

Data File : VX001355.D
Acq On : 03 May 2018 13:26
Operator : JC/MD
Sample : J2628-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

Quant Time: May 04 07:10:49 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	143311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	166649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	87492	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	89163	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	
35) Dibromofluoromethane	5.51	113	74332	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	
50) Toluene-d8	8.72	98	265570	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	
62) 4-Bromofluorobenzene	11.14	95	82433	34.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.42%	

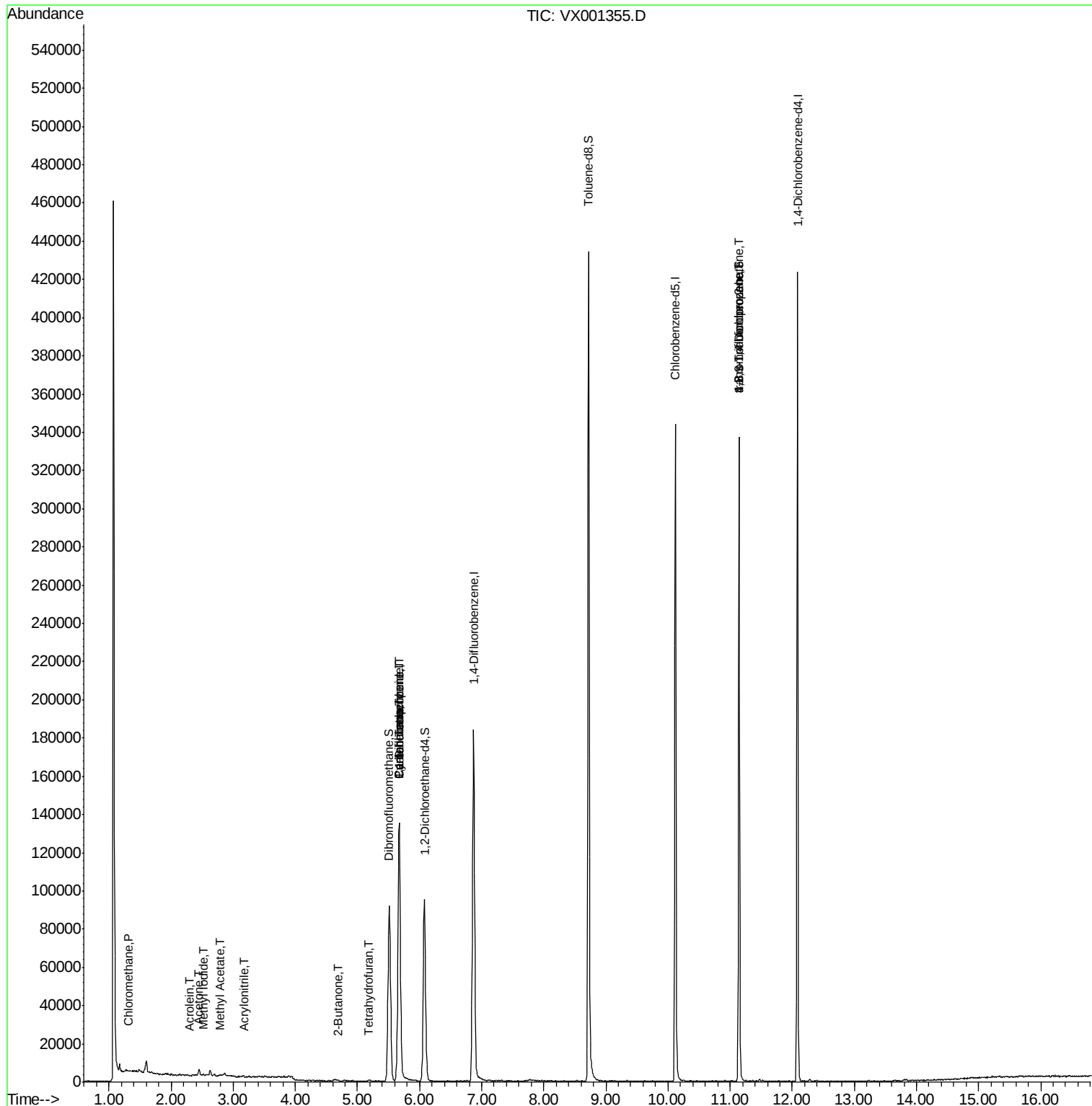
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	385	0.25	ug/l #	83
5) Bromomethane	1.65	94	476	Below	Cal #	39
10) Methyl Iodide	2.52	142	762	4.73	ug/l #	71
13) Acrolein	2.30	56	81	0.41	ug/l #	52
15) Acrylonitrile	3.17	53	175	0.22	ug/l #	82
16) Acetone	2.45	43	3686	4.35	ug/l	91
18) Methyl Acetate	2.78	43	570	0.29	ug/l	94
20) Methylene Chloride	2.86	84	648	Below	Cal	92
25) 2-Butanone	4.70	43	229	0.20	ug/l #	49
29) Tetrahydrofuran	5.19	42	591	0.84	ug/l #	58
31) Cyclohexane	5.67	56	2668	1.09	ug/l #	22
36) 1,1-Dichloropropene	5.67	75	9000	4.04	ug/l #	49
38) Carbon Tetrachloride	5.67	117	12393	5.31	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	41874	25.88	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	41874	81.27	ug/l #	6

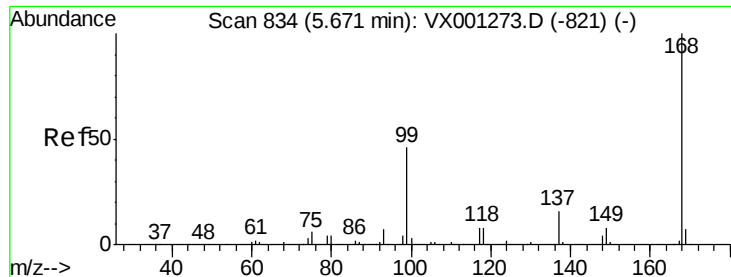
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

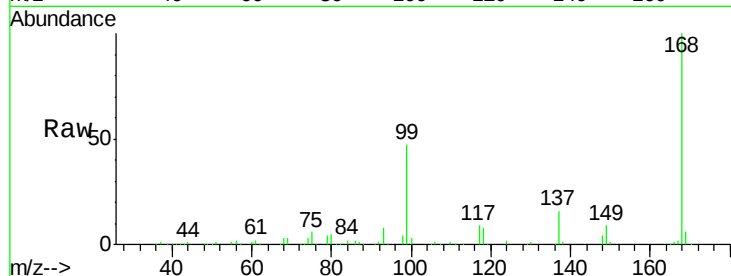
STORAGEBLANK-SOILREF-6

Tgt Ion:168 Resp: 143311

Ion Ratio Lower Upper

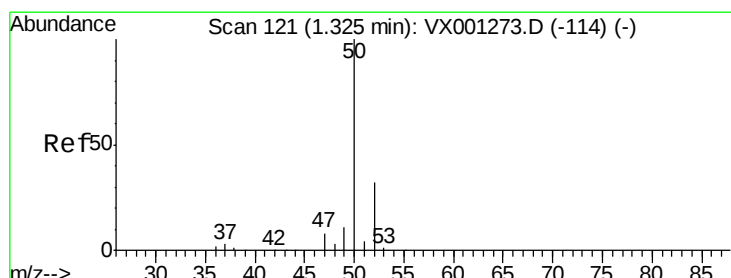
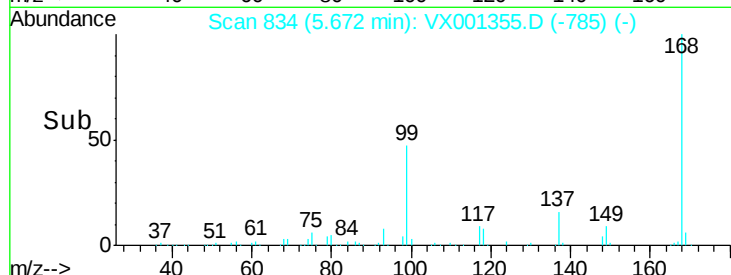
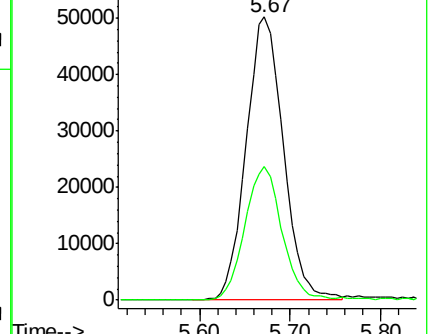
168 100

99 47.0 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001355.D

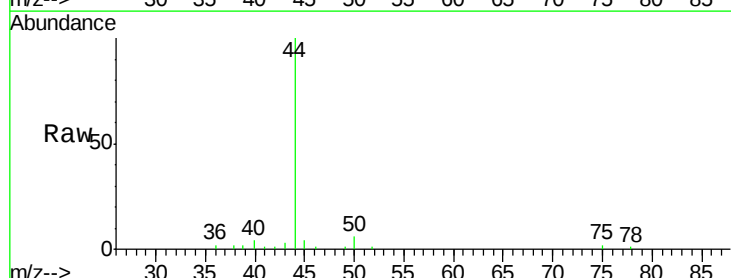
Acq: 03 May 2018 13:26

Tgt Ion: 50 Resp: 385

Ion Ratio Lower Upper

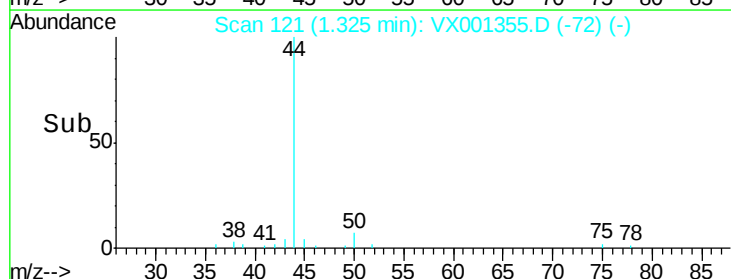
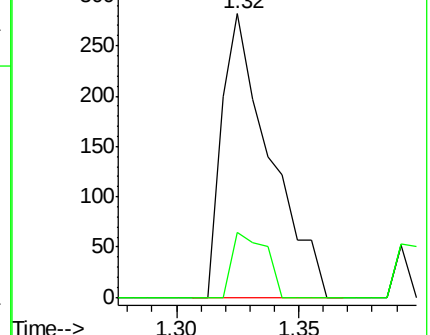
50 100

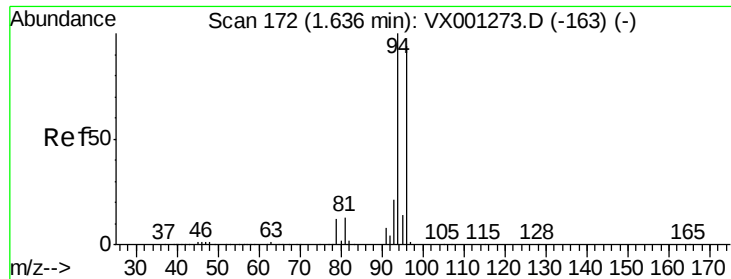
52 22.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

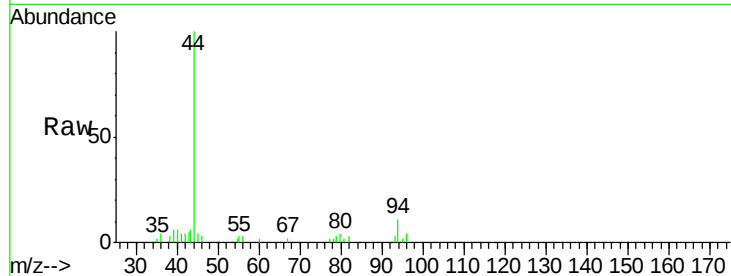
STORAGEBLANK-SOILREF-6

Tgt Ion: 94 Resp: 476

Ion Ratio Lower Upper

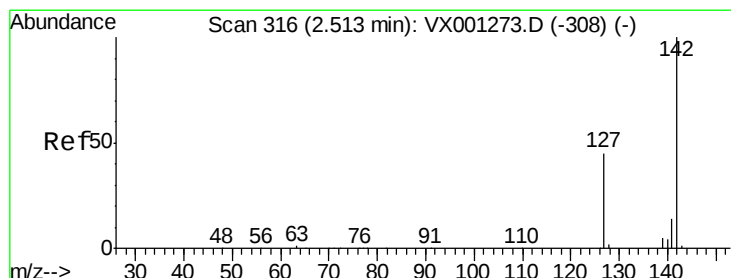
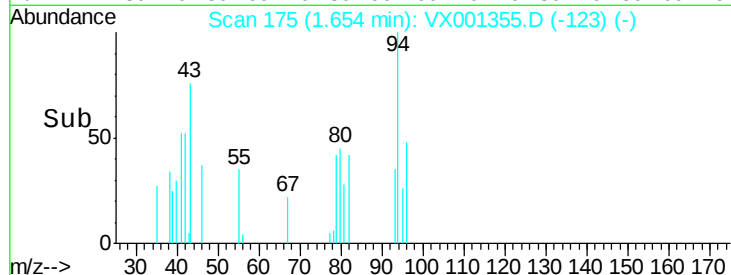
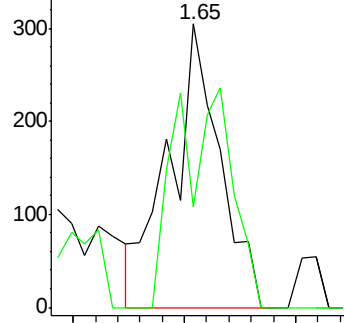
94 100

96 35.4 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.73 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

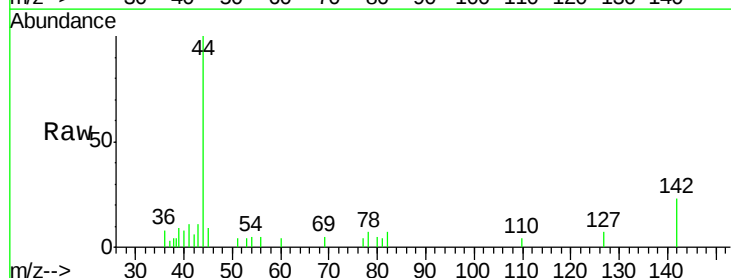
Tgt Ion: 142 Resp: 762

Ion Ratio Lower Upper

142 100

127 23.6 35.7 53.5#

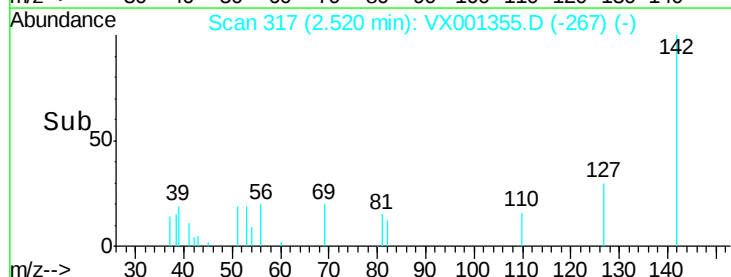
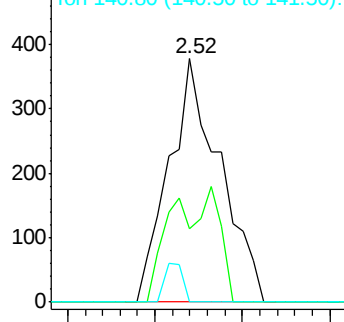
141 5.8 11.4 17.0#

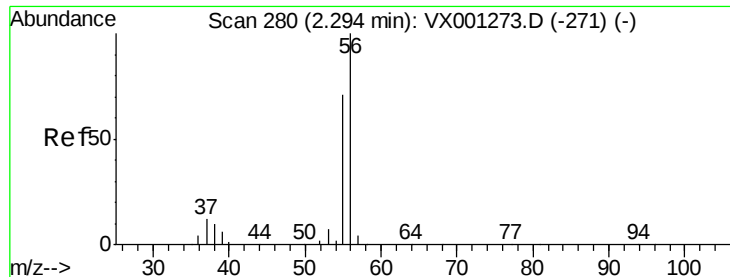


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.41 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

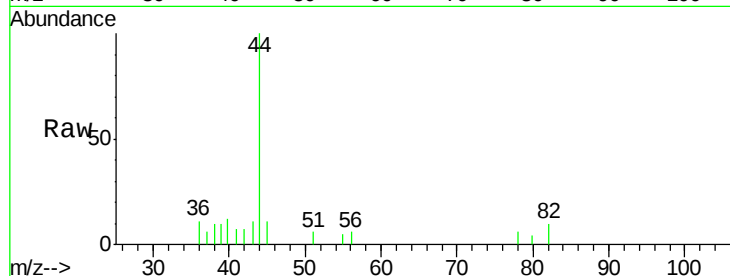
STORAGEBLANK-SOILREF-6

Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

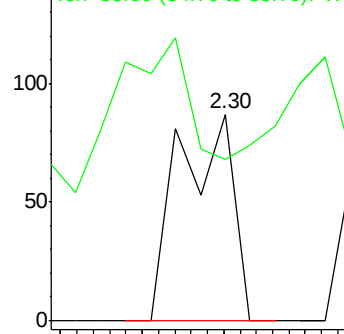
56 100

55 111.1 57.2 85.8#

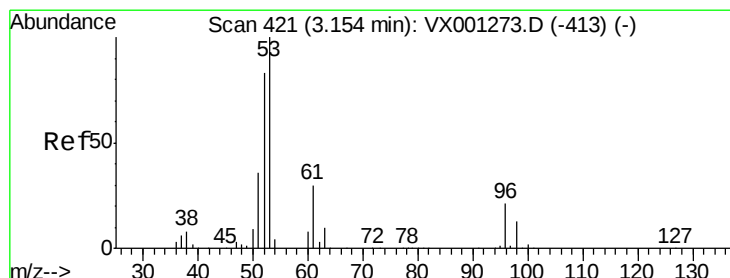
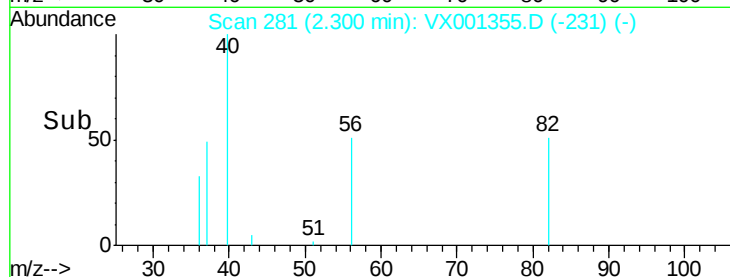


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

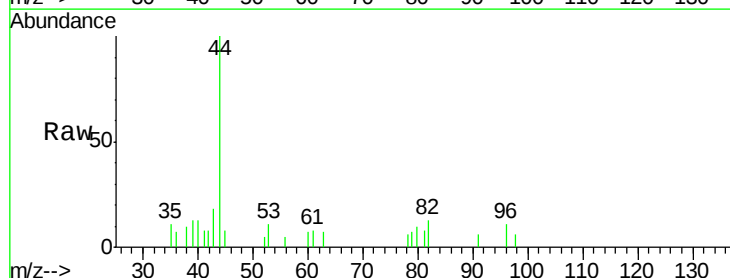
Tgt Ion: 53 Resp: 175

Ion Ratio Lower Upper

53 100

52 67.4 67.0 100.4

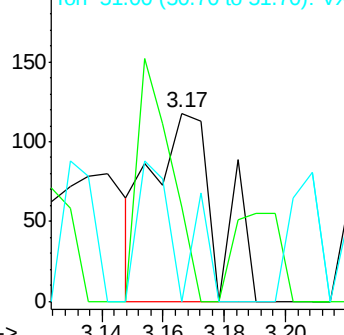
51 48.6 29.9 44.9#



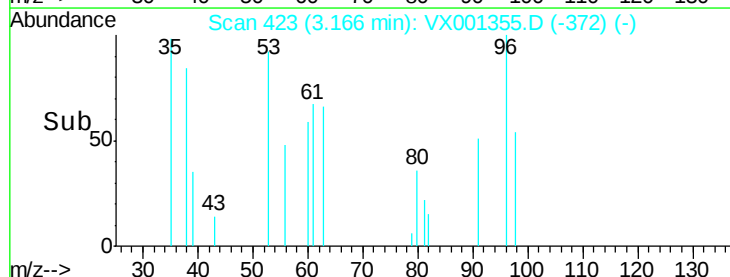
Abundance Ion 53.00 (52.70 to 53.70): VX0

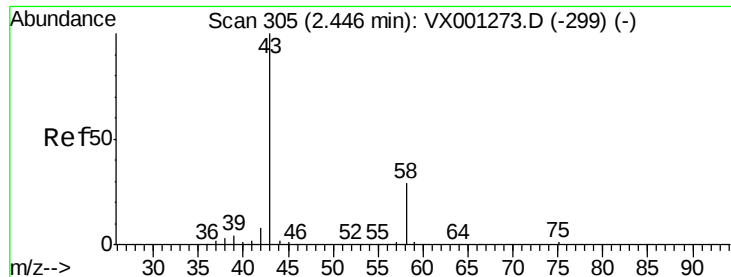
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 4.35 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

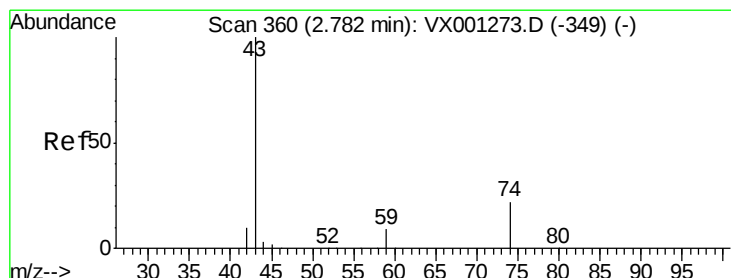
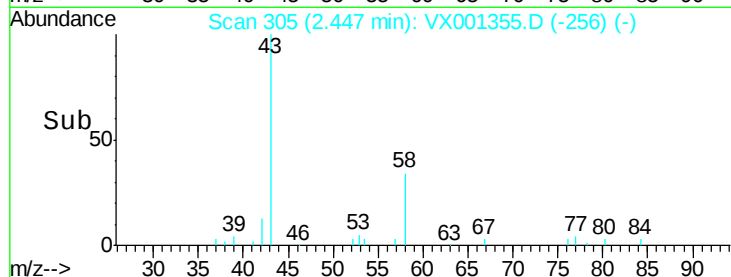
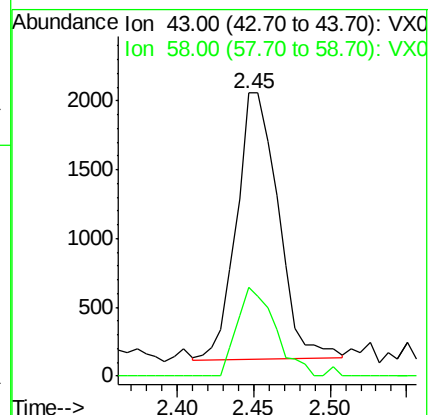
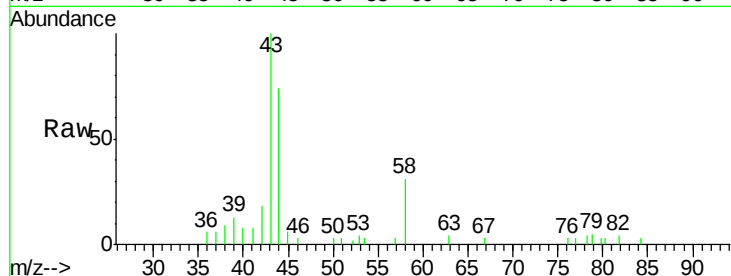
STORAGEBLANK-SOILREF-6

Tgt Ion: 43 Resp: 3686

Ion Ratio Lower Upper

43 100

58 33.5 22.8 34.2



#18

Methyl Acetate

Concen: 0.29 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001355.D

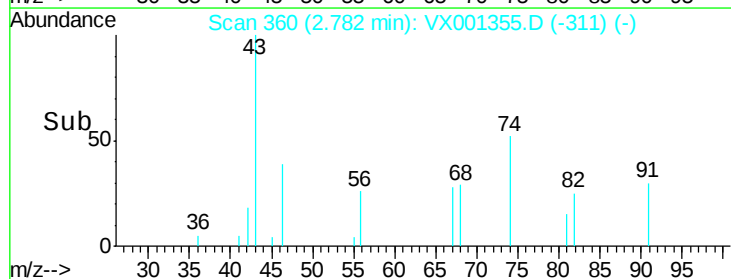
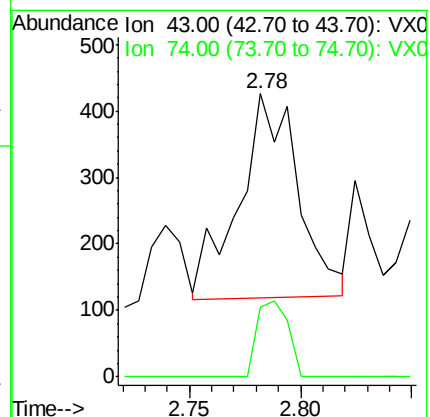
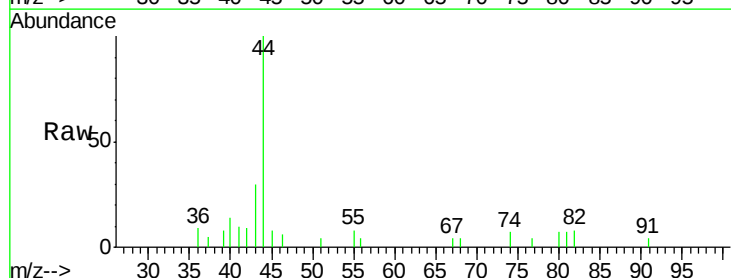
Acq: 03 May 2018 13:26

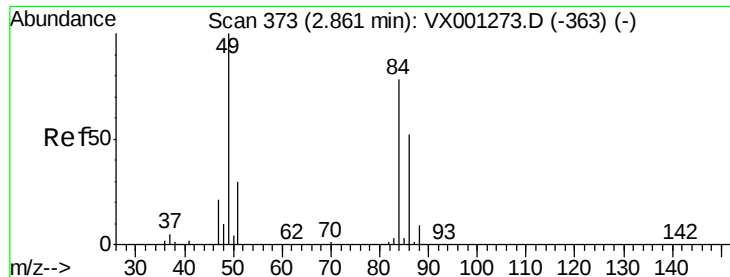
Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

74 19.5 17.8 26.6

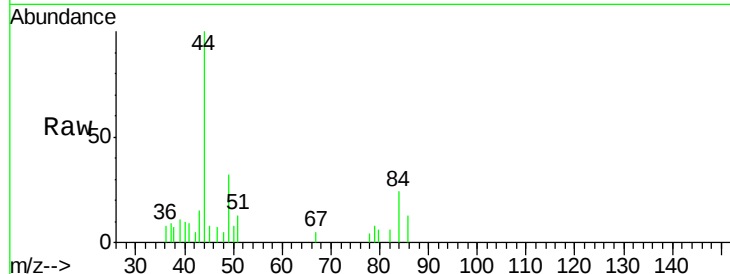




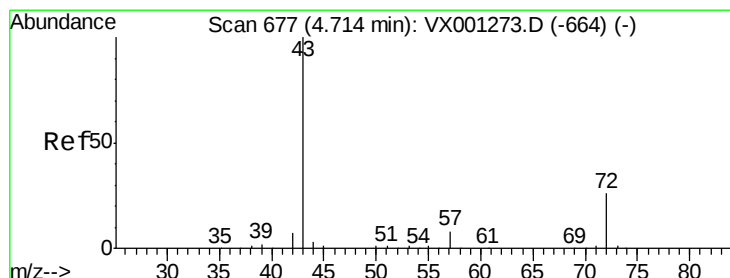
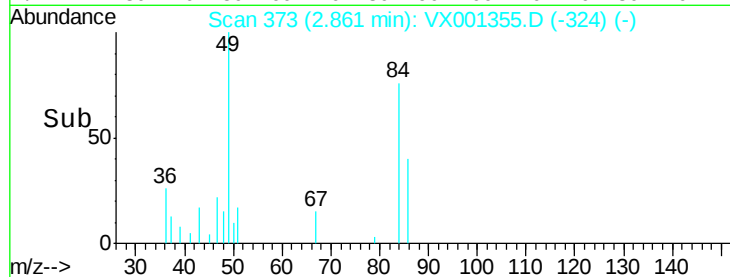
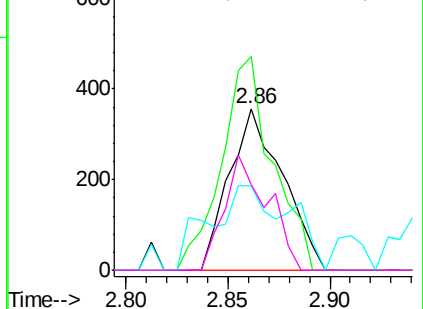
#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001355.D
Acq: 03 May 2018 13:26

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

Tgt Ion: 84 Resp: 648
Ion Ratio Lower Upper
84 100
49 132.3 102.8 154.2
51 32.9 30.9 46.3
86 53.4 53.0 79.4

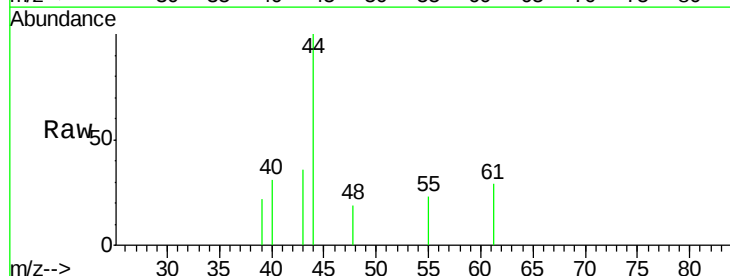


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

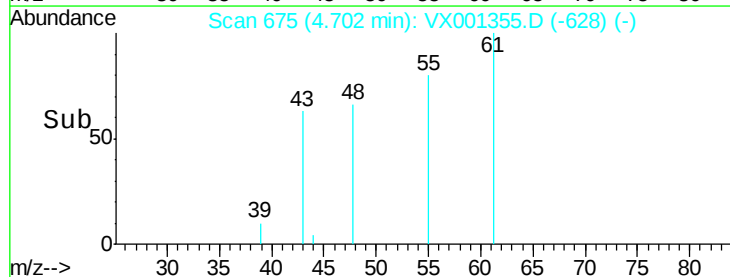
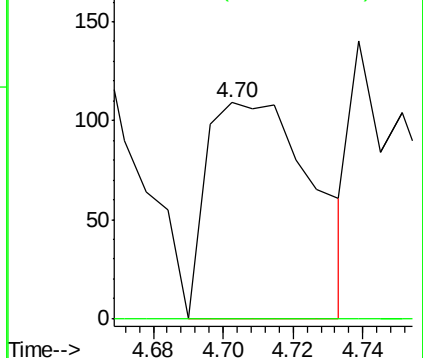


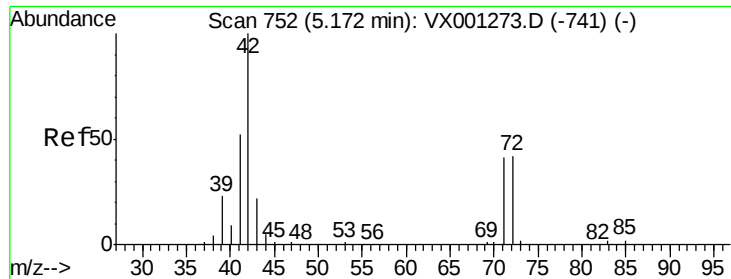
#25
2-Butanone
Concen: 0.20 ug/l
RT: 4.70 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX001355.D
Acq: 03 May 2018 13:26

Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

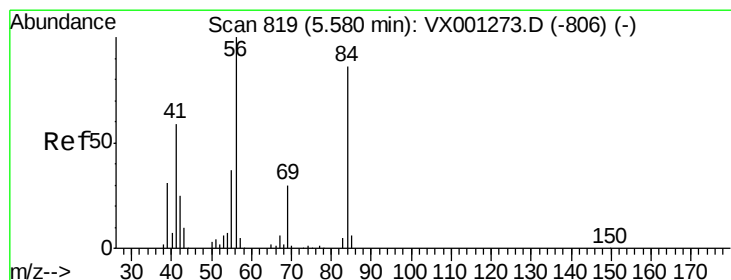
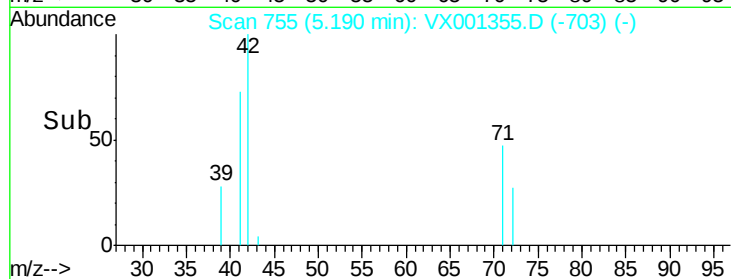
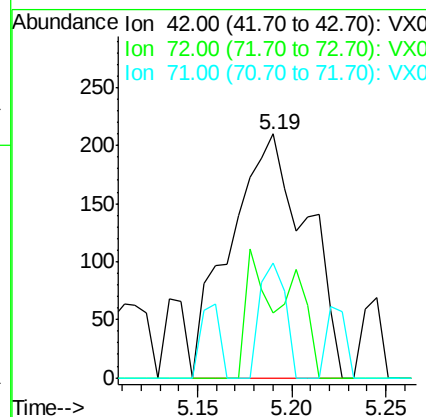
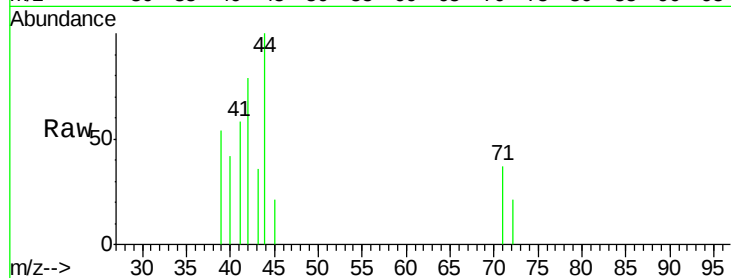




#29
Tetrahydrofuran
Concen: 0.84 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX001355.D
Acq: 03 May 2018 13:26

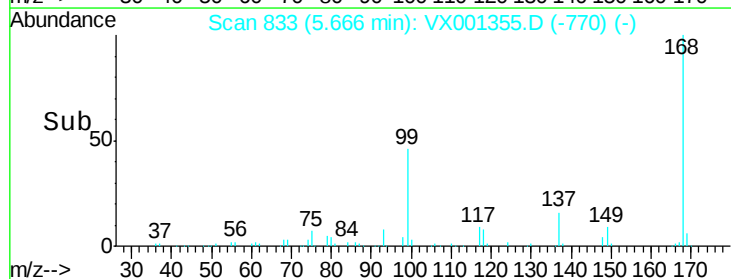
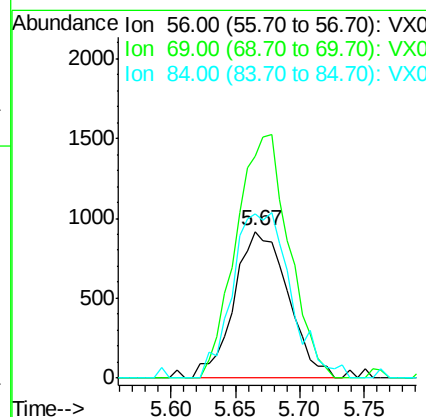
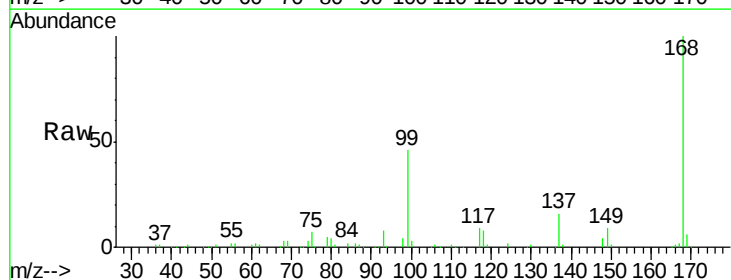
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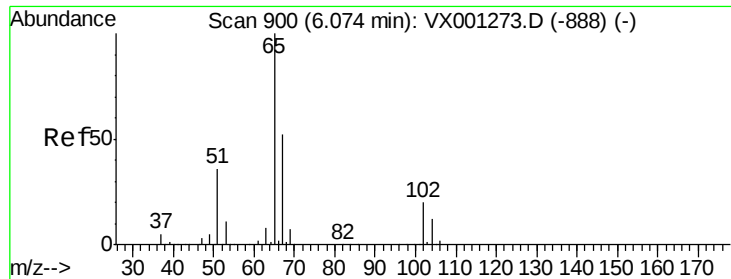
Tgt Ion: 42 Resp: 591
Ion Ratio Lower Upper
42 100
72 15.1 34.6 52.0#
71 15.9 32.7 49.1#



#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001355.D
Acq: 03 May 2018 13:26

Tgt Ion: 56 Resp: 2668
Ion Ratio Lower Upper
56 100
69 151.1 24.0 36.0#
84 111.8 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 44.95 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

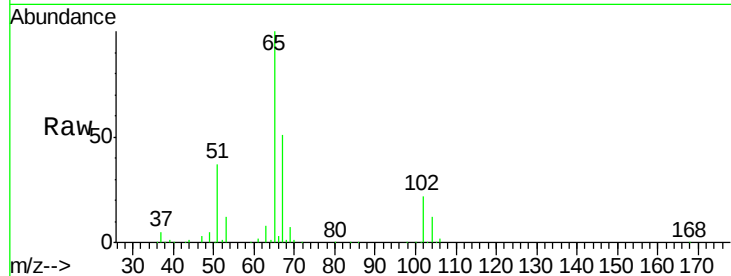
STORAGEBLANK-SOILREF-6

Tgt Ion: 65 Resp: 89163

Ion Ratio Lower Upper

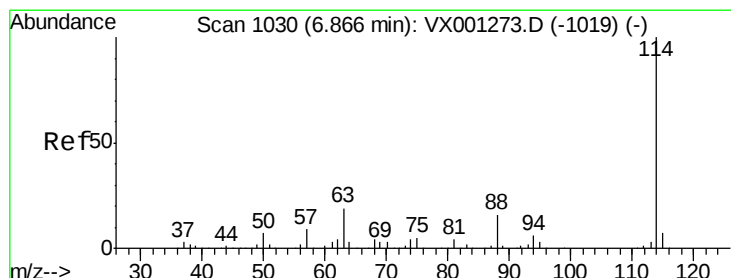
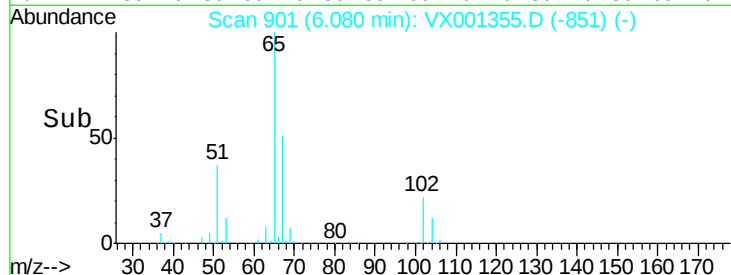
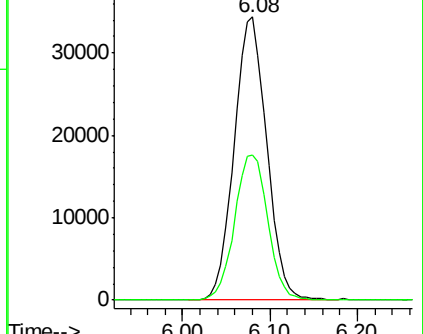
65 100

67 52.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

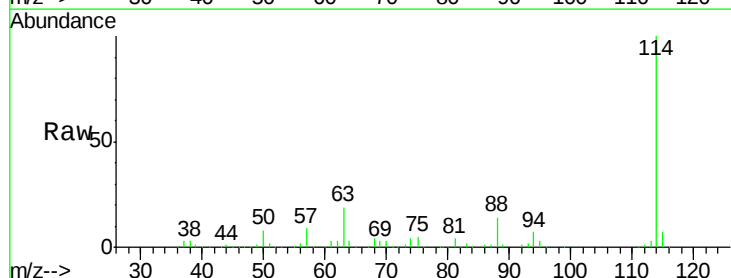
Tgt Ion: 114 Resp: 192928

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

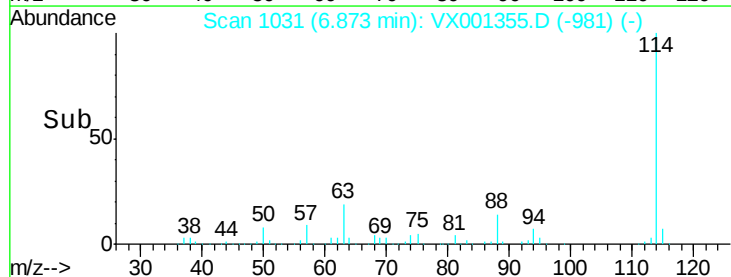
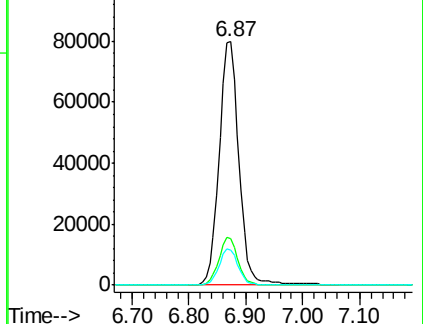
88 14.4 0.0 32.2

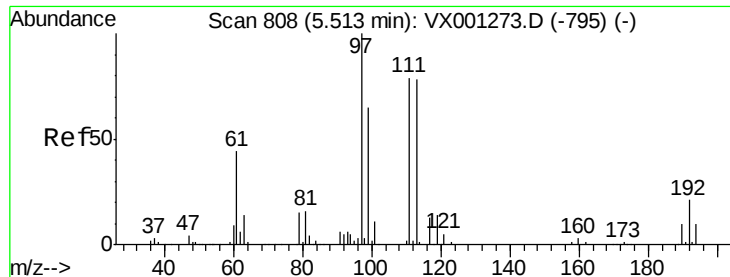


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

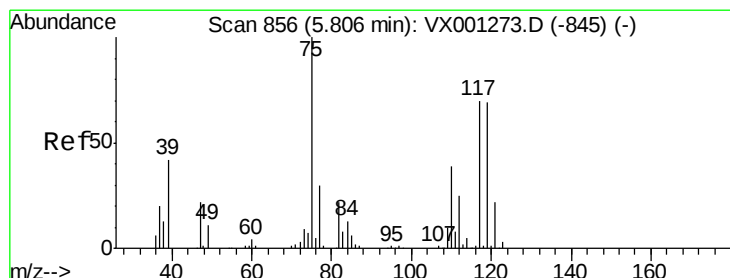
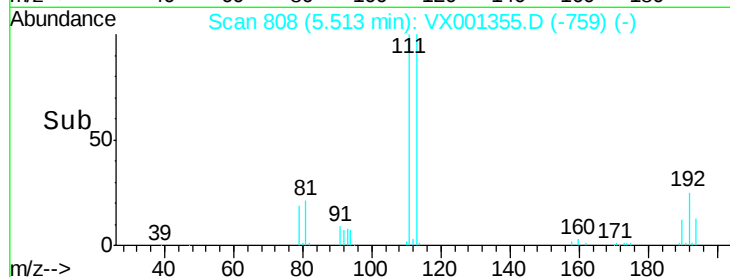
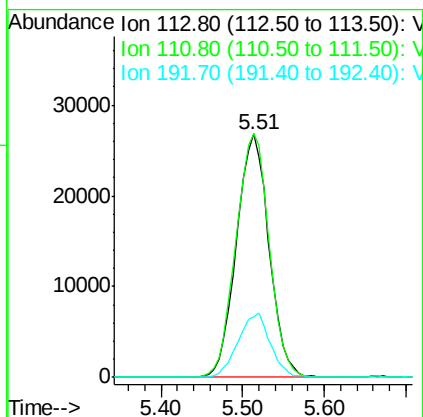
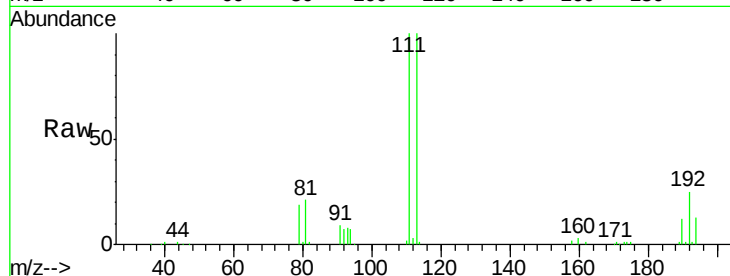




#35
 Dibromofluoromethane
 Concen: 44.72 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001355.D
 Acq: 03 May 2018 13:26

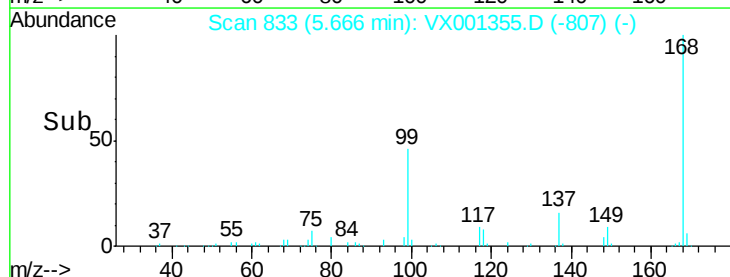
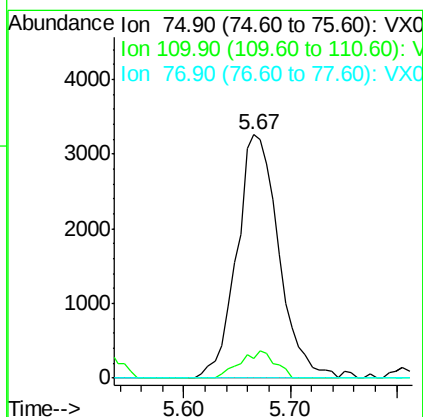
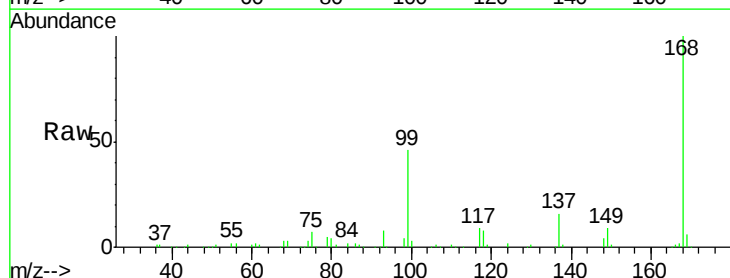
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

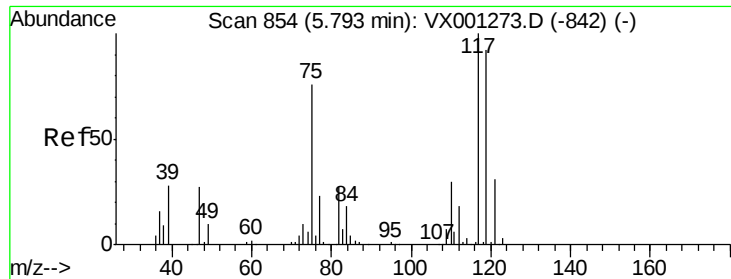
Tgt Ion:113 Resp: 74332
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.2 121.8
 192 26.0 20.7 31.1



#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001355.D
 Acq: 03 May 2018 13:26

Tgt Ion: 75 Resp: 9000
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.9 56.9#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.31 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

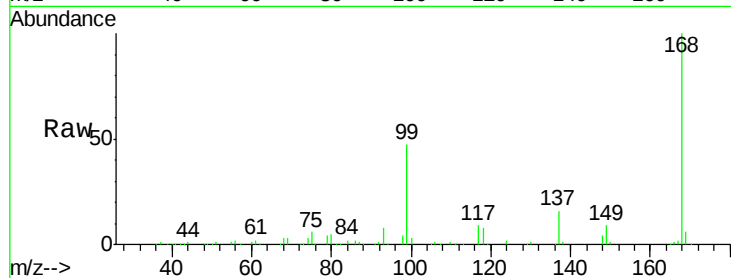
Tgt Ion:117 Resp: 12393

Ion Ratio Lower Upper

117 100

119 4.5 73.4 110.2#

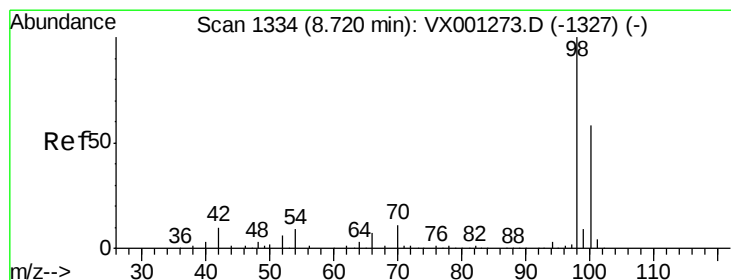
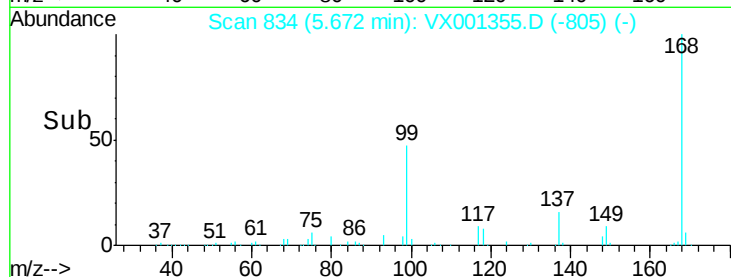
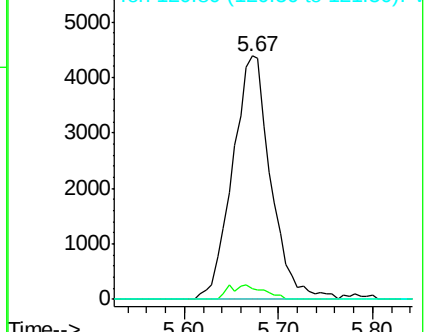
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 44.72 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001355.D

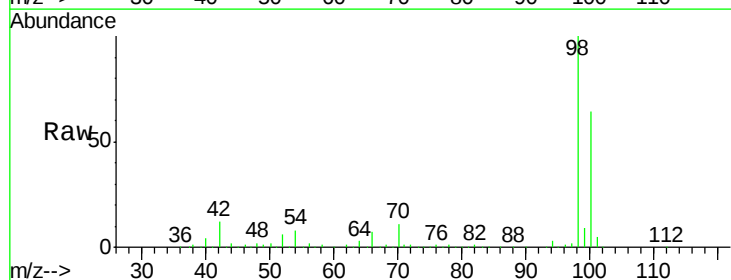
Acq: 03 May 2018 13:26

Tgt Ion: 98 Resp: 265570

Ion Ratio Lower Upper

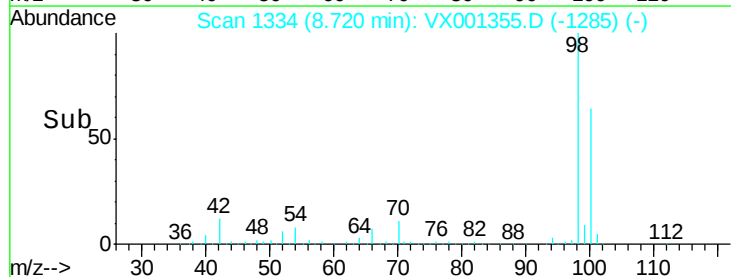
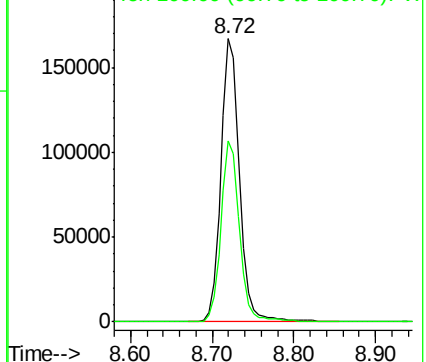
98 100

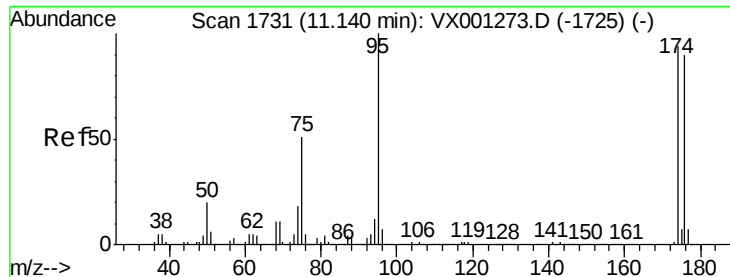
100 63.8 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

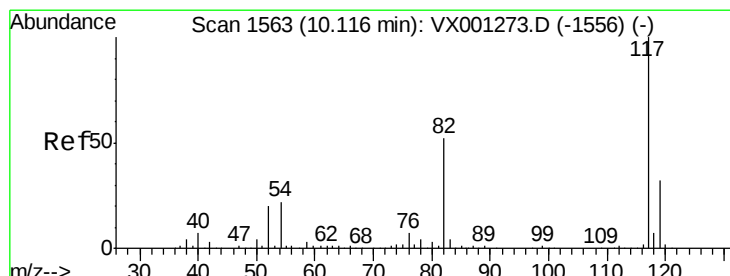
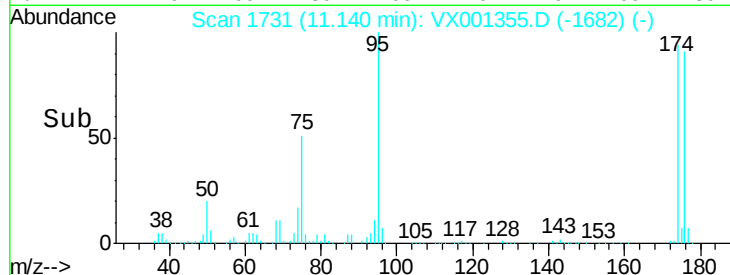
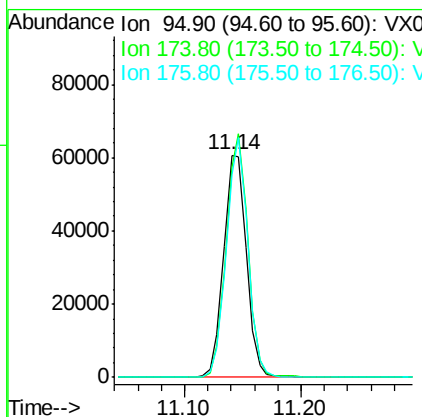
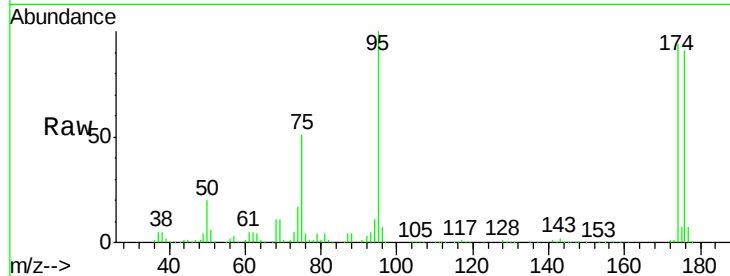




#62
4-Bromofluorobenzene
Concen: 34.71 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001355.D
Acq: 03 May 2018 13:26

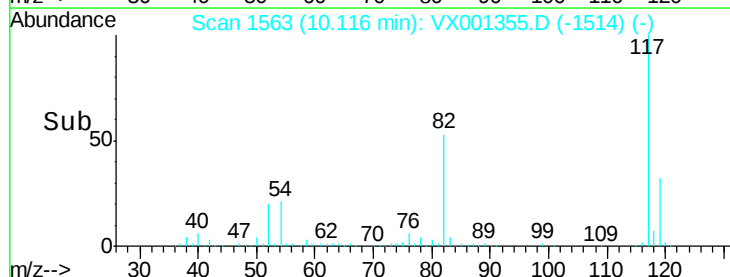
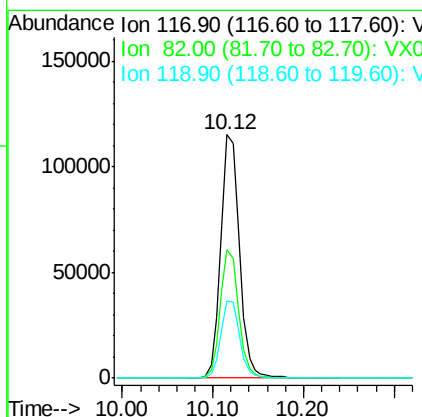
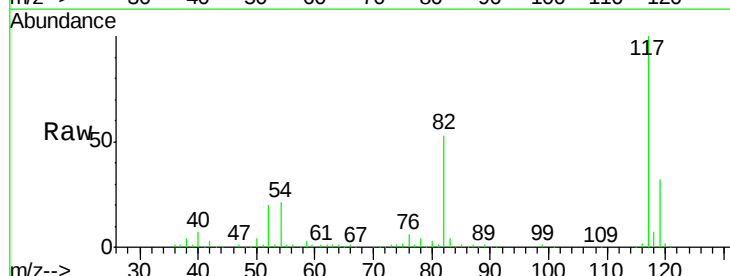
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

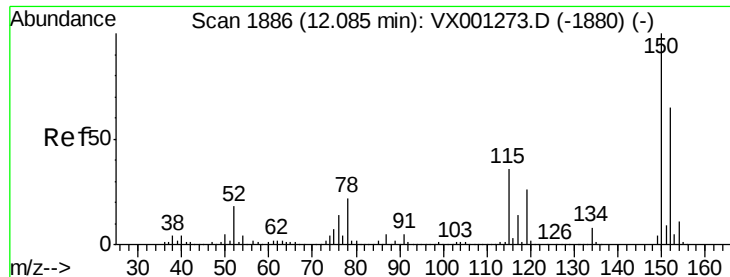
Tgt Ion: 95 Resp: 82433
Ion Ratio Lower Upper
95 100
174 104.0 0.0 201.8
176 101.2 0.0 197.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001355.D
Acq: 03 May 2018 13:26

Tgt Ion: 117 Resp: 166649
Ion Ratio Lower Upper
117 100
82 52.7 41.4 62.0
119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

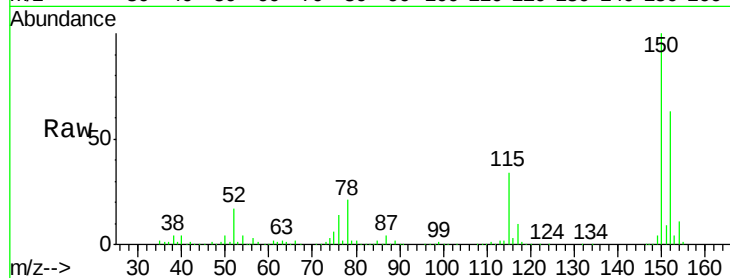
Tgt Ion:152 Resp: 87492

Ion Ratio Lower Upper

152 100

115 53.2 38.6 115.7

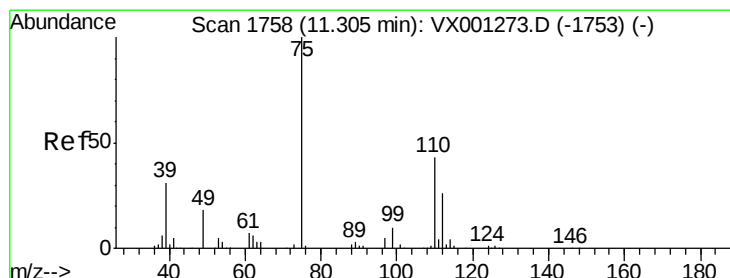
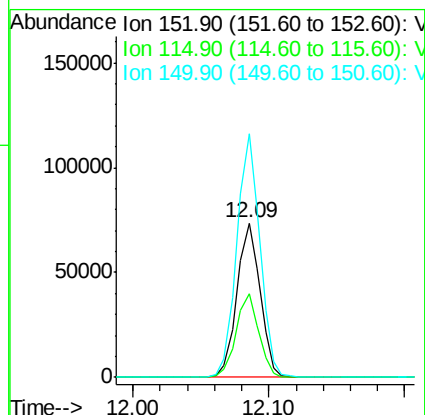
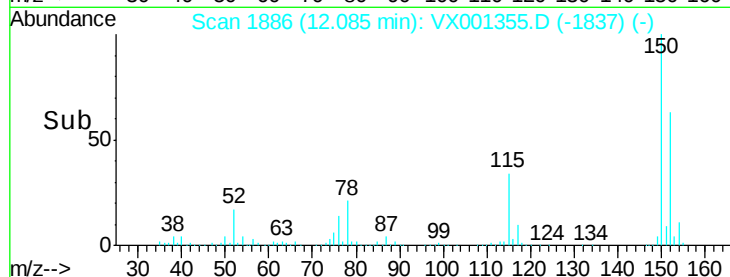
150 156.4 0.0 349.2



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: 25.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001355.D

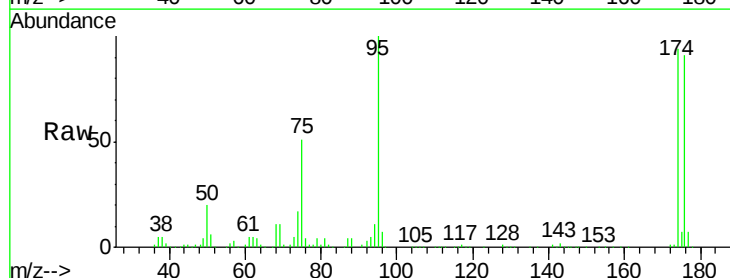
Acq: 03 May 2018 13:26

Tgt Ion: 75 Resp: 41874

Ion Ratio Lower Upper

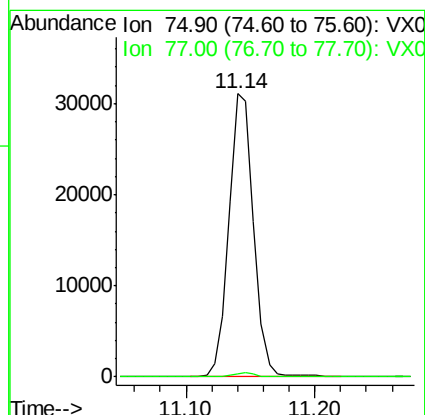
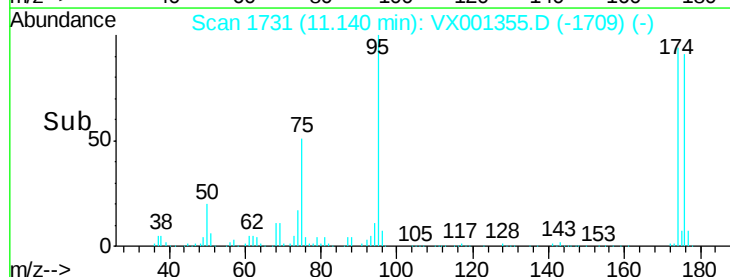
75 100

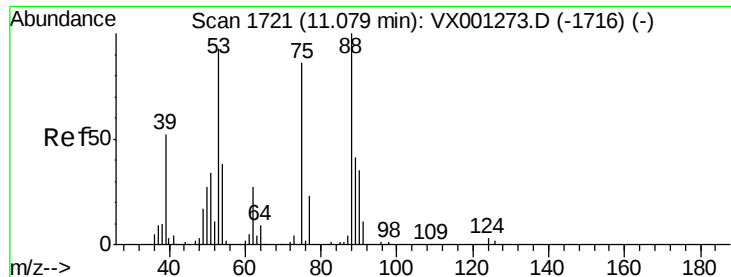
77 1.3 18.9 56.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 81.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001355.D

Acq: 03 May 2018 13:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

Tgt Ion: 75 Resp: 41874

Ion Ratio Lower Upper

75 100

53 0.1 87.1 130.7#

89 0.1 38.9 58.3#

