

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021819\
 Data File : VX007580.D
 Acq On : 18 Feb 2019 11:32
 Operator : JC/SP
 Sample : K1507-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Feb 19 04:10:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	496803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	773277	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	721262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	337963	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	274884	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	5.50	113	254828	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	8.71	98	916912	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	318628	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

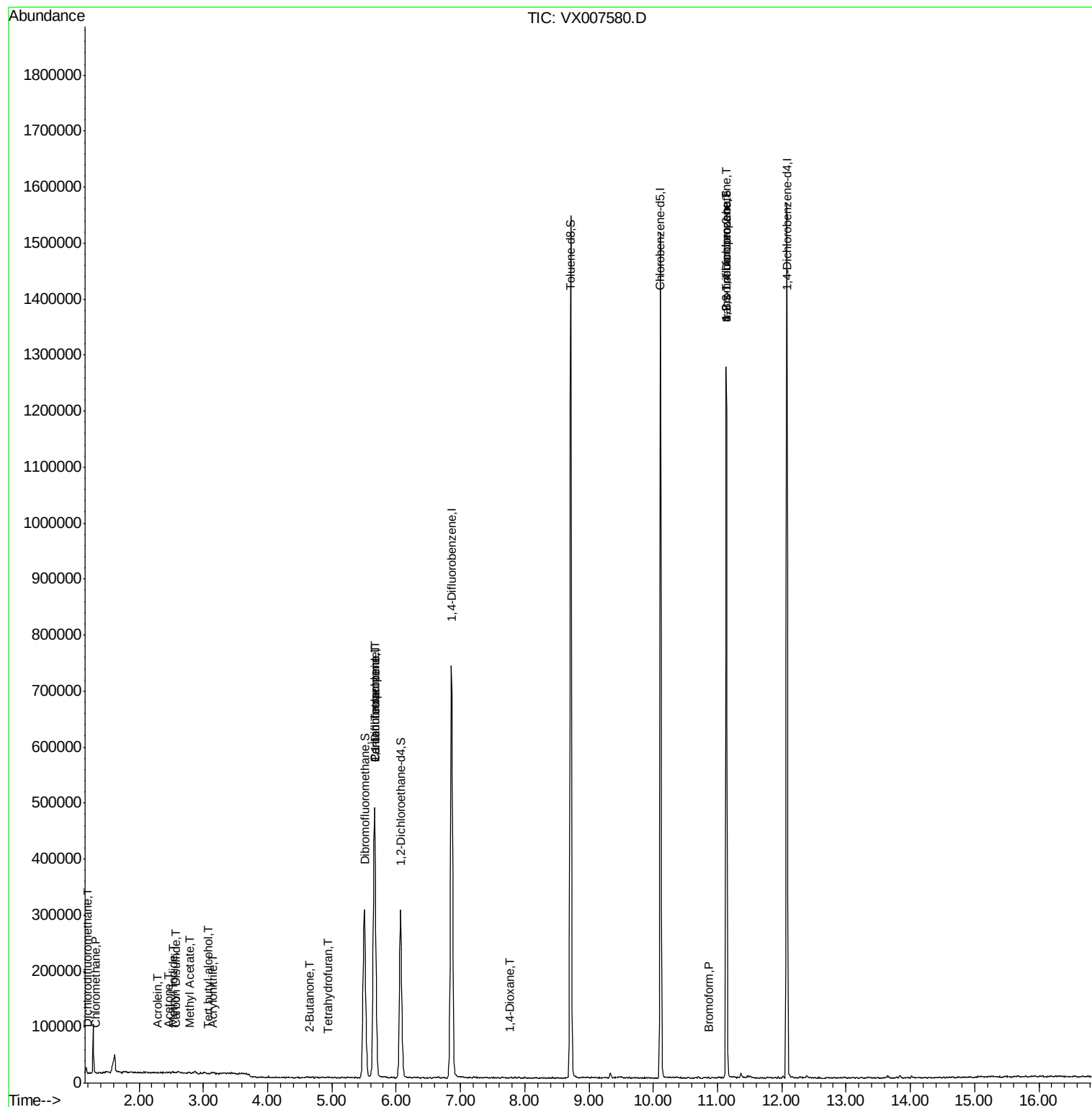
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	475	0.255	ug/l #	64
3) Chloromethane	1.33	50	1277	0.228	ug/l #	74
5) Bromomethane	1.65	94	1078	Below Cal	#	80
10) Methyl Iodide	2.52	142	2222	0.296	ug/l #	85
11) Tert butyl alcohol	3.07	59	353	0.323	ug/l #	17
13) Acrolein	2.28	56	376	0.735	ug/l #	40
15) Acrylonitrile	3.15	53	1495	0.554	ug/l #	59
16) Acetone	2.45	43	2176	0.901	ug/l #	66
17) Carbon Disulfide	2.57	76	2493	2.314	ug/l #	98
18) Methyl Acetate	2.79	43	1111	0.768	ug/l #	85
20) Methylene Chloride	2.86	84	1773	Below Cal		85
25) 2-Butanone	4.67	43	817	0.238	ug/l #	59
29) Tetrahydrofuran	4.94	42	490	0.227	ug/l	91
36) 1,1-Dichloropropene	5.66	75	32680	4.710	ug/l #	39
38) Carbon Tetrachloride	5.67	117	44066	6.547	ug/l #	17
49) 1,4-Dioxane	7.76	88	214	8.605	ug/l #	1
71) Bromoform	10.85	173	132	4.056	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	155188	23.607	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	155188	71.025	ug/l #	9

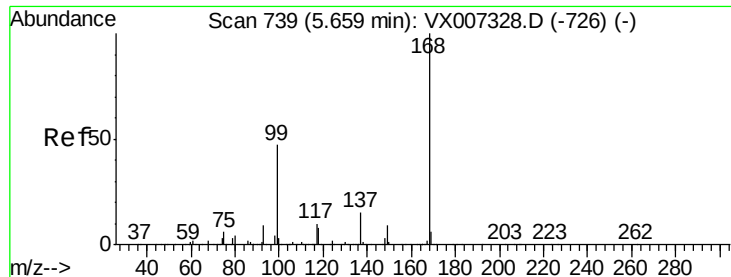
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007580.D

Acq: 18 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

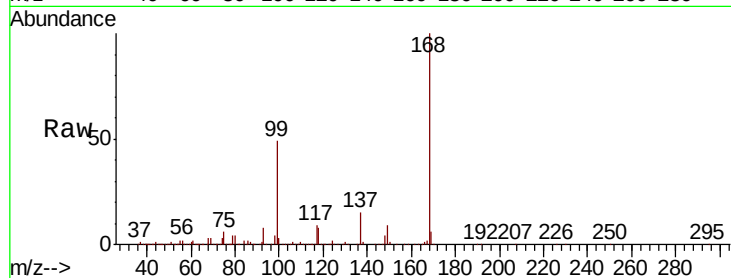
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 496803

Ion Ratio Lower Upper

168 100

99 49.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VX007328.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX007328.D (-726) (-)

5.67

200000

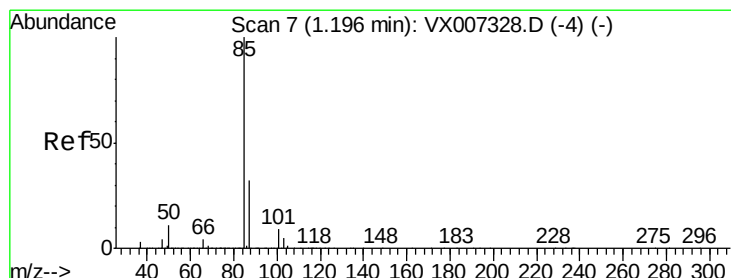
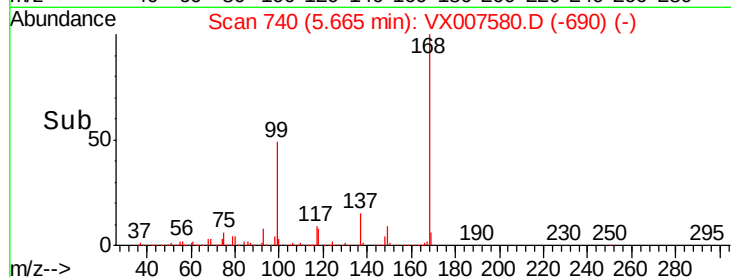
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.255 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007580.D

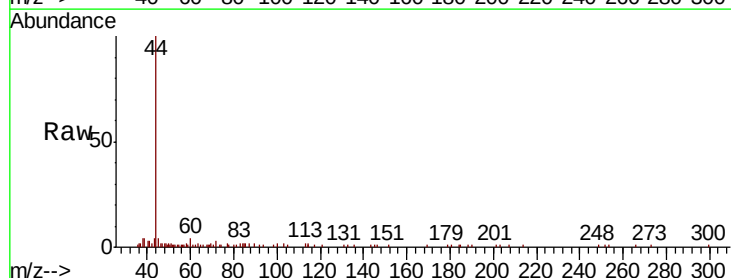
Acq: 18 Feb 2019 11:32

Tgt Ion: 85 Resp: 475

Ion Ratio Lower Upper

85 100

87 51.4 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX007328.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VX007328.D (-4) (-)

1.20

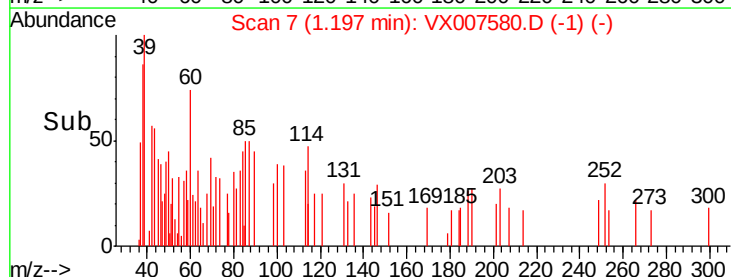
300

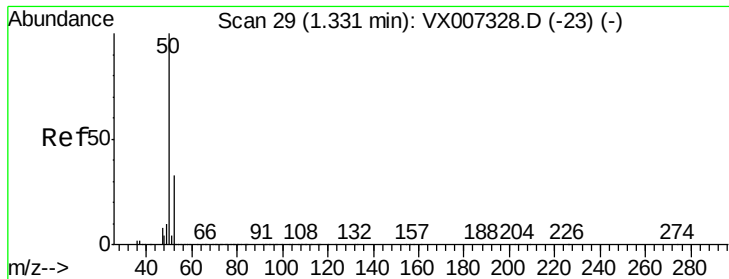
200

100

0

Time-->





#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007580.D

Acq: 18 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

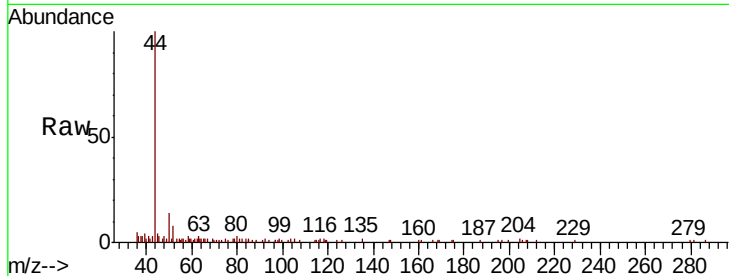
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 50 Resp: 1277

Ion Ratio Lower Upper

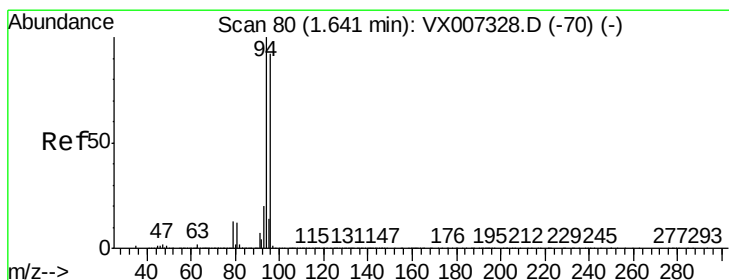
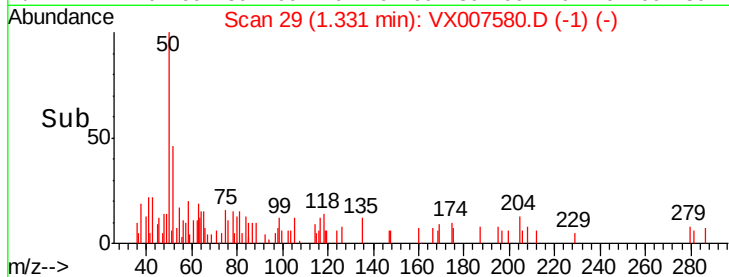
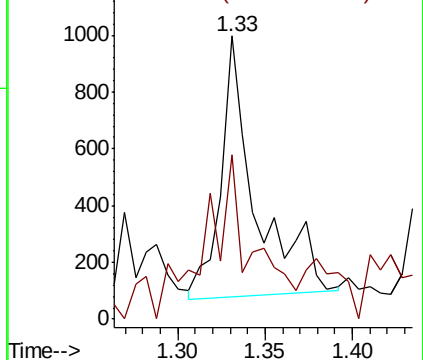
50 100

52 47.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007580.D

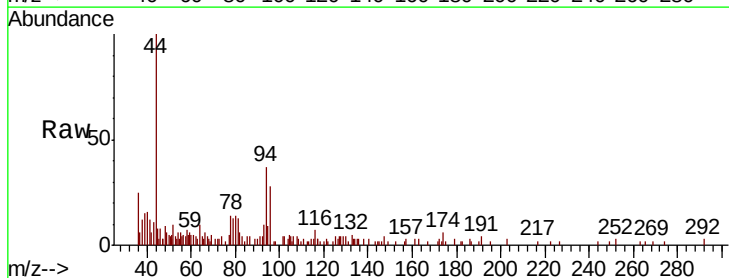
Acq: 18 Feb 2019 11:32

Tgt Ion: 94 Resp: 1078

Ion Ratio Lower Upper

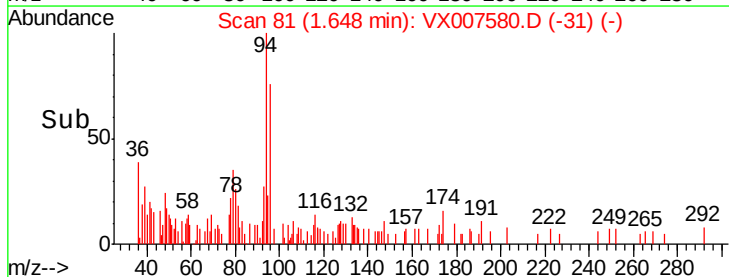
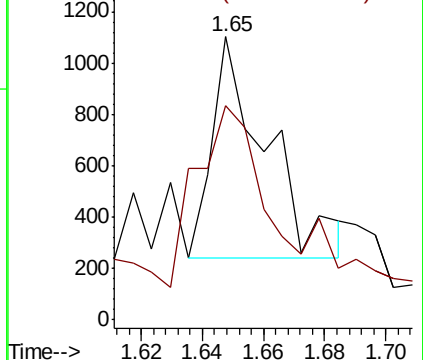
94 100

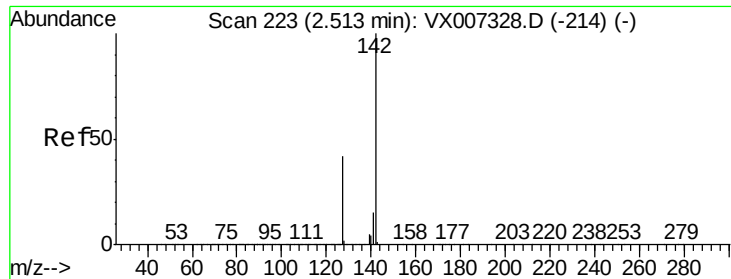
96 73.2 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

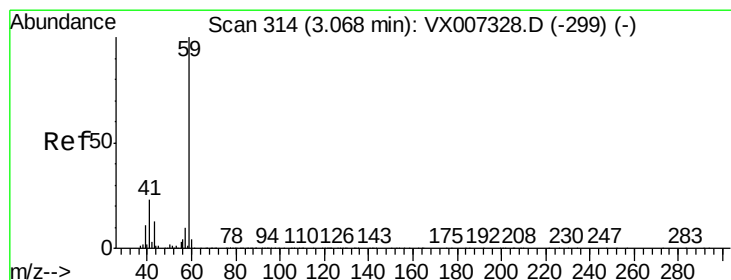
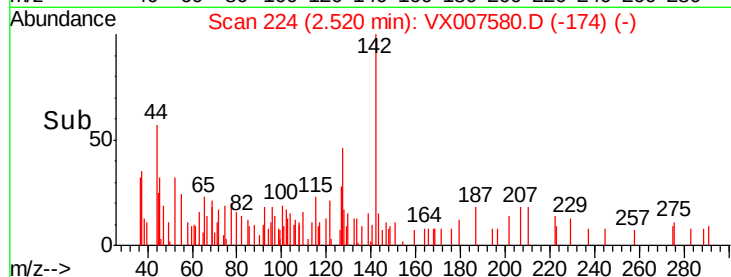
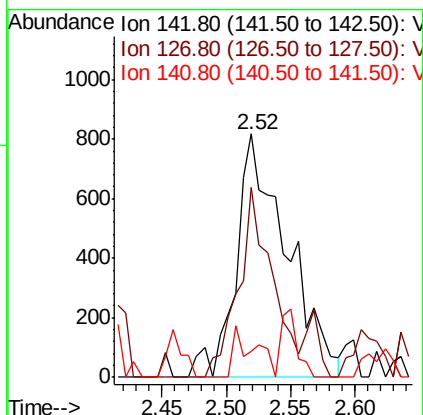
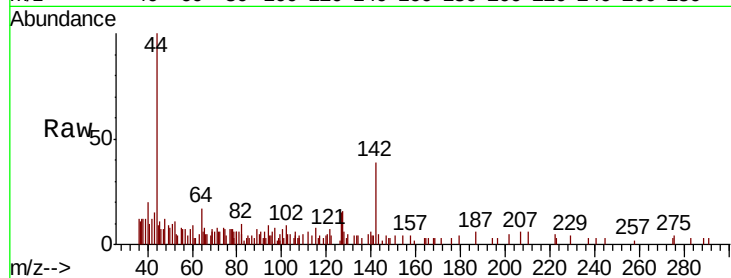




#10
Methyl Iodide
Concen: 0.296 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

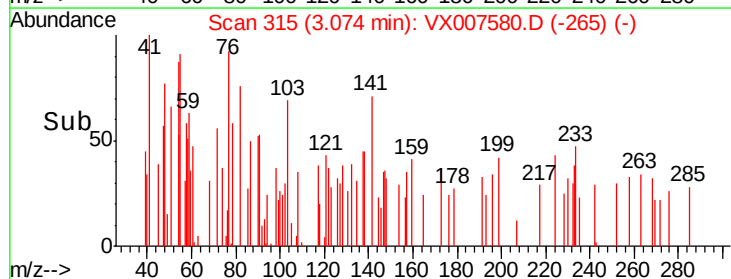
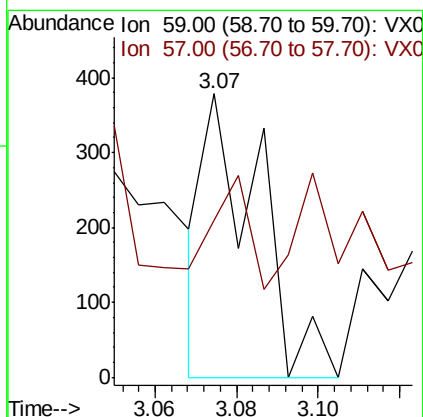
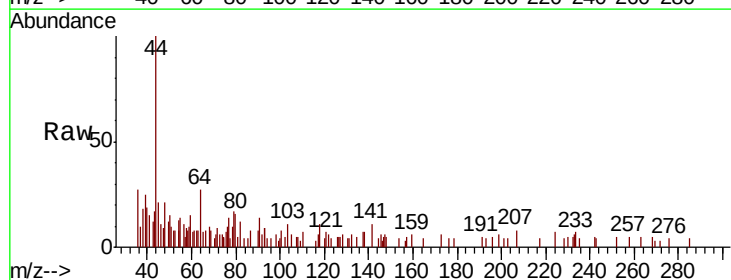
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

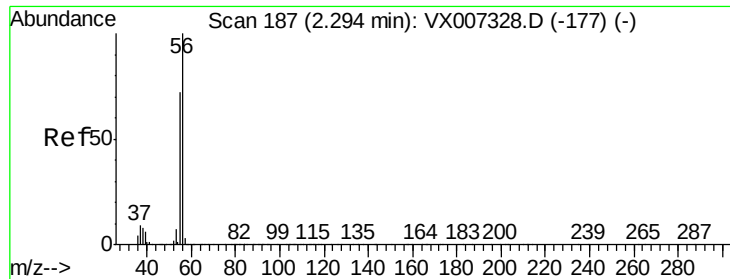
Tgt Ion: 142 Resp: 2222
Ion Ratio Lower Upper
142 100
127 52.1 33.7 50.5#
141 8.8 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.323 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 41.1 8.1 12.1#





#13

Acrolein

Concen: 0.735 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX007580.D

Acq: 18 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

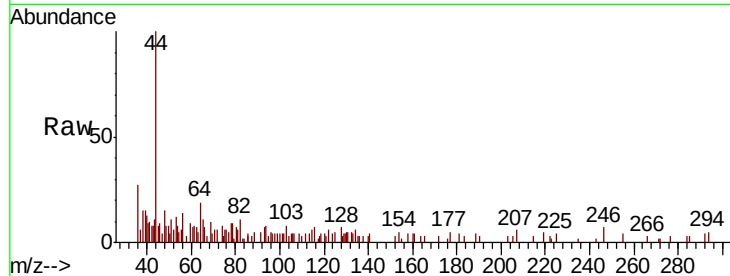
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 56 Resp: 376

Ion Ratio Lower Upper

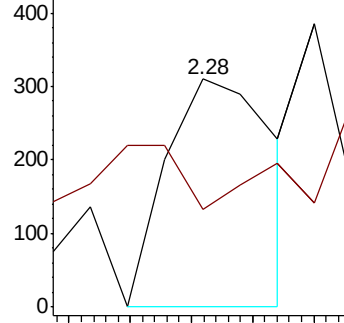
56 100

55 21.5 56.9 85.3#

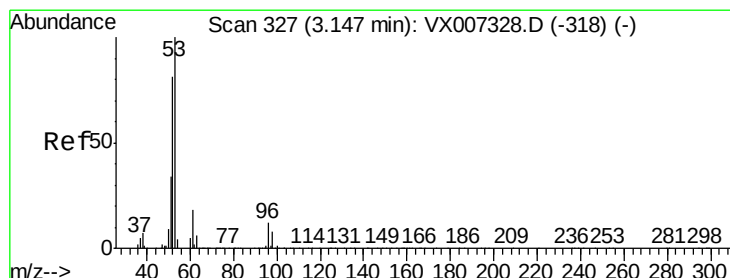
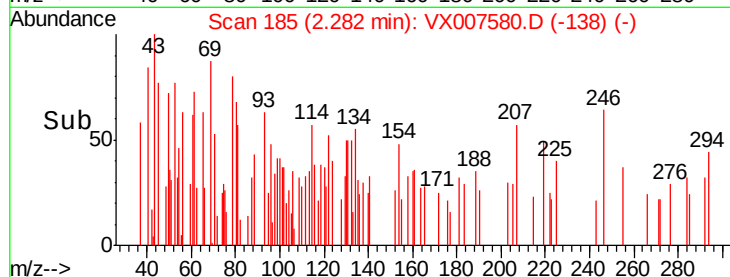


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.554 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007580.D

Acq: 18 Feb 2019 11:32

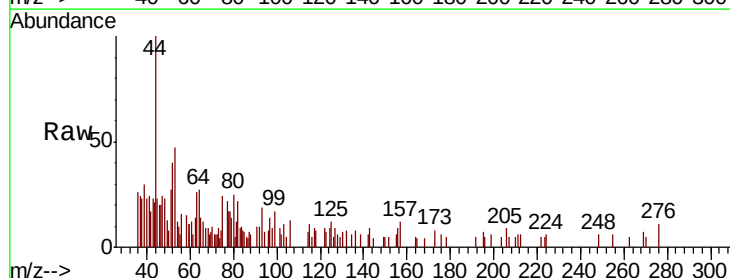
Tgt Ion: 53 Resp: 1495

Ion Ratio Lower Upper

53 100

52 40.1 66.4 99.6#

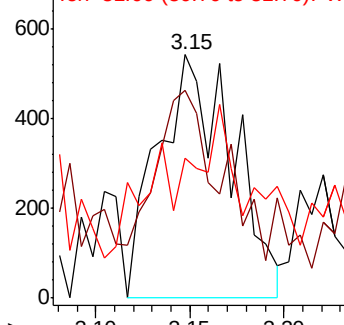
51 19.9 28.4 42.6#



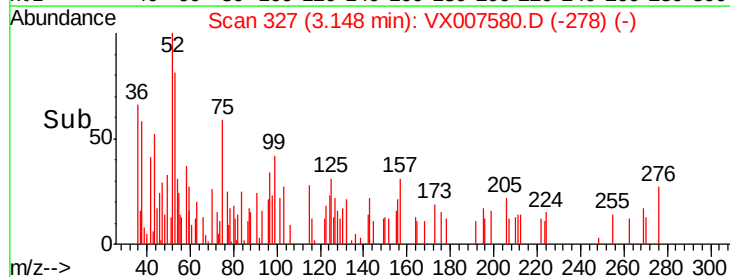
Abundance Ion 53.00 (52.70 to 53.70): VX0

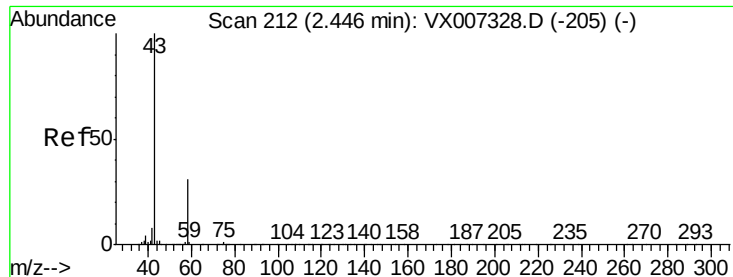
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->

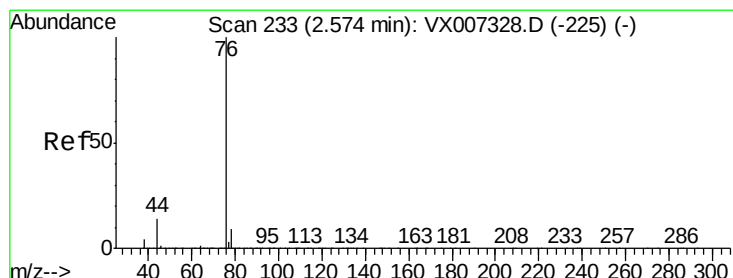
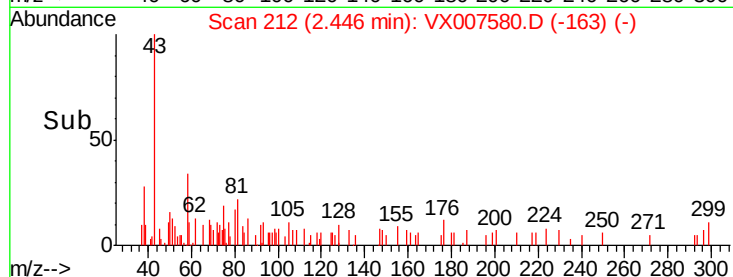
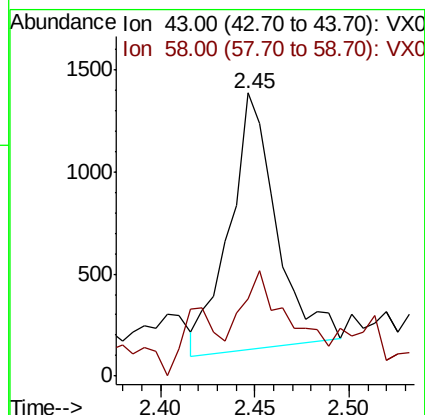
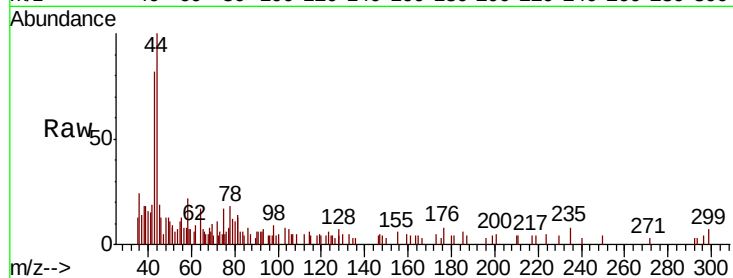




#16
Acetone
Concen: 0.901 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

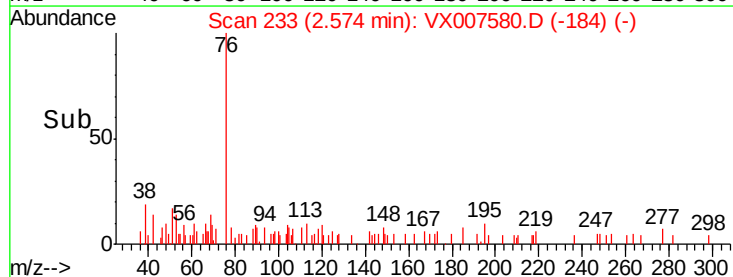
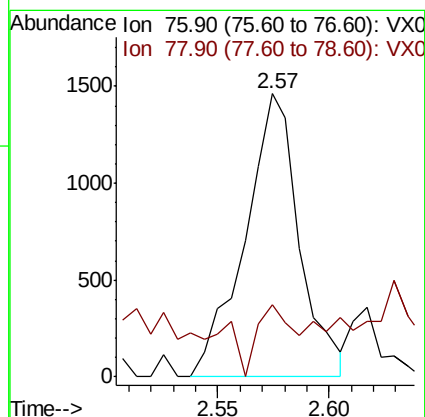
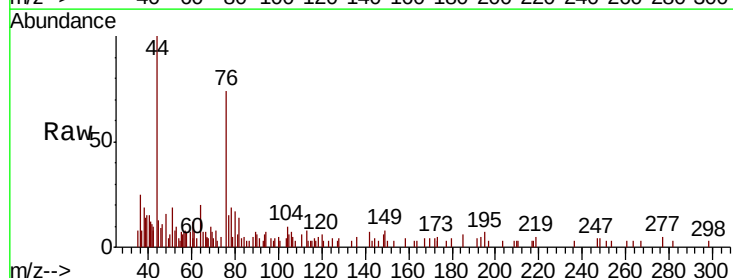
Instrument :
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ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

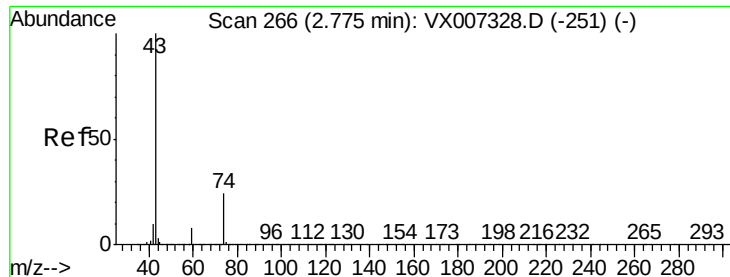
Tgt Ion: 43 Resp: 2176
Ion Ratio Lower Upper
43 100
58 12.3 24.9 37.3#



#17
Carbon Disulfide
Concen: 2.314 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

Tgt Ion: 76 Resp: 2493
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

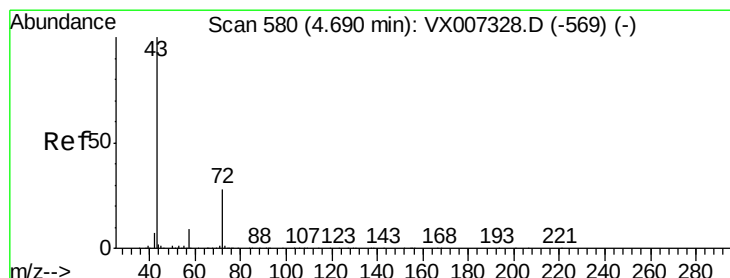
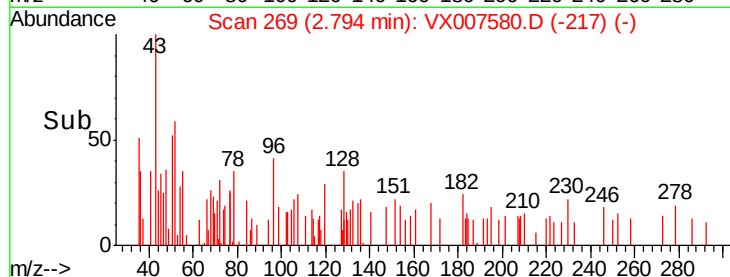
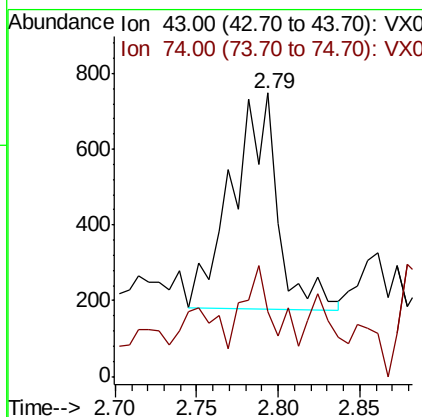
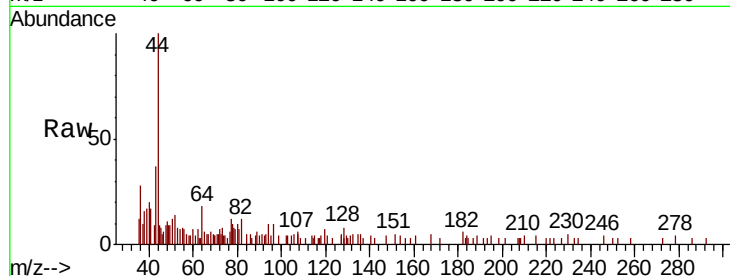




#18
Methyl Acetate
Concen: 0.768 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

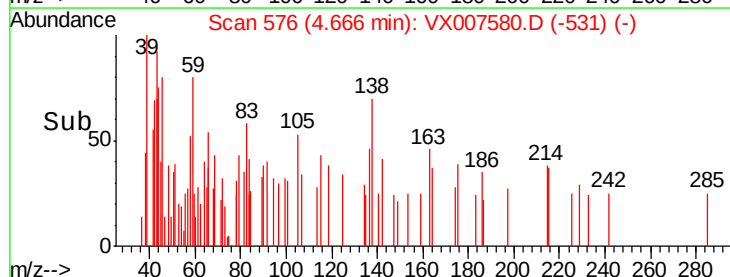
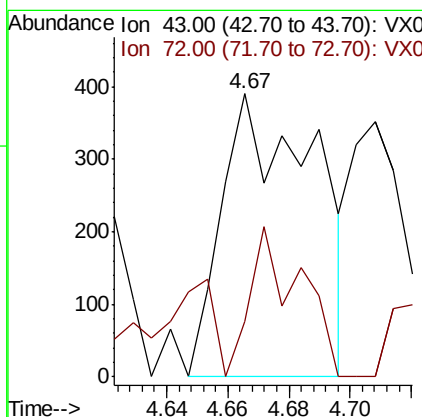
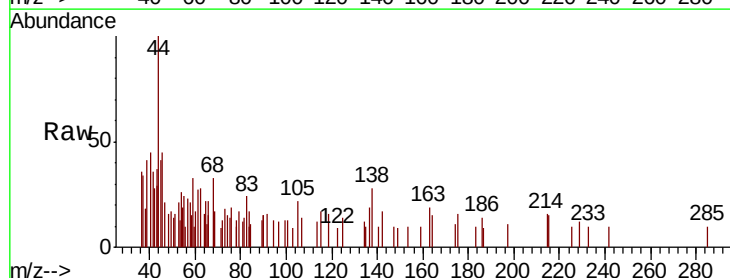
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STORAGE-BLANK-SOIL-REF-6

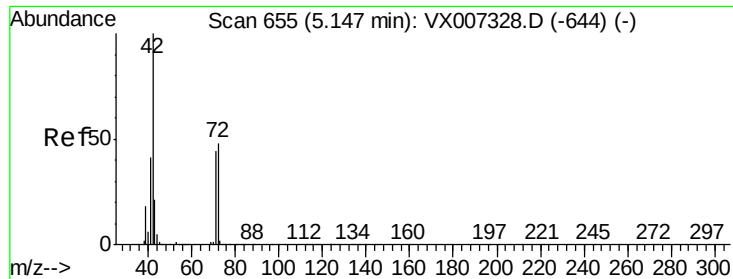
Tgt Ion: 43 Resp: 1111
Ion Ratio Lower Upper
43 100
74 31.7 19.4 29.2#



#25
2-Butanone
Concen: 0.238 ug/l
RT: 4.67 min Scan# 576
Delta R.T. -0.02 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
72 6.4 22.2 33.2#

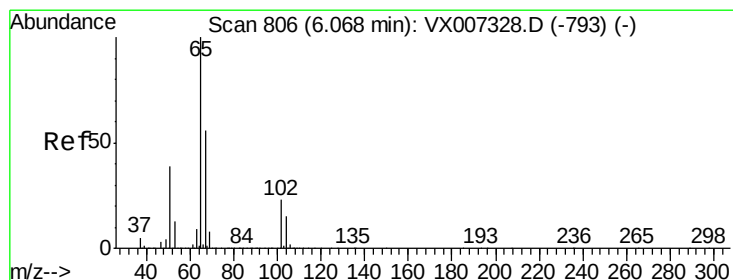
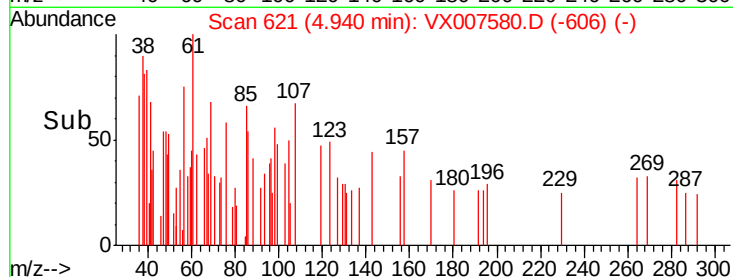
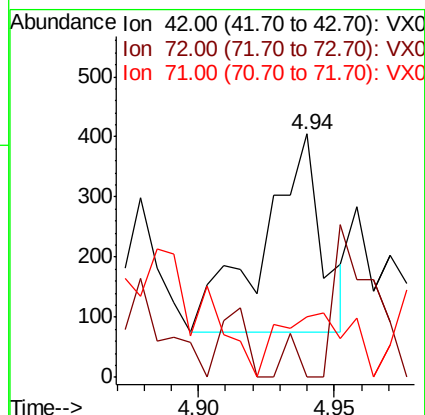
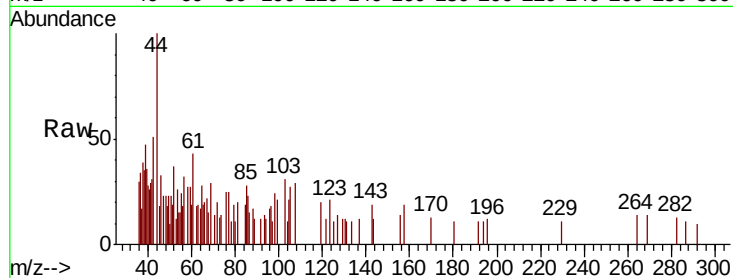




#29
Tetrahydrofuran
Concen: 0.227 ug/l
RT: 4.94 min Scan# 621
Delta R.T. -0.21 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

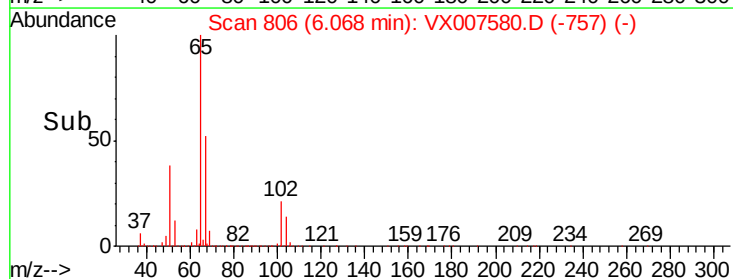
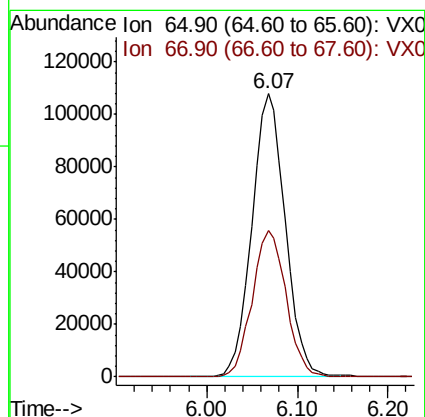
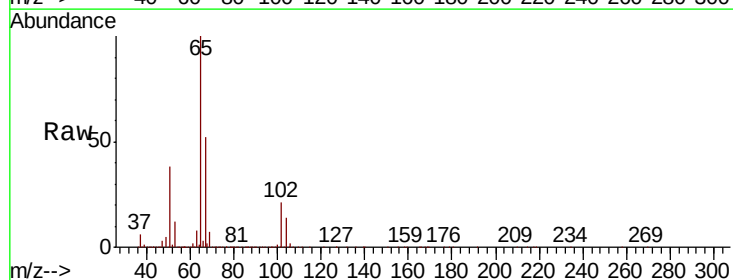
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

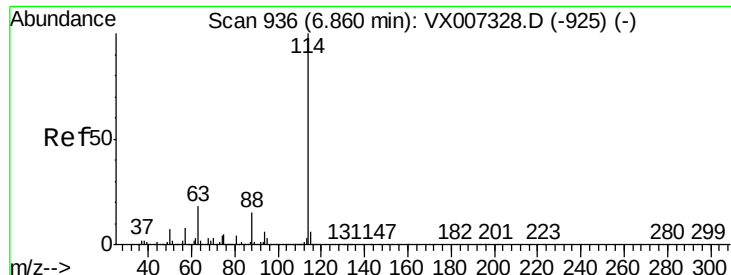
Tgt Ion: 42 Resp: 490
Ion Ratio Lower Upper
42 100
72 55.7 37.6 56.4
71 40.2 34.6 51.8



#33
1,2-Dichloroethane-d4
Concen: 52.129 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

Tgt Ion: 65 Resp: 274884
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.8

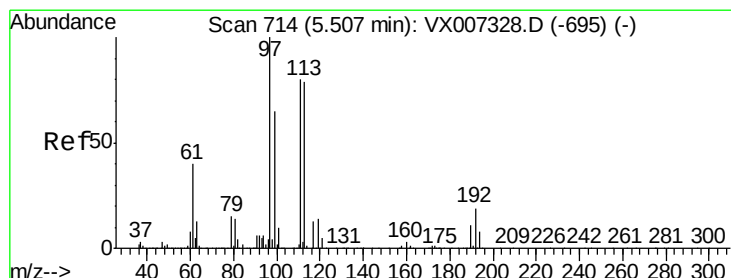
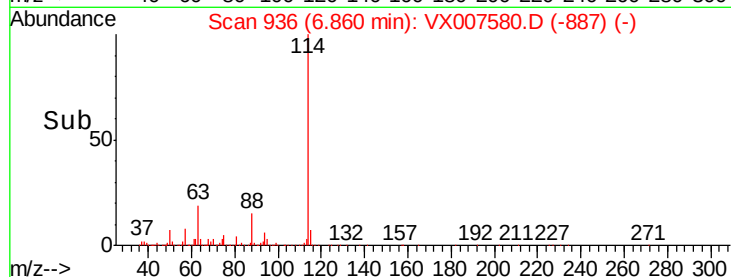
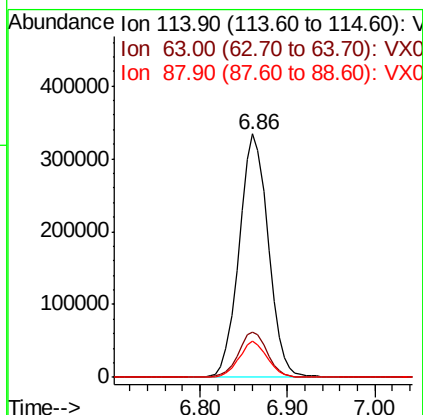
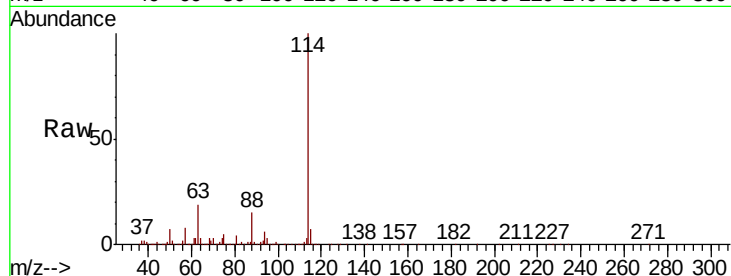




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007580.D
 Acq: 18 Feb 2019 11:32

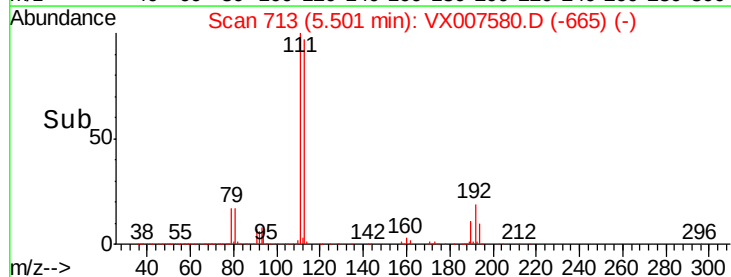
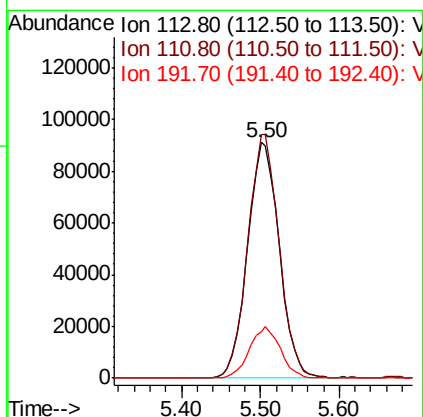
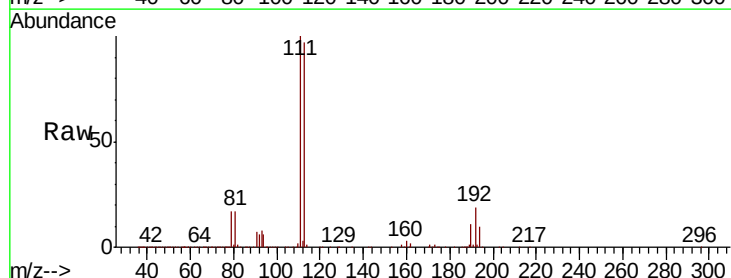
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

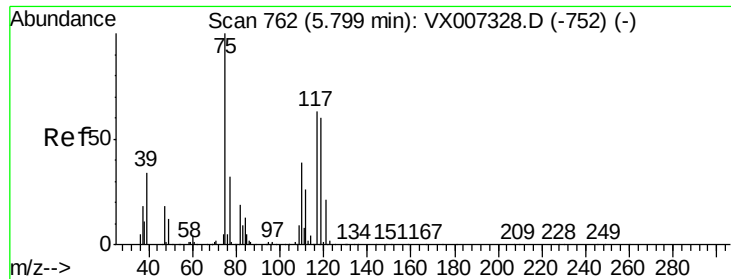
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	35.6
88	14.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.647 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007580.D
 Acq: 18 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.8
192	21.5	18.5	27.7

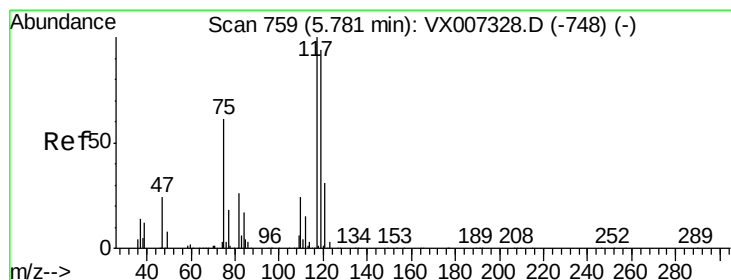
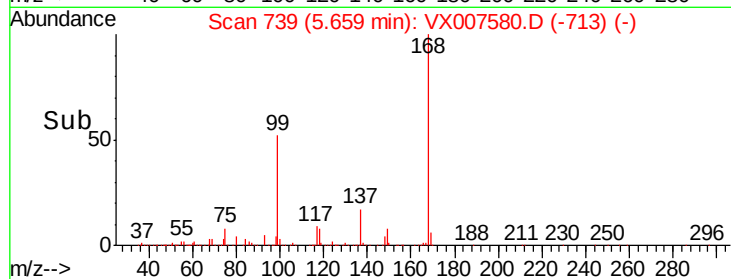
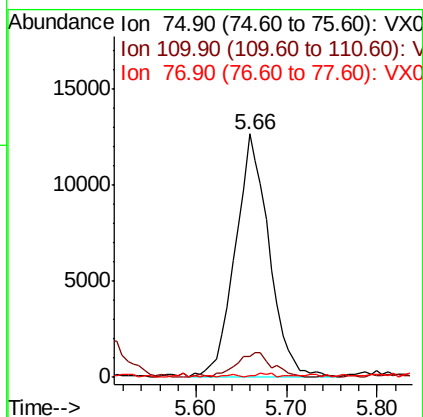
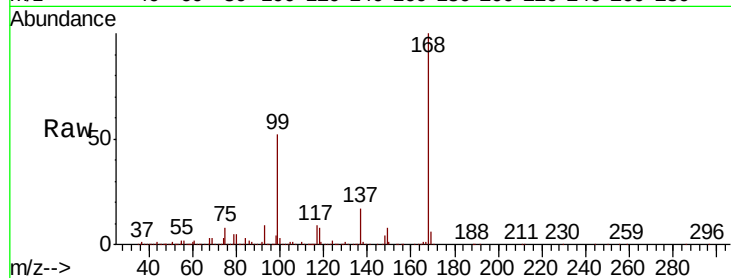




#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007580.D
 Acq: 18 Feb 2019 11:32

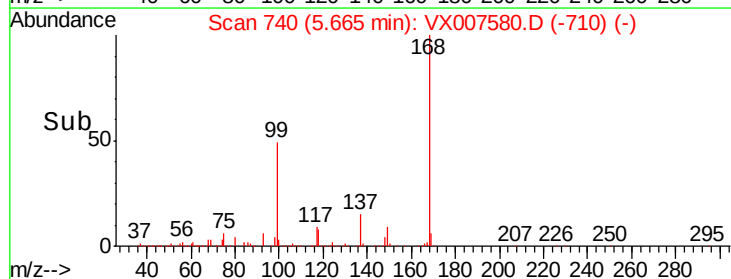
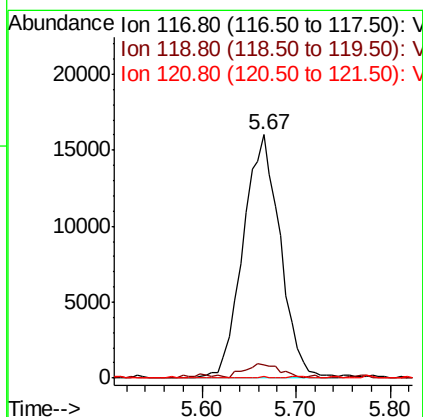
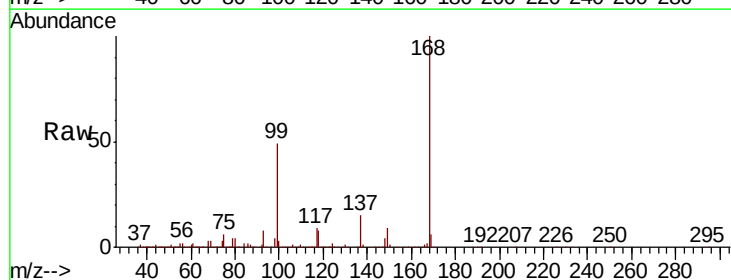
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

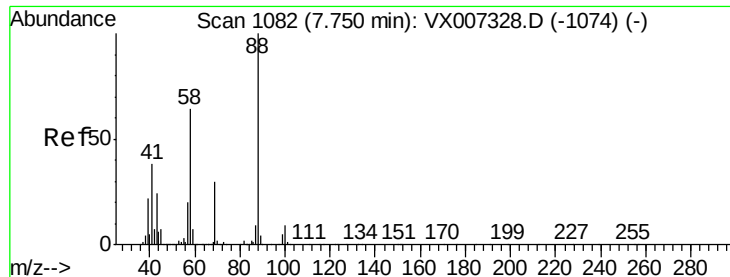
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.0	59.9#
77	0.5	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.547 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007580.D
 Acq: 18 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.3	112.9#
121	0.5	25.0	37.4#

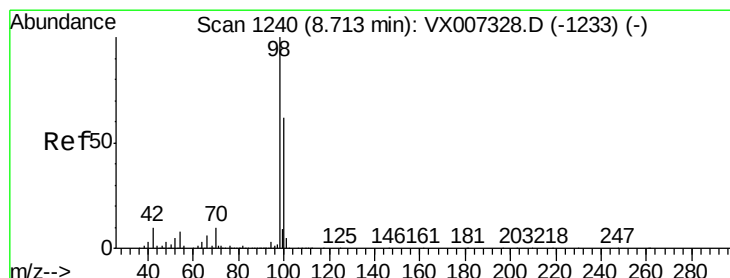
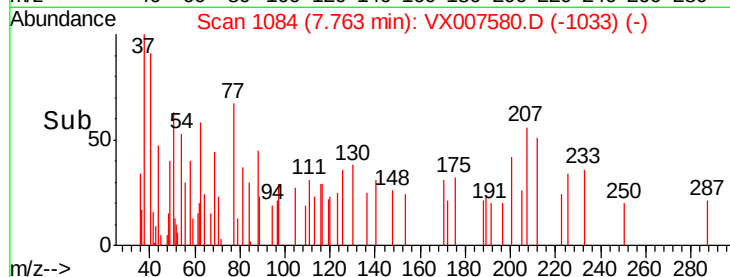
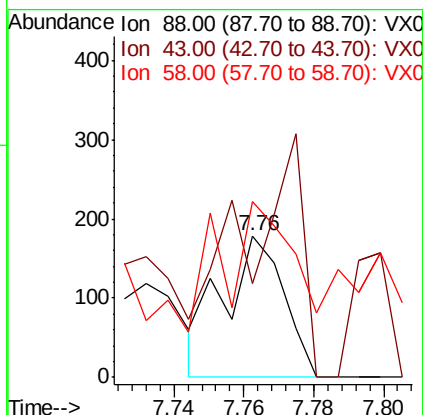
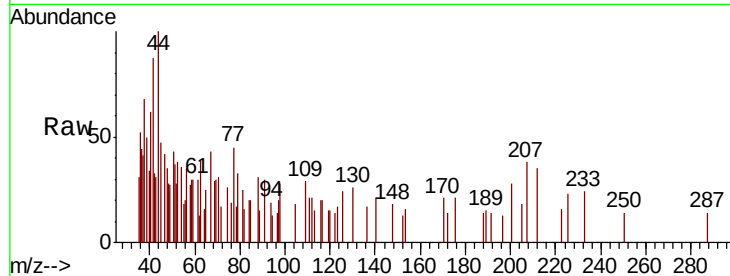




#49
1,4-Dioxane
Concen: 8.605 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

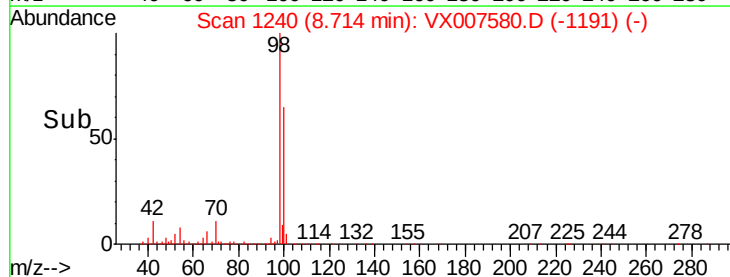
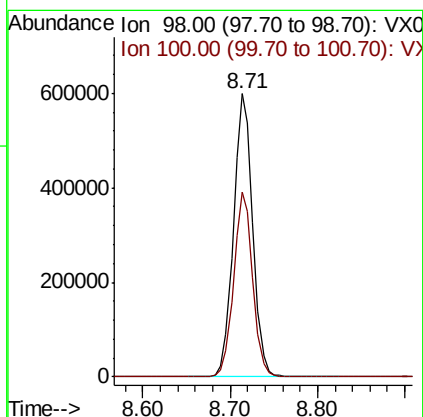
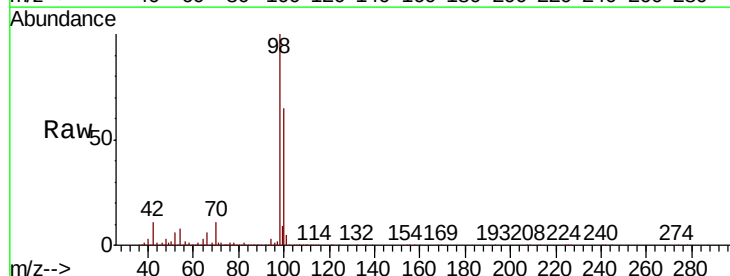
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

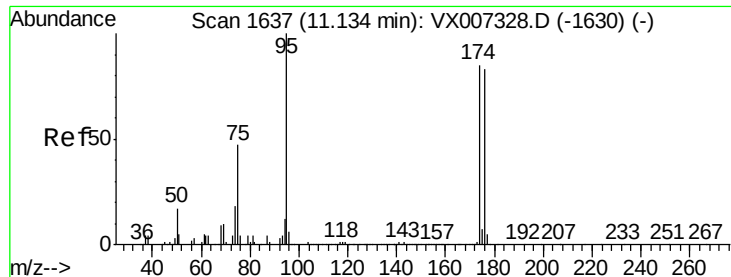
Tgt Ion: 88 Resp: 214
Ion Ratio Lower Upper
88 100
43 169.2 24.2 36.4#
58 103.3 53.0 79.4#



#50
Toluene-d8
Concen: 49.118 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

Tgt Ion: 98 Resp: 916912
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

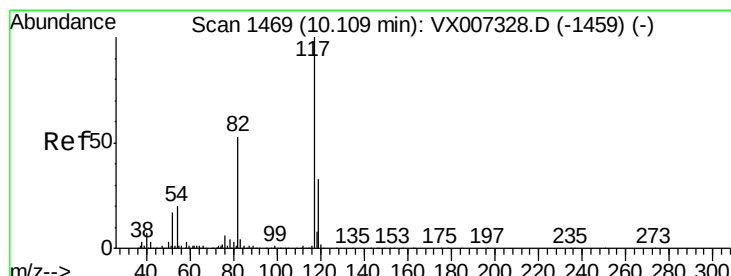
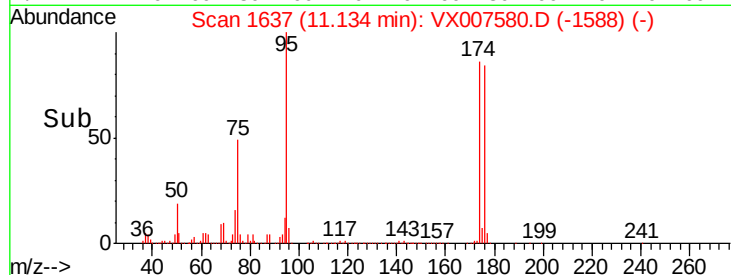
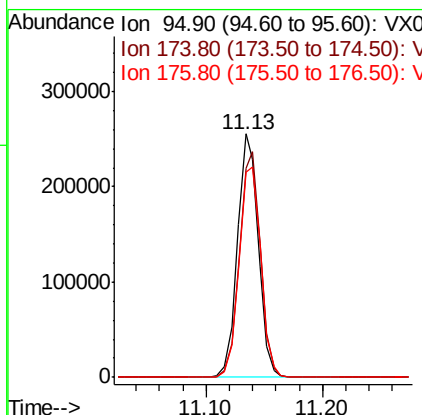
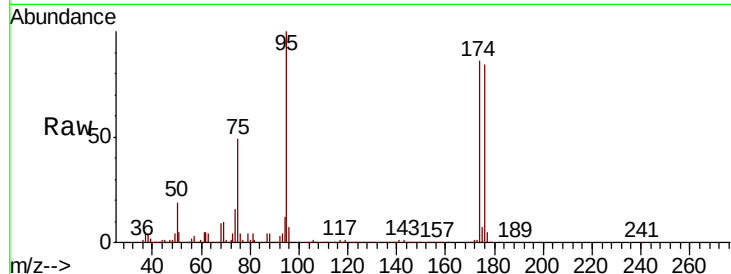




#62
4-Bromofluorobenzene
Concen: 46.750 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

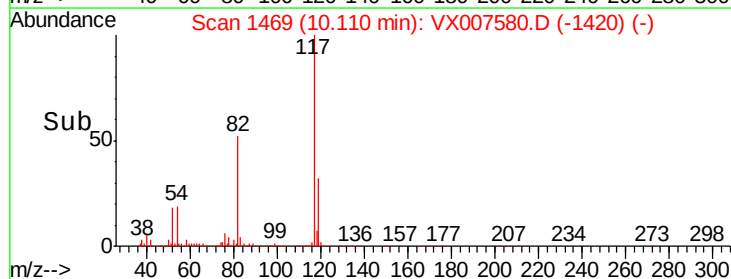
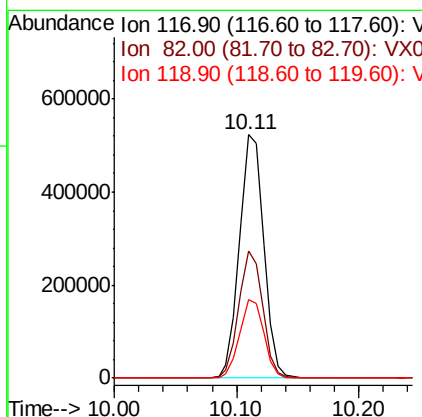
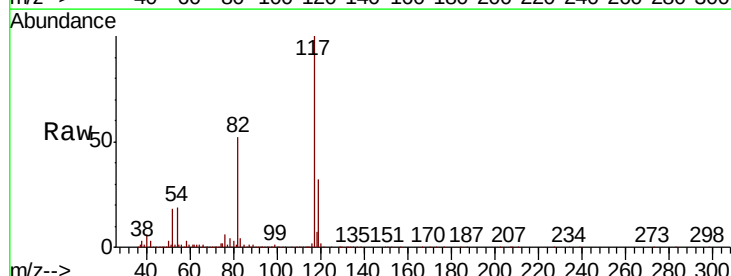
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

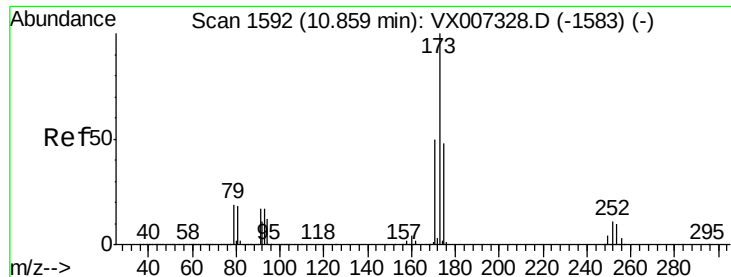
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	318628		
174	94.2	0.0	189.2	
176	90.6	0.0	186.2	



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007580.D
Acq: 18 Feb 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	721262		
82	52.3	42.1	63.1	
119	32.4	26.5	39.7	





#71

Bromoform

Concen: 4.056 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007580.D

Acq: 18 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

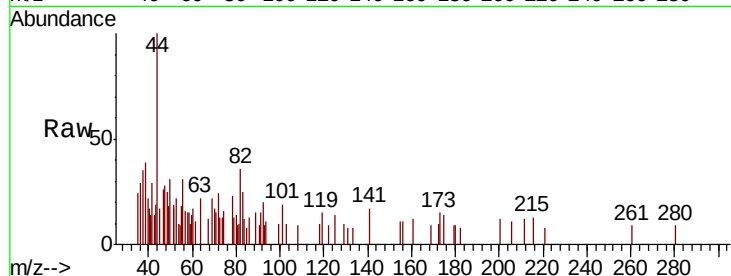
Tgt Ion:173 Resp: 132

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

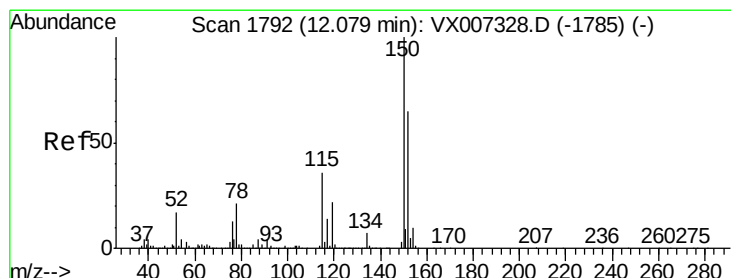
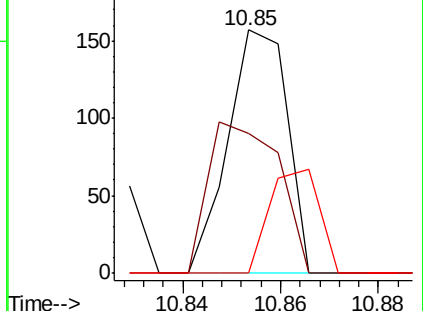
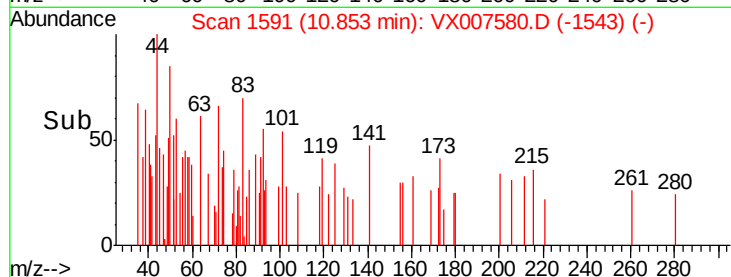
254 35.6 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007580.D

Acq: 18 Feb 2019 11:32

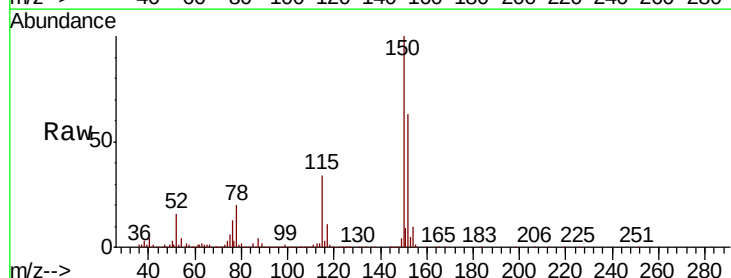
Tgt Ion:152 Resp: 337963

Ion Ratio Lower Upper

152 100

115 55.2 38.0 114.0

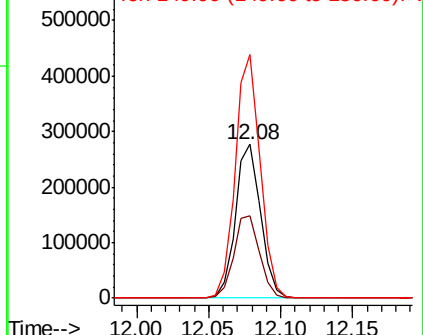
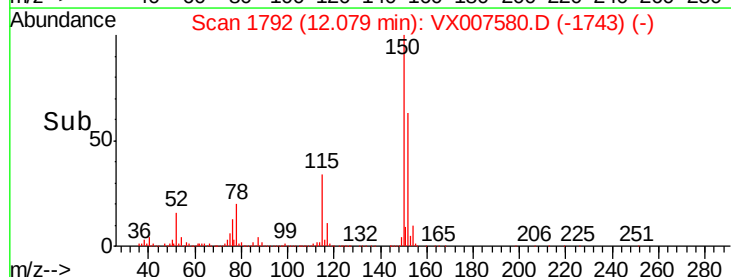
150 157.2 0.0 346.4

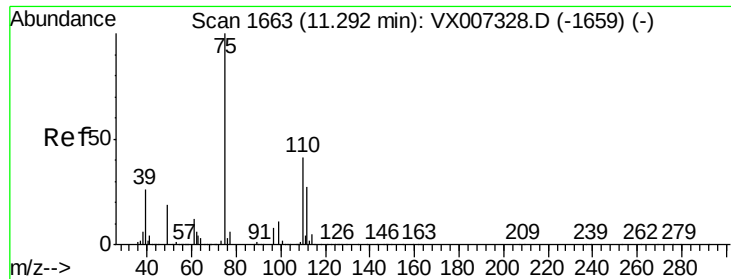


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.607 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007580.D

Acq: 18 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

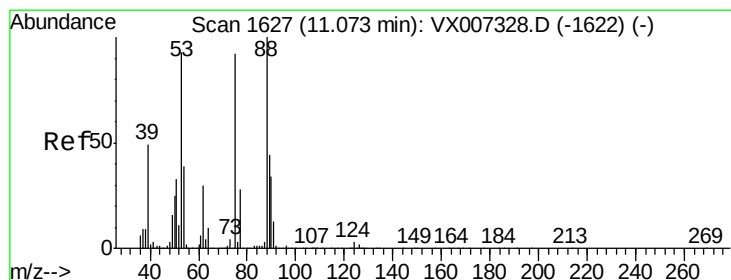
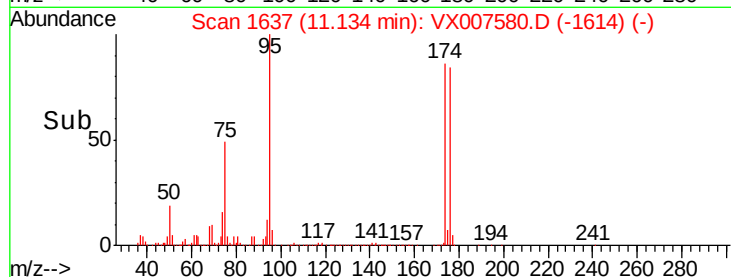
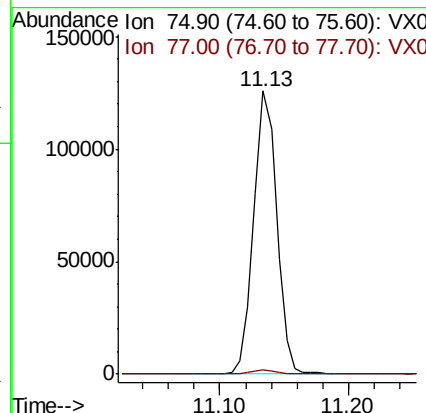
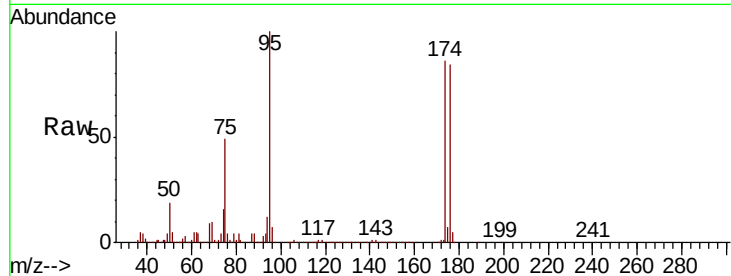
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 155188

Ion Ratio Lower Upper

75 100

77 1.6 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.025 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007580.D

Acq: 18 Feb 2019 11:32

Tgt Ion: 75 Resp: 155188

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.0 41.4 62.0#

