

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002605.D
 Acq On : 15 Jun 2018 19:16
 Operator : JC/MD
 Sample : J3544-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-SOILREF-6

Quant Time: Jun 15 23:51:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 14:54:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300955	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	158893	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	142182	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
35) Dibromofluoromethane	5.51	113	106647	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
50) Toluene-d8	8.72	98	427351	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
62) 4-Bromofluorobenzene	11.14	95	150580	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1330	0.49	ug/l #	75
5) Bromomethane	1.64	94	2416	1.43	ug/l #	76
9) 1,1,2-Trichlorotrifluoroet	2.39	101	540	0.21	ug/l	90
10) Methyl Iodide	2.51	142	3339	6.05	ug/l #	97
11) Tert butyl alcohol	3.07	59	479	0.71	ug/l #	80
13) Acrolein	2.29	56	504	8.42	ug/l #	63
15) Acrylonitrile	3.15	53	1108	0.75	ug/l #	72
16) Acetone	2.45	43	5253	3.65	ug/l	99
17) Carbon Disulfide	2.57	76	3210	0.56	ug/l #	90
18) Methyl Acetate	2.79	43	821	0.21	ug/l #	71
20) Methylene Chloride	2.86	84	1799	0.61	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	1023	0.39	ug/l #	71
23) Vinyl Acetate	3.83	43	2755	0.38	ug/l #	94
25) 2-Butanone	4.73	43	1122	0.59	ug/l #	87
27) cis-1,2-Dichloroethene	4.59	96	573	0.22	ug/l #	1
29) Tetrahydrofuran	5.17	42	1329	1.07	ug/l #	78
36) 1,1-Dichloropropene	5.79	75	990	0.31	ug/l #	59
38) Carbon Tetrachloride	5.67	117	19510	6.13	ug/l #	15
39) Methylcyclohexane	7.46	83	794	0.21	ug/l	95
44) Trichloroethene	7.21	130	804	0.29	ug/l	89
49) 1,4-Dioxane	7.78	88	59	1.02	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	1267	0.33	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	434	2.50	ug/l	92
54) cis-1,3-Dichloropropene	9.04	75	465	3.33	ug/l #	70
59) 2-Hexanone	9.51	43	1044	0.36	ug/l	84
60) Dibromochloromethane	9.60	129	214	3.83	ug/l #	47
64) Tetrachloroethene	9.34	164	971	0.31	ug/l	92
65) Chlorobenzene	10.14	112	1472	0.22	ug/l	93
67) Ethyl Benzene	10.26	91	2358	0.20	ug/l	97
68) m/p-Xylenes	10.36	106	1877	0.42	ug/l	80
71) Bromoform	10.86	173	67	4.87	ug/l #	28
73) Isopropylbenzene	11.02	105	2313	0.22	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	80415	26.82	ug/l #	33
77) Bromobenzene	11.26	156	800	0.27	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

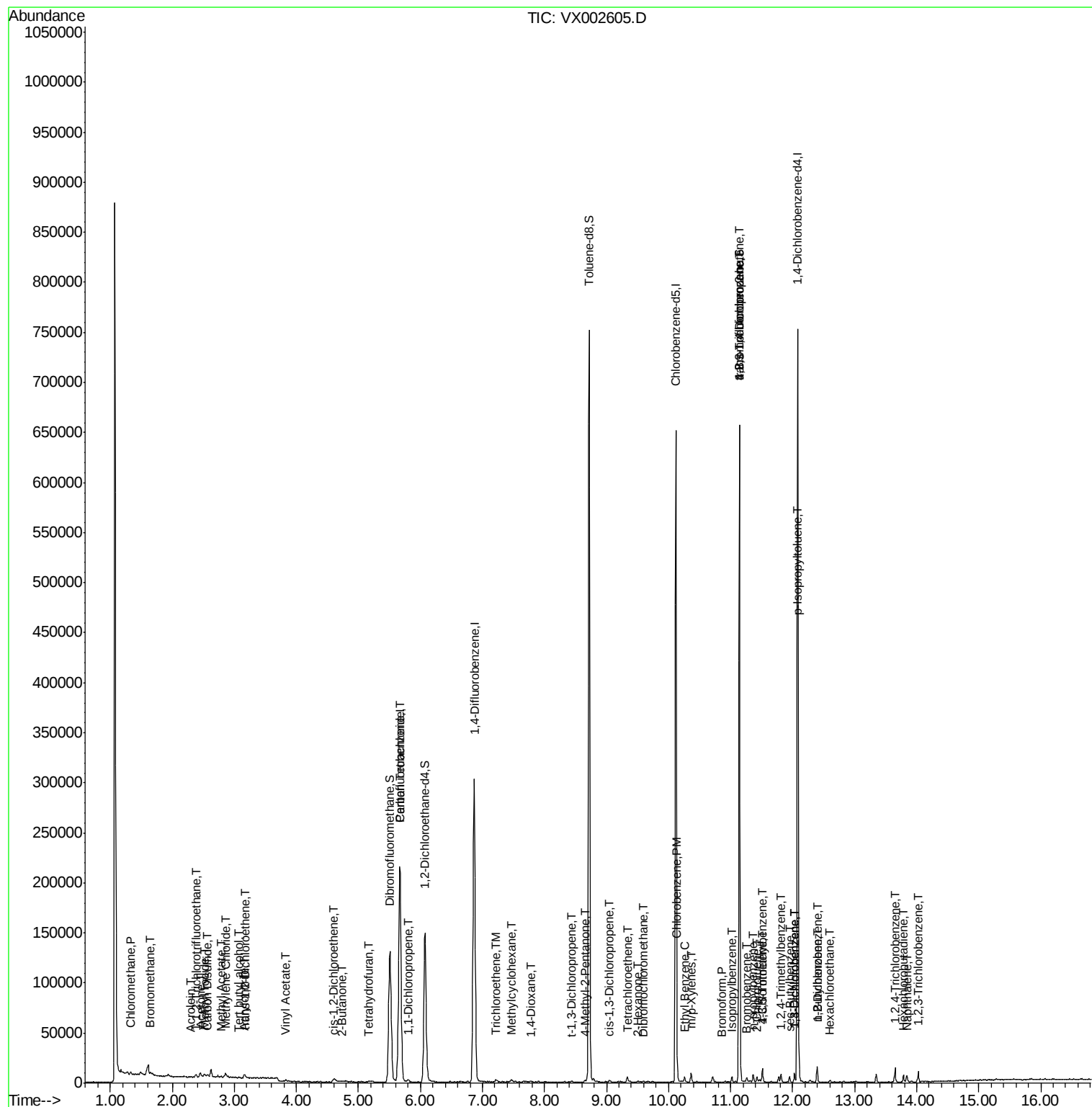
78) n-propylbenzene	11.37	91	3934	0.32	ug/l	95
79) 2-Chlorotoluene	11.43	91	2061	0.28	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	2402	0.27	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	80415	82.82	ug/l #	7
82) 4-Chlorotoluene	11.52	91	3444	0.40	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	3167	0.35	ug/l	99
85) sec-Butylbenzene	11.95	105	2724	0.25	ug/l	99
86) p-Isopropyltoluene	12.07	119	2923	0.30	ug/l #	74
87) 1,3-Dichlorobenzene	12.03	146	2890	0.53	ug/l	94
88) 1,4-Dichlorobenzene	12.03	146	2890	0.53	ug/l	94
89) n-Butylbenzene	12.39	91	3494	0.41	ug/l	95
90) Hexachloroethane	12.60	117	283	2.80	ug/l #	39
91) 1,2-Dichlorobenzene	12.40	146	1743	0.32	ug/l	85
93) 1,2,4-Trichlorobenzene	13.65	180	3240	0.82	ug/l	95
94) Hexachlorobutadiene	13.79	225	1044	0.50	ug/l	84
95) Naphthalene	13.84	128	4146	0.39	ug/l	96
96) 1,2,3-Trichlorobenzene	14.02	180	2500	0.63	ug/l	94

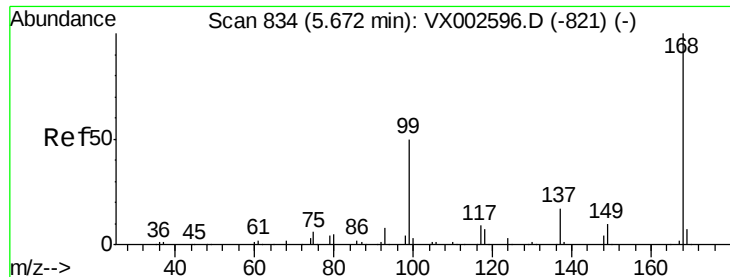
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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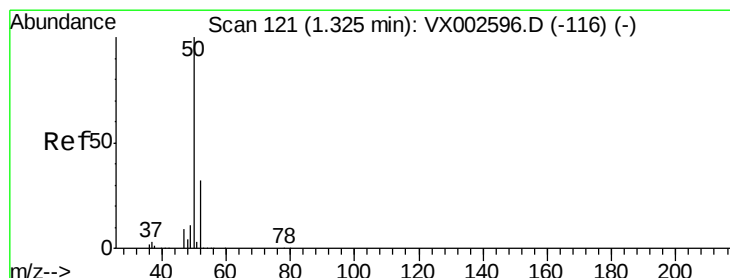
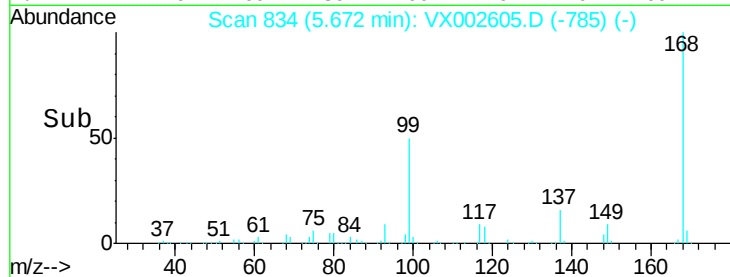
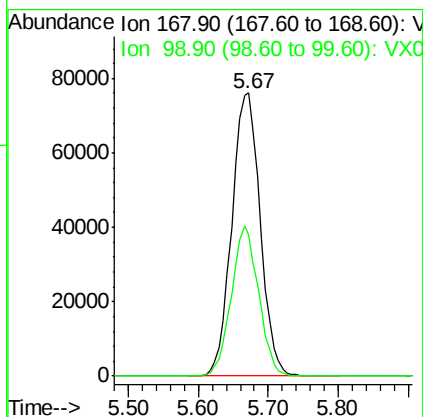
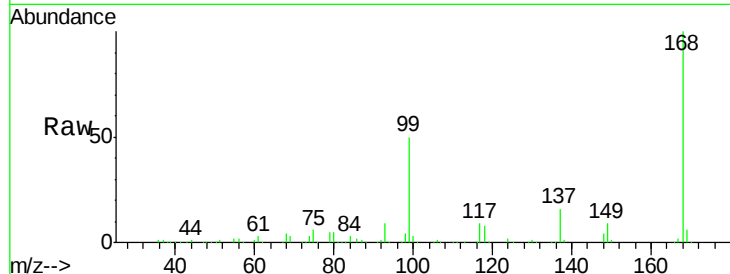




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

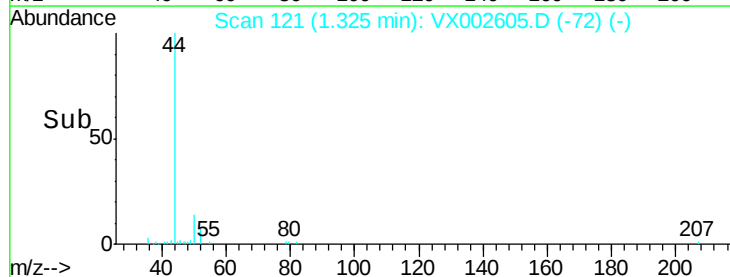
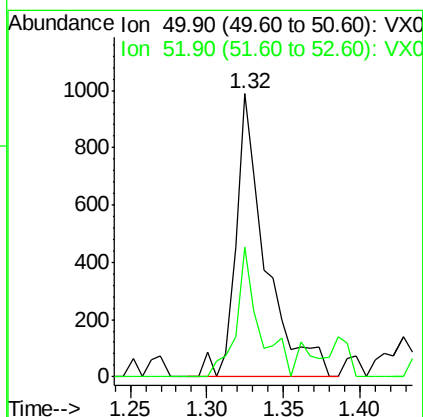
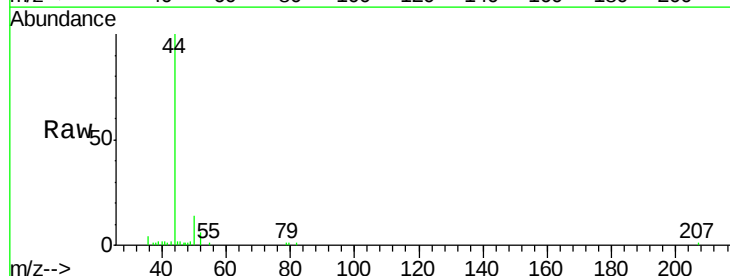
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

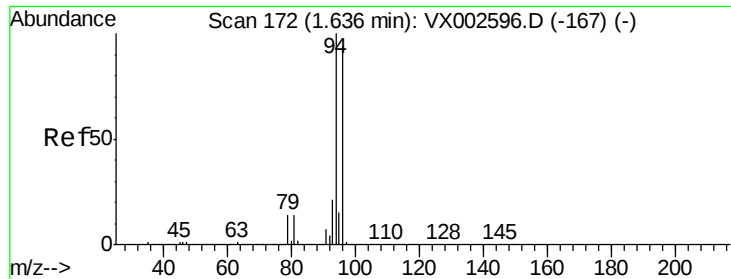
Tot Ion:168 Resp: 214419
Ion Ratio Lower Upper
168 100
99 49.9 39.3 58.9



#3
Chloromethane
Concen: 0.49 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion: 50 Resp: 1330
Ion Ratio Lower Upper
50 100
52 46.0 25.7 38.5#





#5

Bromomethane

Concen: 1.43 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

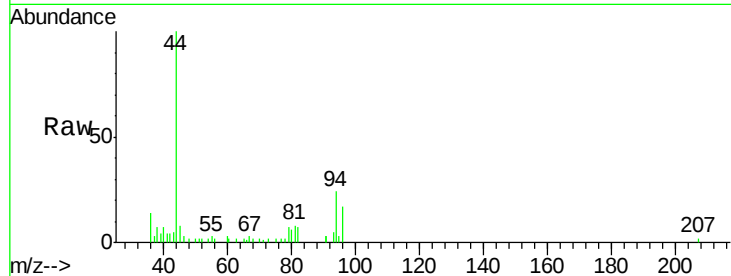
STORAGEBLANK-SOILREF-6

Tot Ion: 94 Resp: 2416

Ion Ratio Lower Upper

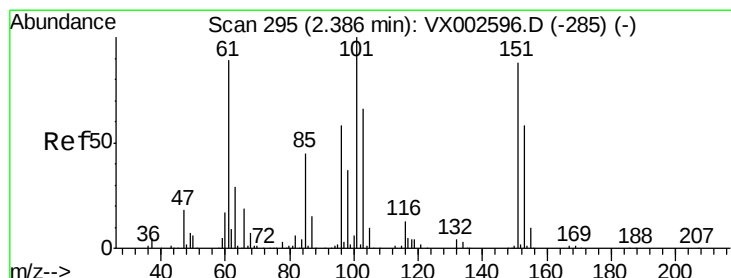
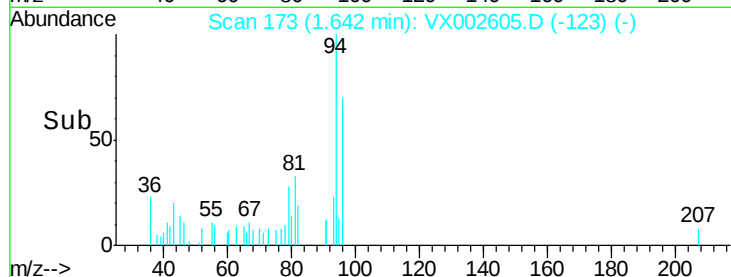
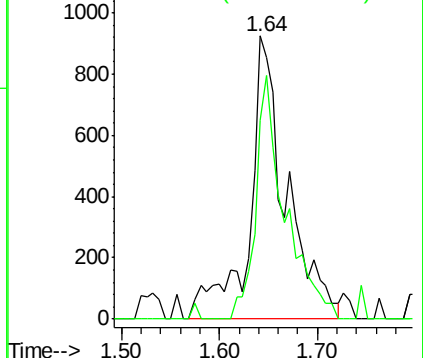
94 100

96 70.1 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.21 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

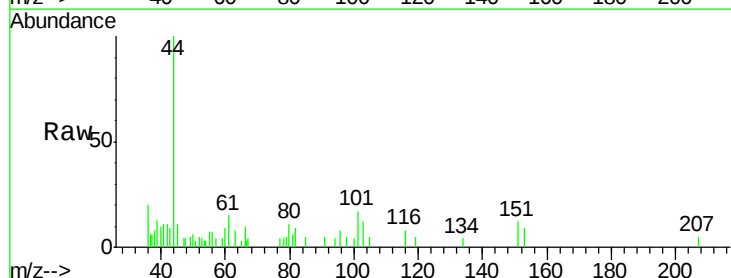
Tgt Ion:101 Resp: 540

Ion Ratio Lower Upper

101 100

85 40.0 36.0 54.0

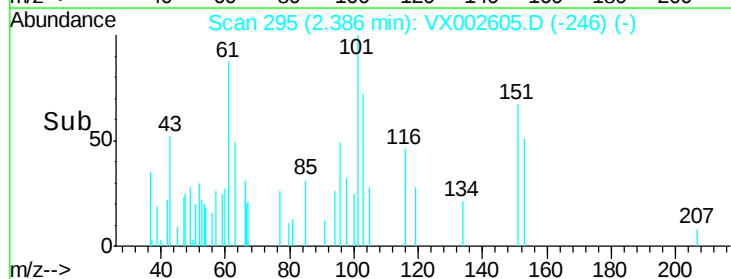
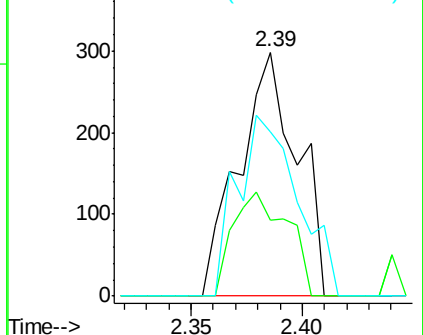
151 78.0 70.9 106.3

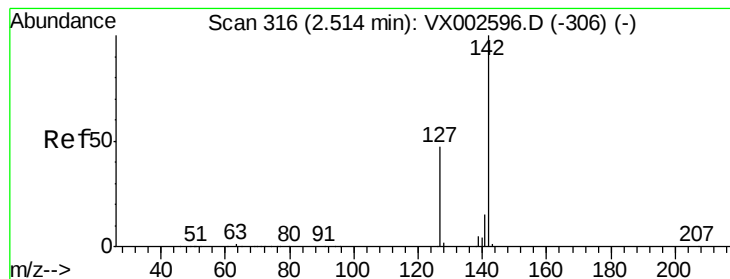


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#10

Methvl Iodide

Concen: 6.05 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

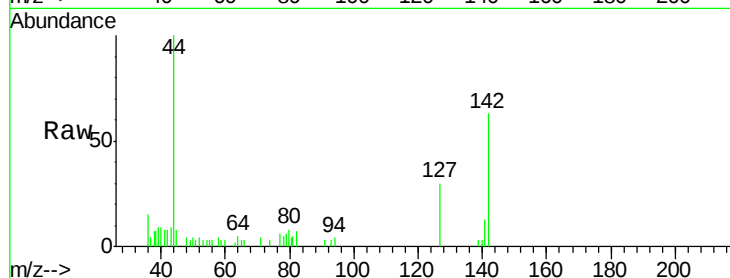
Tot Ion:142 Resp: 3339

Ion Ratio Lower Upper

142 100

127 46.6 36.6 55.0

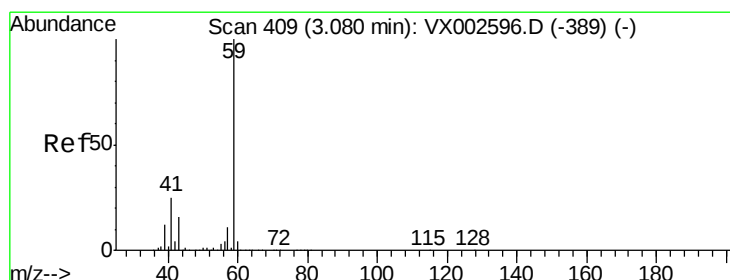
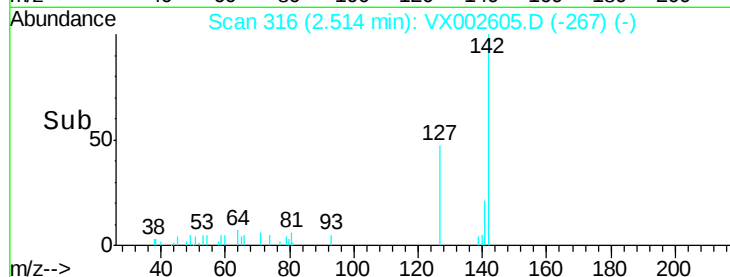
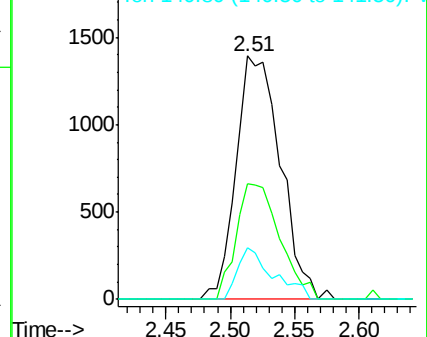
141 17.0 11.3 16.9#



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



#11

Tert butyl alcohol

Concen: 0.71 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX002605.D

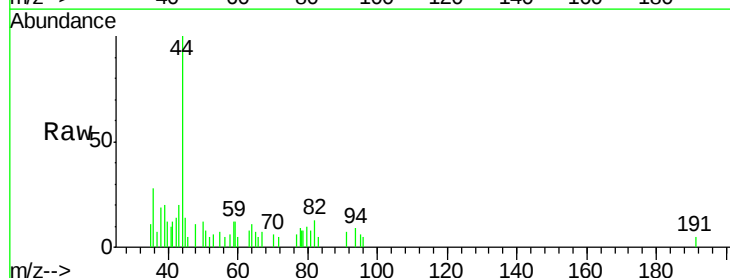
Acq: 15 Jun 2018 19:16

Tgt Ion: 59 Resp: 479

Ion Ratio Lower Upper

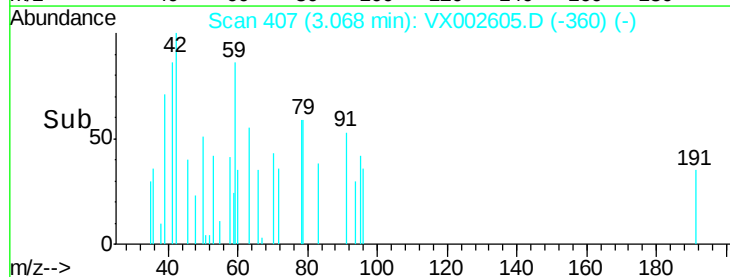
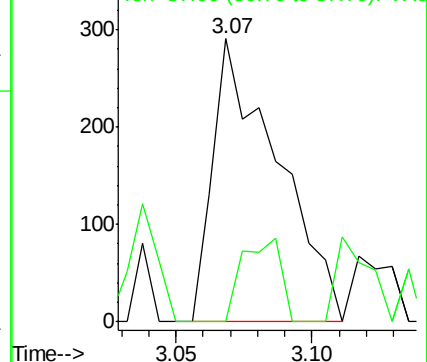
59 100

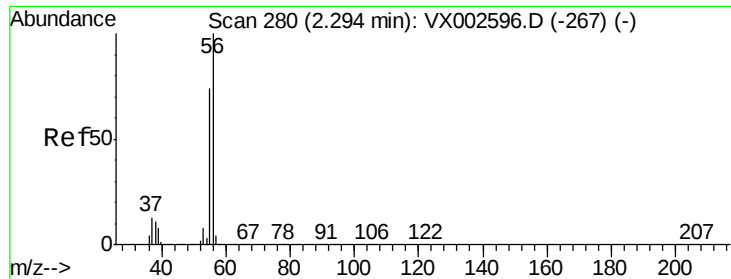
57 17.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 8.42 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

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ClientSampleId :

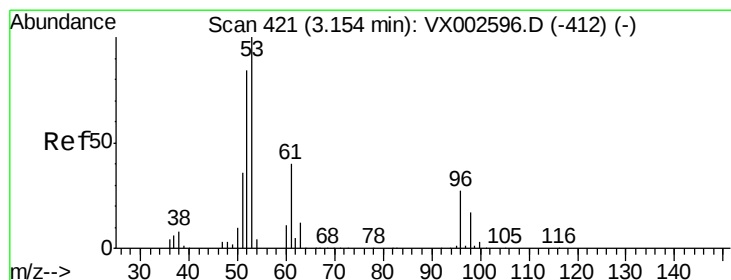
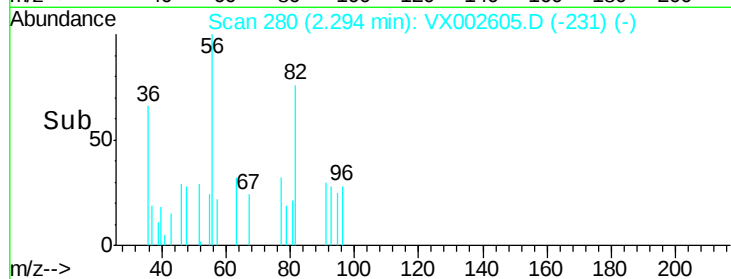
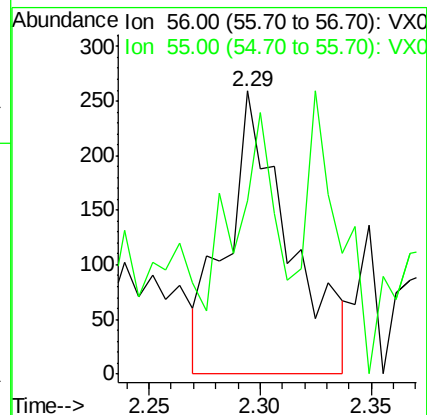
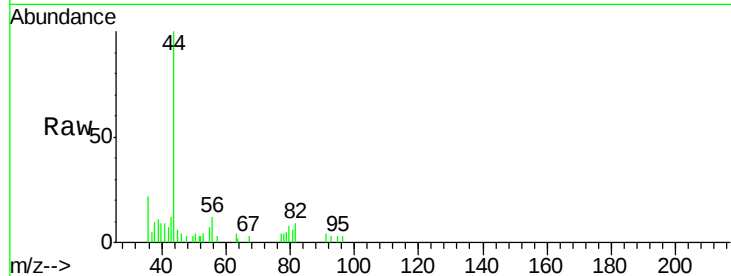
STORAGEBLANK-SOILREF-6

Tot Ion: 56 Resp: 504

Ion Ratio Lower Upper

56 100

55 40.7 57.0 85.4#



#15

Acrylonitrile

Concen: 0.75 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

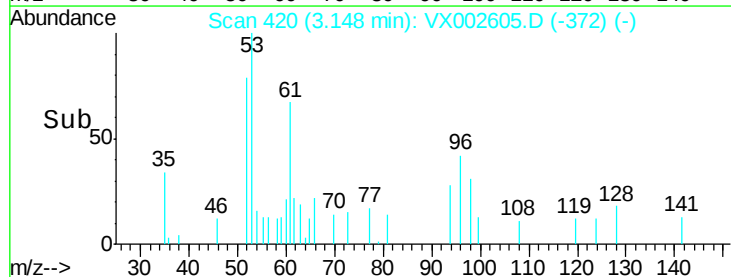
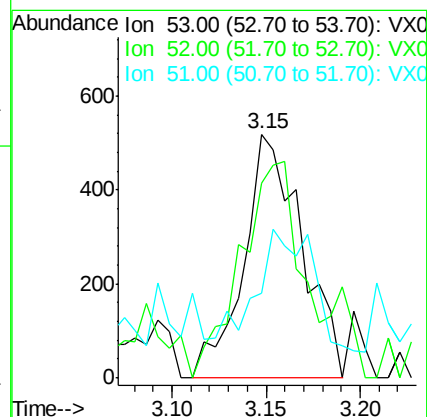
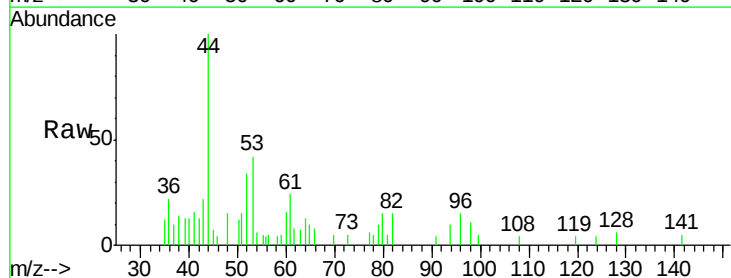
Tgt Ion: 53 Resp: 1108

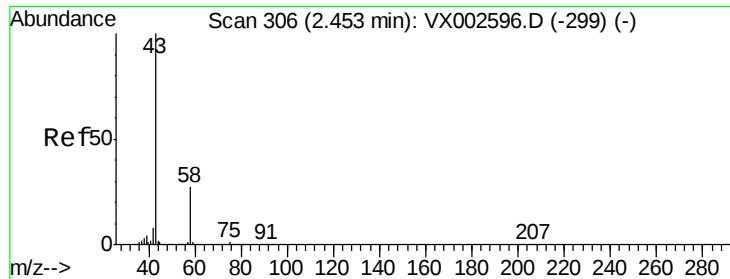
Ion Ratio Lower Upper

53 100

52 104.2 66.7 100.1#

51 61.0 29.9 44.9#





#16

Acetone

Concen: 3.65 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002605.D

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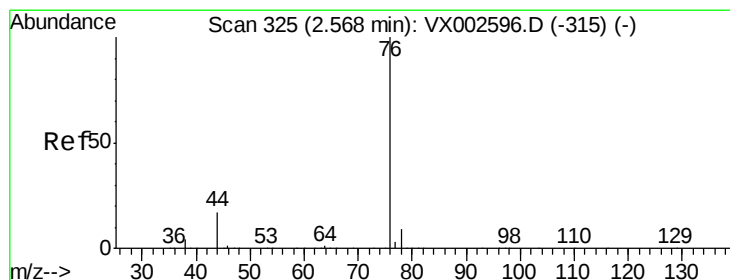
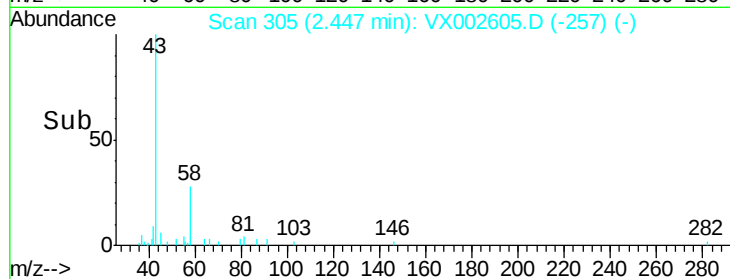
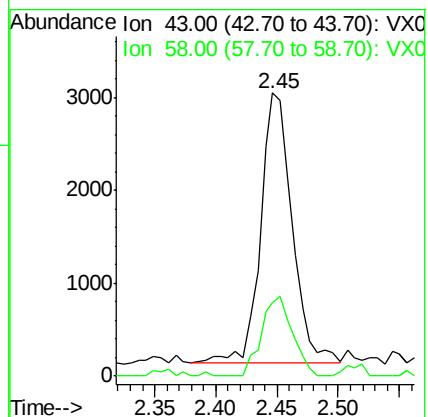
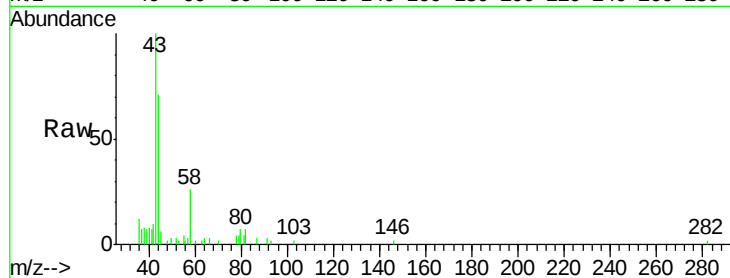
STORAGEBLANK-SOILREF-6

Tot Ion: 43 Resp: 5253

Ion Ratio Lower Upper

43 100

58 27.1 22.1 33.1



#17

Carbon Disulfide

Concen: 0.56 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002605.D

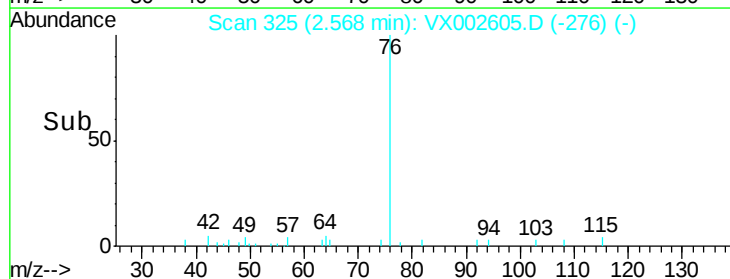
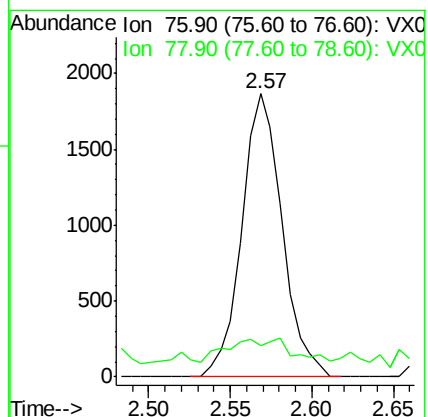
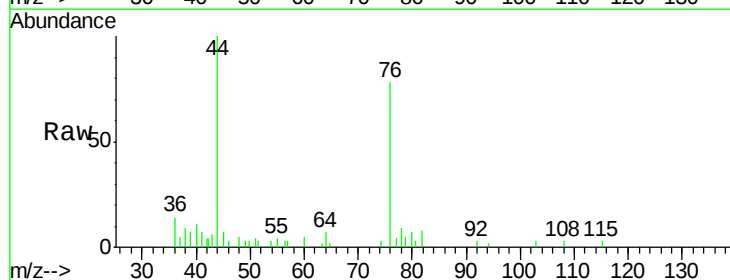
Acq: 15 Jun 2018 19:16

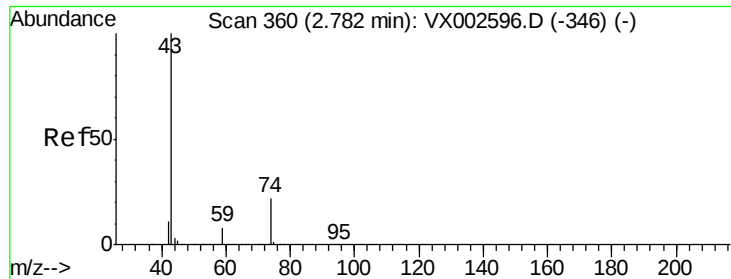
Tgt Ion: 76 Resp: 3210

Ion Ratio Lower Upper

76 100

78 4.9 6.9 10.3#

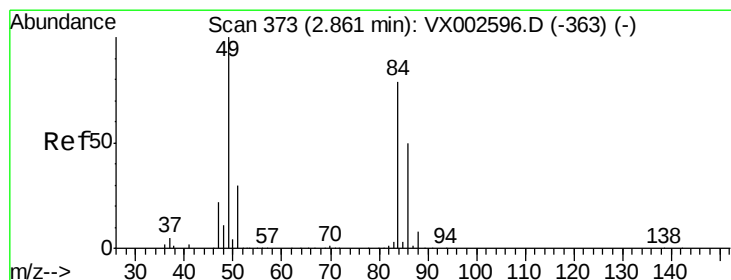
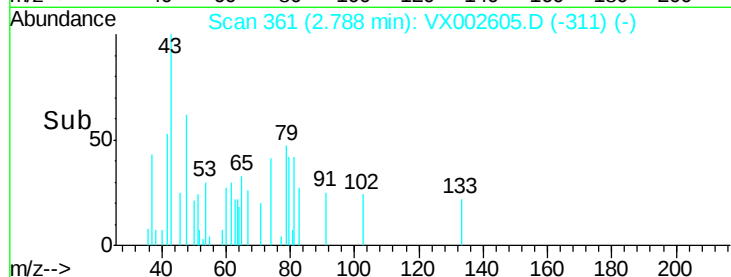
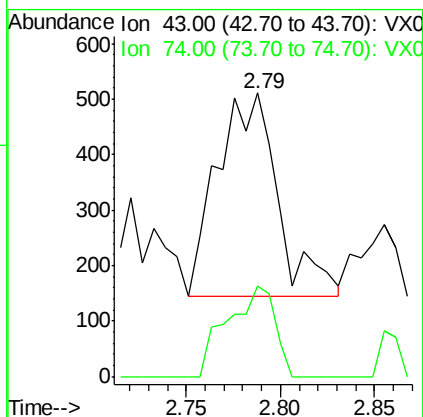
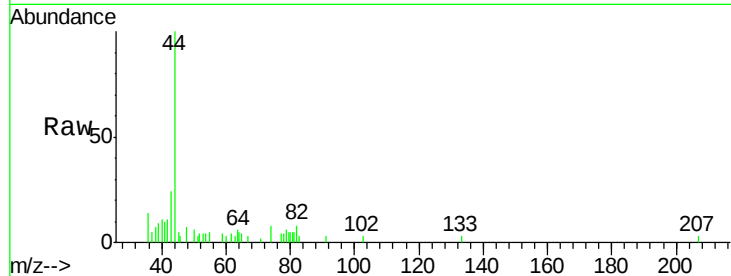




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

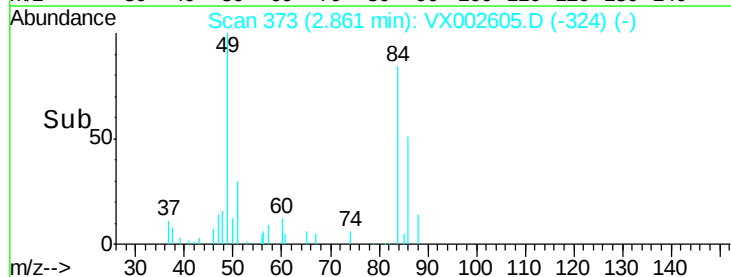
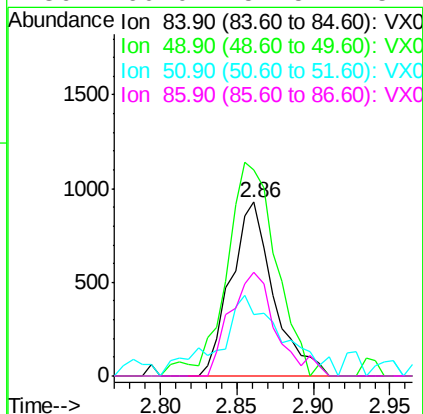
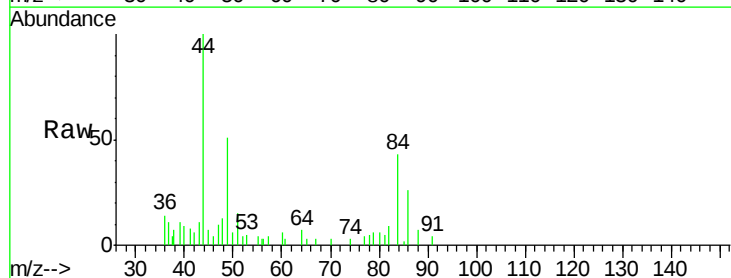
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

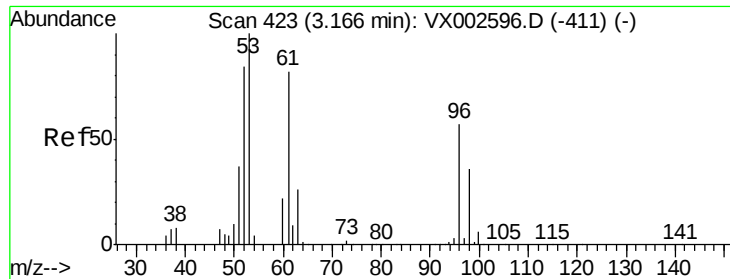
Tot Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
74 34.5 16.7 25.1#



#20
Methylene Chloride
Concen: 0.61 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion: 84 Resp: 1799
Ion Ratio Lower Upper
84 100
49 118.6 107.8 161.6
51 35.1 32.8 49.2
86 60.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.39 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

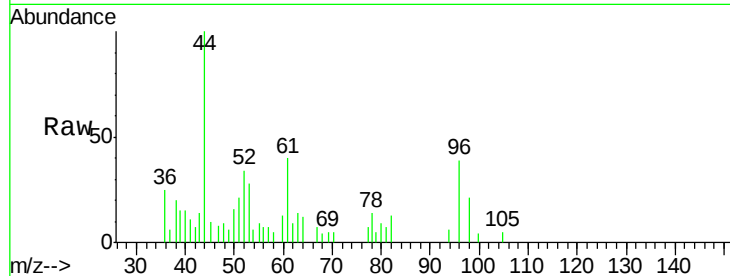
Tot Ion: 96 Resp: 1023

Ion Ratio Lower Upper

96 100

61 101.5 117.0 175.4#

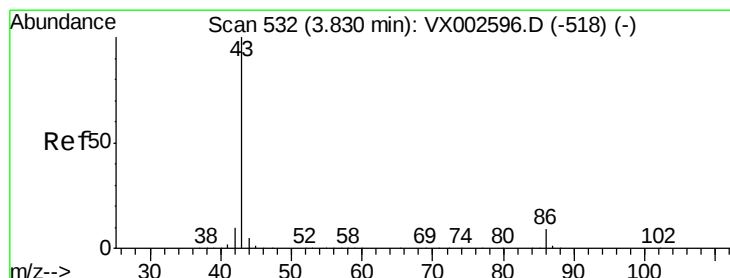
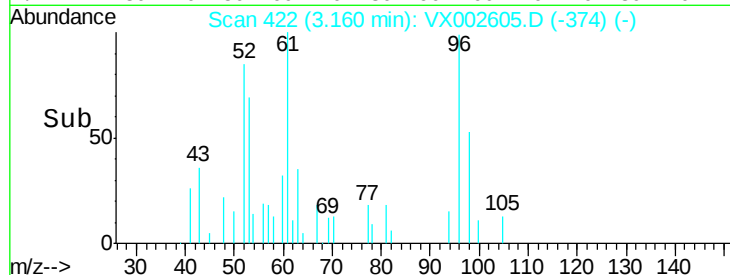
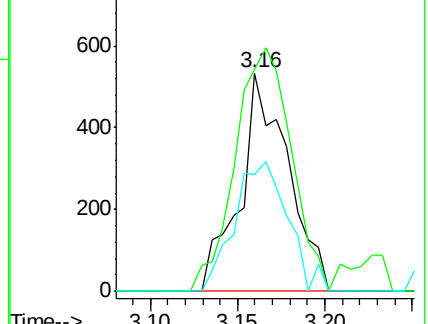
98 53.4 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#23

Vinyl Acetate

Concen: 0.38 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002605.D

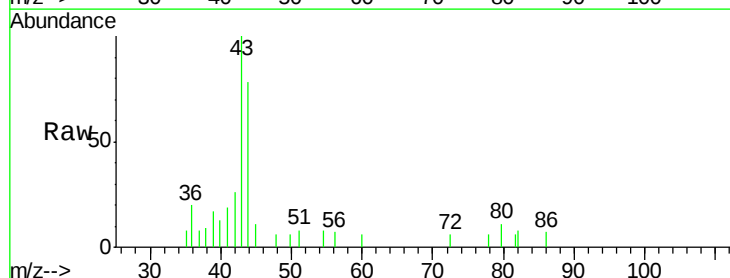
Acq: 15 Jun 2018 19:16

Tgt Ion: 43 Resp: 2755

Ion Ratio Lower Upper

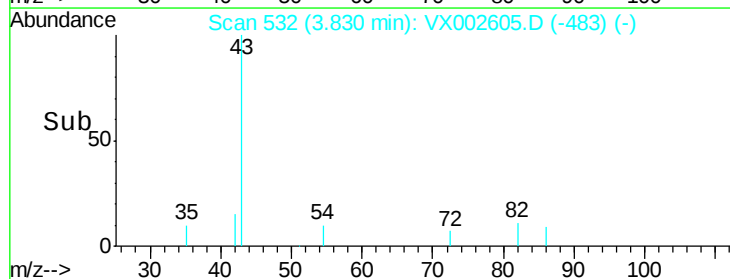
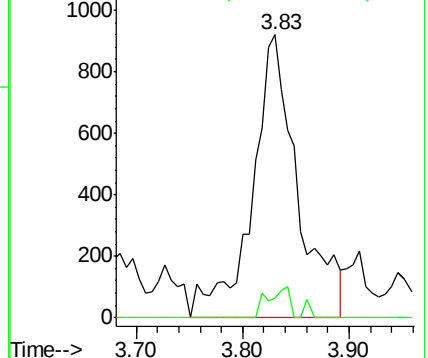
43 100

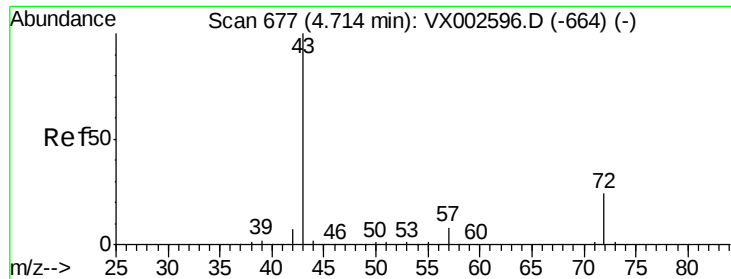
86 6.8 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#25

2-Butanone

Concen: 0.59 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

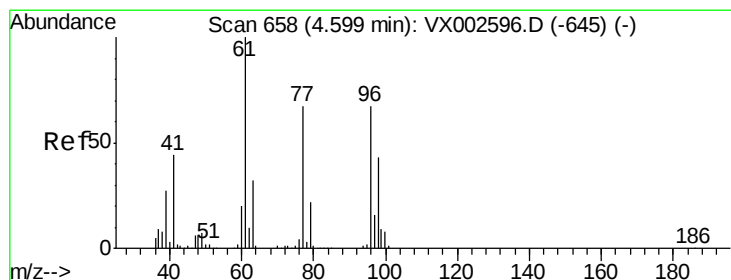
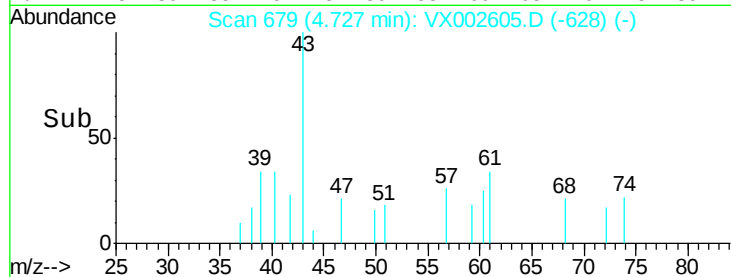
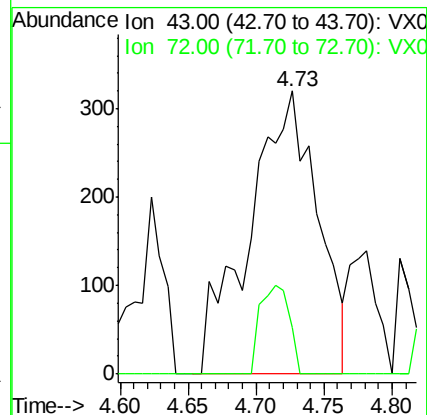
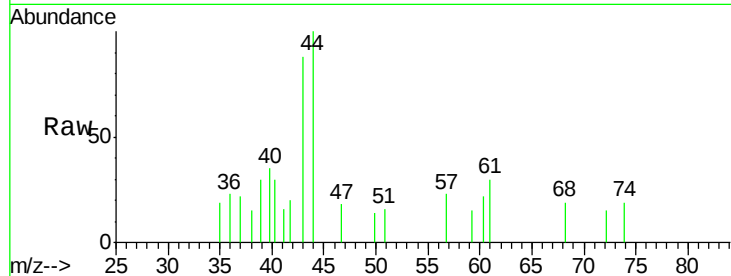
STORAGEBLANK-SOILREF-6

Tot Ion: 43 Resp: 1122

Ion Ratio Lower Upper

43 100

72 16.6 18.5 27.7#



#27

cis-1,2-Dichloroethene

Concen: 0.22 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

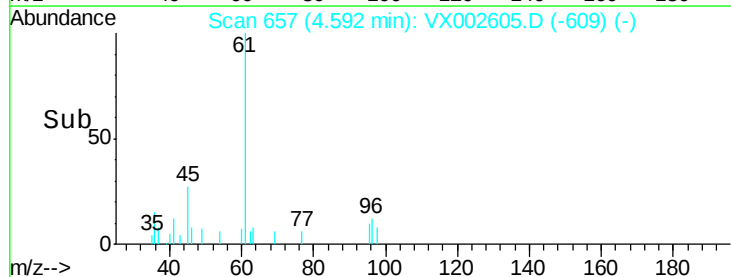
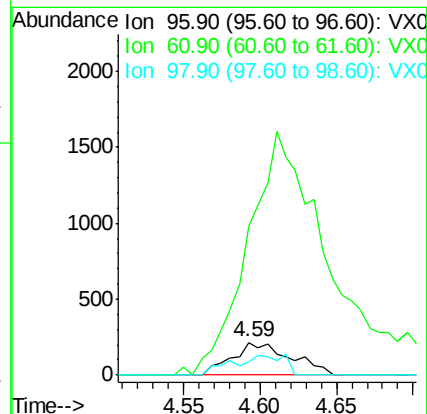
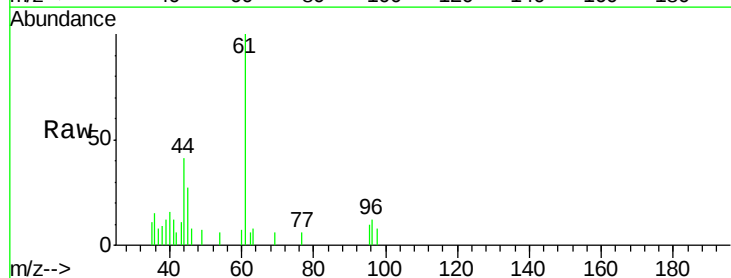
Tgt Ion: 96 Resp: 573

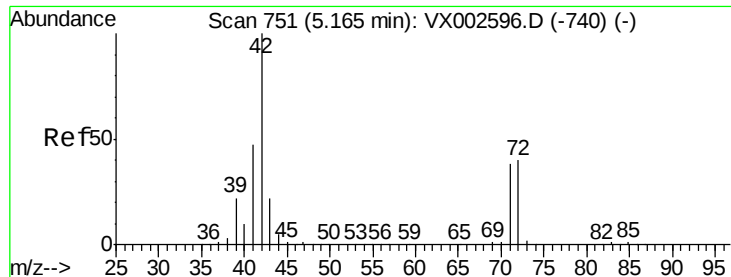
Ion Ratio Lower Upper

96 100

61 0.0 0.0 330.2

98 0.0 0.0 130.2

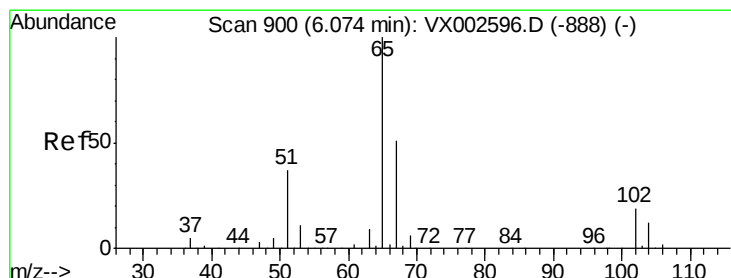
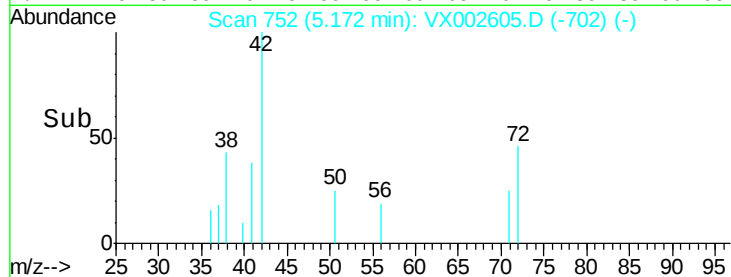
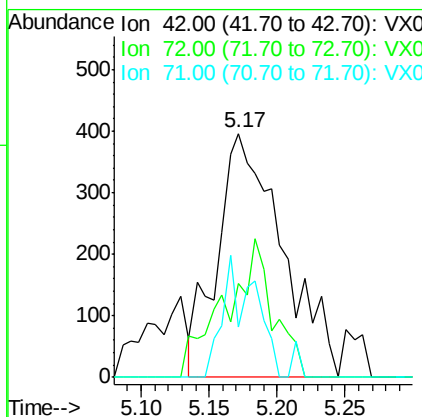
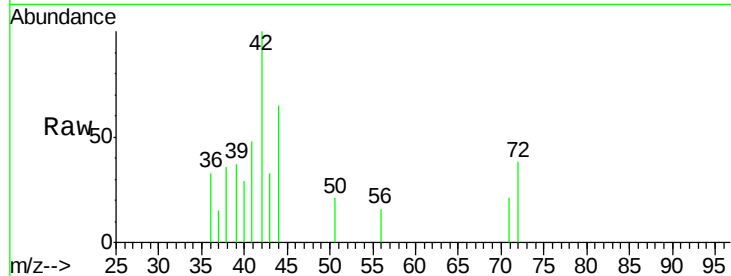




#29
Tetrahydrofuran
Concen: 1.07 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

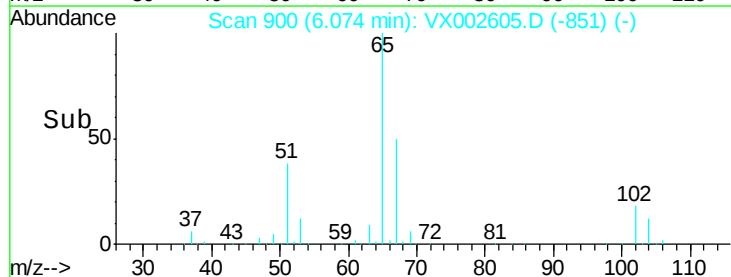
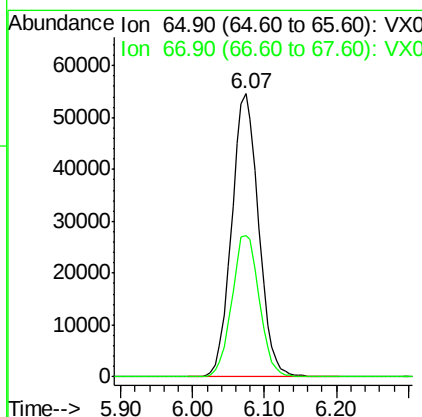
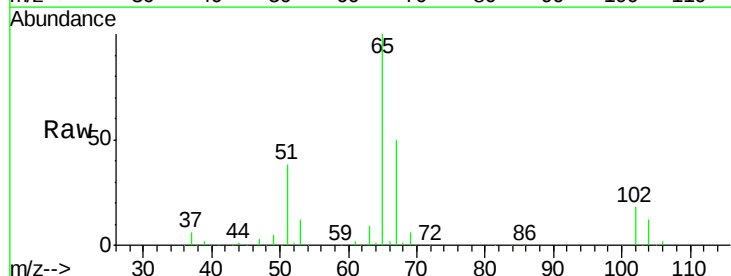
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

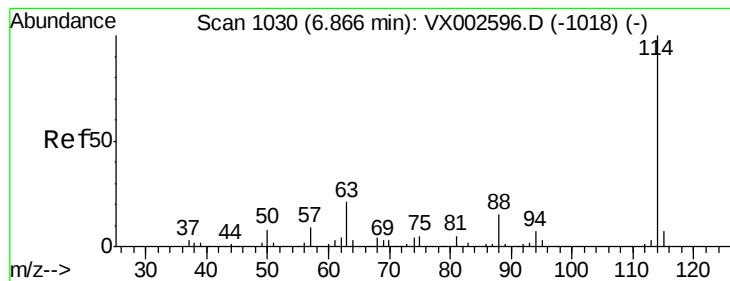
Tot Ion: 42 Resp: 1329
Ion Ratio Lower Upper
42 100
72 41.8 32.0 48.0
71 11.7 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 43.64 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion: 65 Resp: 142182
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

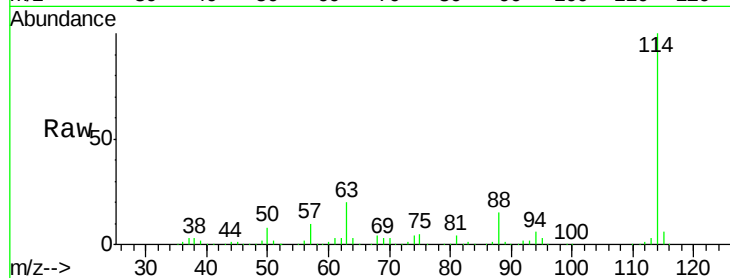
Tot Ion:114 Resp: 300955

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

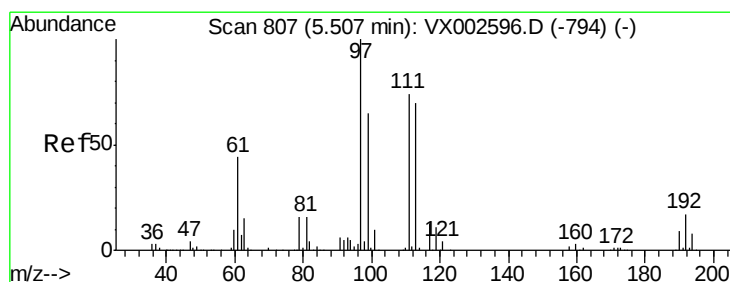
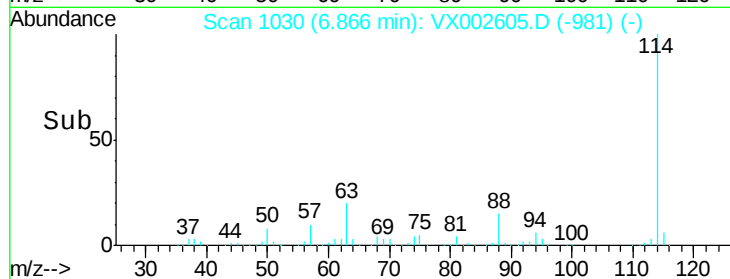
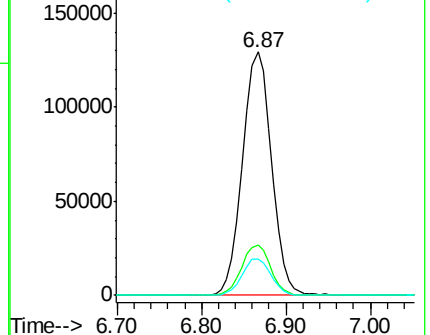
88 14.8 0.0 30.0



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: 44.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

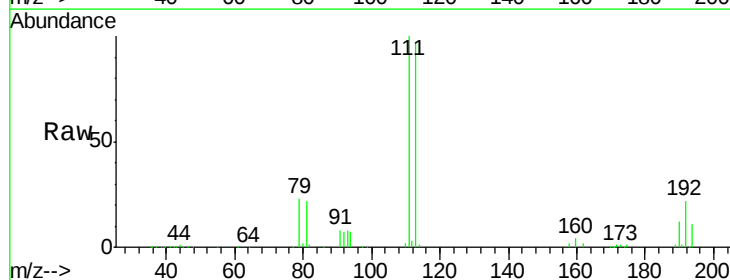
Tgt Ion:113 Resp: 106647

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

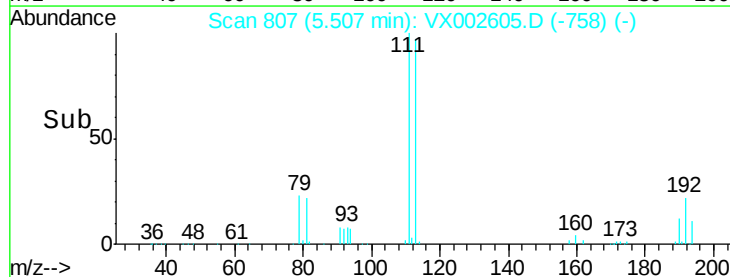
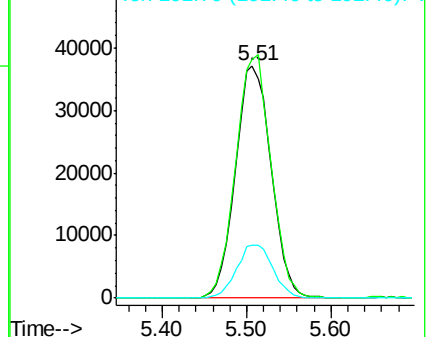
192 23.3 19.1 28.7

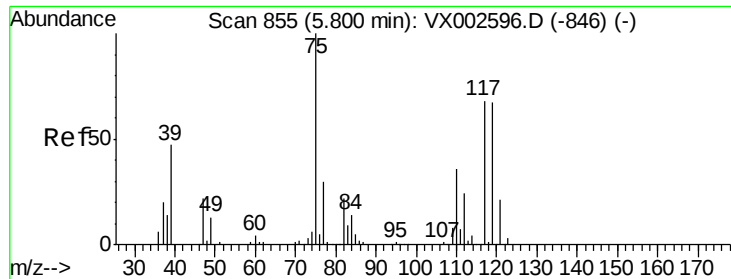


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

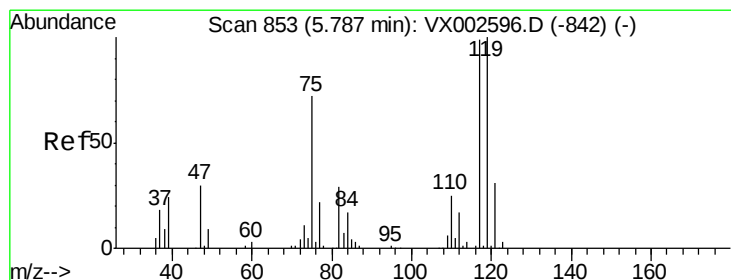
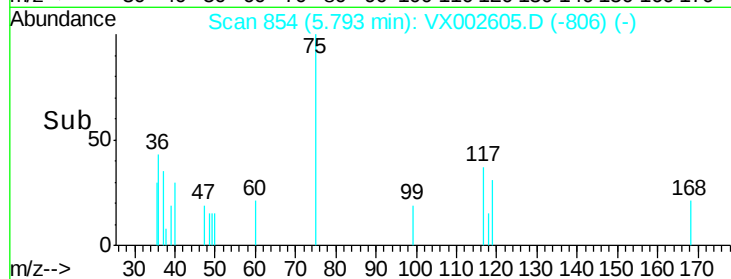
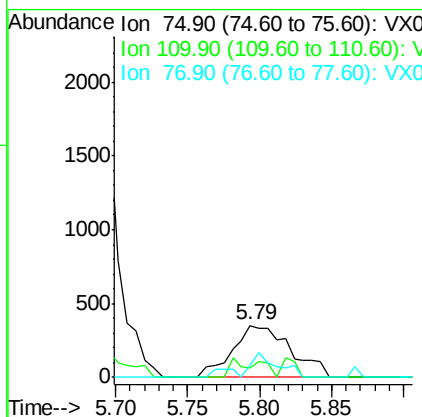
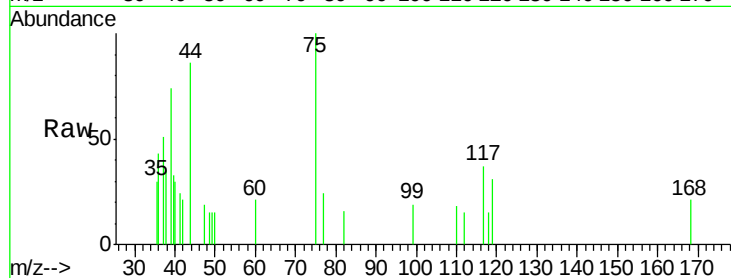




#36
 1,1-Dichloropropene
 Concen: 0.31 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

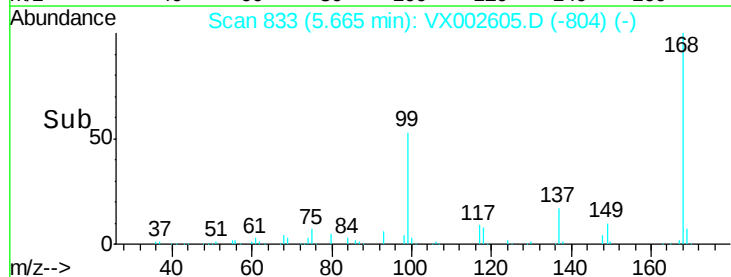
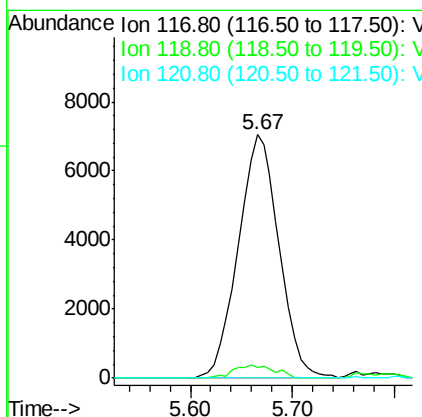
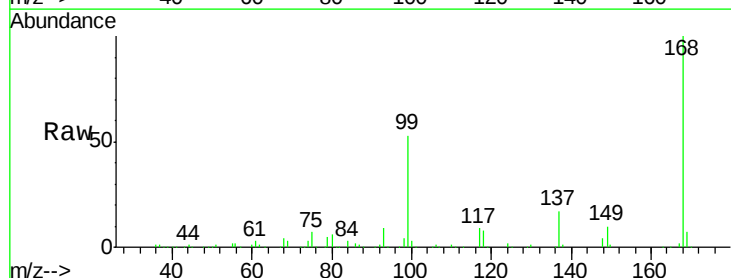
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

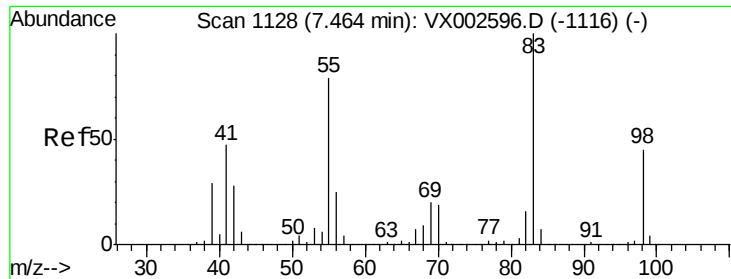
Tot Ion: 75 Resp: 990
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.1 54.4#
 77 20.8 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.13 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

Tgt Ion: 117 Resp: 19510
 Ion Ratio Lower Upper
 117 100
 119 4.4 77.4 116.0#
 121 0.0 24.4 36.6#

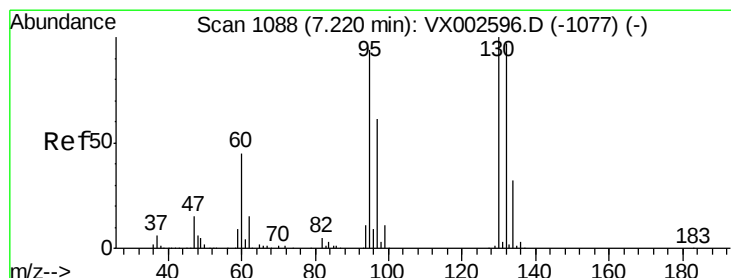
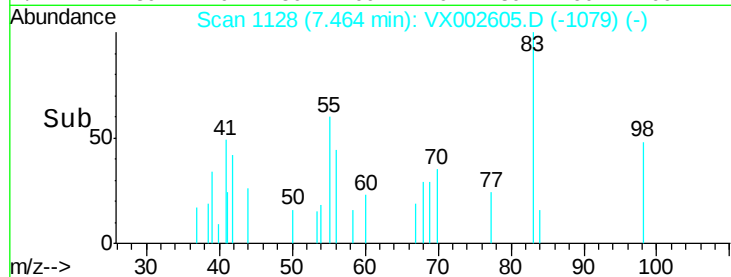
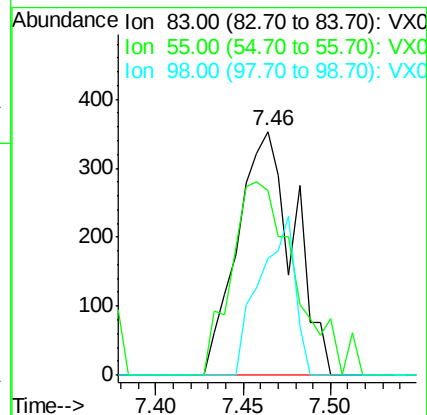
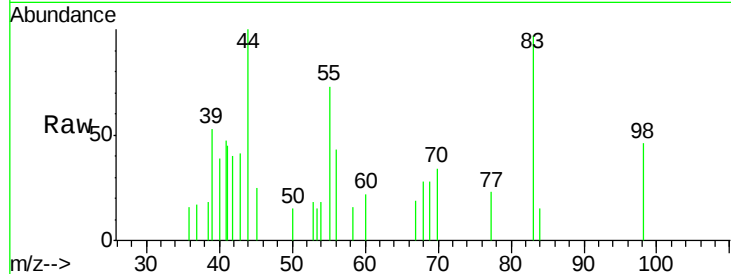




#39
Methvlcvclohexane
Concen: 0.21 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

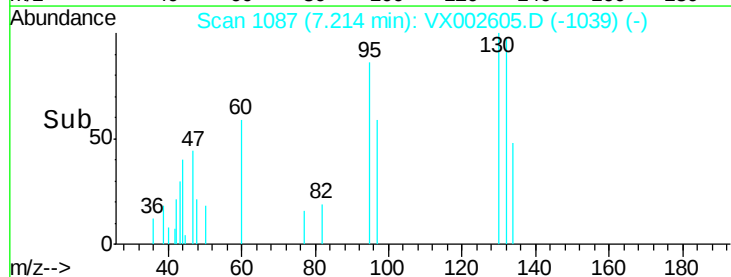
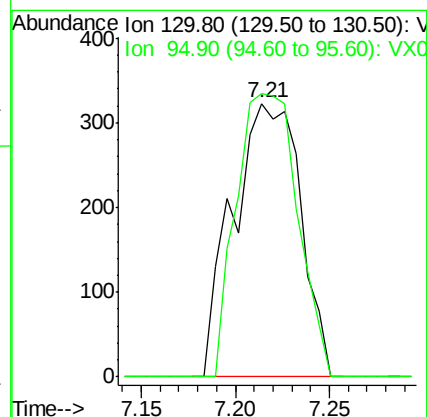
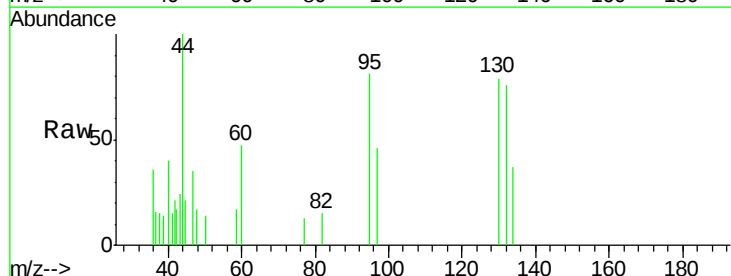
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

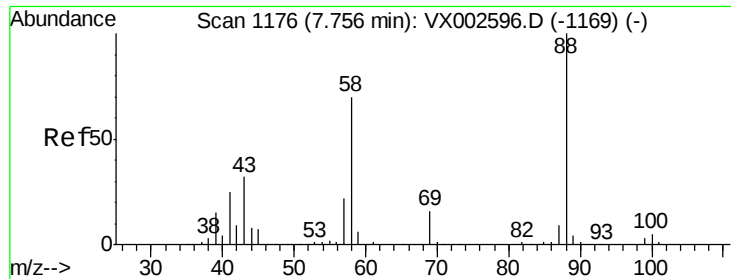
Tot Ion: 83 Resp: 794
Ion Ratio Lower Upper
83 100
55 75.9 65.4 98.0
98 47.9 37.4 56.0



#44
Trichloroethene
Concen: 0.29 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion:130 Resp: 804
Ion Ratio Lower Upper
130 100
95 103.4 0.0 185.4

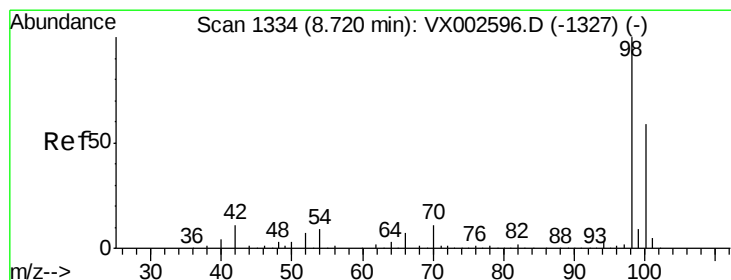
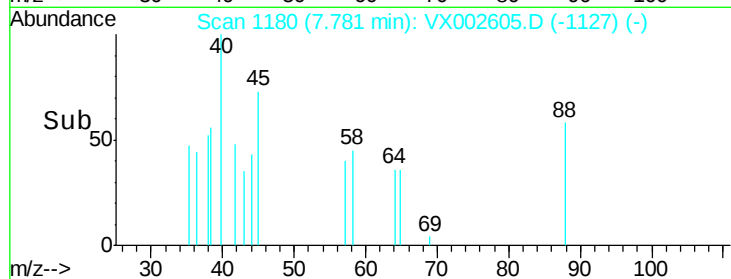
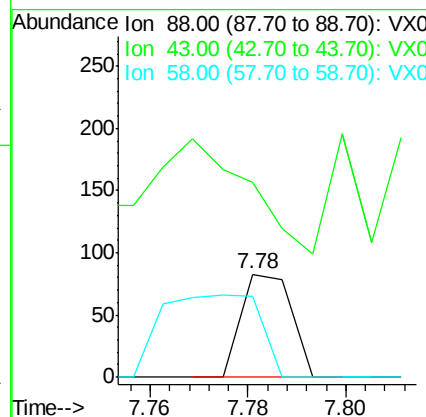
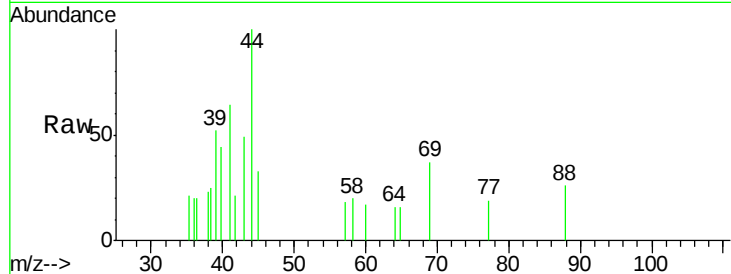




#49
1,4-Dioxane
Concen: 1.02 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.02 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

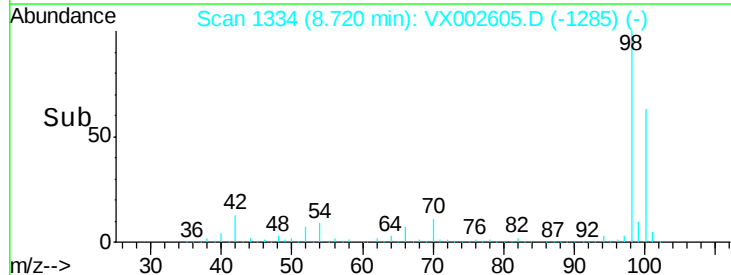
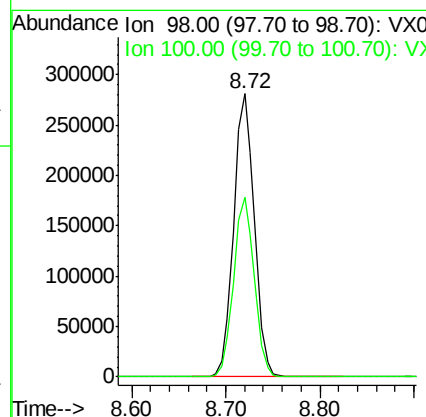
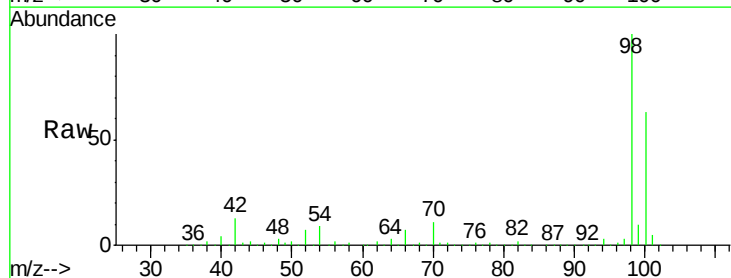
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

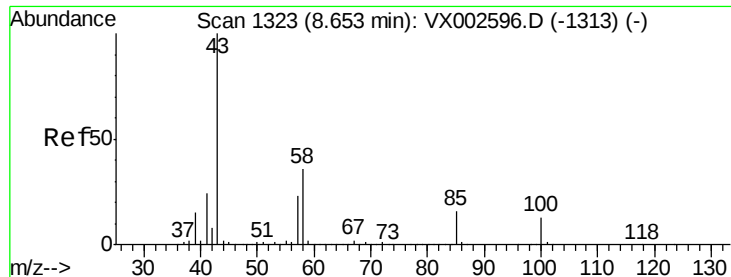
Tot Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 191.5 29.8 44.6#
58 157.6 57.1 85.7#



#50
Toluene-d8
Concen: 46.86 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion: 98 Resp: 427351
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.33 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

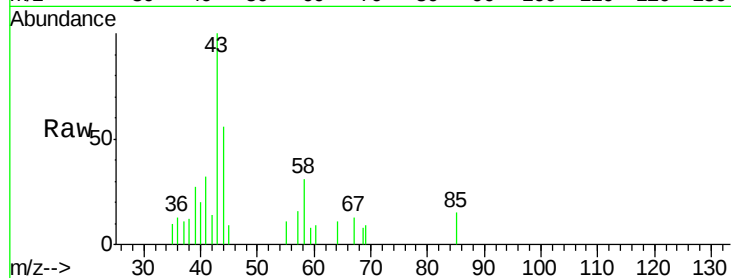
STORAGEBLANK-SOILREF-6

Tot Ion: 43 Resp: 1267

Ion Ratio Lower Upper

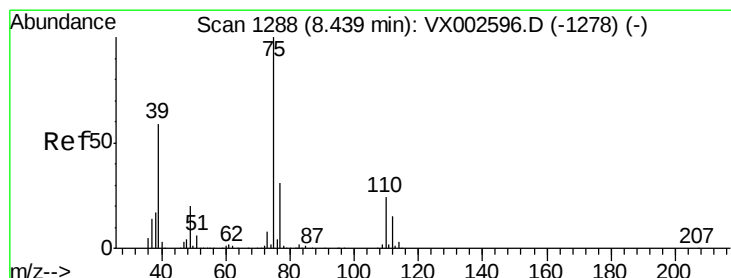
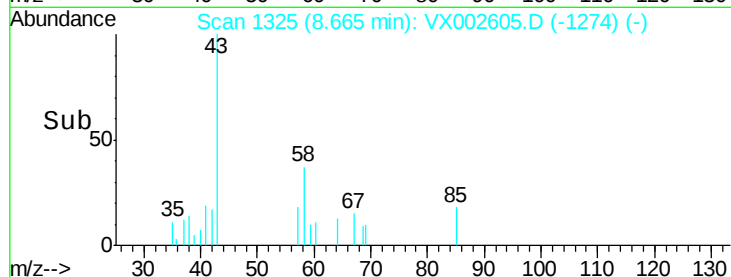
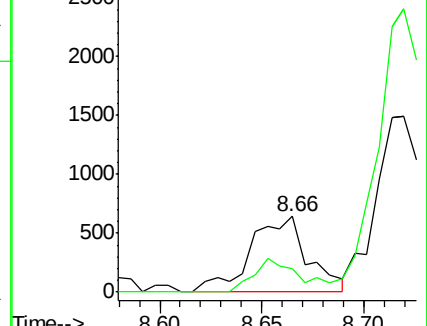
43 100

58 35.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.50 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX002605.D

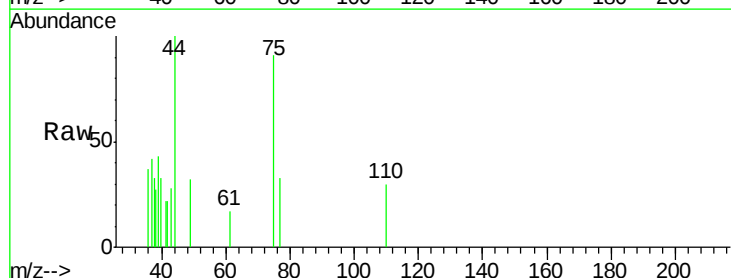
Acq: 15 Jun 2018 19:16

Tgt Ion: 75 Resp: 434

Ion Ratio Lower Upper

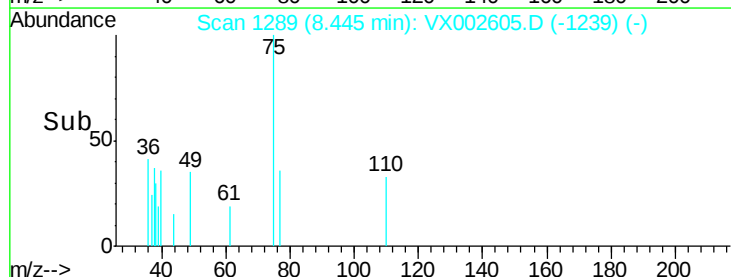
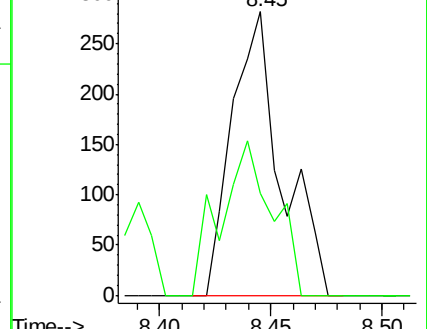
75 100

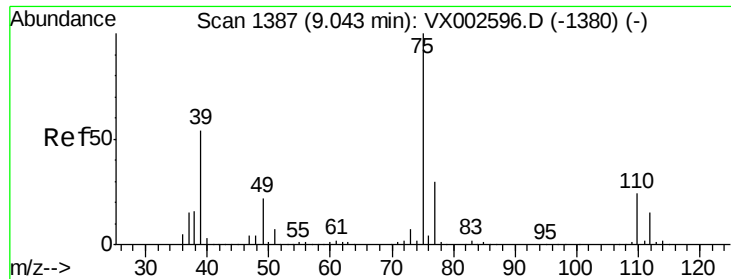
77 36.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

cis-1,3-Dichloropropene

Concen: 3.33 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

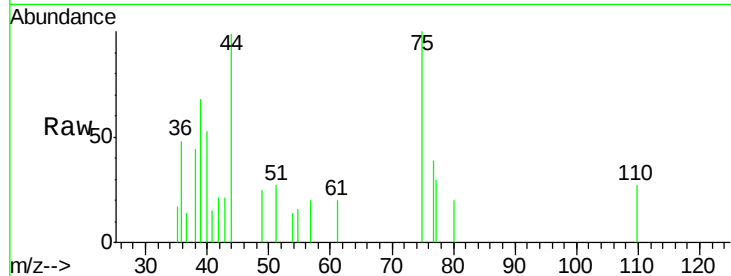
Tot Ion: 75 Resp: 465

Ion Ratio Lower Upper

75 100

77 68.6 24.8 37.2#

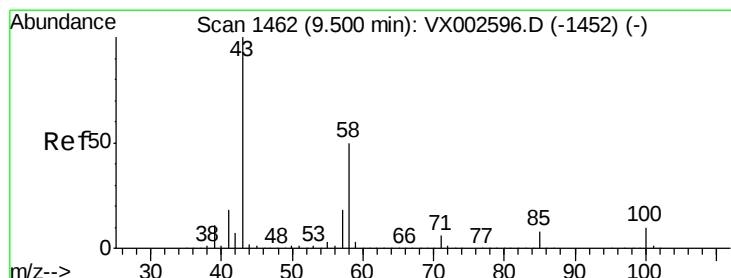
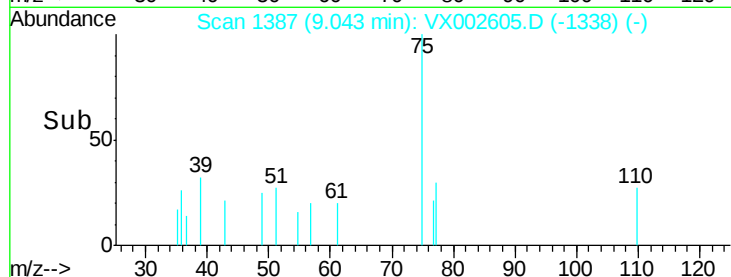
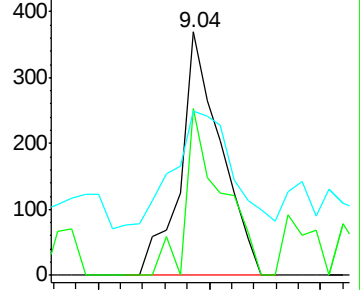
39 47.2 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.36 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.01 min

Lab File: VX002605.D

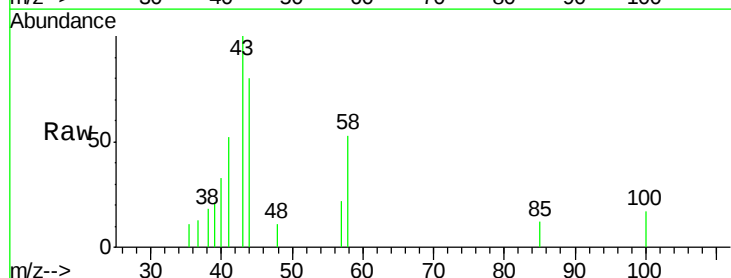
Acq: 15 Jun 2018 19:16

Tgt Ion: 43 Resp: 1044

Ion Ratio Lower Upper

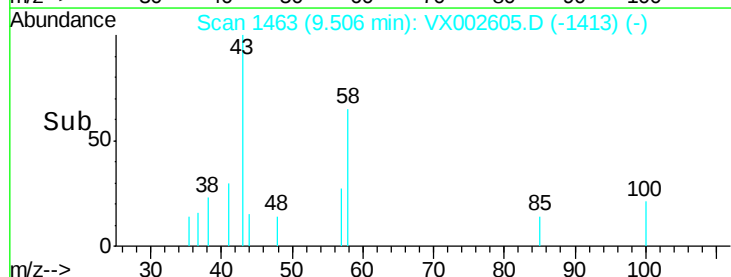
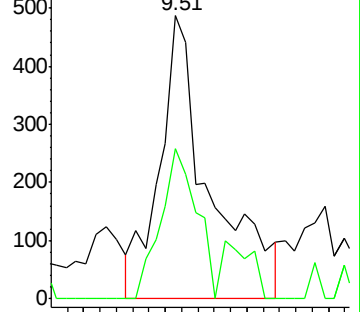
43 100

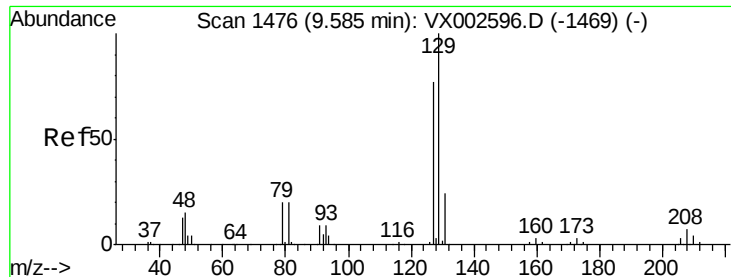
58 38.1 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 3.83 ug/l

RT: 9.60 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

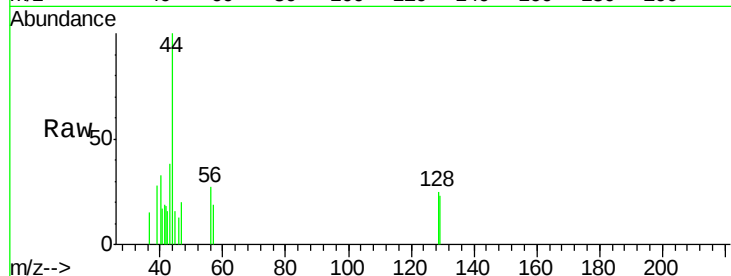
STORAGEBLANK-SOILREF-6

Tot Ion:129 Resp: 214

Ion Ratio Lower Upper

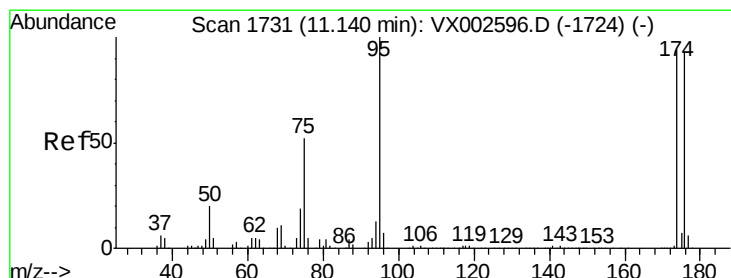
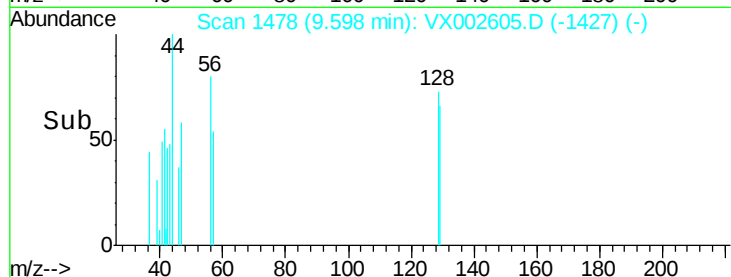
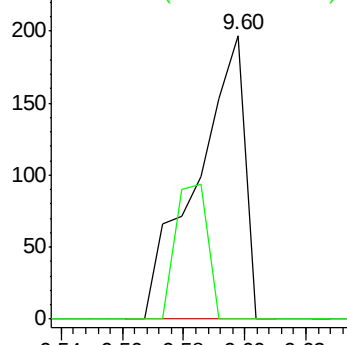
129 100

127 31.3 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

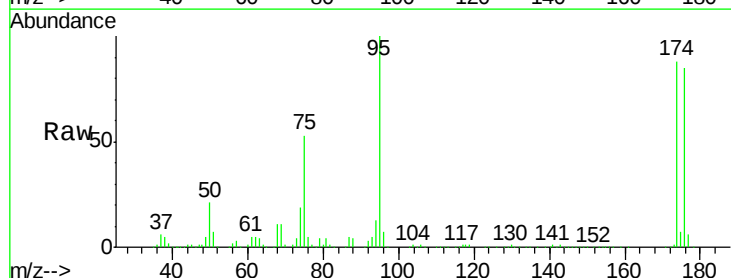
Tgt Ion: 95 Resp: 150580

Ion Ratio Lower Upper

95 100

174 94.4 0.0 187.4

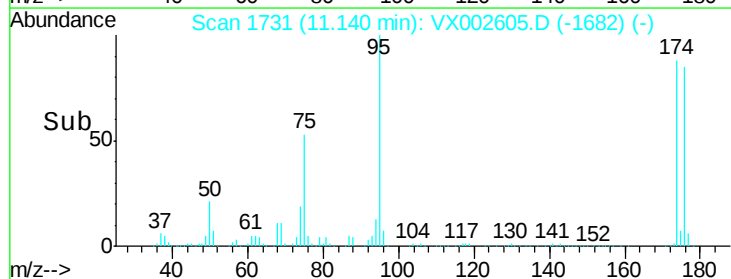
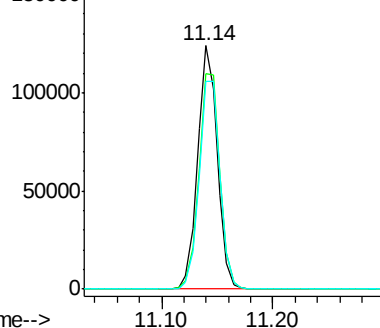
176 91.2 0.0 181.0

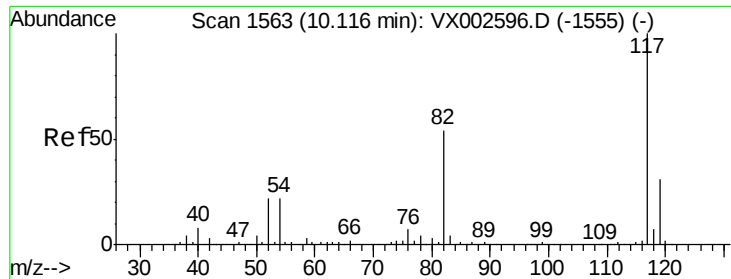


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

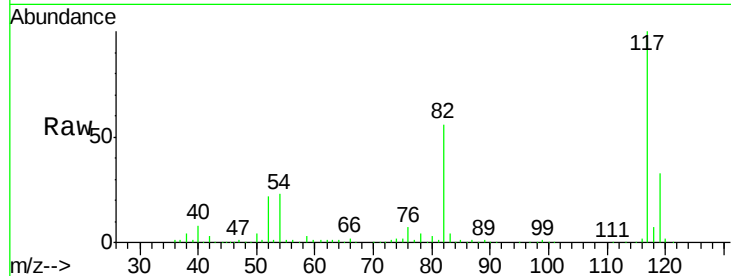




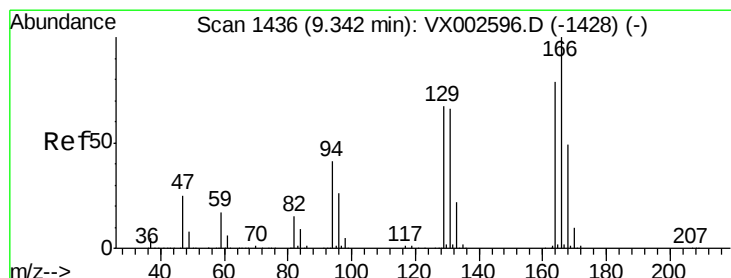
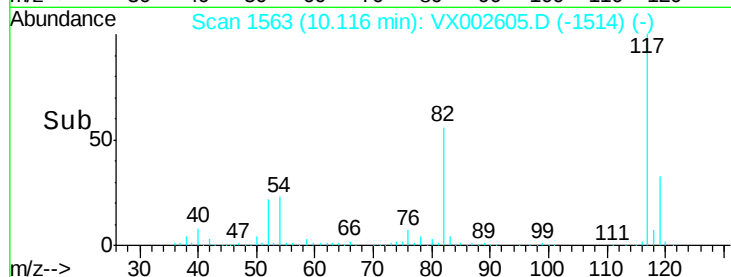
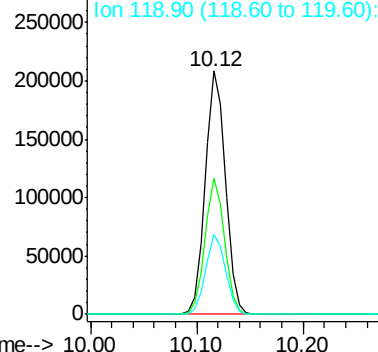
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

Tot Ion:117 Resp: 278237
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 32.7 25.8 38.6

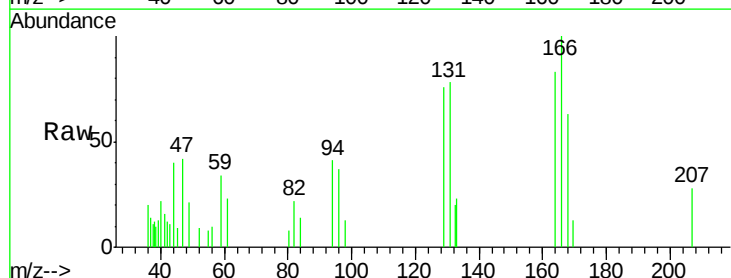


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

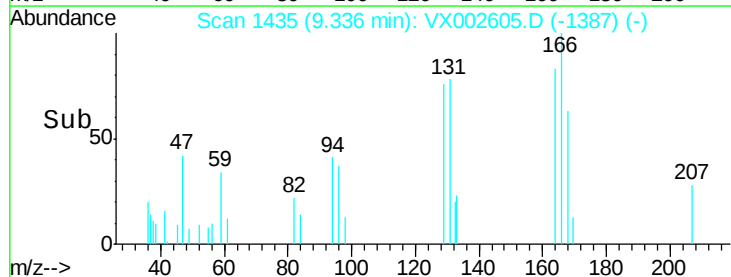
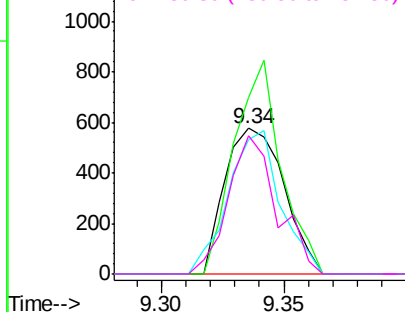


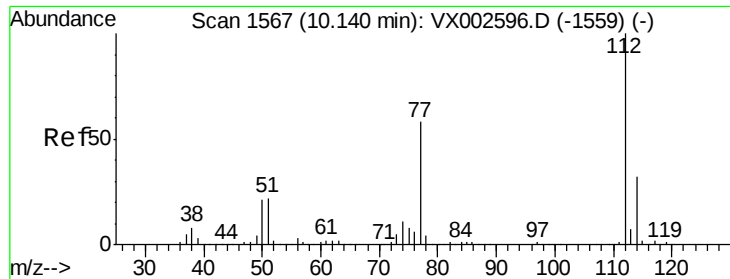
#64
Tetrachloroethene
Concen: 0.31 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion:164 Resp: 971
Ion Ratio Lower Upper
164 100
166 120.8 102.9 154.3
129 92.0 68.6 102.8
131 94.8 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

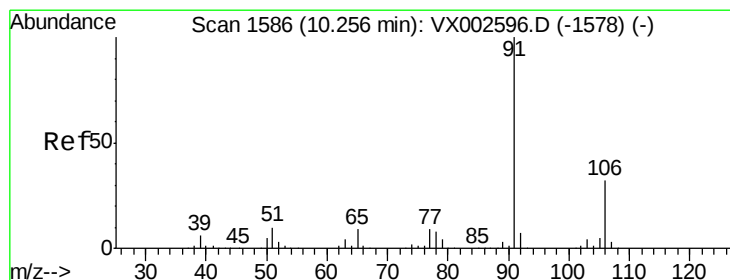
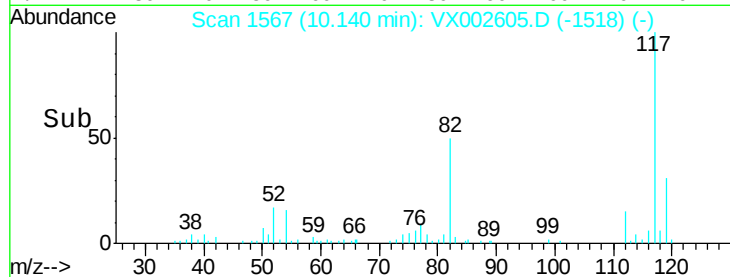
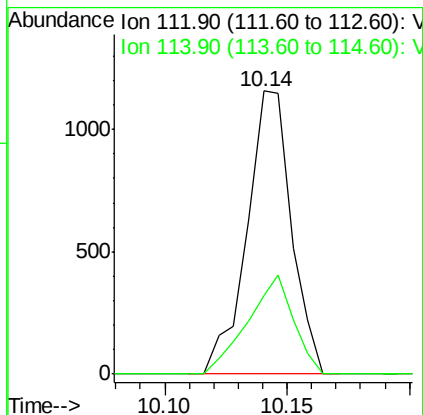
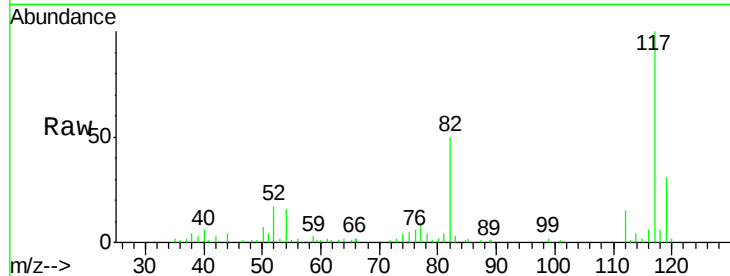




#65
Chlorobenzene
Concen: 0.22 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

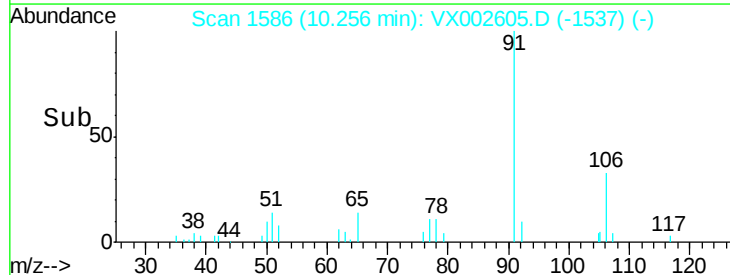
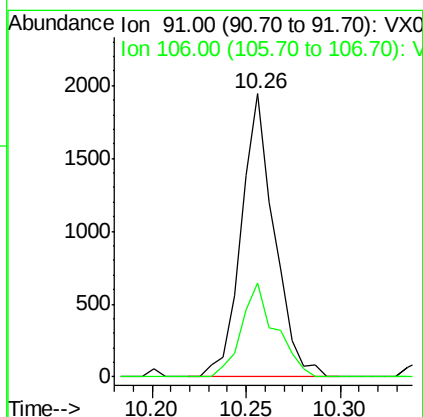
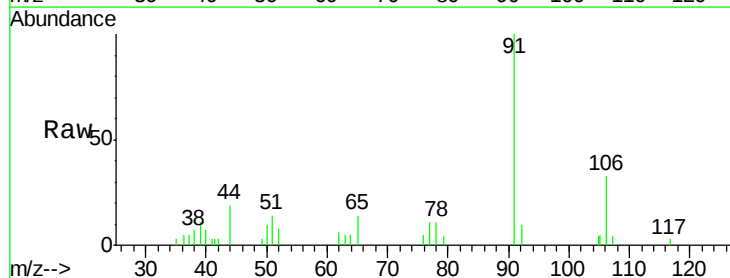
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

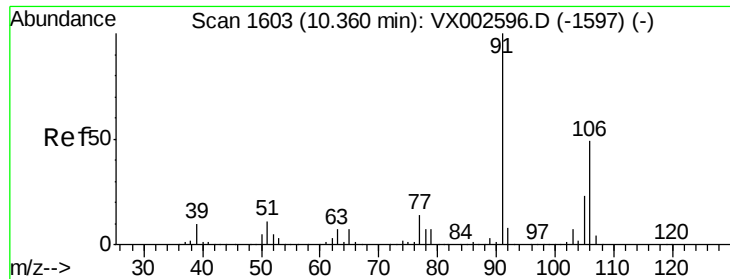
Tot Ion:112 Resp: 1472
Ion Ratio Lower Upper
112 100
114 27.6 25.3 37.9



#67
Ethyl Benzene
Concen: 0.20 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion: 91 Resp: 2358
Ion Ratio Lower Upper
91 100
106 33.4 25.5 38.3

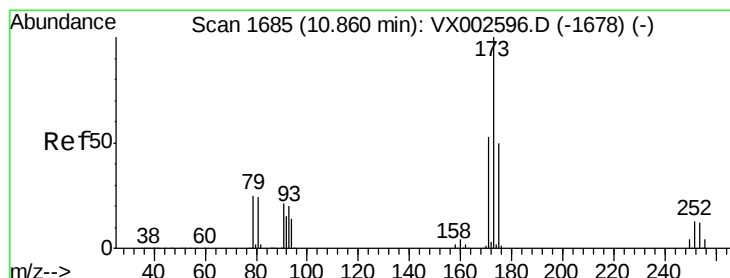
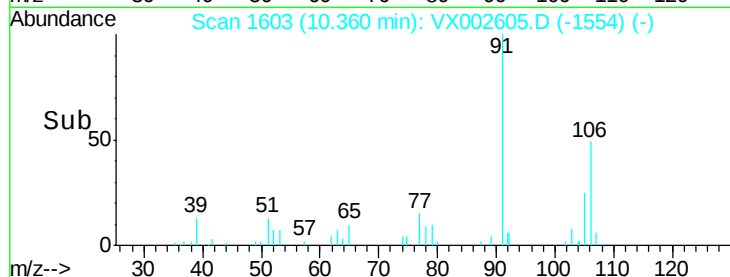
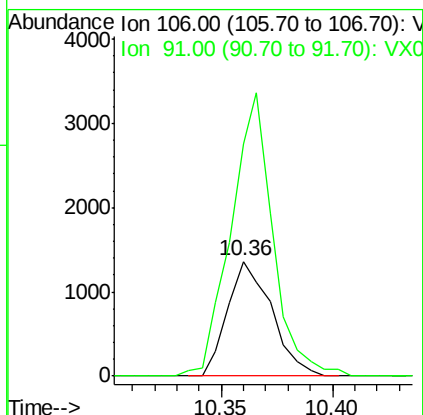
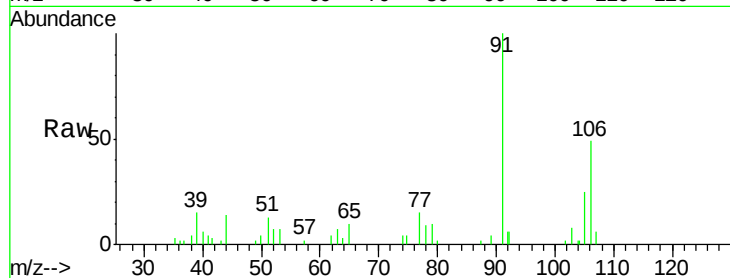




#68
m/p-Xvlenes
Concen: 0.42 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

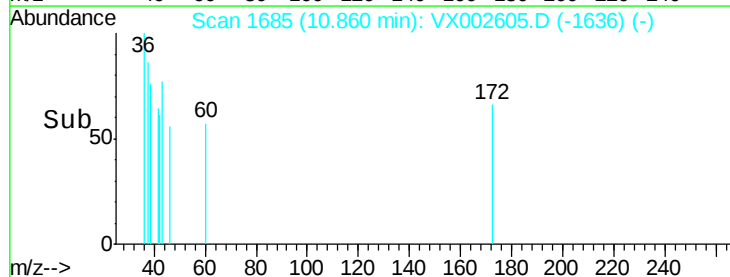
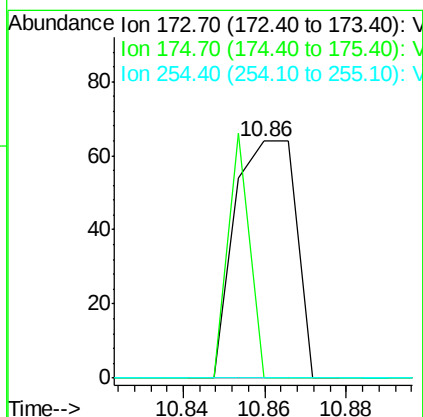
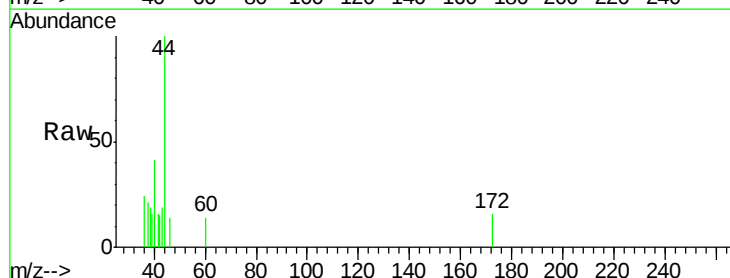
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

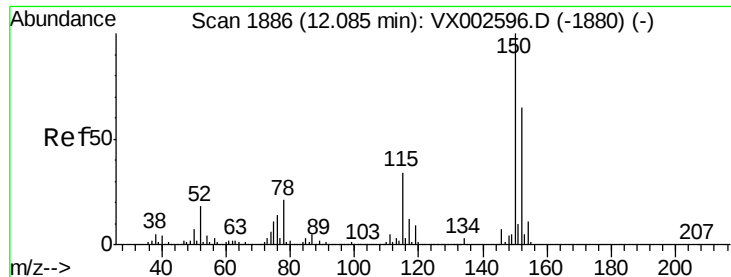
Tot Ion:106 Resp: 1877
Ion Ratio Lower Upper
106 100
91 234.7 163.4 245.2



#71
Bromoform
Concen: 4.87 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion:173 Resp: 67
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

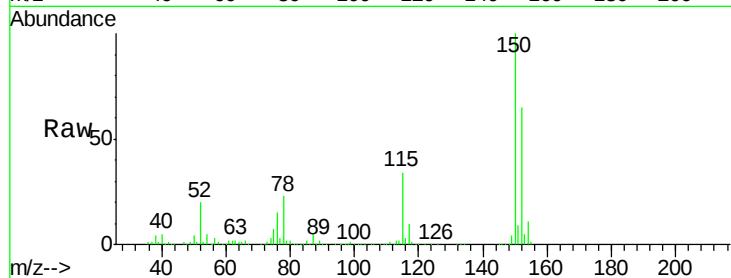
Tot Ion:152 Resp: 158893

Ion Ratio Lower Upper

152 100

115 55.1 40.1 120.2

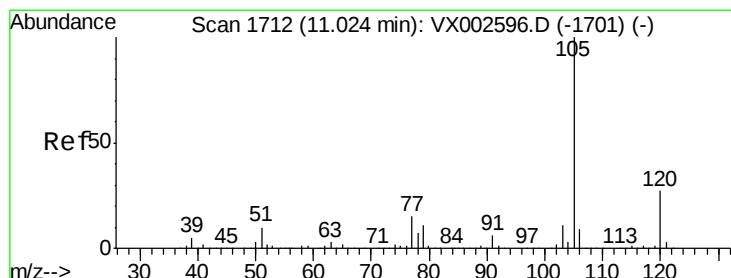
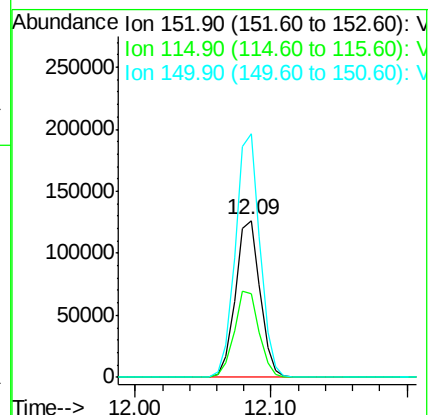
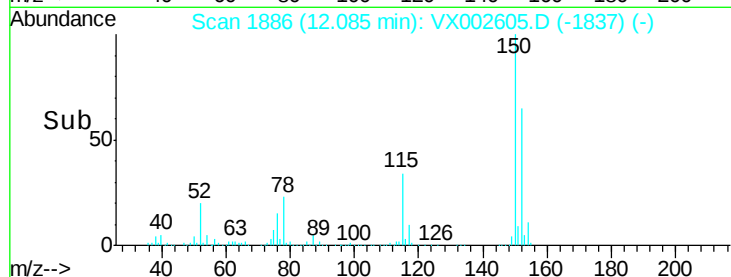
150 155.1 0.0 347.2



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



#73

Isopropylbenzene

Concen: 0.22 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002605.D

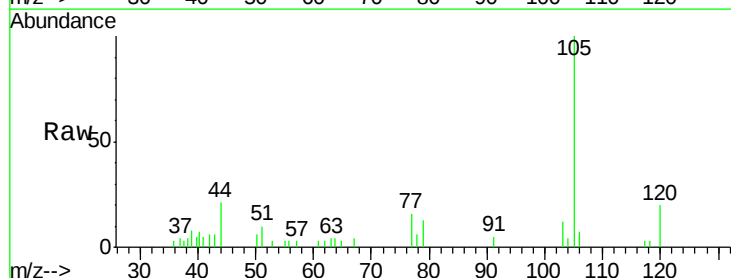
Acq: 15 Jun 2018 19:16

Tgt Ion:105 Resp: 2313

Ion Ratio Lower Upper

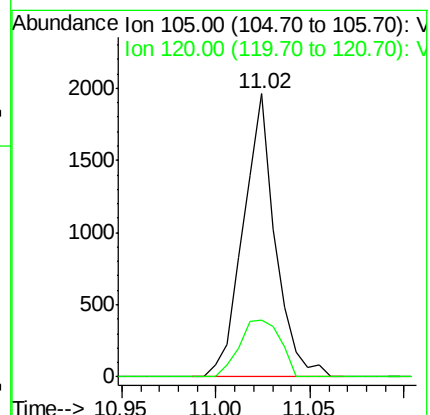
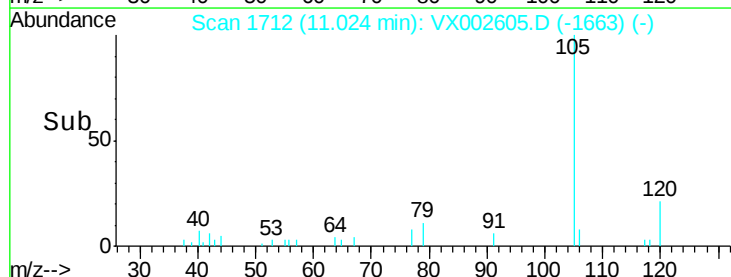
105 100

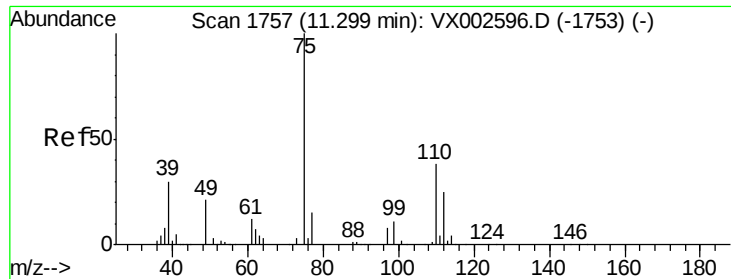
120 25.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

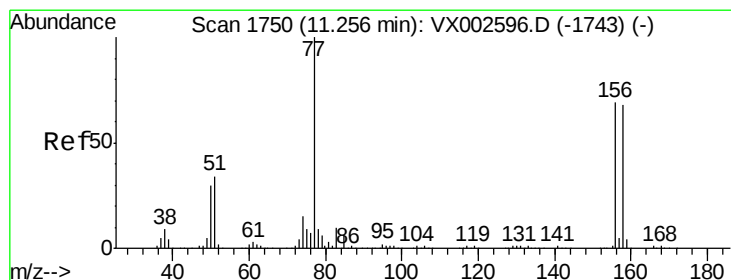
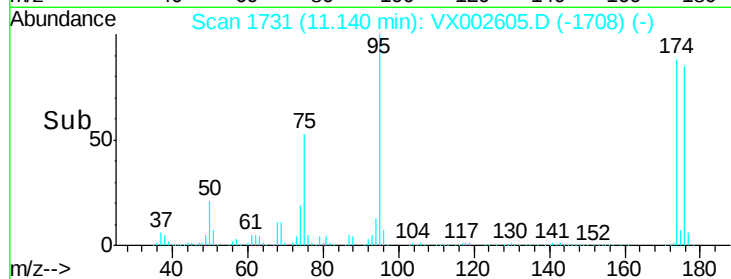
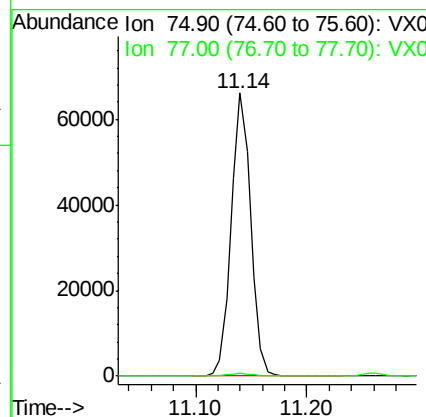
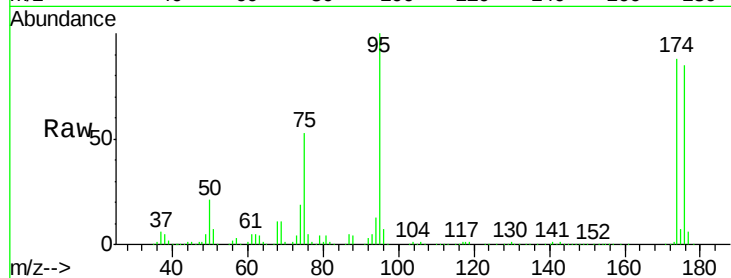




#76
 1,2,3-Trichloropropane
 Concen: 26.82 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

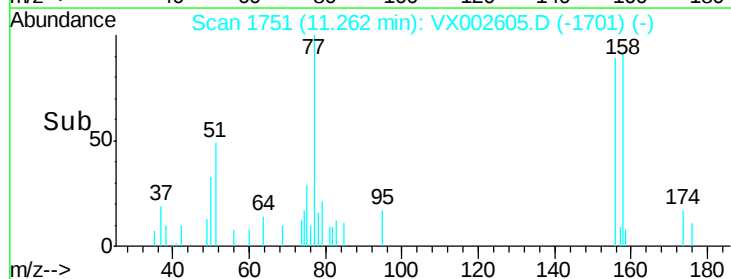
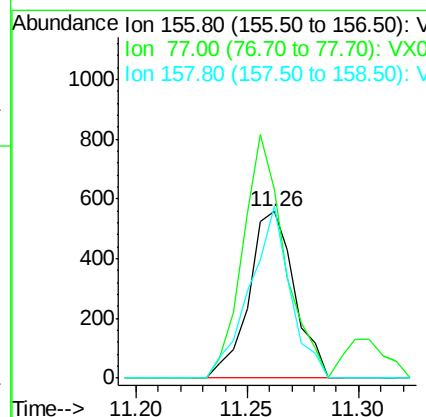
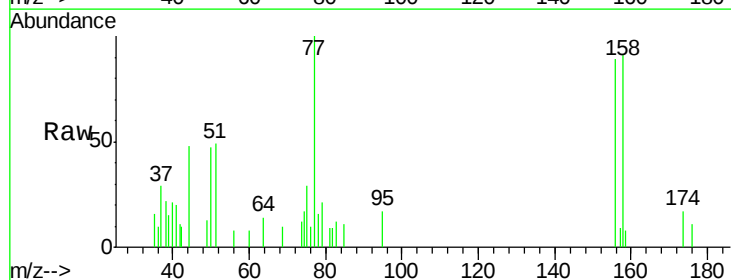
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

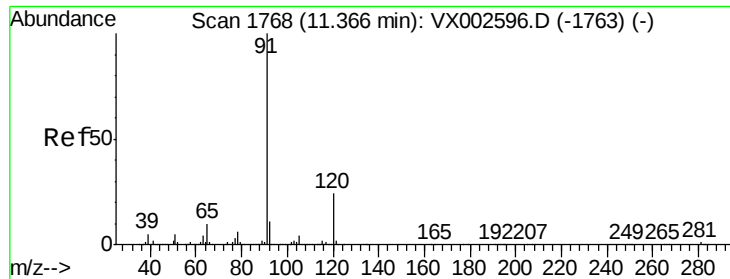
Tot Ion: 75 Resp: 80415
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#77
 Bromobenzene
 Concen: 0.27 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

Tgt Ion: 156 Resp: 800
 Ion Ratio Lower Upper
 156 100
 77 133.3 71.4 214.2
 158 91.6 48.9 146.6





#78

n-propylbenzene

Concen: 0.32 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

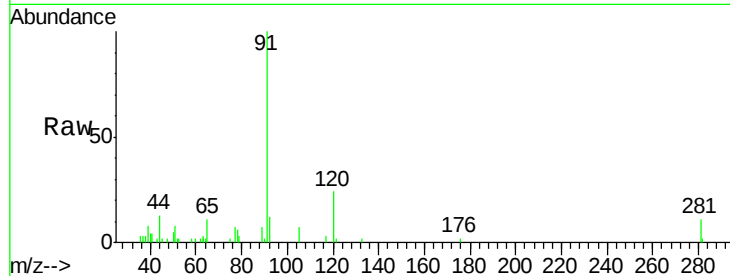
STORAGEBLANK-SOILREF-6

Tot Ion: 91 Resp: 3934

Ion Ratio Lower Upper

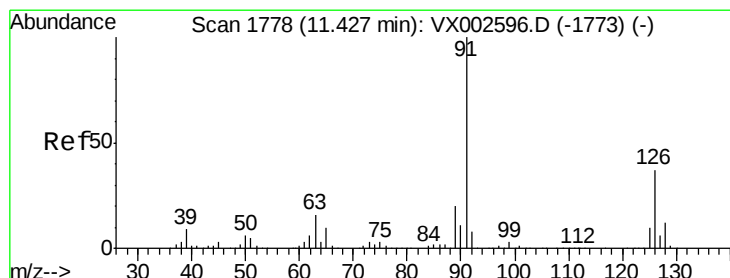
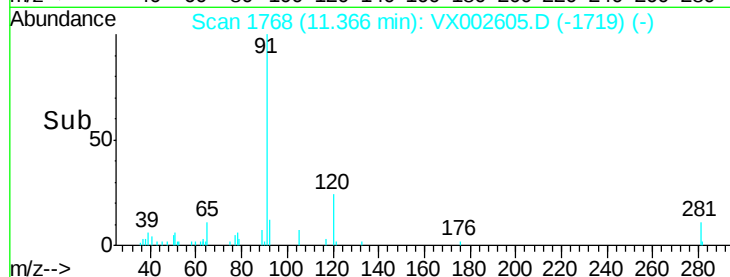
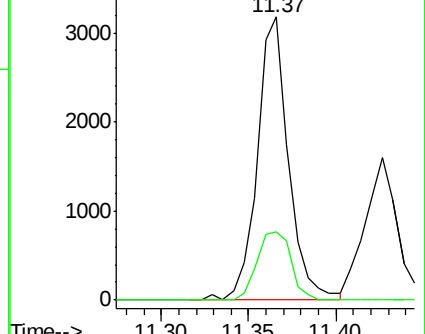
91 100

120 26.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.28 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002605.D

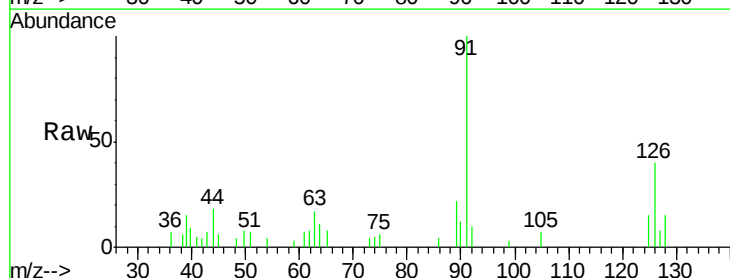
Acq: 15 Jun 2018 19:16

Tgt Ion: 91 Resp: 2061

Ion Ratio Lower Upper

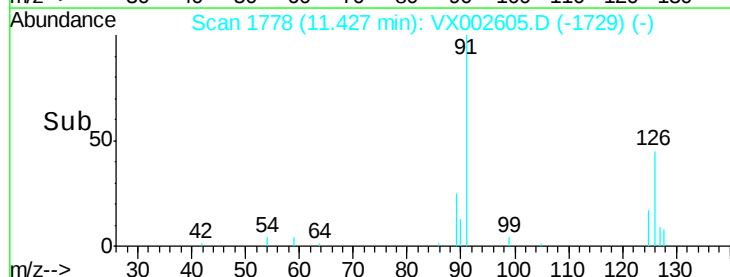
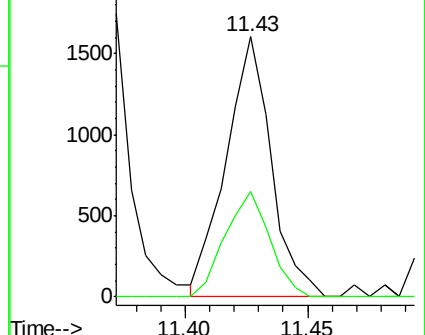
91 100

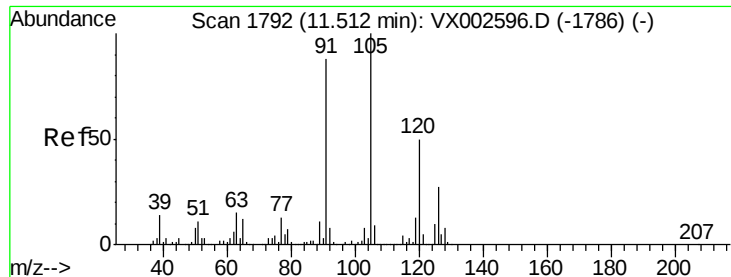
126 39.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

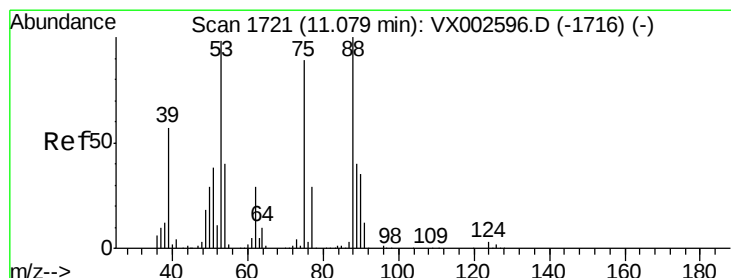
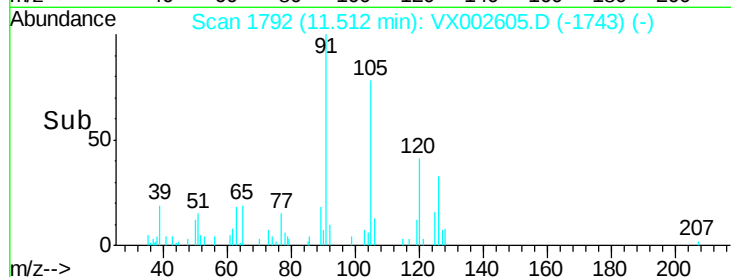
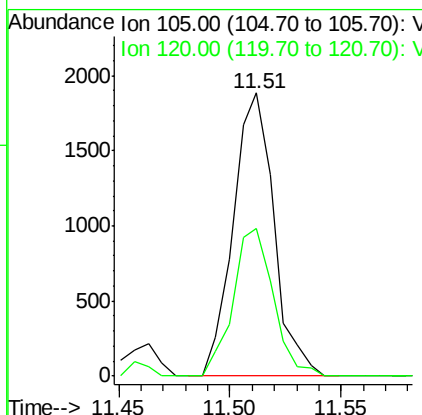
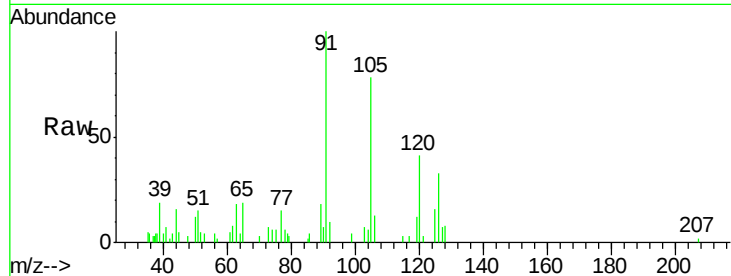




#80
 1,3,5-Trimethylbenzene
 Concen: 0.27 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

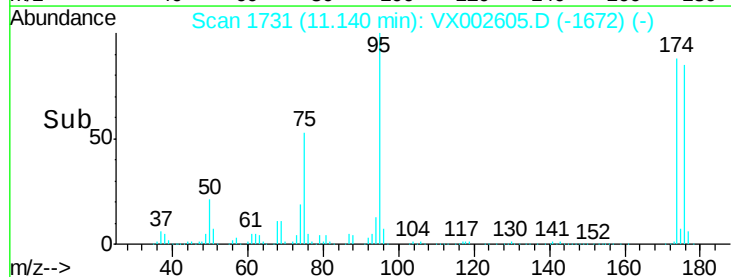
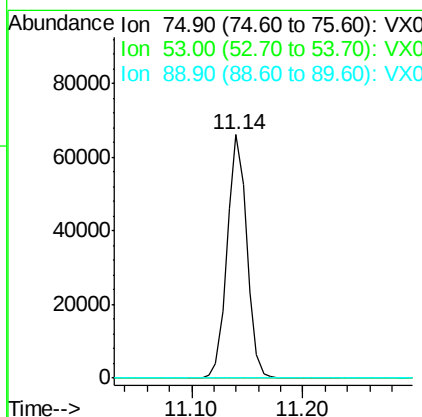
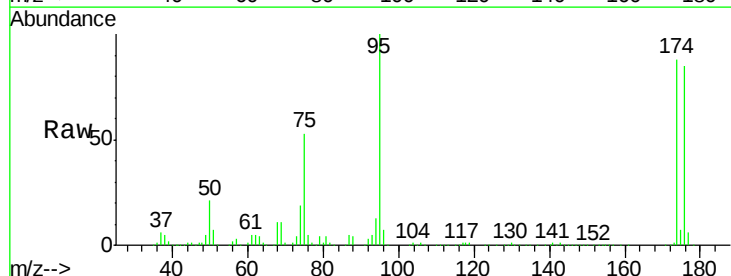
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

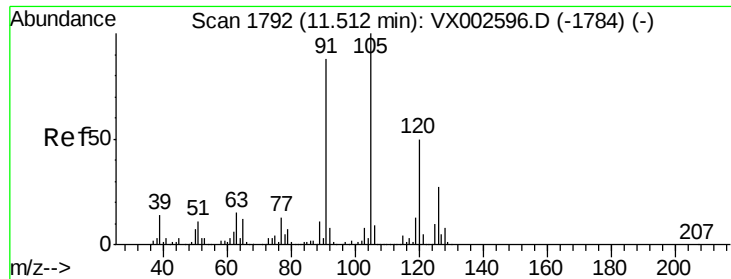
Tot Ion:105 Resp: 2402
 Ion Ratio Lower Upper
 105 100
 120 51.9 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.82 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

Tgt Ion: 75 Resp: 80415
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#





#82

4-Chlorotoluene

Concen: 0.40 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

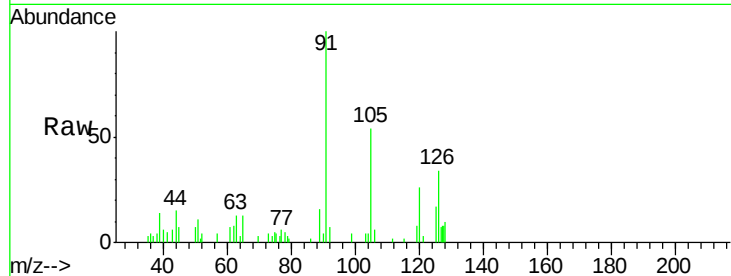
STORAGEBLANK-SOILREF-6

Tot Ion: 91 Resp: 3444

Ion Ratio Lower Upper

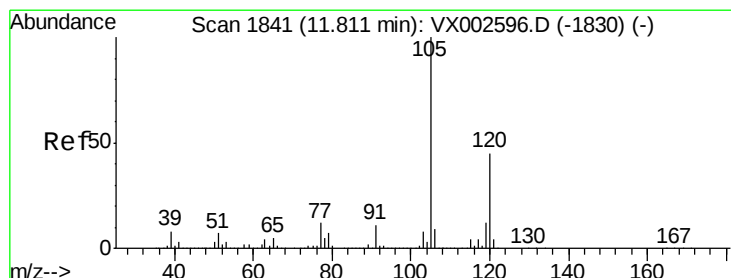
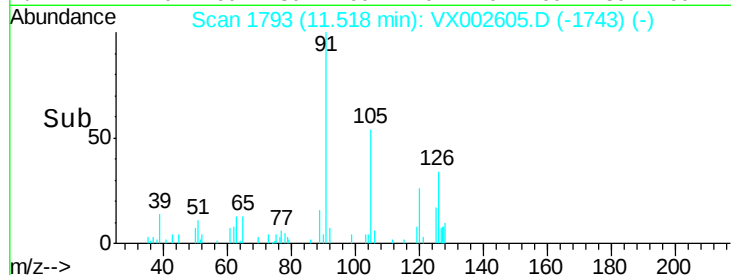
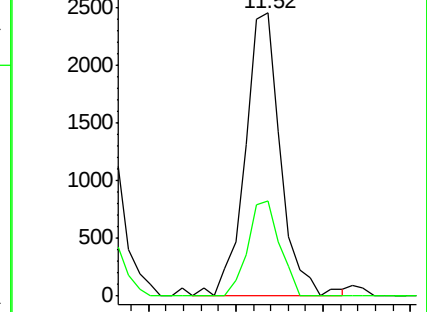
91 100

126 30.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX002605.D (-1743) (-)

Ion 125.90 (125.60 to 126.60): VX002605.D (-1743) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.35 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002605.D

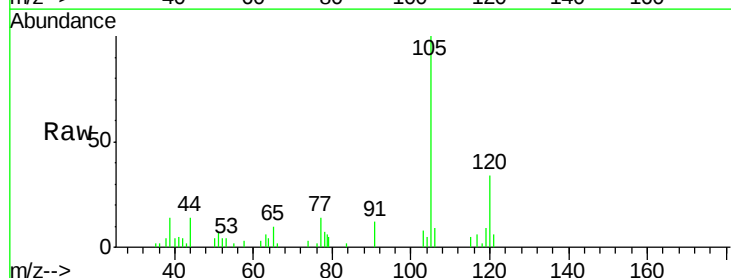
Acq: 15 Jun 2018 19:16

Tgt Ion: 105 Resp: 3167

Ion Ratio Lower Upper

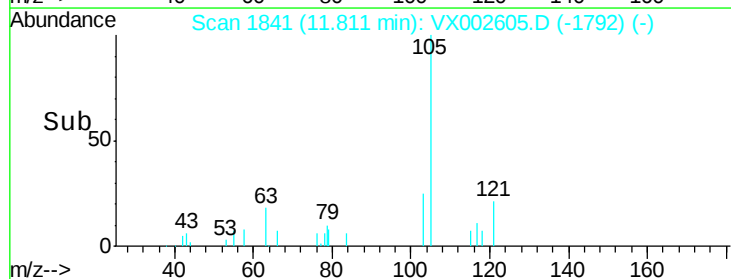
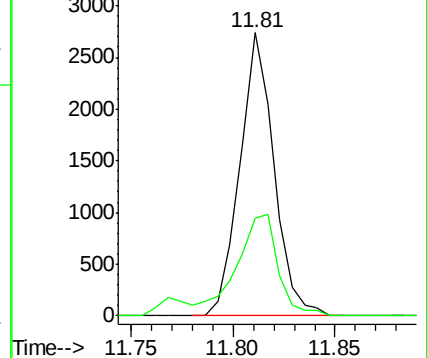
105 100

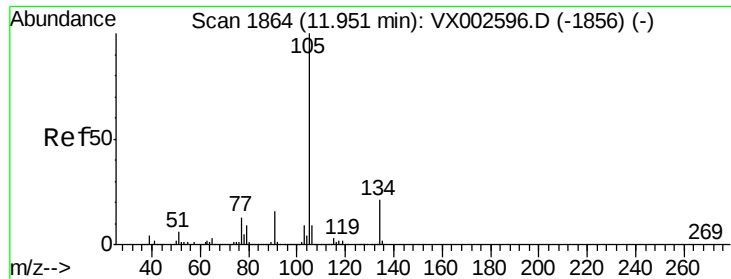
120 44.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): VX002605.D (-1792) (-)

Ion 120.00 (119.70 to 120.70): VX002605.D (-1792) (-)





#85

sec-Butylbenzene

Concen: 0.25 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

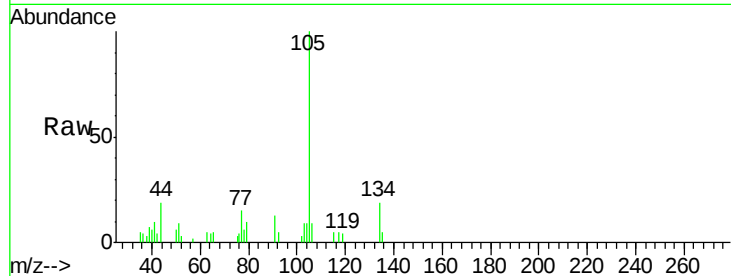
STORAGEBLANK-SOILREF-6

Tot Ion:105 Resp: 2724

Ion Ratio Lower Upper

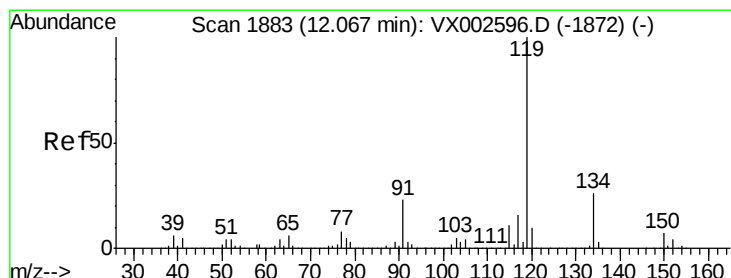
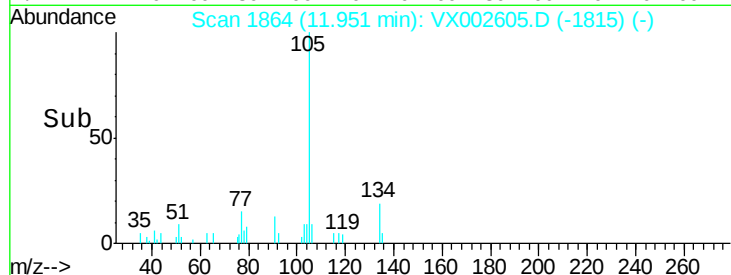
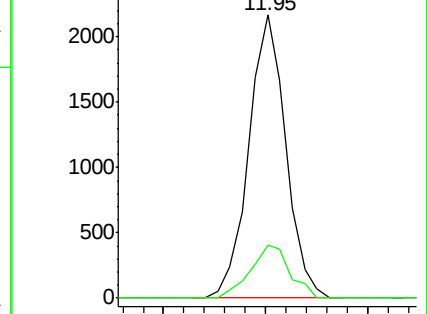
105 100

134 20.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.30 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

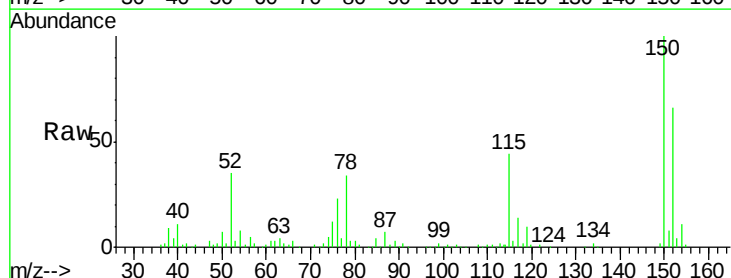
Tgt Ion:119 Resp: 2923

Ion Ratio Lower Upper

119 100

134 35.7 13.4 40.1

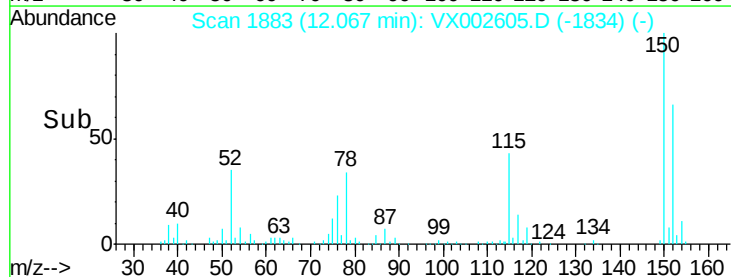
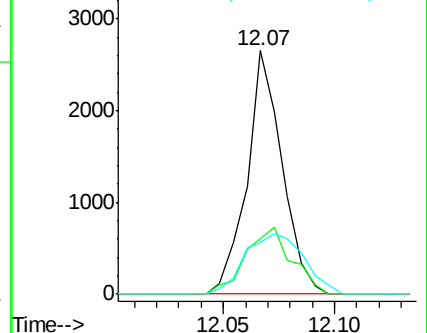
91 41.7 11.9 35.7#

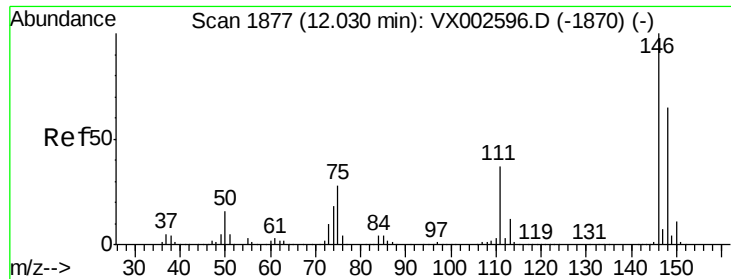


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 0.53 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

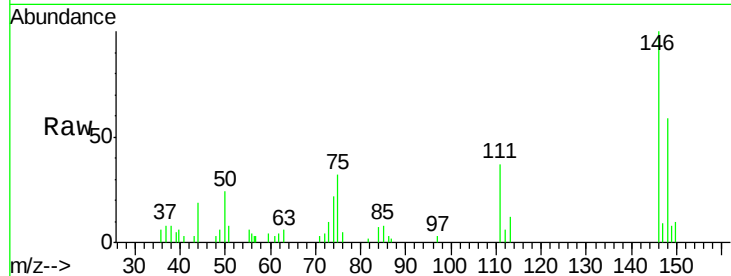
Tot Ion:146 Resp: 2890

Ion Ratio Lower Upper

146 100

111 35.7 18.9 56.7

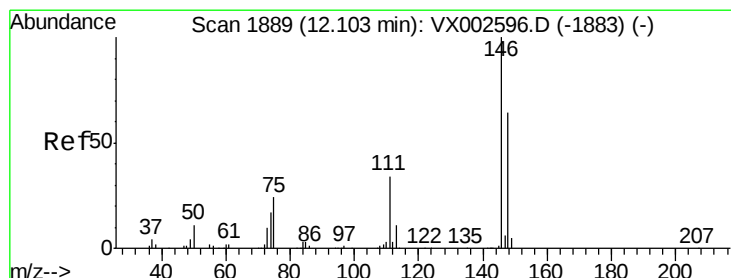
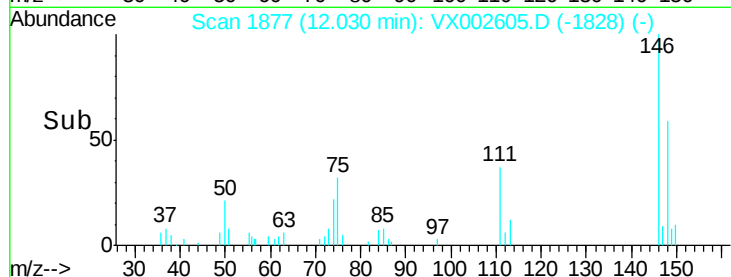
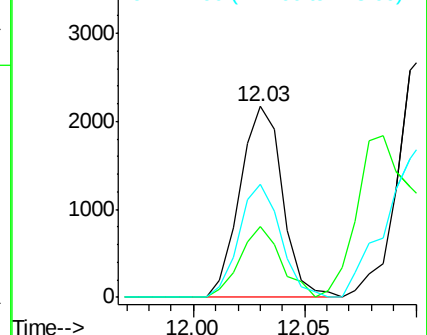
148 58.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.53 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX002605.D

Acq: 15 Jun 2018 19:16

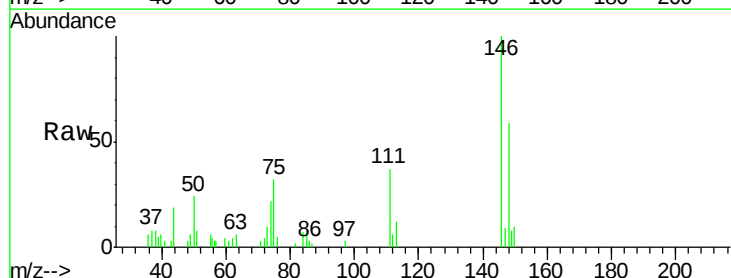
Tgt Ion:146 Resp: 2890

Ion Ratio Lower Upper

146 100

111 35.7 18.7 56.1

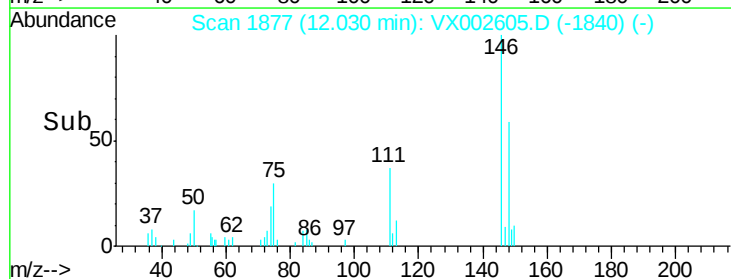
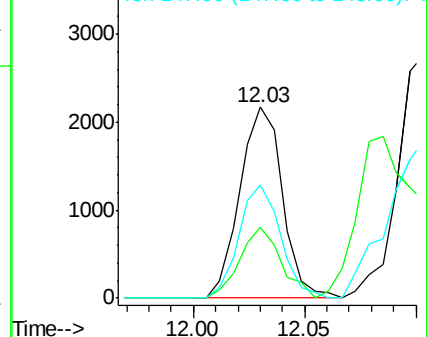
148 58.1 32.4 97.0

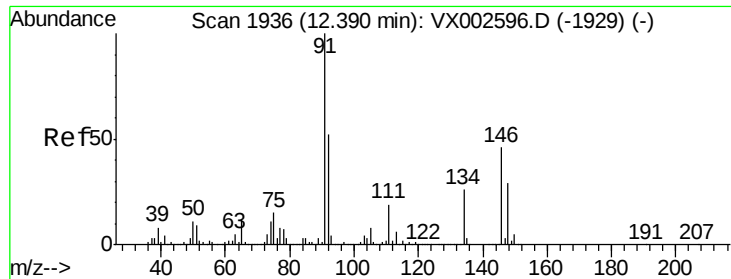


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

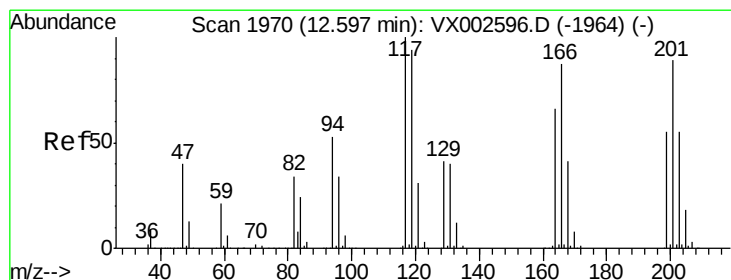
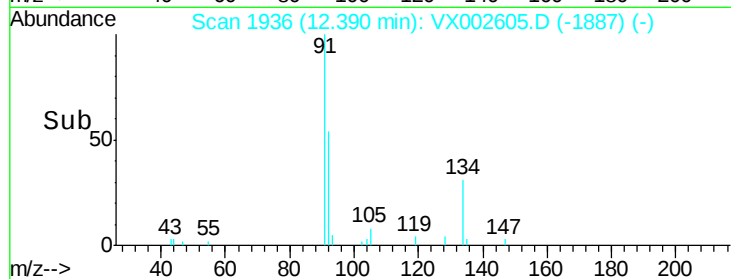
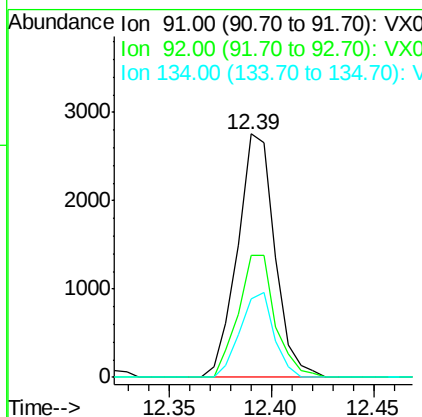
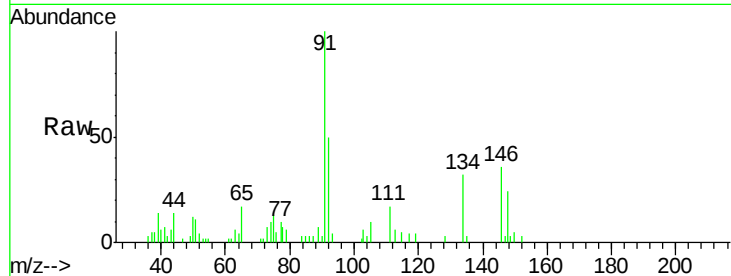




#89
n-Butylbenzene
Concen: 0.41 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

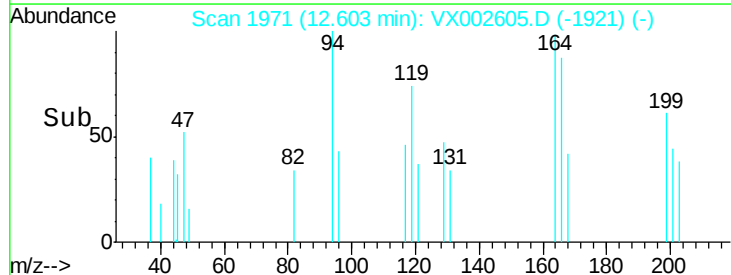
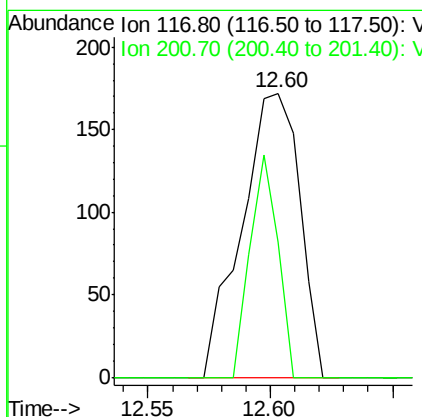
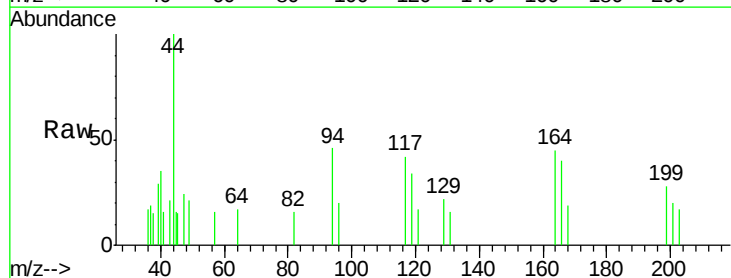
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

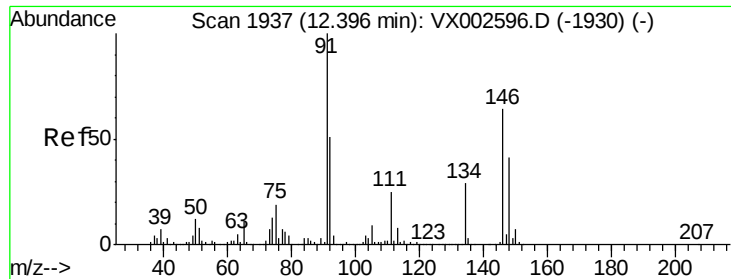
Tot Ion: 91 Resp: 3494
Ion Ratio Lower Upper
91 100
92 49.6 26.0 78.0
134 31.3 13.5 40.5



#90
Hexachloroethane
Concen: 2.80 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion: 117 Resp: 283
Ion Ratio Lower Upper
117 100
201 37.5 49.0 147.0#

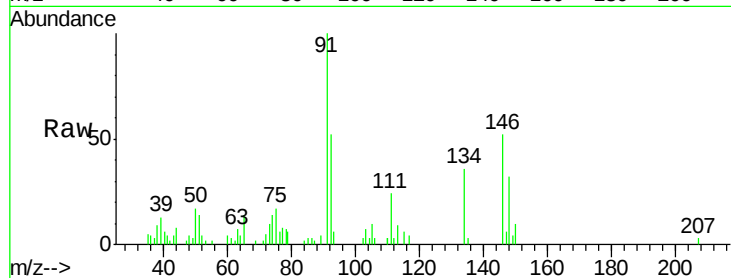




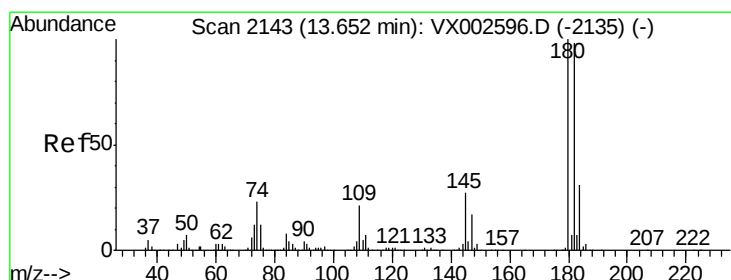
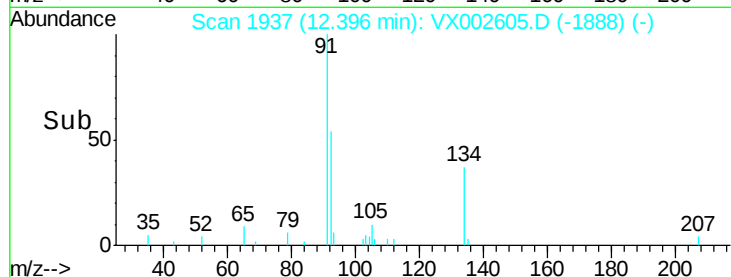
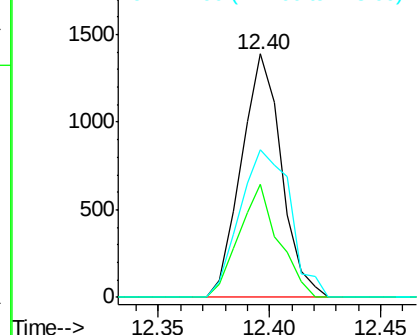
#91
 1,2-Dichlorobenzene
 Concen: 0.32 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

Tot Ion:146 Resp: 1743
 Ion Ratio Lower Upper
 146 100
 111 45.7 19.4 58.1
 148 76.4 31.7 95.1

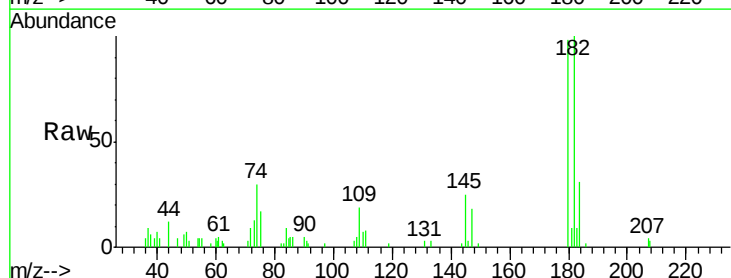


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

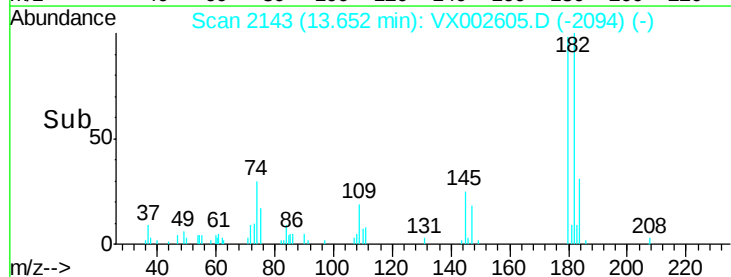
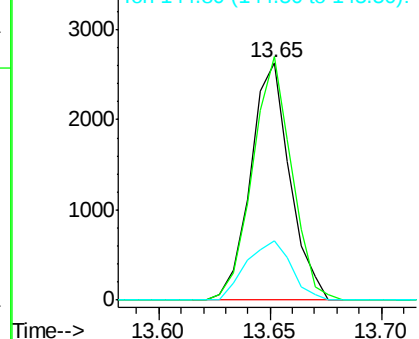


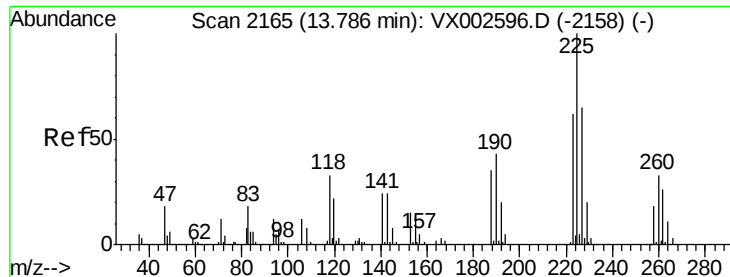
#93
 1,2,4-Trichlorobenzene
 Concen: 0.82 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

Tgt Ion:180 Resp: 3240
 Ion Ratio Lower Upper
 180 100
 182 101.7 47.7 143.1
 145 28.5 14.1 42.4



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

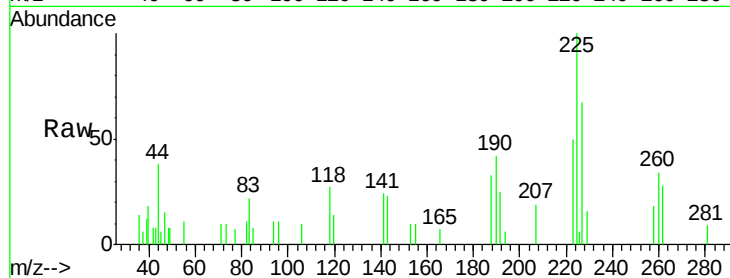




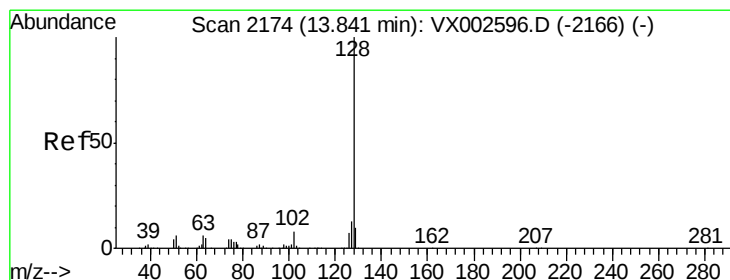
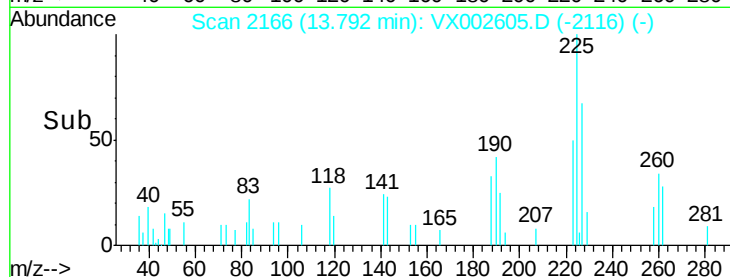
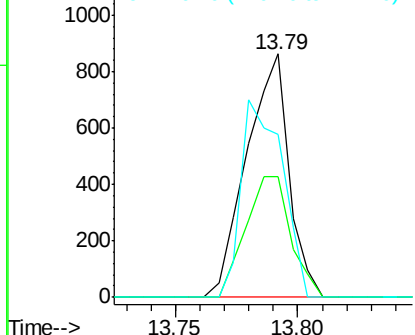
#94
Hexachlorobutadiene
Concen: 0.50 ug/l
RT: 13.79 min Scan# 2166
Delta R.T. 0.01 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

Tot Ion:225 Resp: 1044
Ion Ratio Lower Upper
225 100
223 52.9 31.6 95.0
227 78.7 32.4 97.2

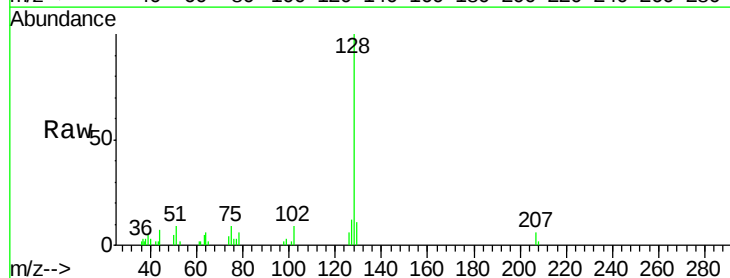


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

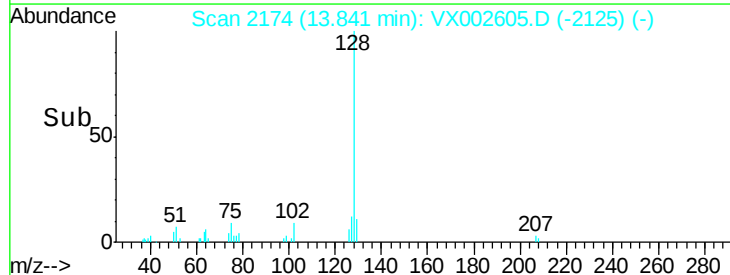
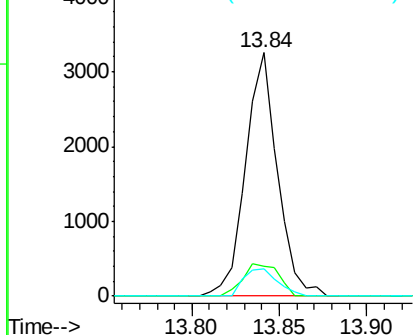


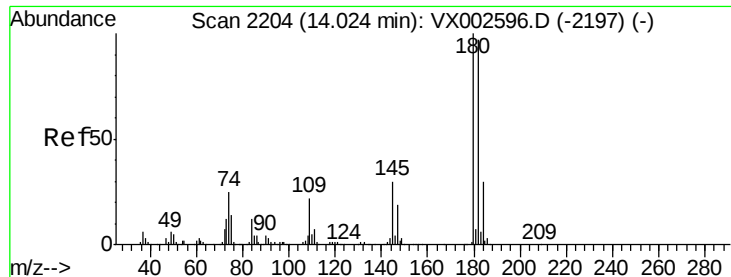
#95
Naphthalene
Concen: 0.39 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002605.D
Acq: 15 Jun 2018 19:16

Tgt Ion:128 Resp: 4146
Ion Ratio Lower Upper
128 100
127 14.8 10.4 15.6
129 12.0 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

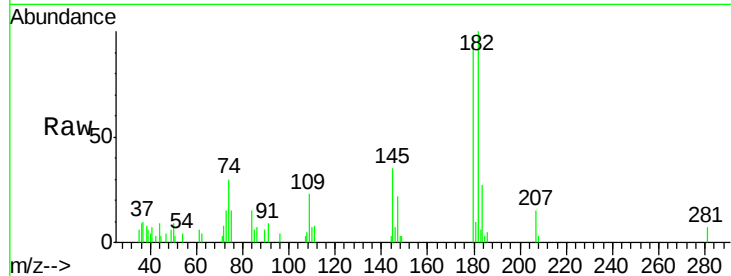




#96
 1,2,3-Trichlorobenzene
 Concen: 0.63 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002605.D
 Acq: 15 Jun 2018 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	48.0	144.0
145	37.2	14.8	44.3



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

