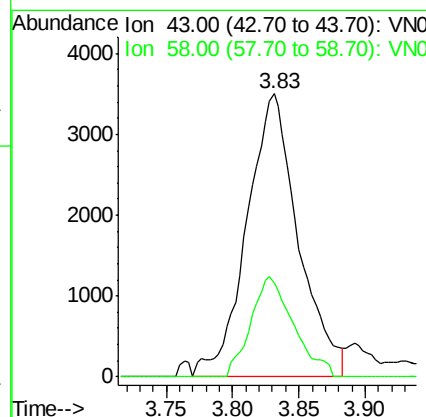
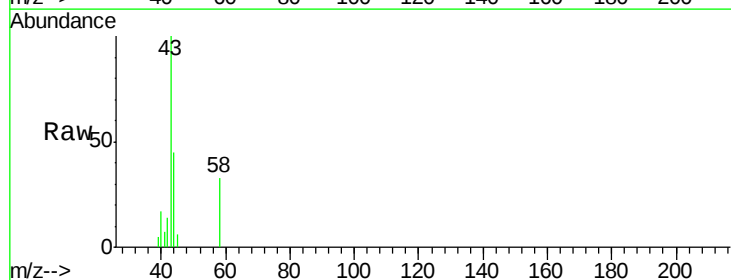
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

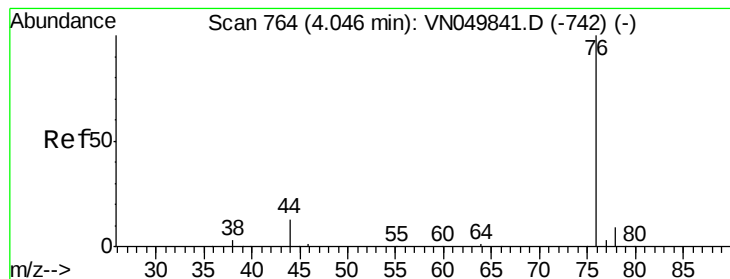
Tot Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 70.0 55.8 83.8



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

Tgt Ion: 43 Resp: 9495
Ion Ratio Lower Upper
43 100
58 33.0 25.9 38.9





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 761

Delta R.T. -0.01 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

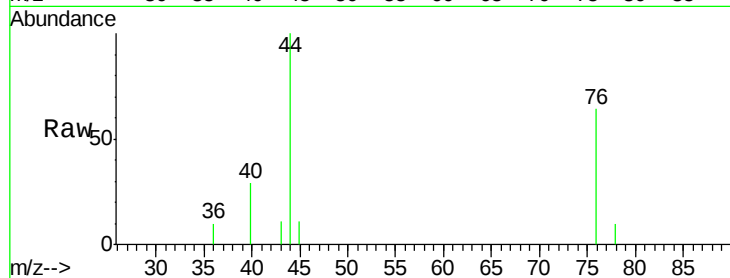
STORAGEBLANK-SOILREF-6

Tot Ion: 76 Resp: 2715

Ion Ratio Lower Upper

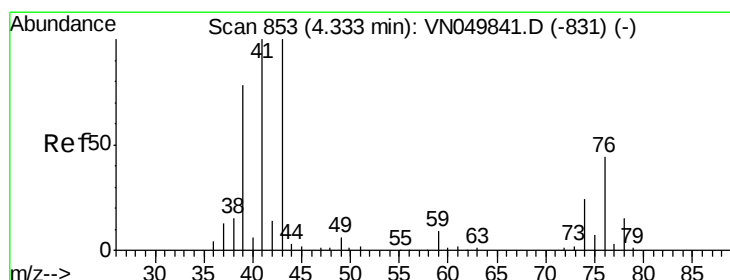
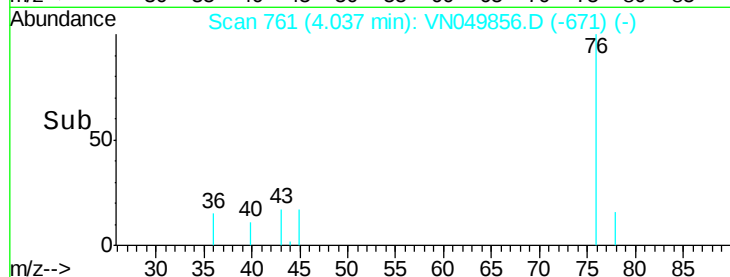
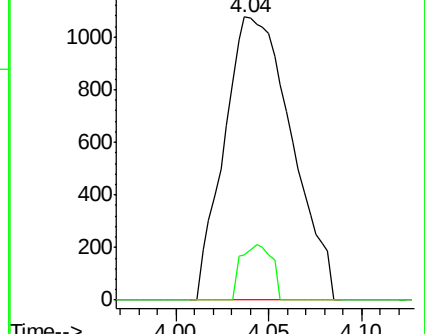
76 100

78 16.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN049856.D

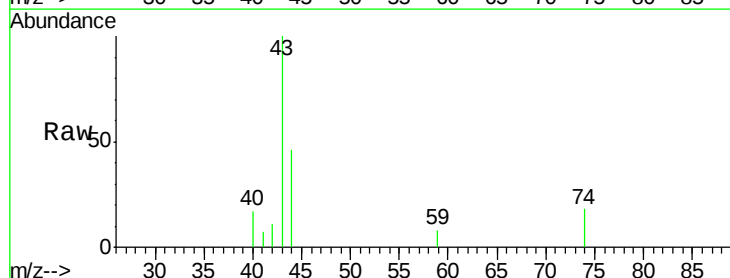
Acq: 17 Jul 2018 19:36

Tgt Ion: 43 Resp: 5767

Ion Ratio Lower Upper

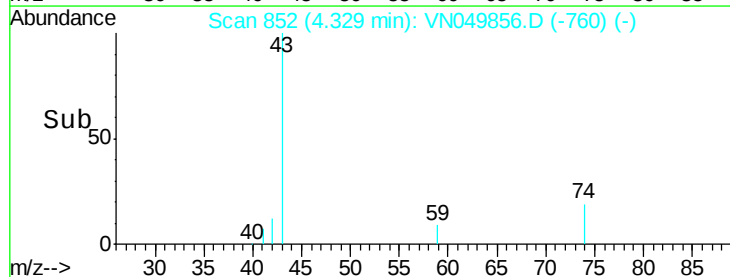
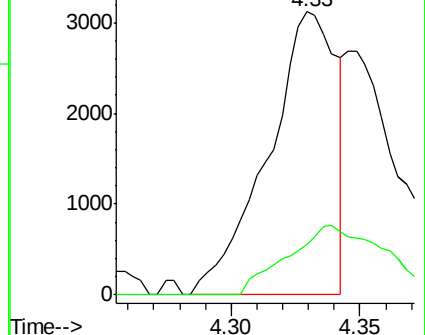
43 100

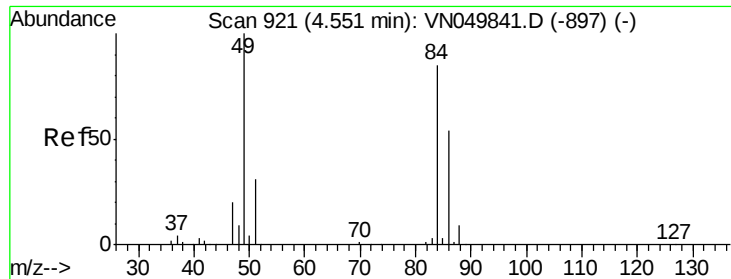
74 34.8 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

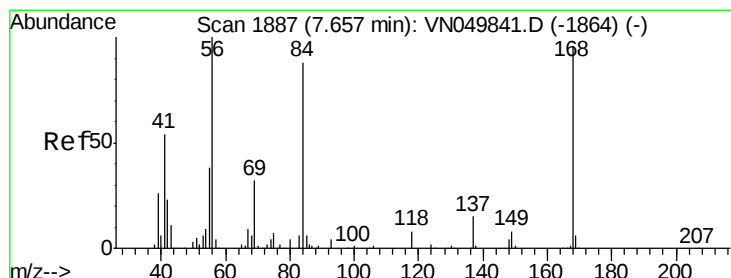
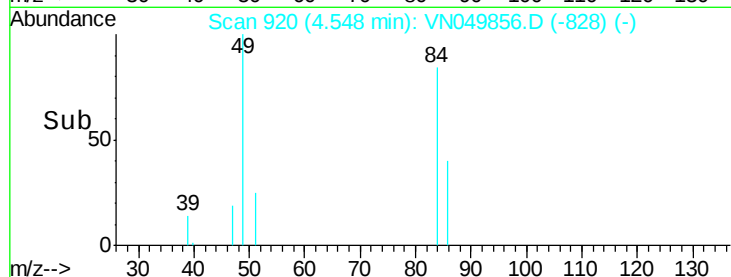
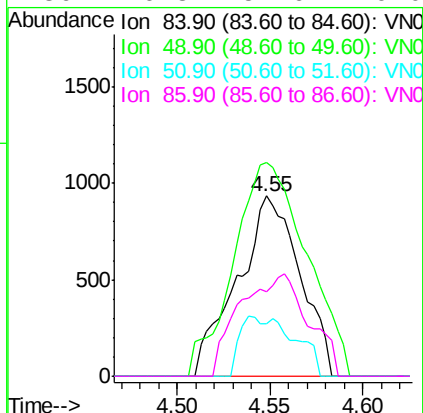
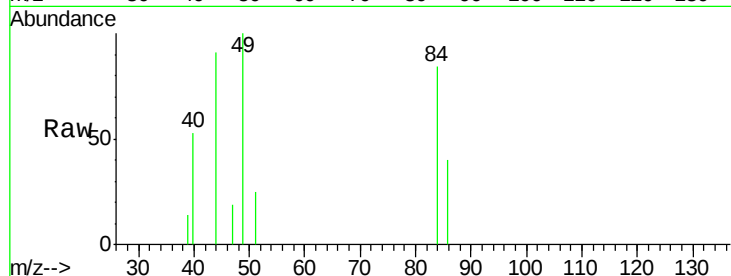




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

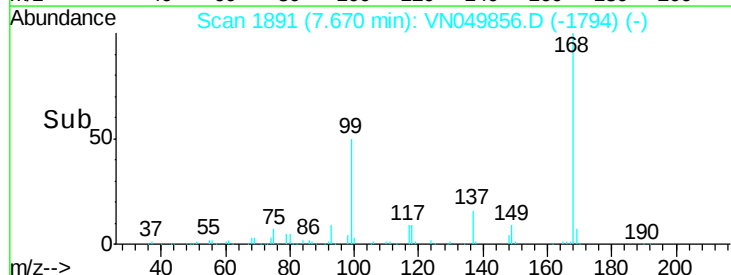
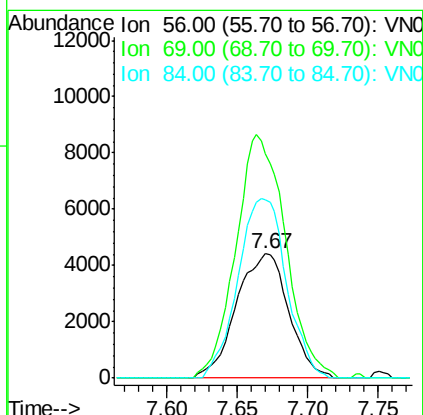
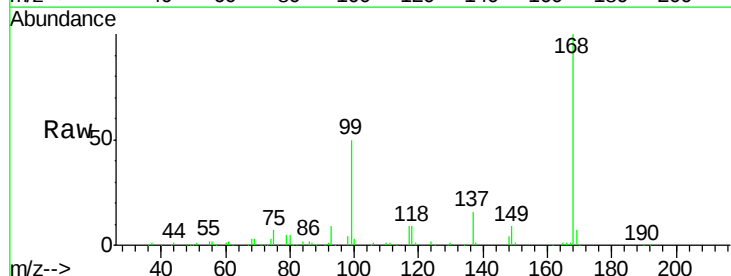
Instrument :
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STORAGEBLANK-SOILREF-6

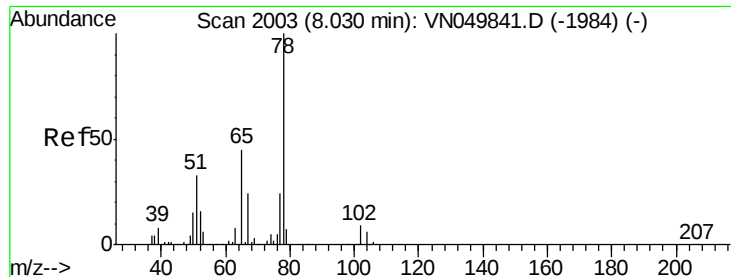
Tot Ion: 84 Resp: 2196
Ion Ratio Lower Upper
84 100
49 118.4 95.4 143.2
51 29.3 28.4 42.6
86 46.8 52.6 79.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

Tgt Ion: 56 Resp: 11466
Ion Ratio Lower Upper
56 100
69 181.1 26.6 40.0#
84 143.2 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 51.53 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

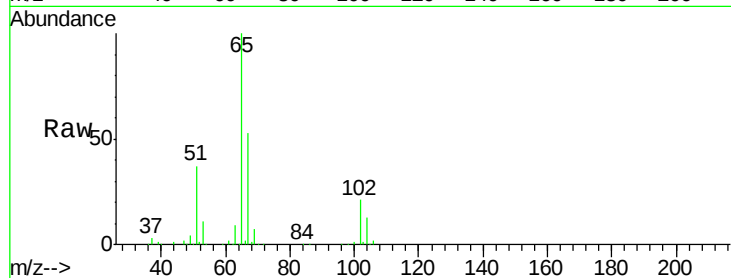
STORAGEBLANK-SOILREF-6

Tot Ion: 65 Resp: 418253

Ion Ratio Lower Upper

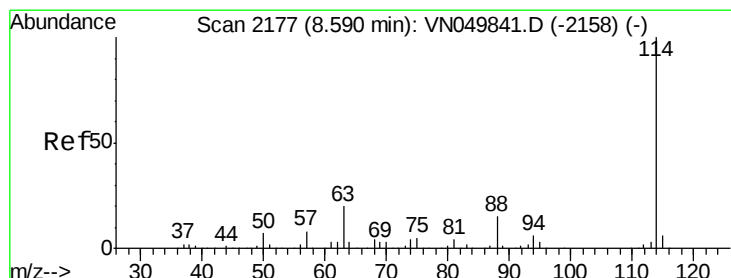
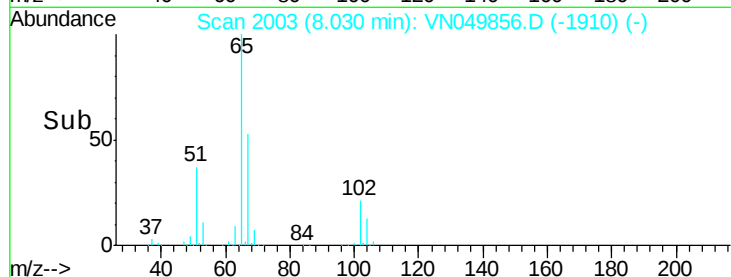
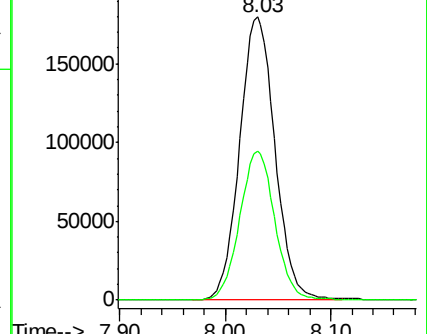
65 100

67 52.4 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) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

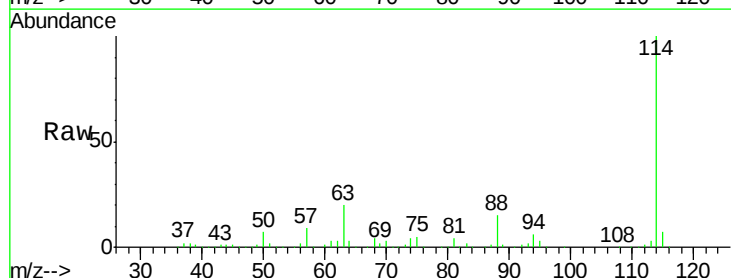
Tgt Ion: 114 Resp: 966823

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

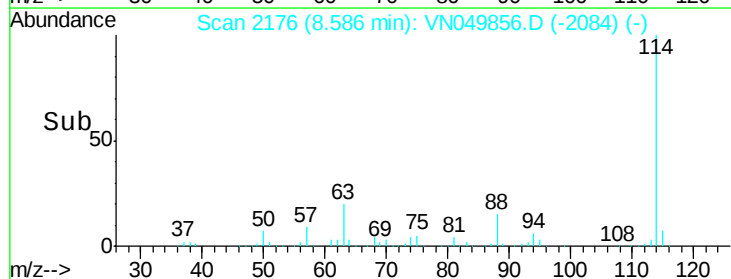
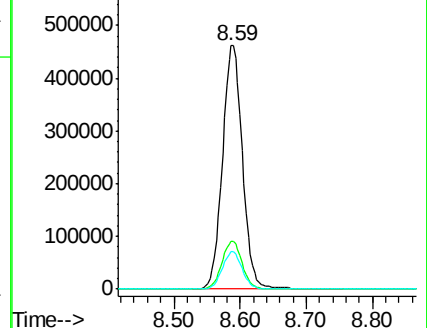
88 15.3 0.0 30.6

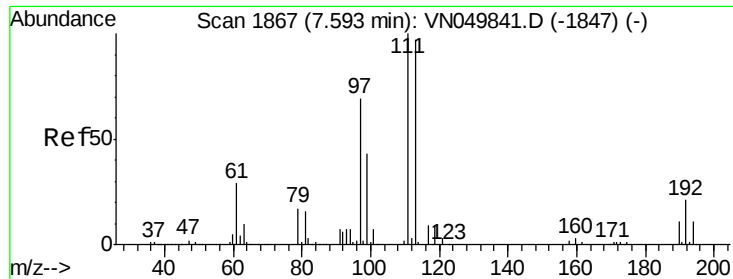


Abundance Ion 113.90 (113.60 to 114.60): VN049841.D (-2158) (-)

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

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

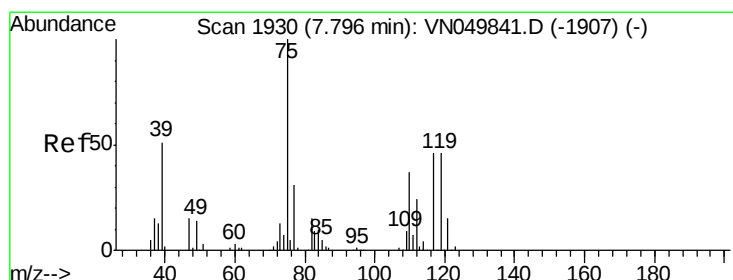
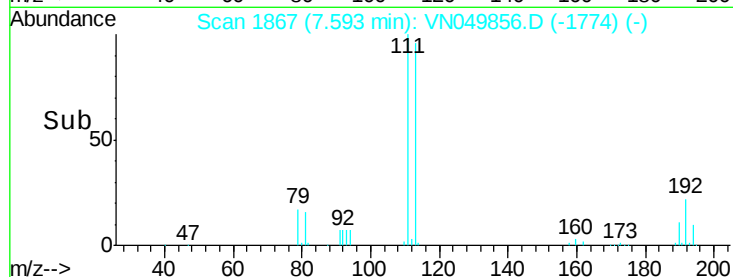
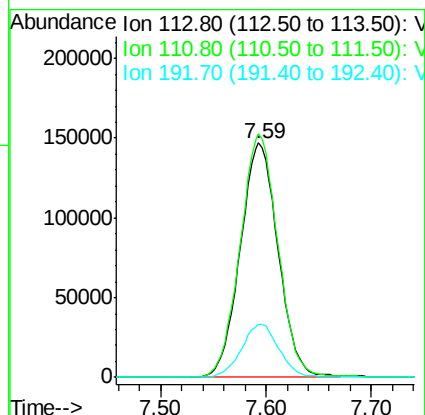
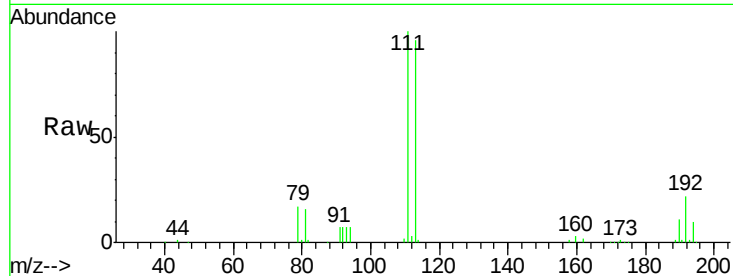




#35
Dibromofluoromethane
Concen: 47.85 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

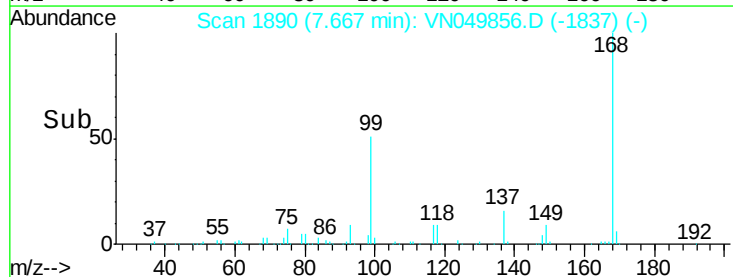
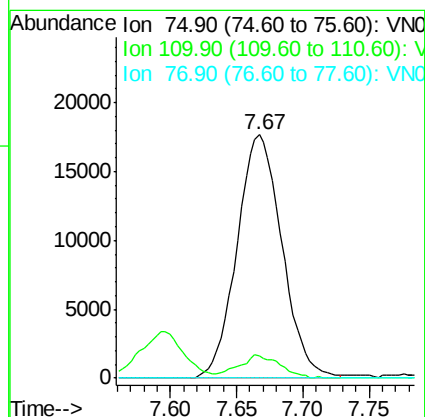
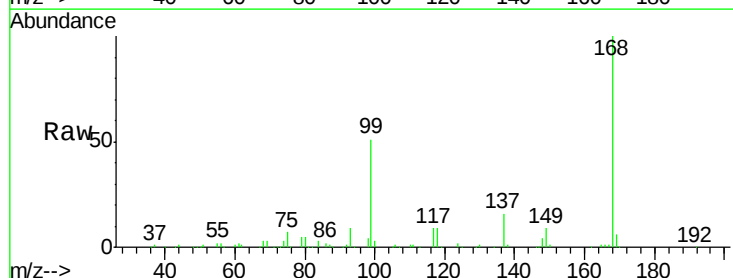
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

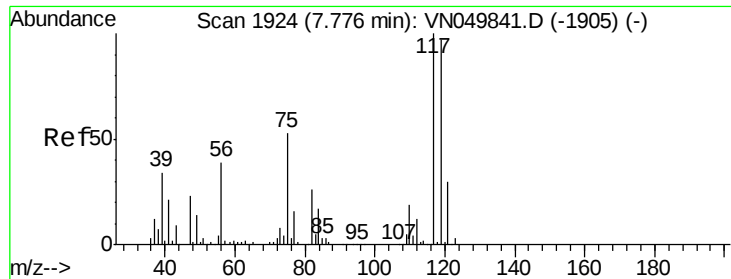
Tot Ion:113 Resp: 366927
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 22.3 17.8 26.6



#36
1,1-Dichloropropene
Concen: 4.07 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

Tgt Ion: 75 Resp: 41605
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 24.9 37.3#

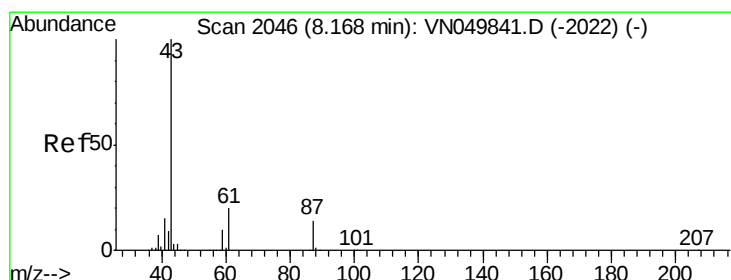
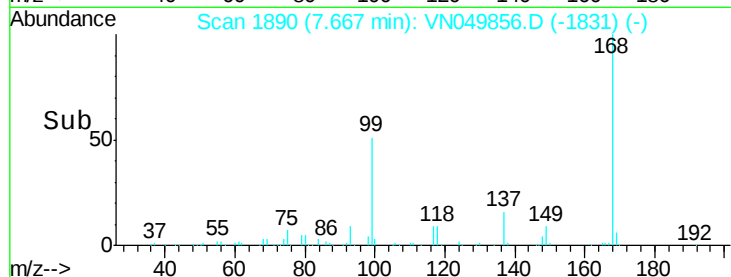
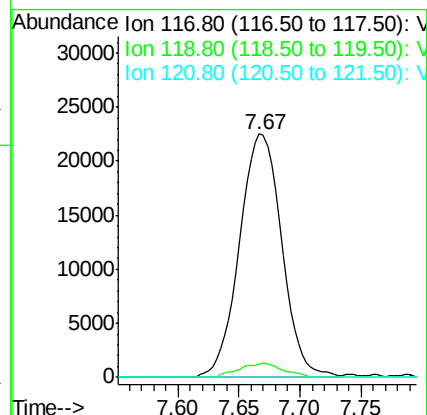
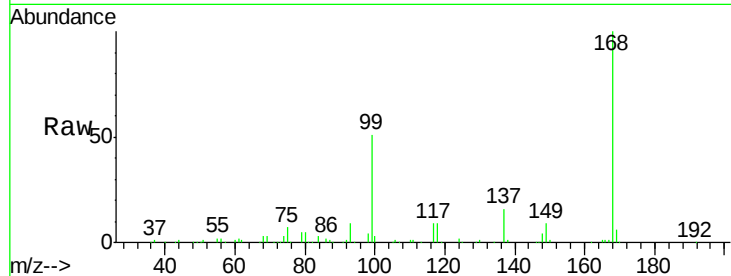




#38
Carbon Tetrachloride
Concen: 5.02 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

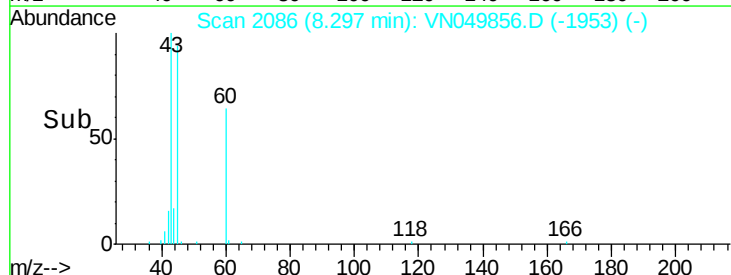
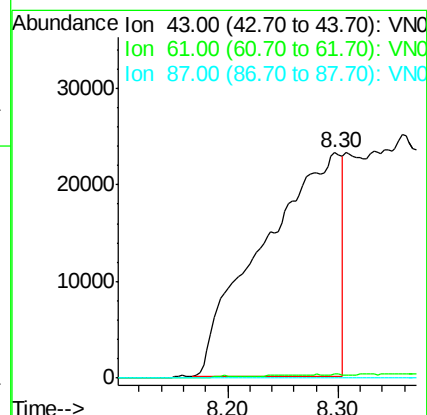
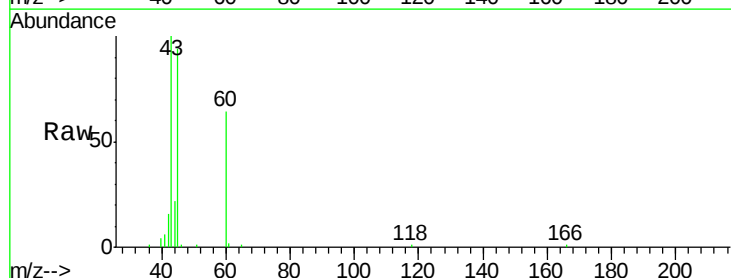
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

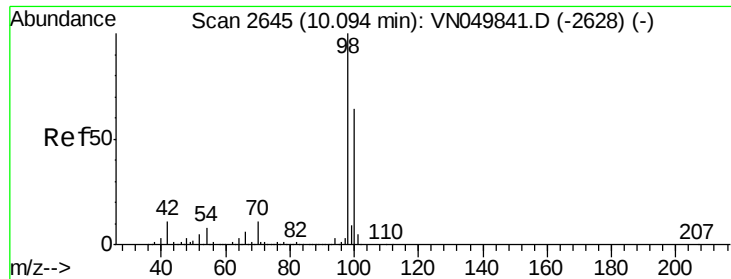
Tot Ion:117 Resp: 54072
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 8.71 ug/l
RT: 8.30 min Scan# 2086
Delta R.T. 0.13 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

Tgt Ion: 43 Resp: 113098
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#





#50

Toluene-d8

Concen: 45.65 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

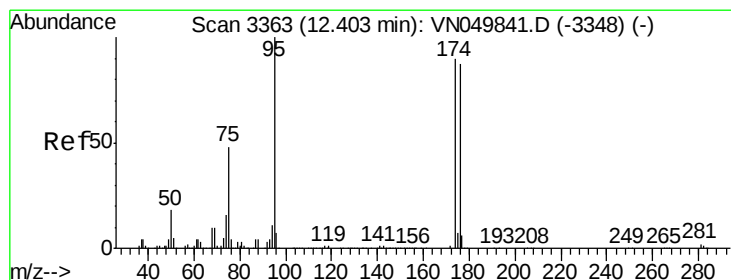
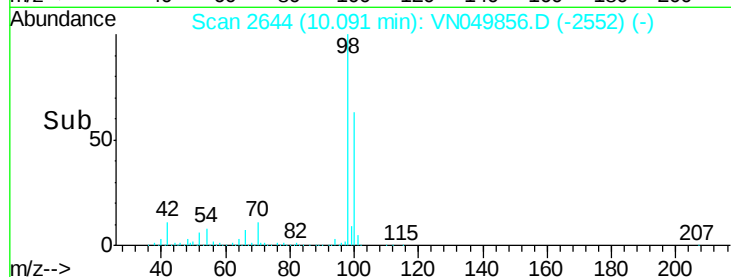
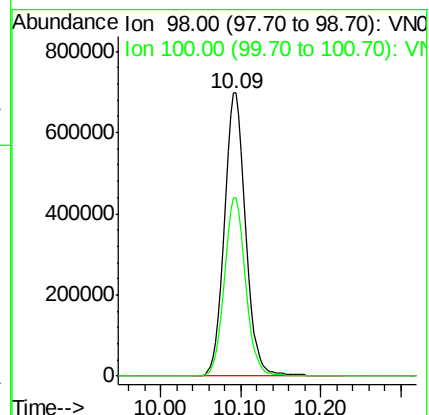
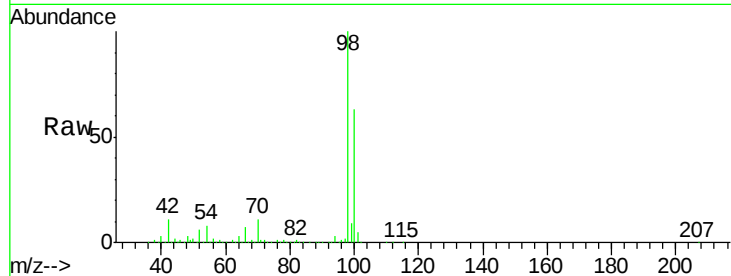
STORAGEBLANK-SOILREF-6

Tot Ion: 98 Resp: 1285488

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 37.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

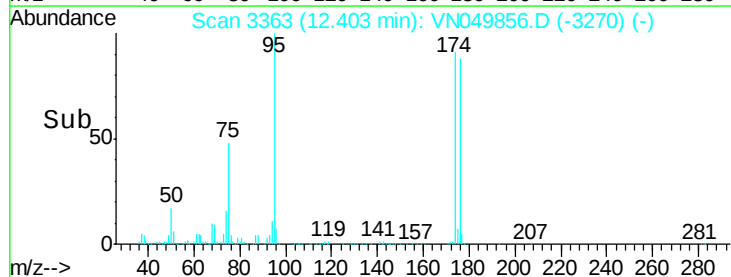
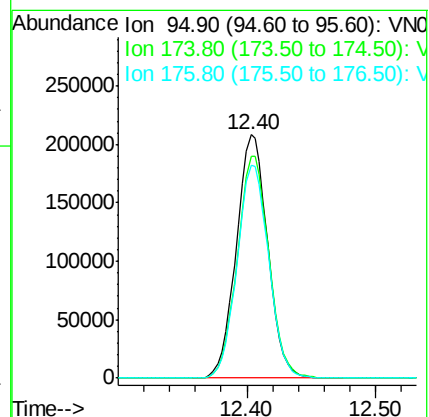
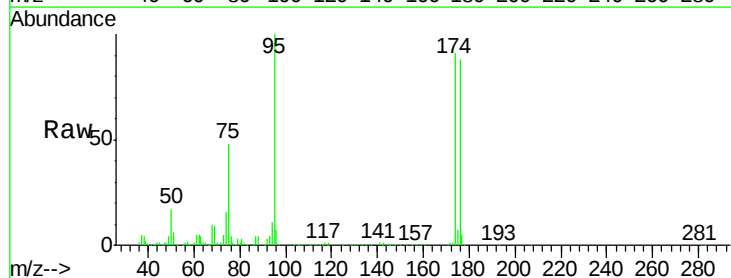
Tgt Ion: 95 Resp: 351480

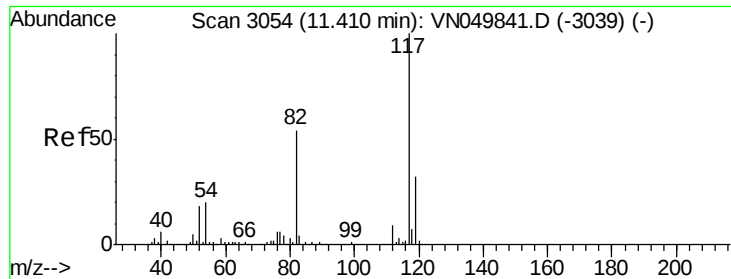
Ion Ratio Lower Upper

95 100

174 92.0 0.0 179.6

176 88.3 0.0 174.0

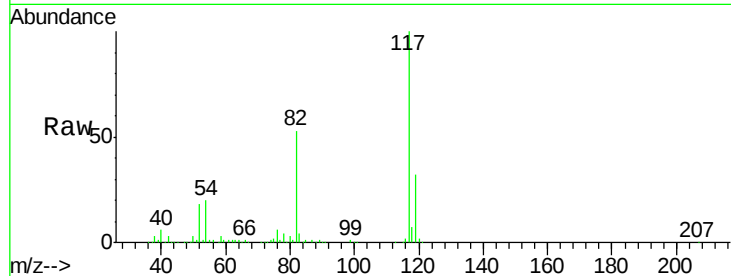




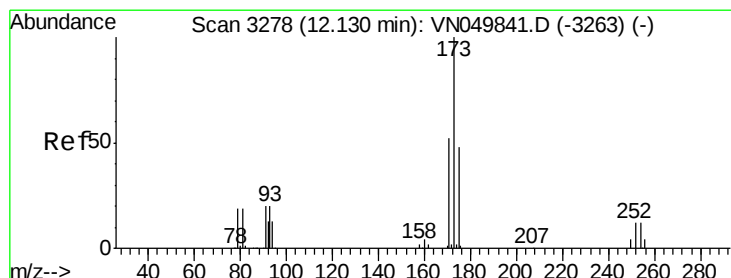
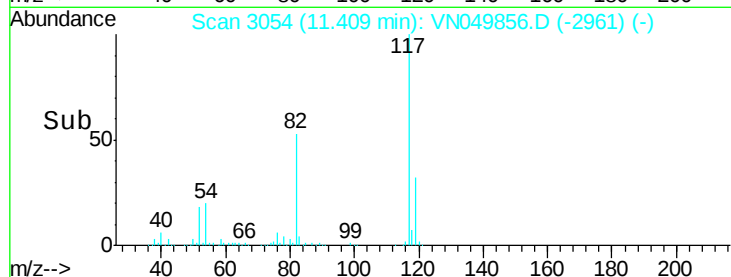
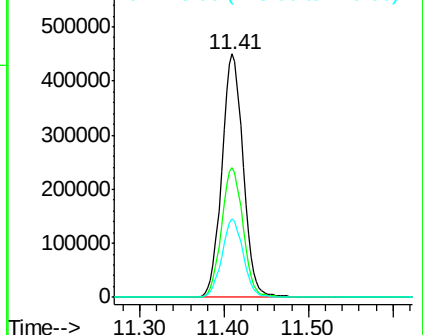
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

Tot Ion:117 Resp: 788379
Ion Ratio Lower Upper
117 100
82 53.3 41.9 62.9
119 32.2 25.4 38.2

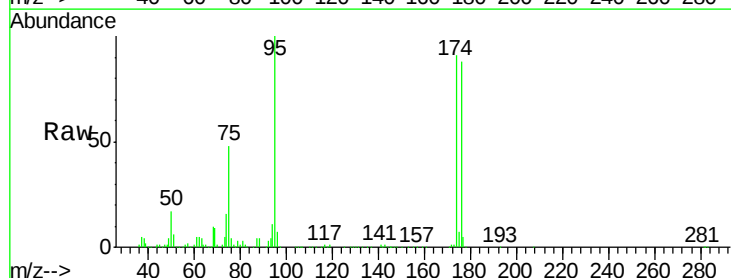


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

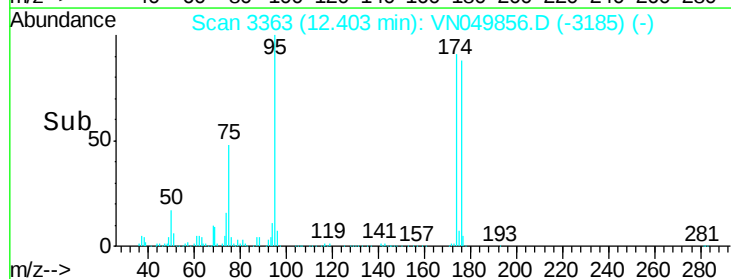
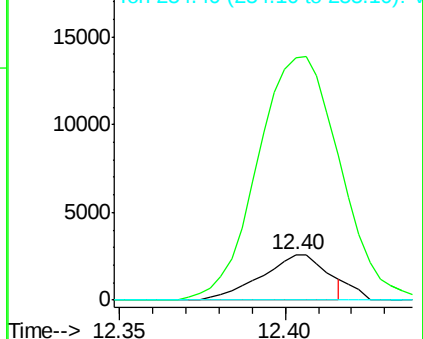


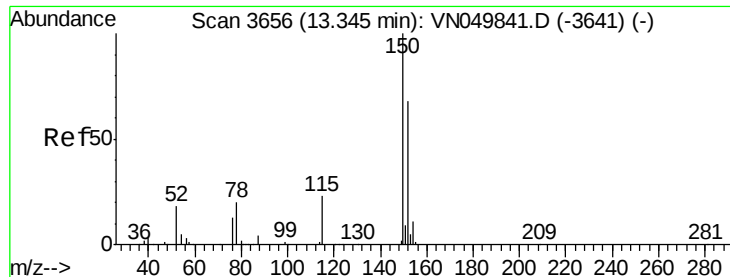
#71
Bromoform
Concen: 0.64 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN049856.D
Acq: 17 Jul 2018 19:36

Tgt Ion:173 Resp: 3516
Ion Ratio Lower Upper
173 100
175 602.4 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: VN049856.D

Acq: 17 Jul 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-6

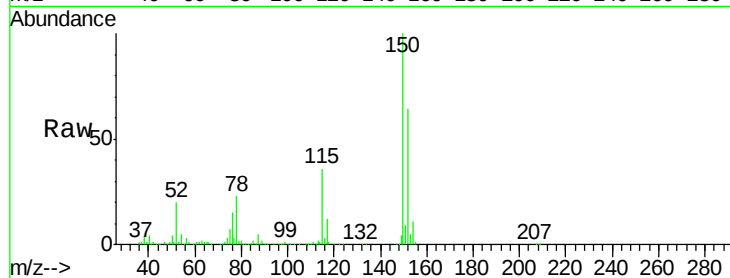
Tot Ion:152 Resp: 292106

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

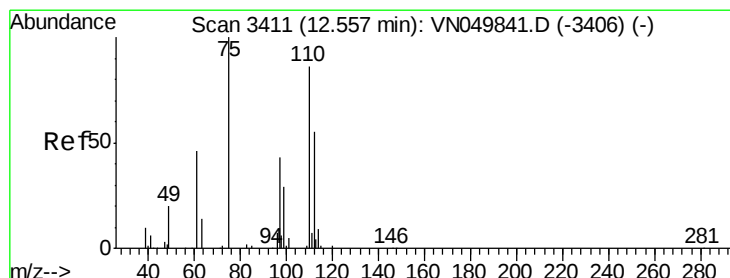
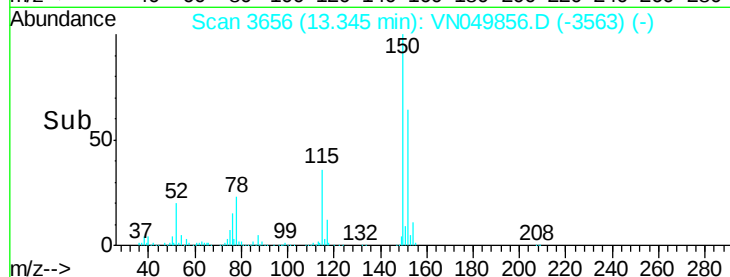
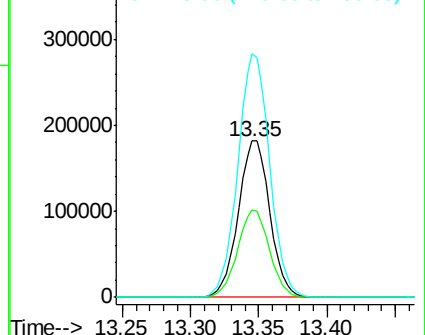
150 157.1 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049856.D

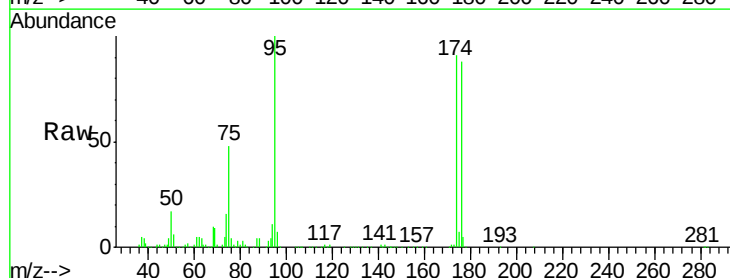
Acq: 17 Jul 2018 19:36

Tgt Ion: 75 Resp: 169964

Ion Ratio Lower Upper

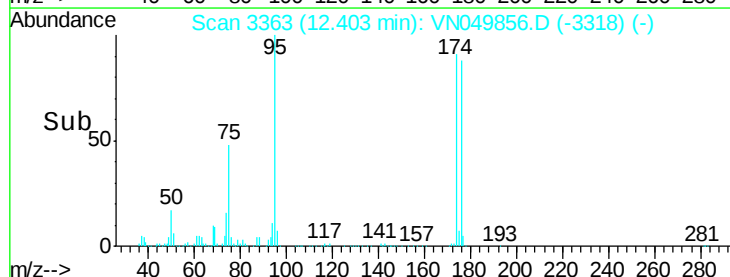
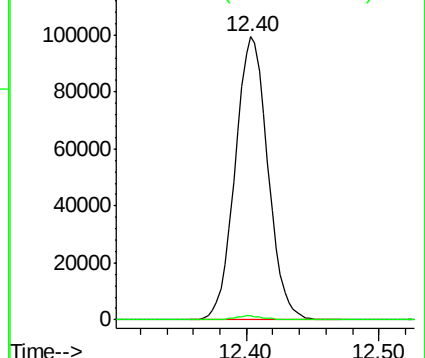
75 100

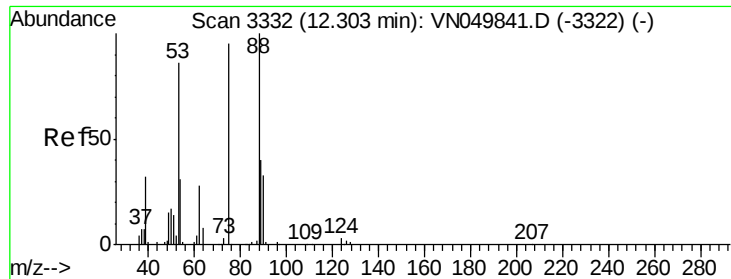
77 1.3 0.0 0.0#



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: 97.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-6

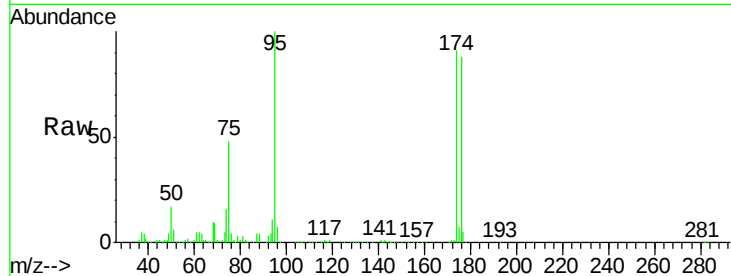
Tot Ion: 75 Resp: 169964

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

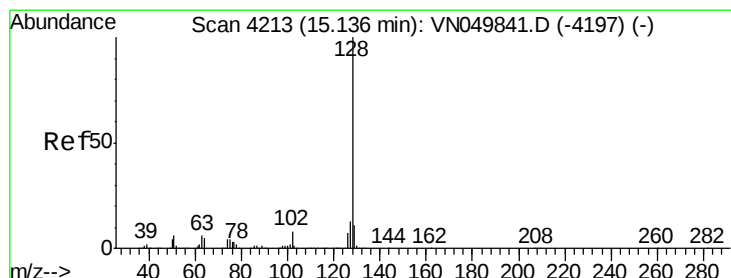
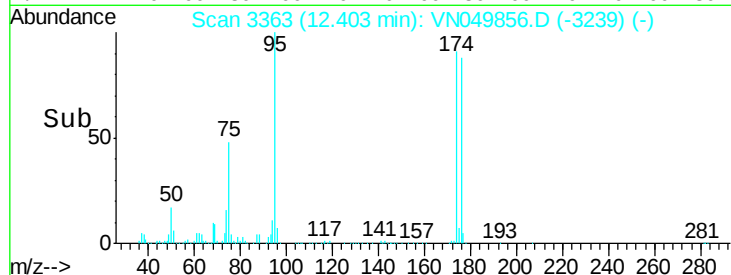
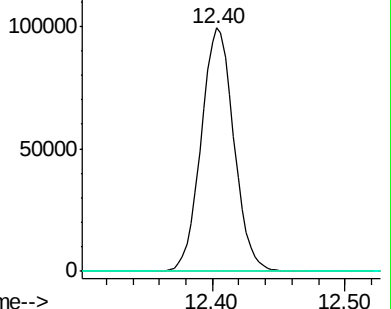
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049841.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN049841.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN049841.D (-3322) (-)



#95

Naphthalene

Concen: 2.88 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049856.D

Acq: 17 Jul 2018 19:36

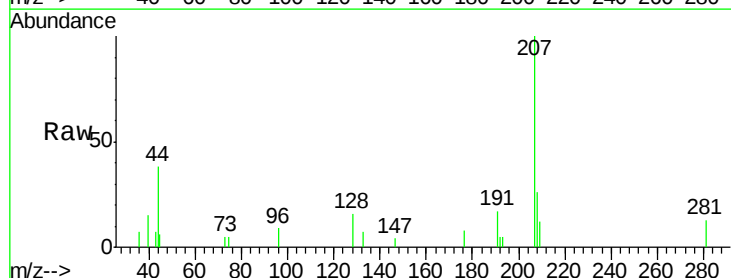
Tgt Ion: 128 Resp: 828

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): VN049841.D (-4197) (-)

Ion 127.00 (126.70 to 127.70): VN049841.D (-4197) (-)

Ion 129.00 (128.70 to 129.70): VN049841.D (-4197) (-)

