

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002262.D
 Acq On : 04 Jun 2018 16:07
 Operator : JC/MD
 Sample : J3282-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-SOILREF-6

Quant Time: Jun 05 04:58:52 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193969	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	183829	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.51	113	136763	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	8.72	98	543160	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	11.14	95	192820	43.19	ug/l	0.00
Spiked Amount			Recovery	=	86.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	793	Below Cal		95
5) Bromomethane	1.61	94	338	Below Cal	#	46
8) Diethyl Ether	2.19	74	74	Below Cal	#	1
10) Methyl Iodide	2.53	142	2674	0.67	ug/l	# 87
11) Tert butyl alcohol	3.02	59	1916	Below Cal	#	93
13) Acrolein	2.29	56	179	Below Cal	#	14
15) Acrylonitrile	3.15	53	632	Below Cal	#	42
16) Acetone	2.45	43	12485	Below Cal		94
17) Carbon Disulfide	2.57	76	2387	0.32	ug/l	# 86
18) Methyl Acetate	2.79	43	680	Below Cal	#	55
19) Methyl tert-butyl Ether	3.21	73	81	Below Cal	#	29
20) Methylene Chloride	2.87	84	2498	Below Cal		94
21) trans-1,2-Dichloroethene	3.17	96	626	0.20	ug/l	# 65
22) Diisopropyl ether	3.88	45	219	Below Cal	#	43
28) Bromochloromethane	5.04	49	73	Below Cal	#	13
29) Tetrahydrofuran	5.17	42	1299	0.78	ug/l	# 53
36) 1,1-Dichloropropene	5.67	75	18226	4.51	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	24724	5.85	ug/l	# 17
39) Methylcyclohexane	7.47	83	519	0.37	ug/l	90
49) 1,4-Dioxane	7.64	88	20	0.26	ug/l	# 22
76) 1,2,3-Trichloropropane	11.14	75	103273	24.26	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	103273	85.05	ug/l	# 6
93) 1,2,4-Trichlorobenzene	13.65	180	1166	0.24	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002262.D

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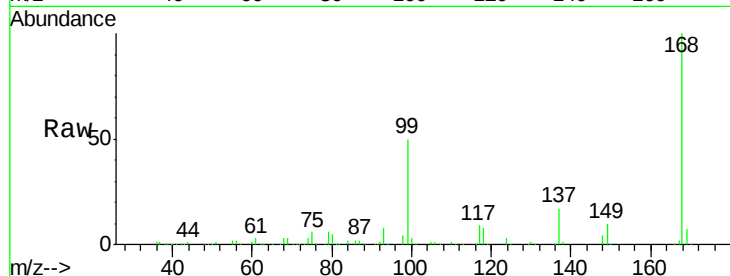
STORAGEBLANK-SOILREF-6

Tot Ion:168 Resp: 264942

Ion Ratio Lower Upper

168 100

99 50.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

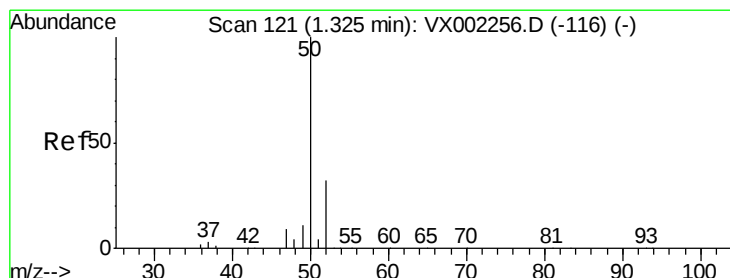
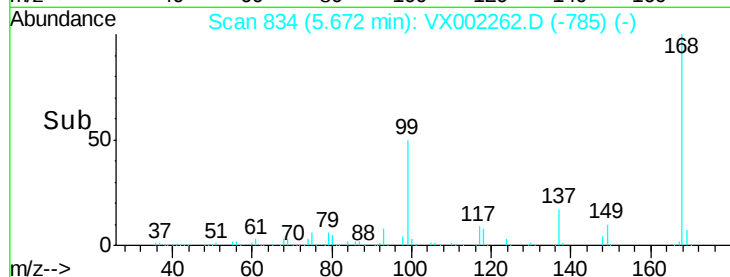
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002262.D

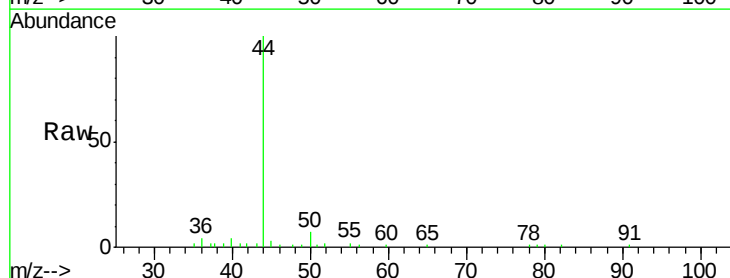
Acq: 04 Jun 2018 16:07

Tgt Ion: 50 Resp: 793

Ion Ratio Lower Upper

50 100

52 34.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

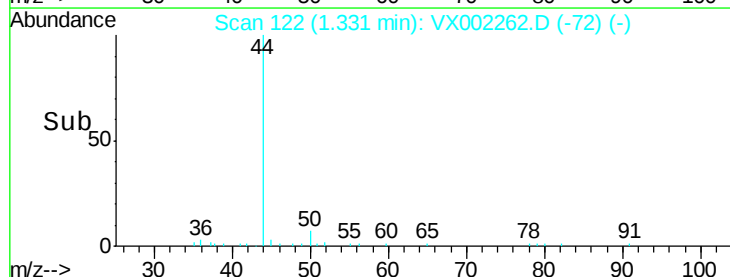
300

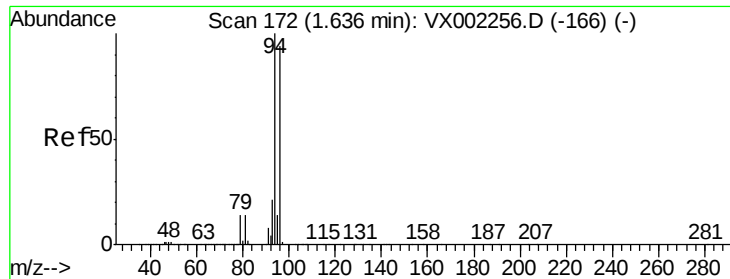
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX002262.D

Acq: 04 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

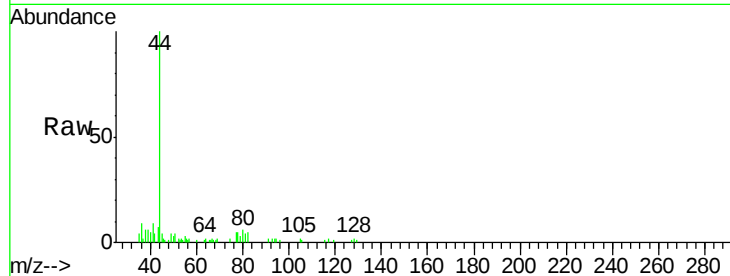
STORAGEBLANK-SOILREF-6

Tot Ion: 94 Resp: 338

Ion Ratio Lower Upper

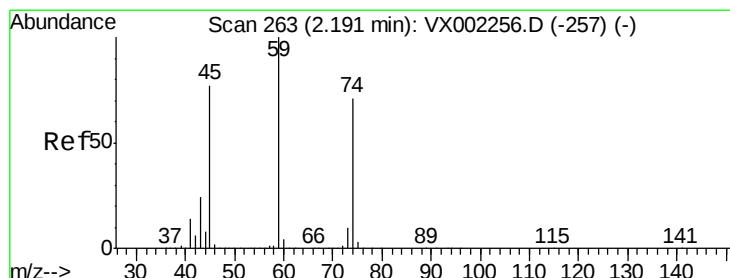
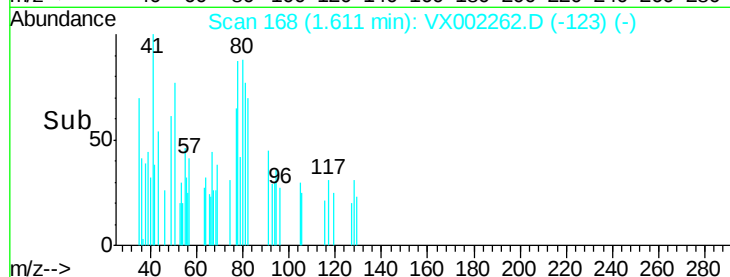
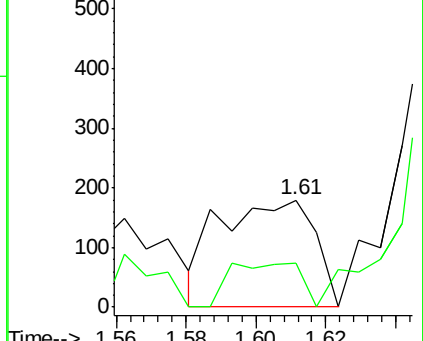
94 100

96 41.3 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002262.D

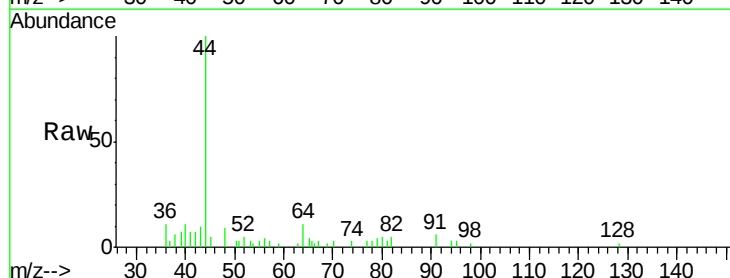
Acq: 04 Jun 2018 16:07

Tgt Ion: 74 Resp: 74

Ion Ratio Lower Upper

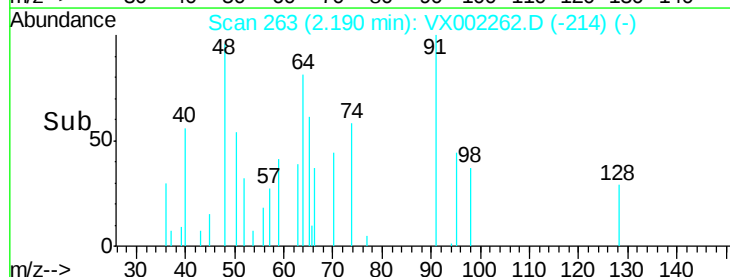
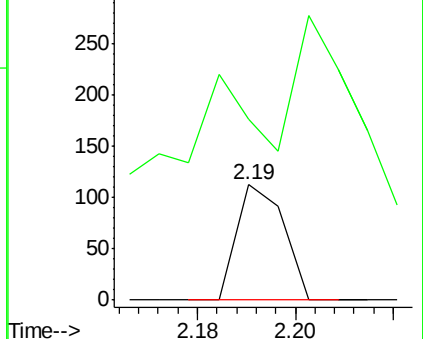
74 100

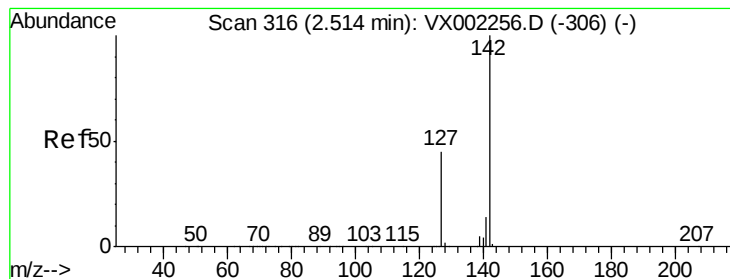
45 367.6 53.1 159.4#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 0.67 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002262.D

Acq: 04 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

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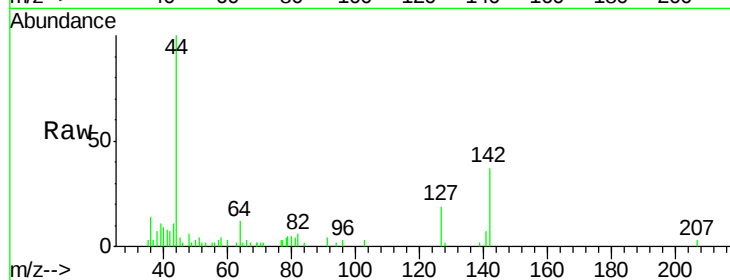
Tot Ion:142 Resp: 2674

Ion Ratio Lower Upper

142 100

127 53.8 36.6 55.0

141 20.4 11.3 16.9#

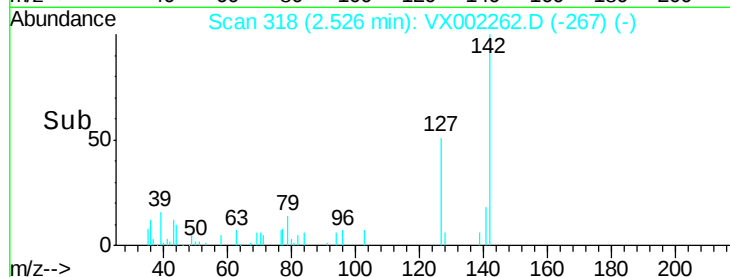


Abundance Ion 141.80 (141.50 to 142.50): V

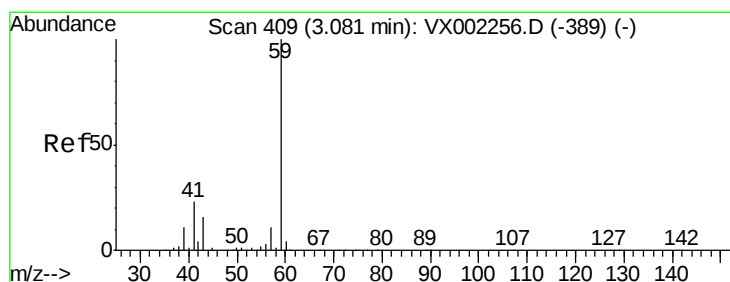
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.02 min Scan# 399

Delta R.T. -0.06 min

Lab File: VX002262.D

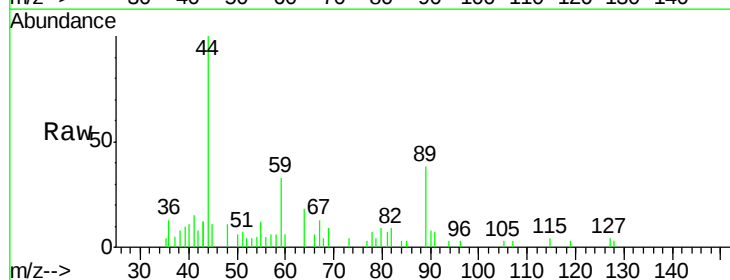
Acq: 04 Jun 2018 16:07

Tgt Ion: 59 Resp: 1916

Ion Ratio Lower Upper

59 100

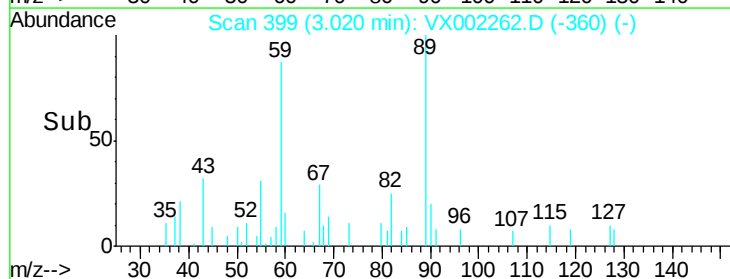
57 7.7 8.2 12.2#



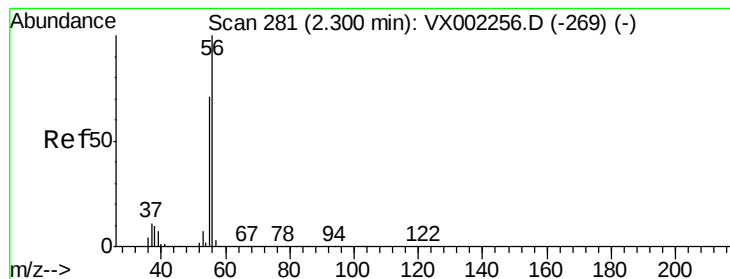
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Time-->



Time-->



#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002262.D

Acq: 04 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

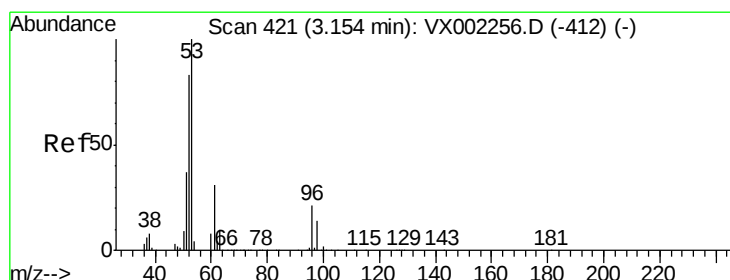
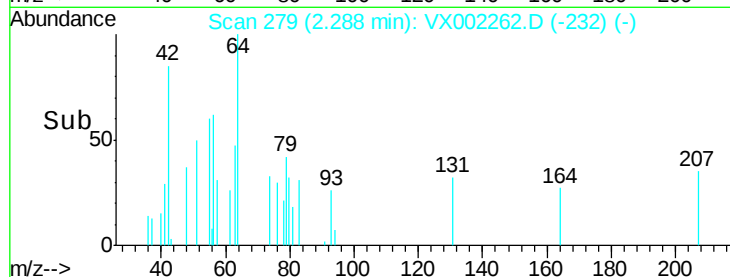
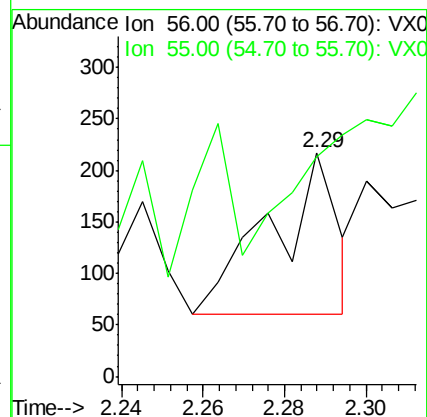
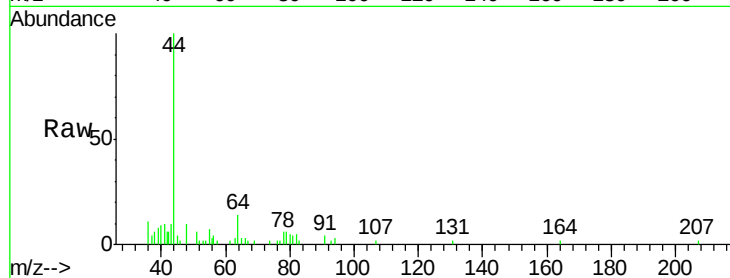
STORAGEBLANK-SOILREF-6

Tot Ion: 56 Resp: 179

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002262.D

Acq: 04 Jun 2018 16:07

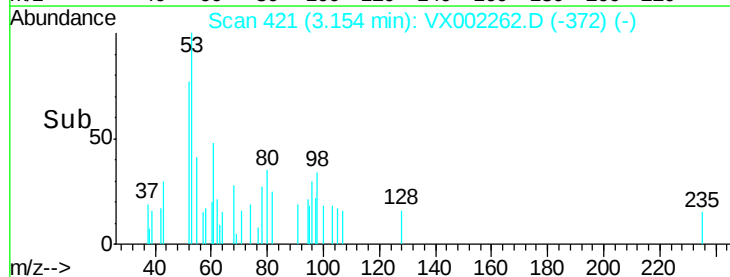
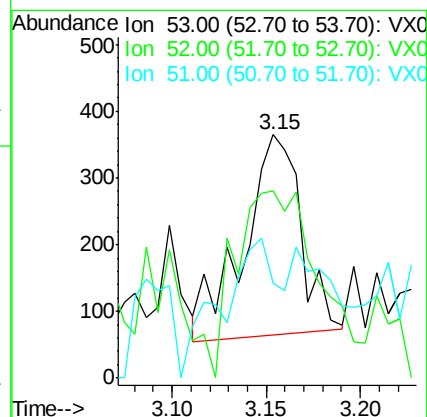
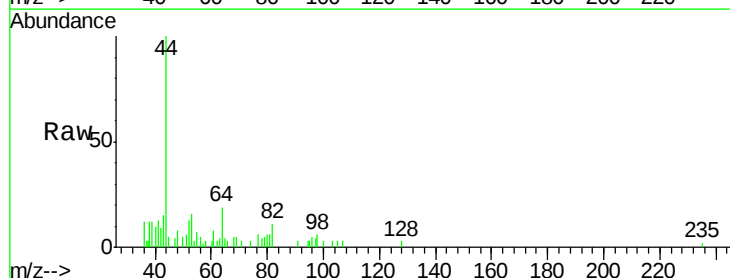
Tgt Ion: 53 Resp: 632

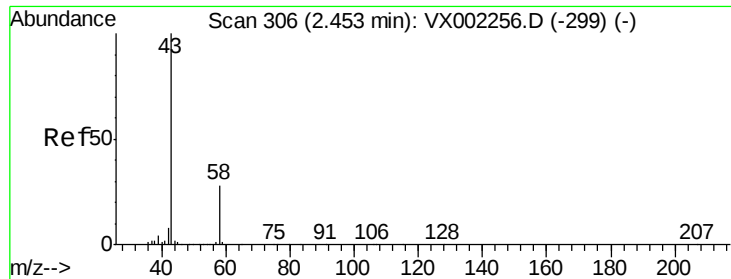
Ion Ratio Lower Upper

53 100

52 136.9 66.7 100.1#

51 70.3 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002262.D

Acq: 04 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

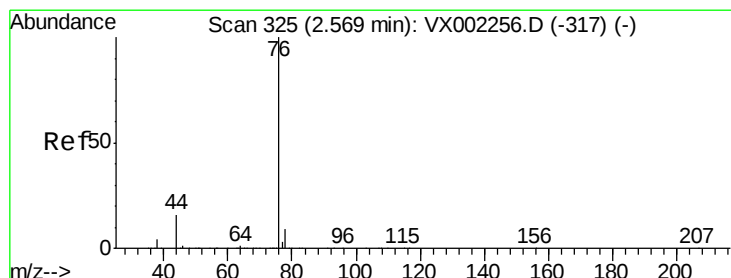
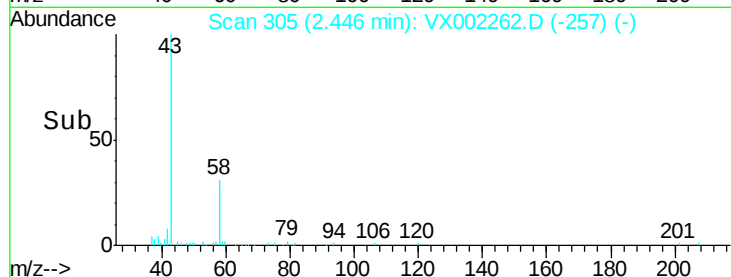
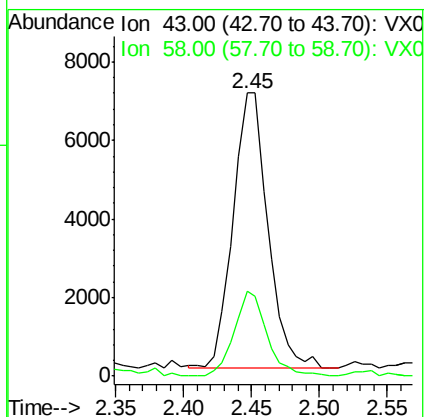
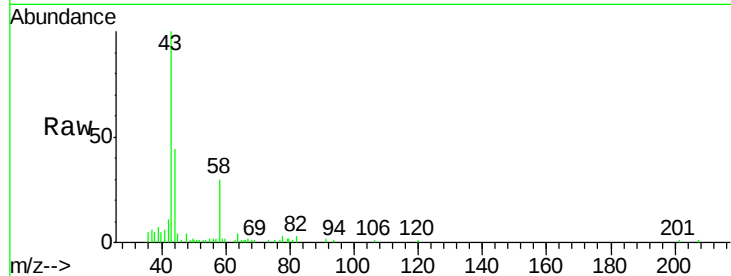
STORAGEBLANK-SOILREF-6

Tot Ion: 43 Resp: 12485

Ion Ratio Lower Upper

43 100

58 30.9 22.1 33.1



#17

Carbon Disulfide

Concen: 0.32 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002262.D

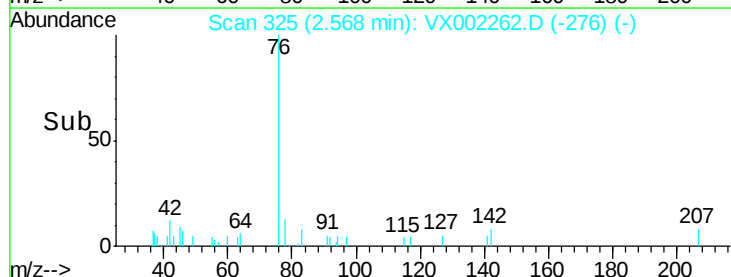
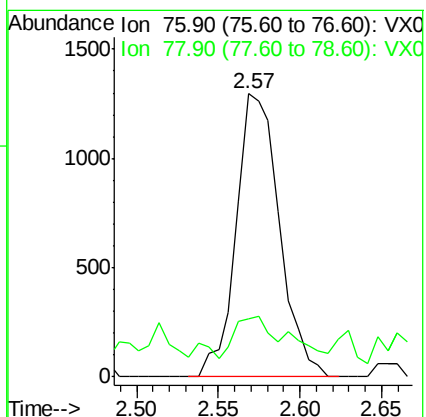
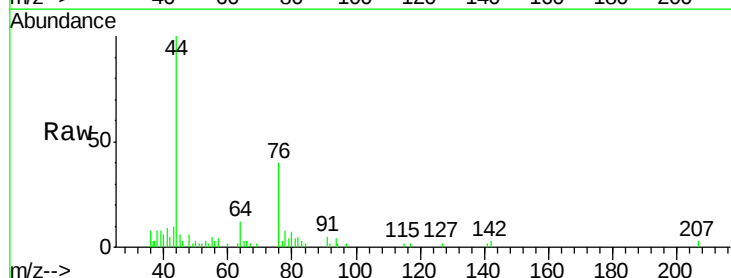
Acq: 04 Jun 2018 16:07

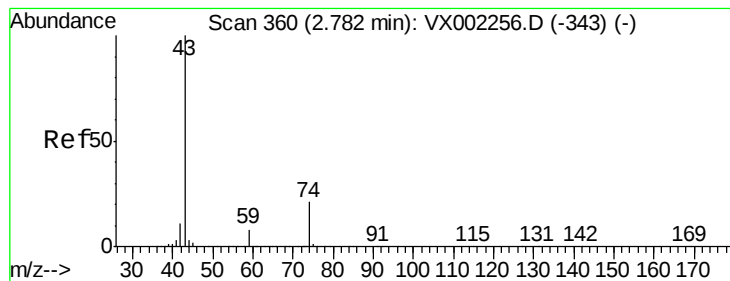
Tgt Ion: 76 Resp: 2387

Ion Ratio Lower Upper

76 100

78 13.7 6.9 10.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002262.D

Acq: 04 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

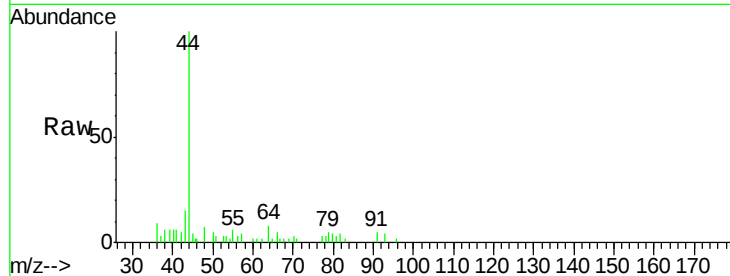
STORAGEBLANK-SOILREF-6

Tot Ion: 43 Resp: 680

Ion Ratio Lower Upper

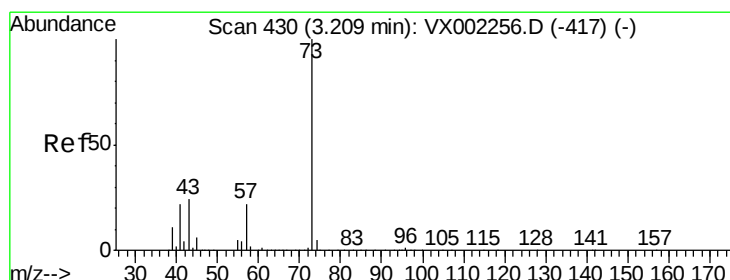
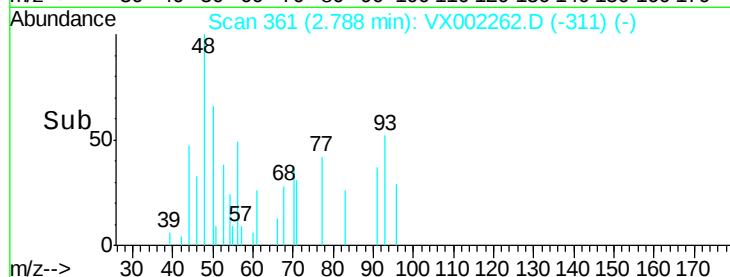
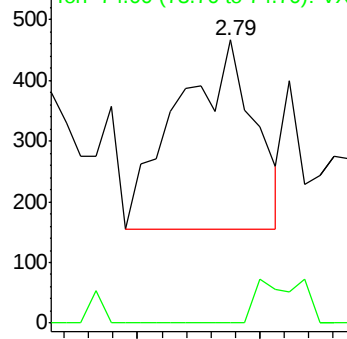
43 100

74 0.0 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#19

Methyl tert-butyl Ether

Concen: Below Cal

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002262.D

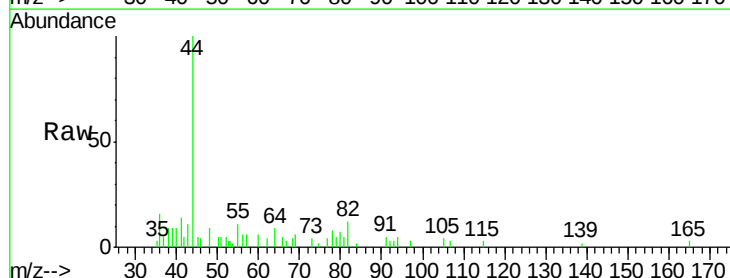
Acq: 04 Jun 2018 16:07

Tgt Ion: 73 Resp: 81

Ion Ratio Lower Upper

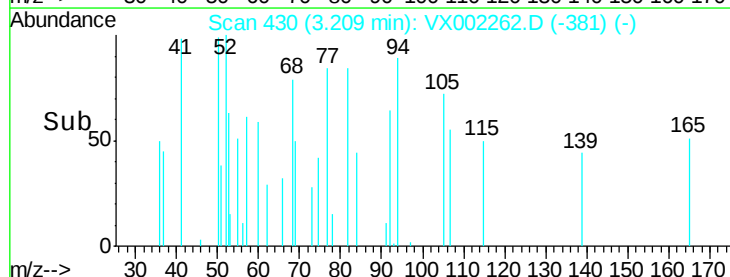
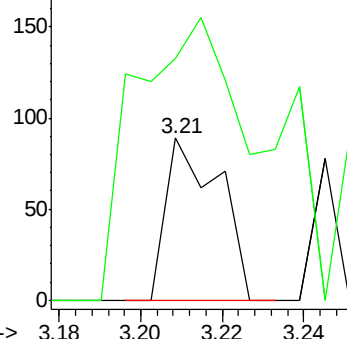
73 100

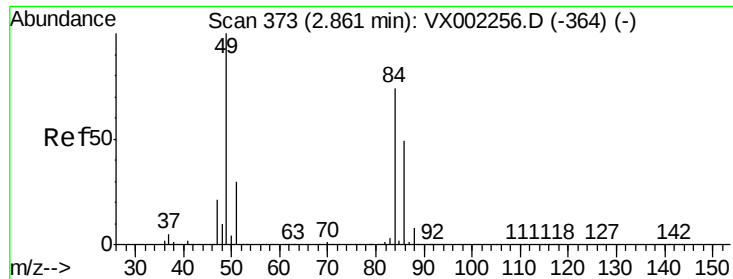
57 56.2 17.7 26.5#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

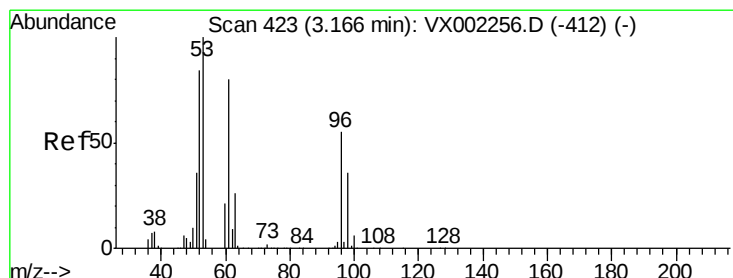
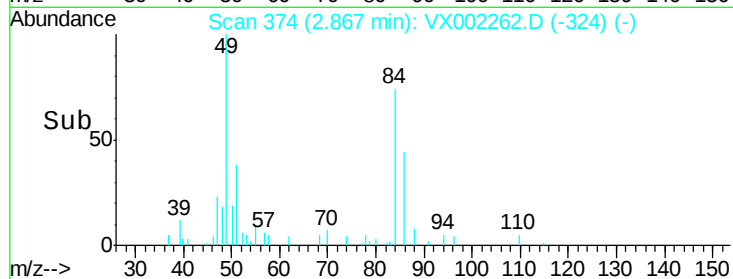
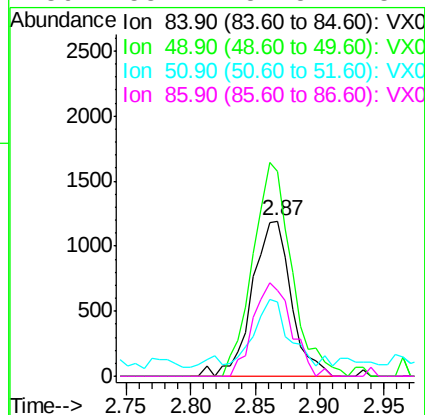
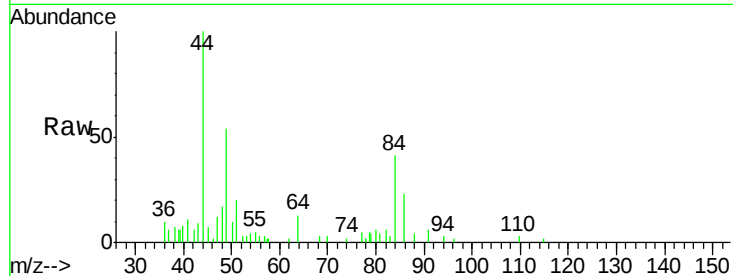




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

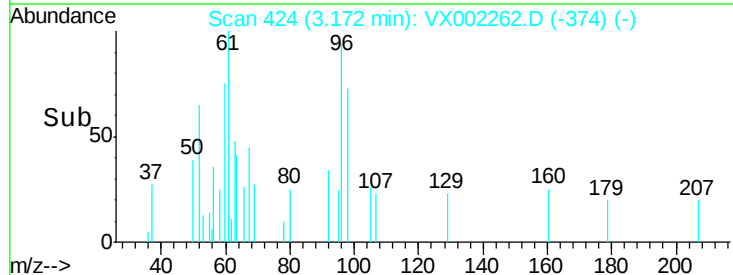
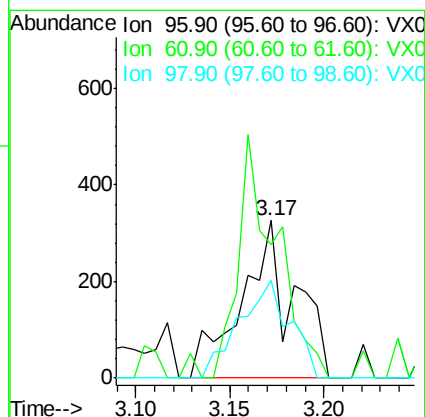
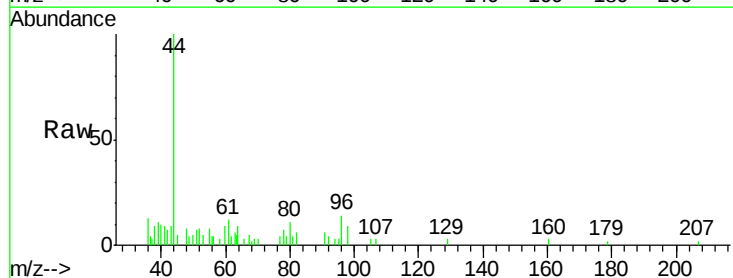
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

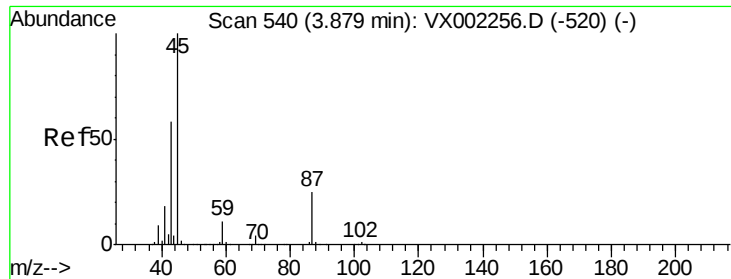
Tot Ion: 84 Resp: 2498
Ion Ratio Lower Upper
84 100
49 131.4 107.8 161.6
51 42.4 32.8 49.2
86 55.2 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.20 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

Tgt Ion: 96 Resp: 626
Ion Ratio Lower Upper
96 100
61 85.0 117.0 175.4#
98 62.0 52.4 78.6

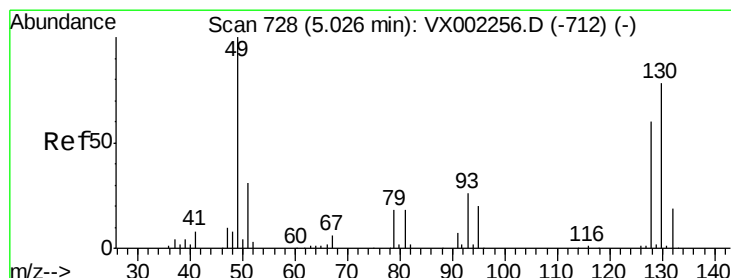
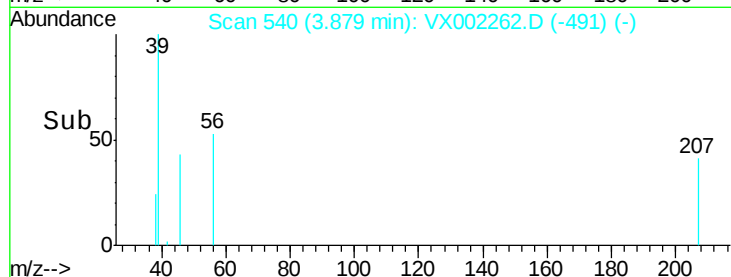
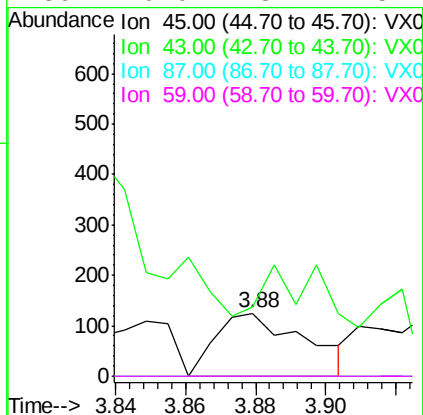
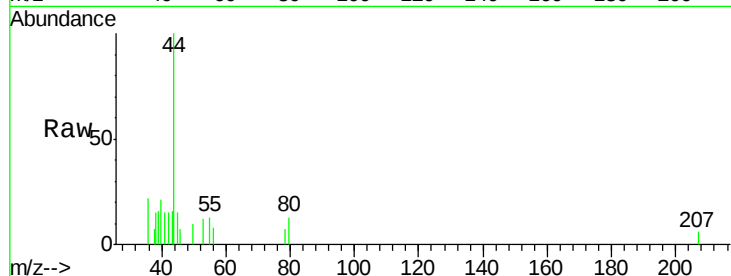




#22
Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

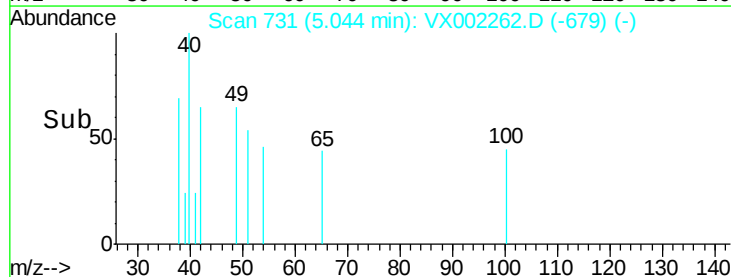
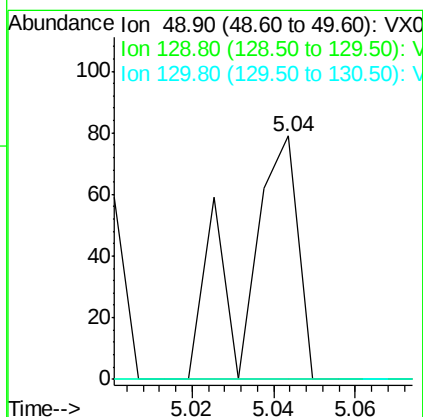
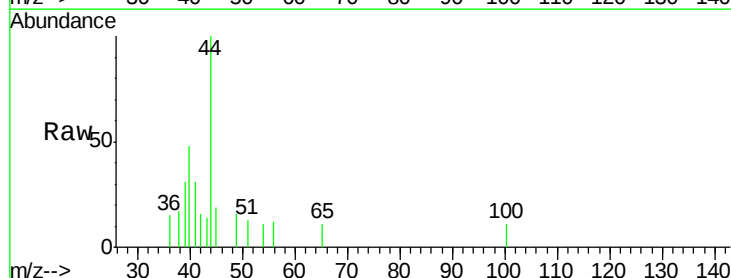
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

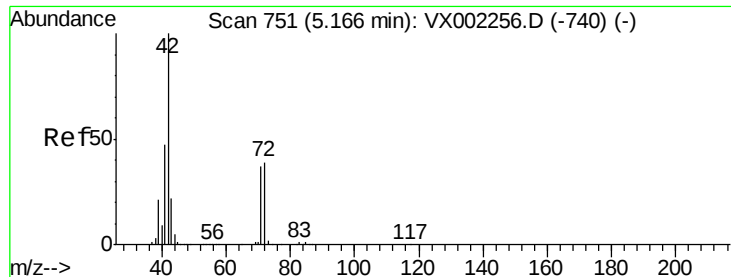
Tot Ion:	45	Resp:	219
Ion	Ratio	Lower	Upper
45	100		
43	9.6	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 731
Delta R.T. 0.02 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

Tgt Ion:	49	Resp:	73
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#

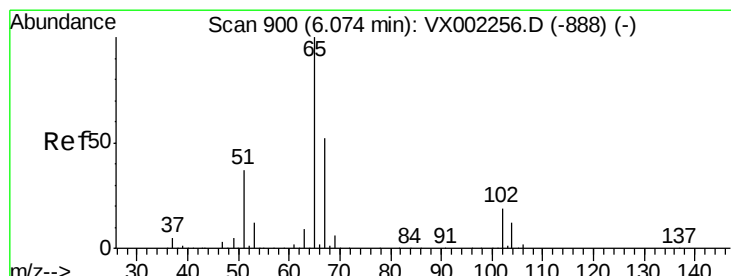
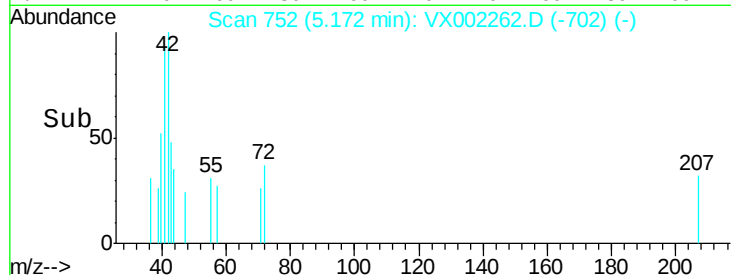
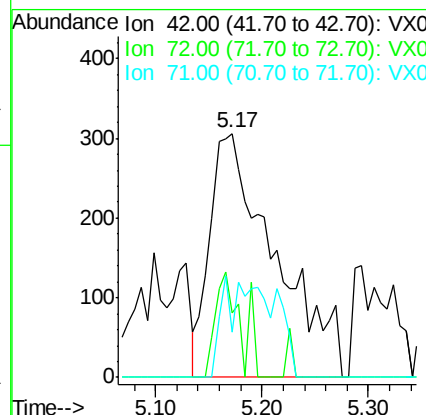
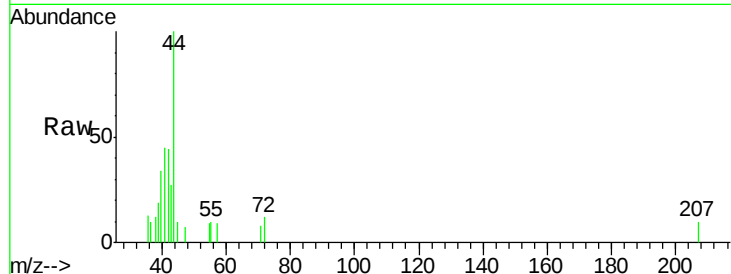




#29
Tetrahydrofuran
Concen: 0.78 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

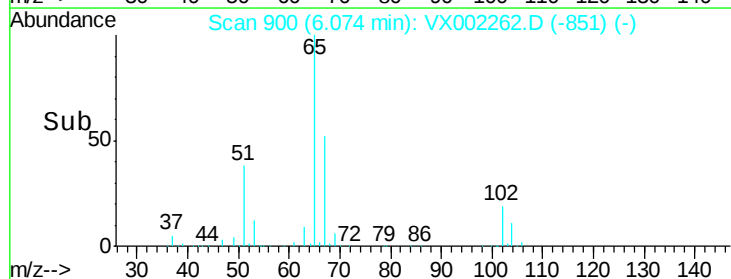
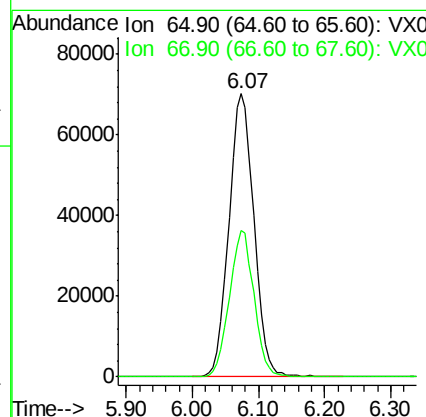
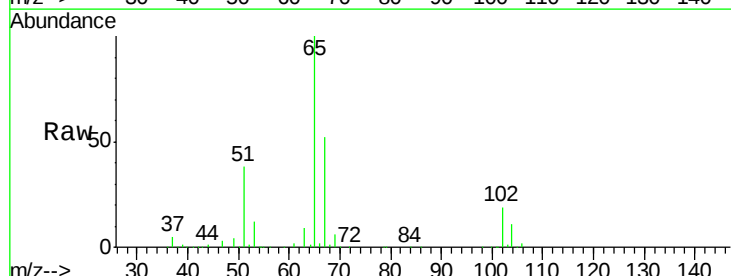
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

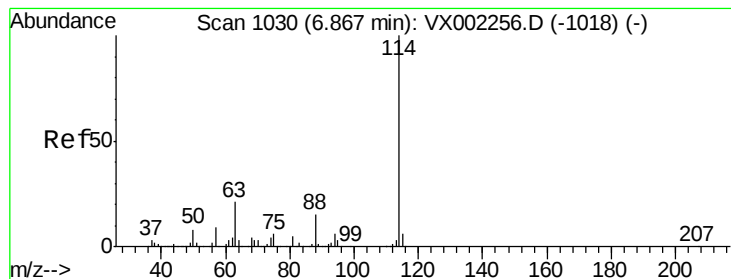
Tot Ion: 42 Resp: 1299
Ion Ratio Lower Upper
42 100
72 13.2 32.0 48.0#
71 7.3 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 48.41 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

Tgt Ion: 65 Resp: 183829
Ion Ratio Lower Upper
65 100
67 50.9 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: VX002262.D

Acq: 04 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

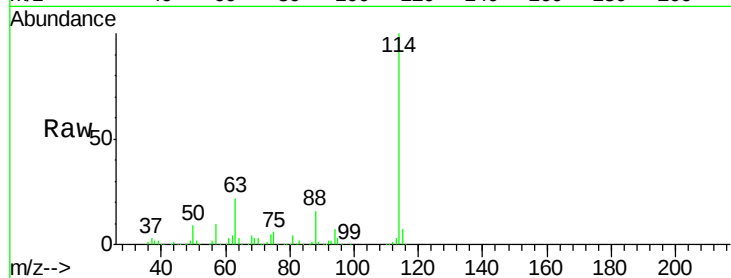
Tot Ion:114 Resp: 384090

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.4

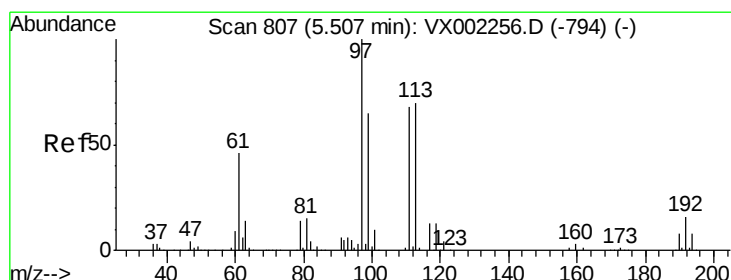
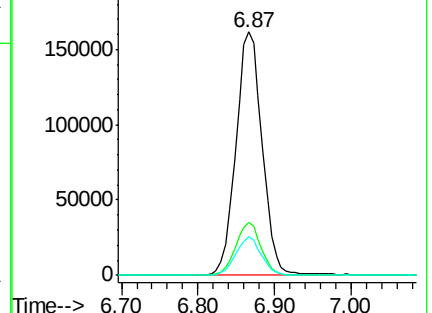
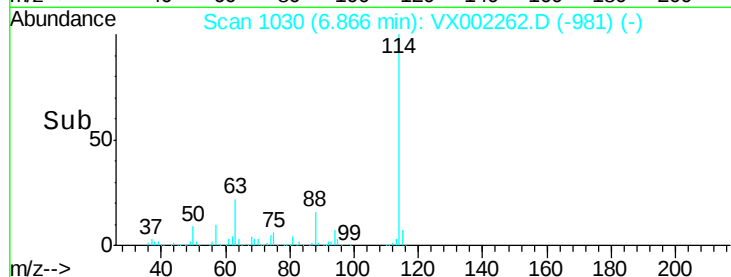
88 16.2 0.0 30.0



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: 45.28 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002262.D

Acq: 04 Jun 2018 16:07

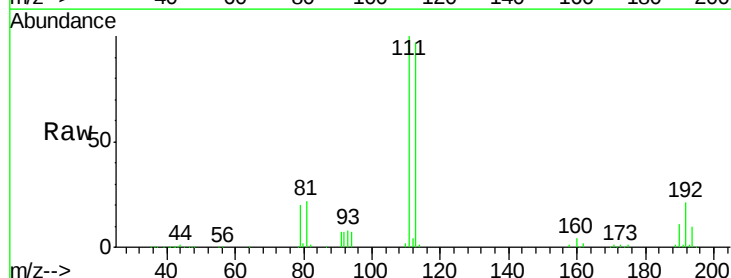
Tgt Ion:113 Resp: 136763

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

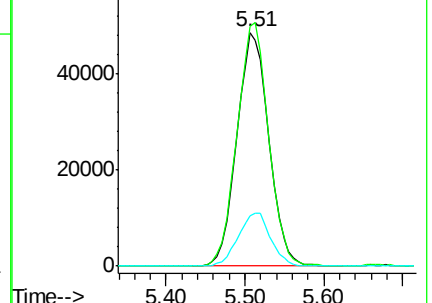
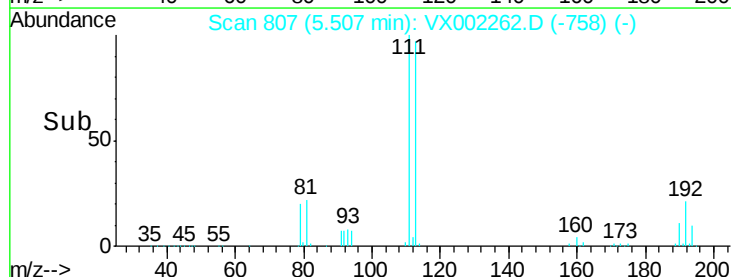
192 23.1 19.1 28.7

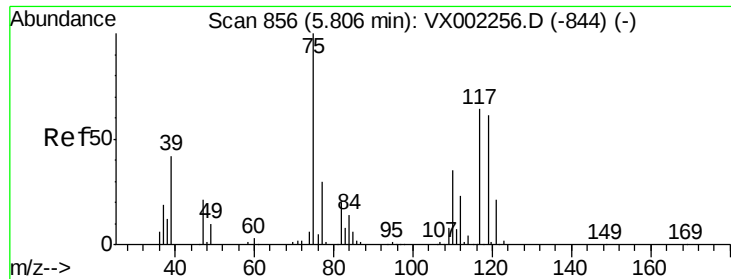


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

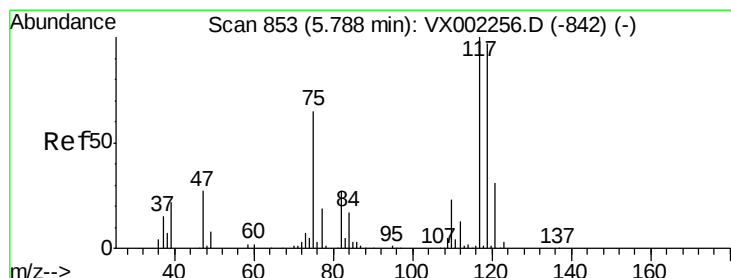
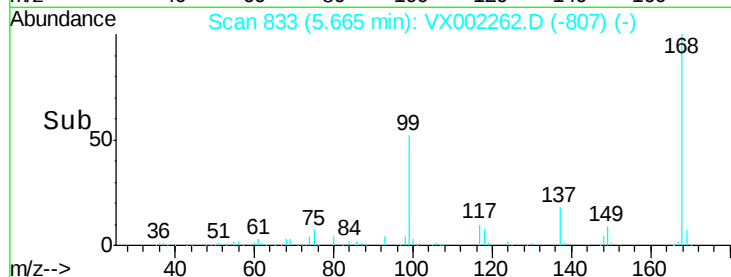
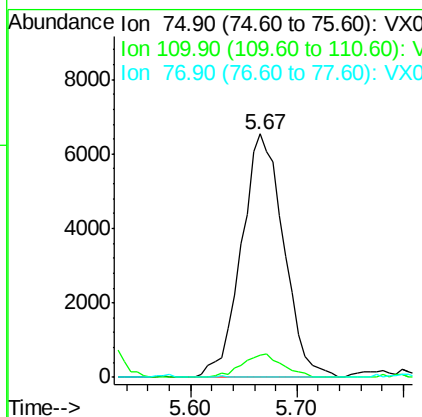
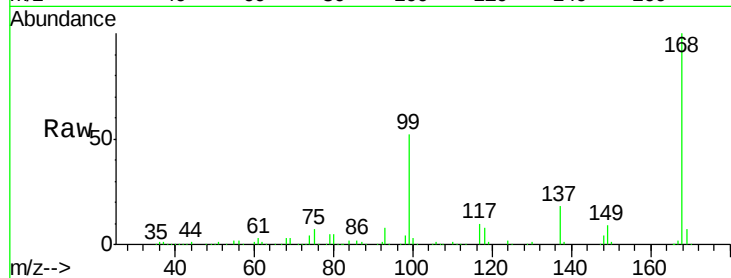




#36
 1,1-Dichloropropene
 Concen: 4.51 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002262.D
 Acq: 04 Jun 2018 16:07

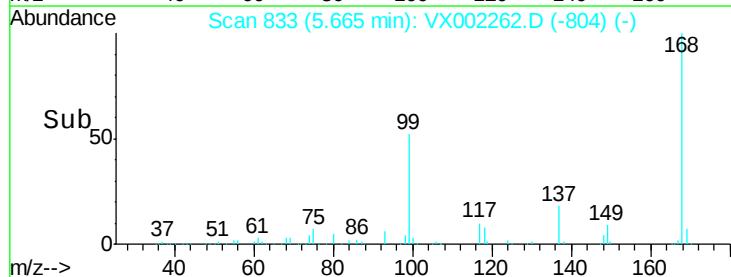
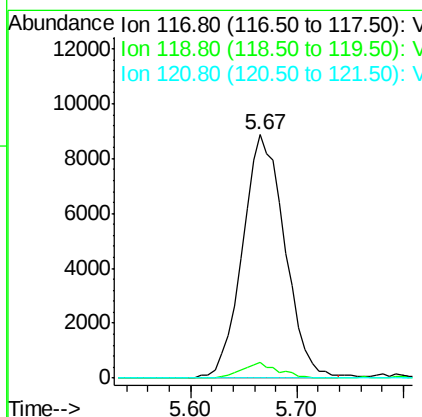
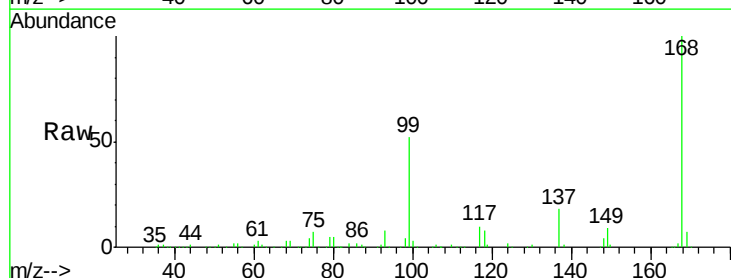
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

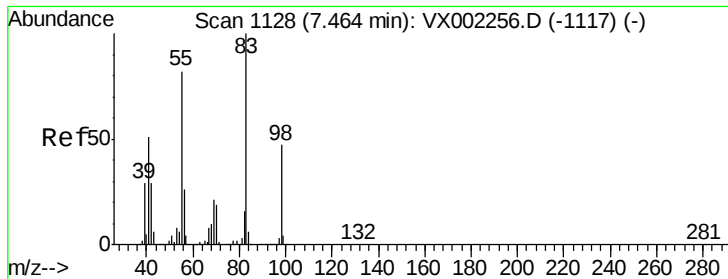
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.85 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002262.D
 Acq: 04 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.4	116.0#
121	0.0	24.4	36.6#

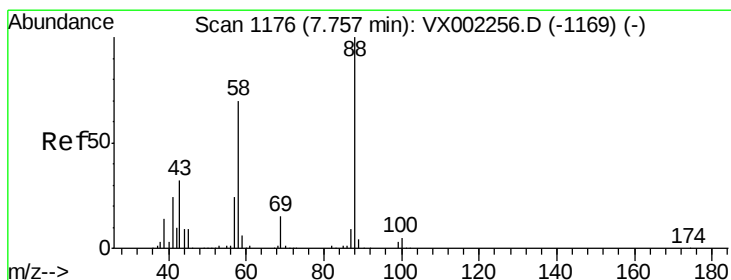
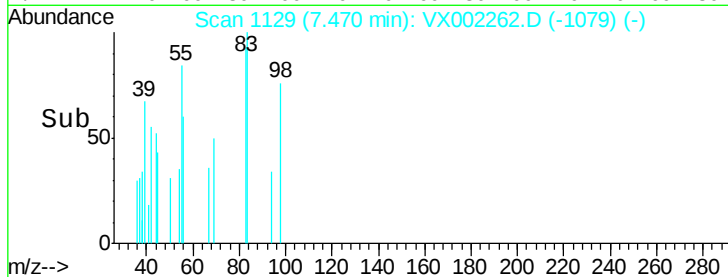
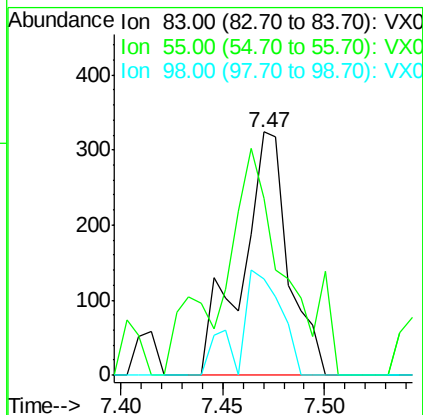
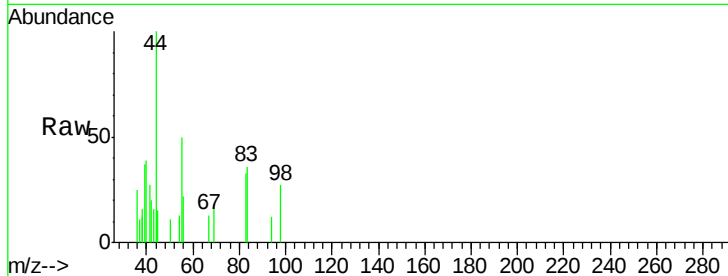




#39
Methylcyclohexane
Concen: 0.37 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

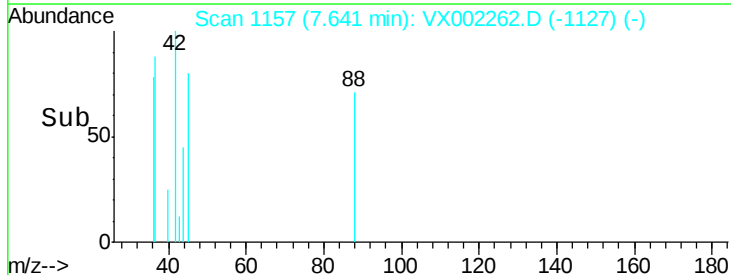
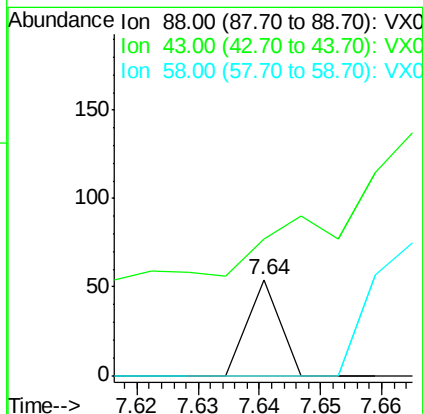
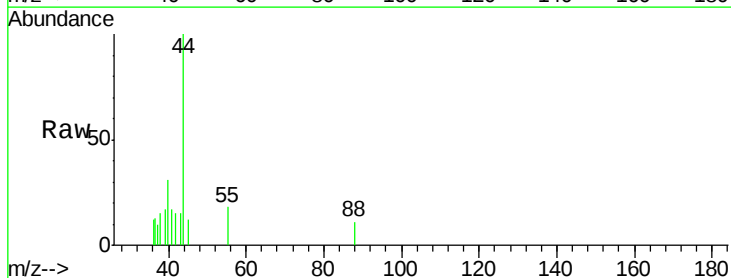
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

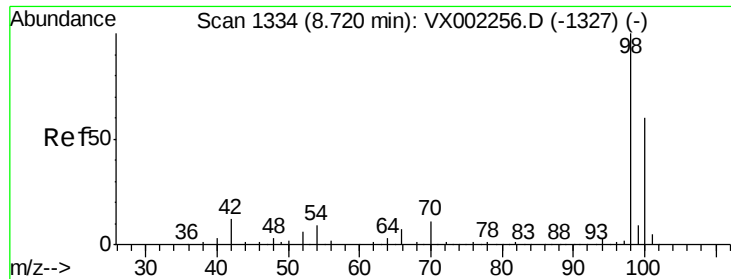
Tot Ion: 83 Resp: 519
Ion Ratio Lower Upper
83 100
55 72.8 65.4 98.0
98 39.5 37.4 56.0



#49
1,4-Dioxane
Concen: 0.26 ug/l
RT: 7.64 min Scan# 1157
Delta R.T. -0.12 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 0.0 57.1 85.7#

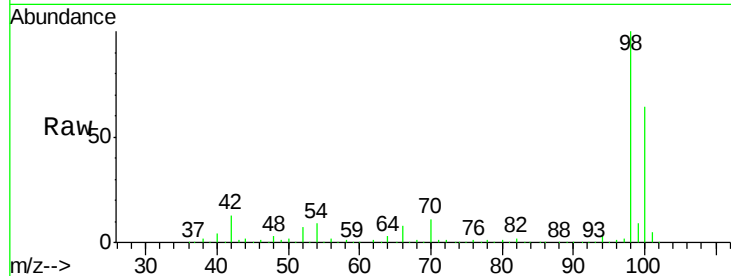




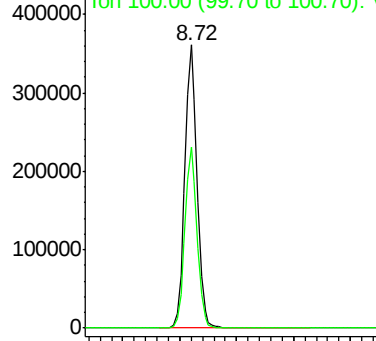
#50
Toluene-d8
Concen: 46.92 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

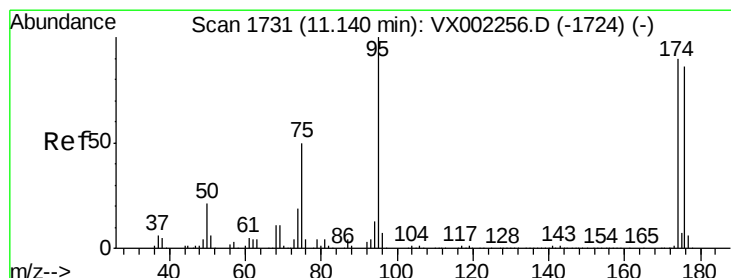
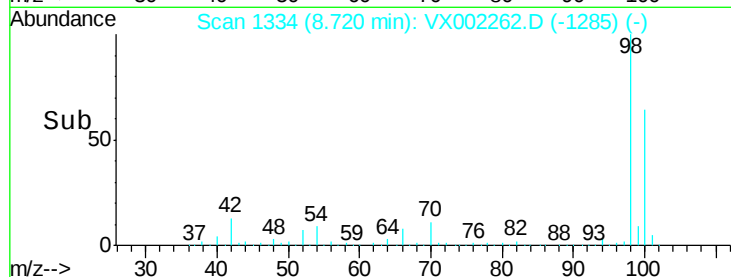
Tot Ion: 98 Resp: 543160
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

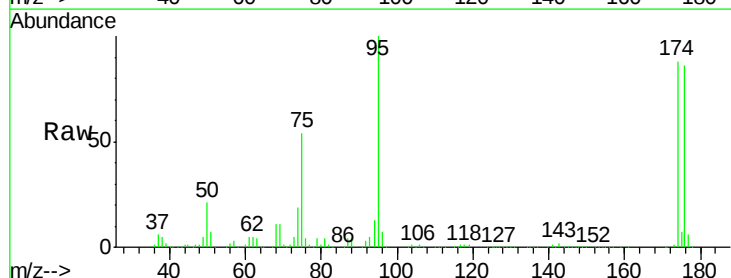


Time-->

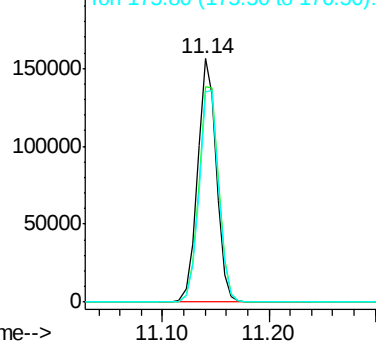


#62
4-Bromofluorobenzene
Concen: 43.19 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

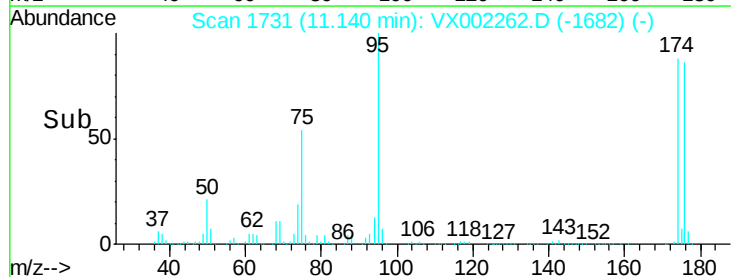
Tgt Ion: 95 Resp: 192820
Ion Ratio Lower Upper
95 100
174 94.3 0.0 187.4
176 90.8 0.0 181.0

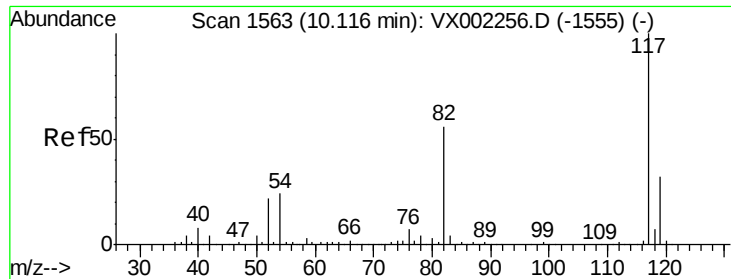


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



Time-->

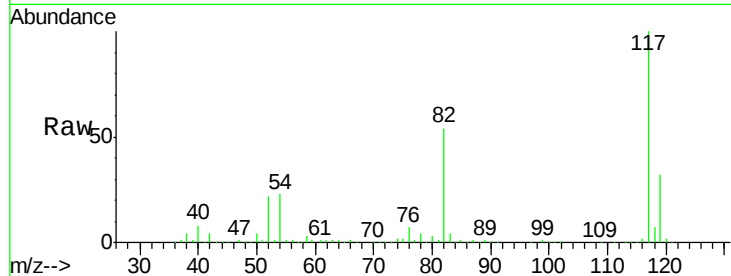




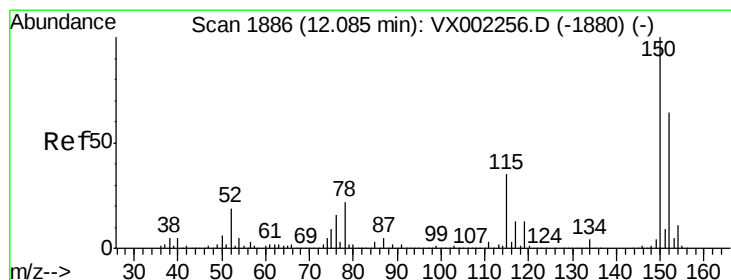
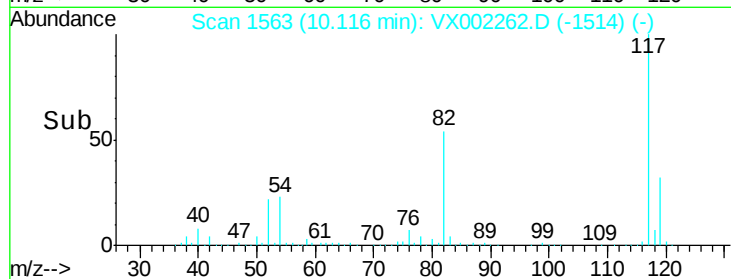
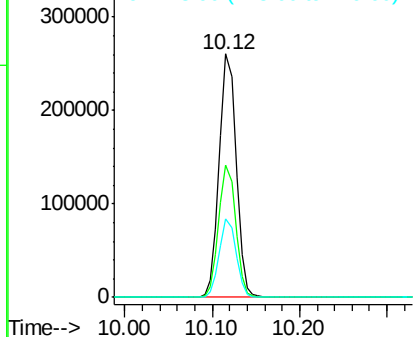
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

Tot Ion:117 Resp: 349904
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.5 25.8 38.6

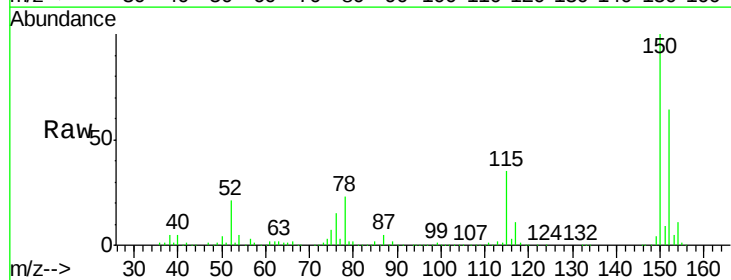


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

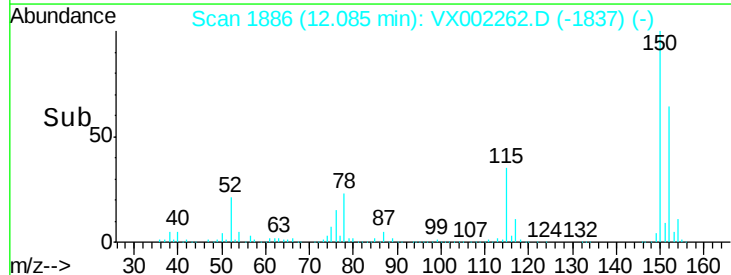
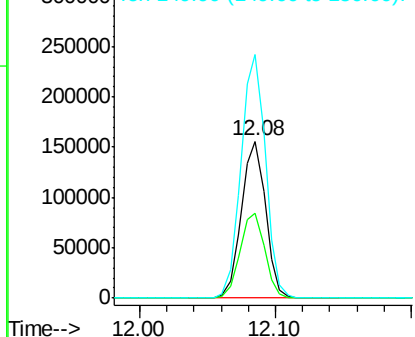


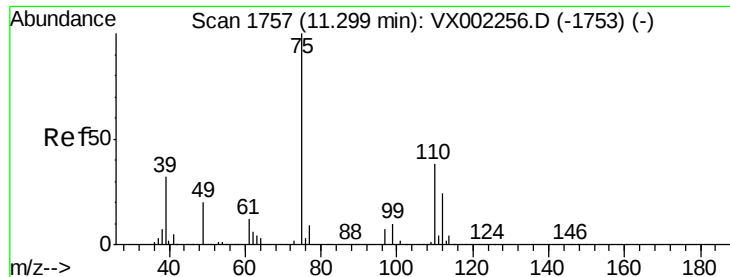
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002262.D
Acq: 04 Jun 2018 16:07

Tgt Ion:152 Resp: 193969
Ion Ratio Lower Upper
152 100
115 55.3 40.1 120.2
150 156.9 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

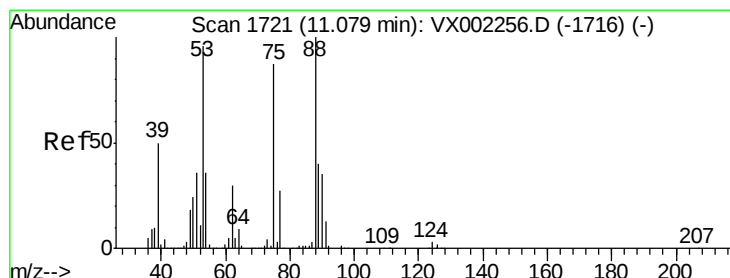
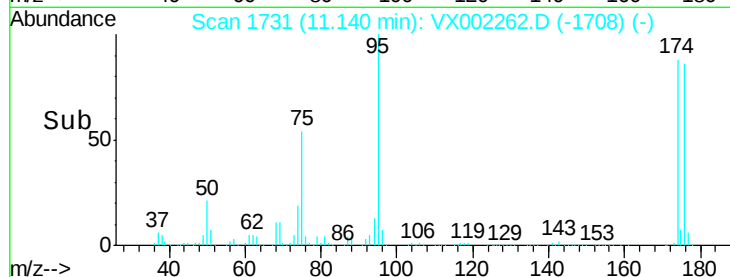
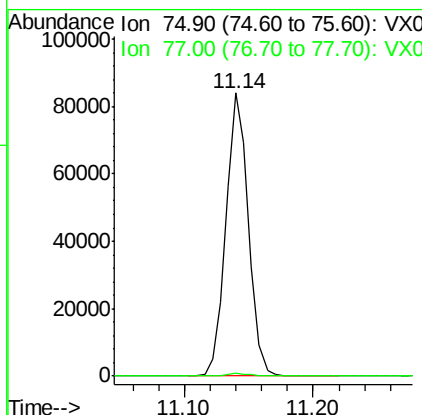
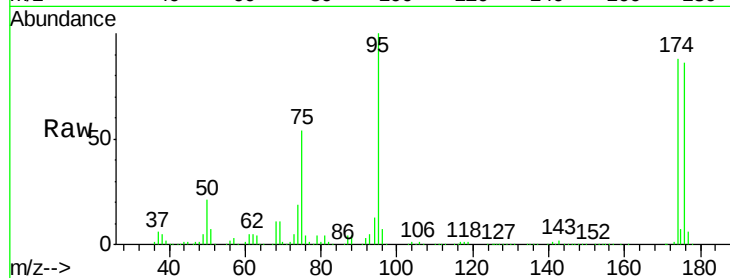




#76
 1,2,3-Trichloropropane
 Concen: 24.26 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002262.D
 Acq: 04 Jun 2018 16:07

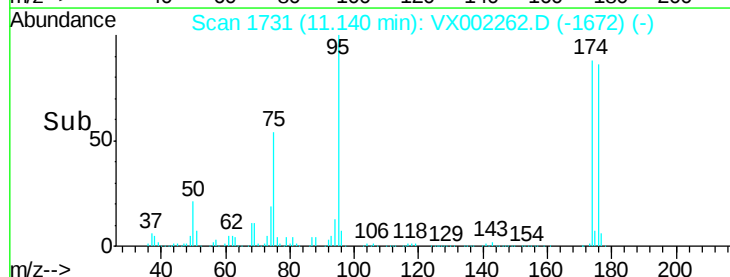
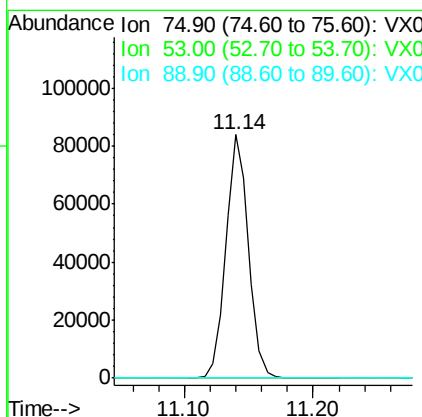
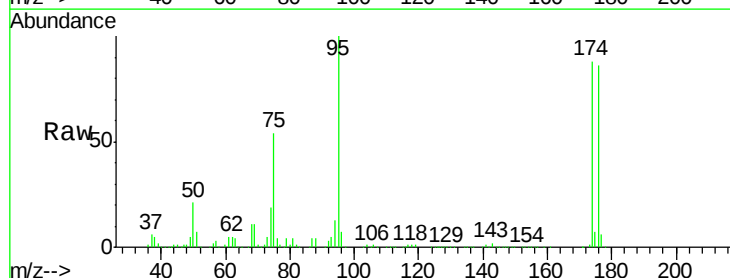
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

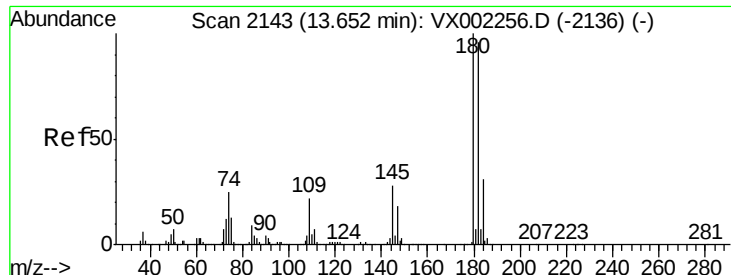
Tot Ion: 75 Resp: 103273
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.05 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002262.D
 Acq: 04 Jun 2018 16:07

Tgt Ion: 75 Resp: 103273
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#

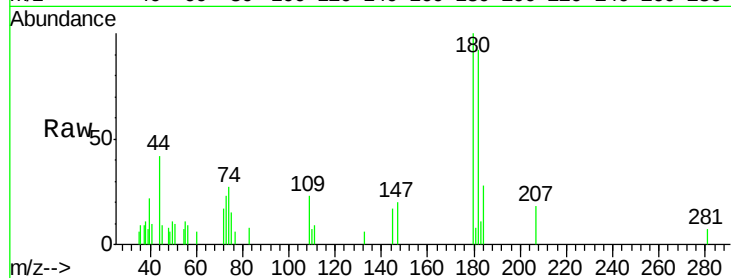




#93
 1,2,4-Trichlorobenzene
 Concen: 0.24 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002262.D
 Acq: 04 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.6	47.7	143.1
145	23.7	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

