

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010743.D
 Acq On : 09 Jul 2019 12:17
 Operator : JC/SP
 Sample : K3692-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 10 02:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155569	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	114815	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
35) Dibromofluoromethane	5.50	113	111477	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	8.71	98	427473	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.13	95	145253	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

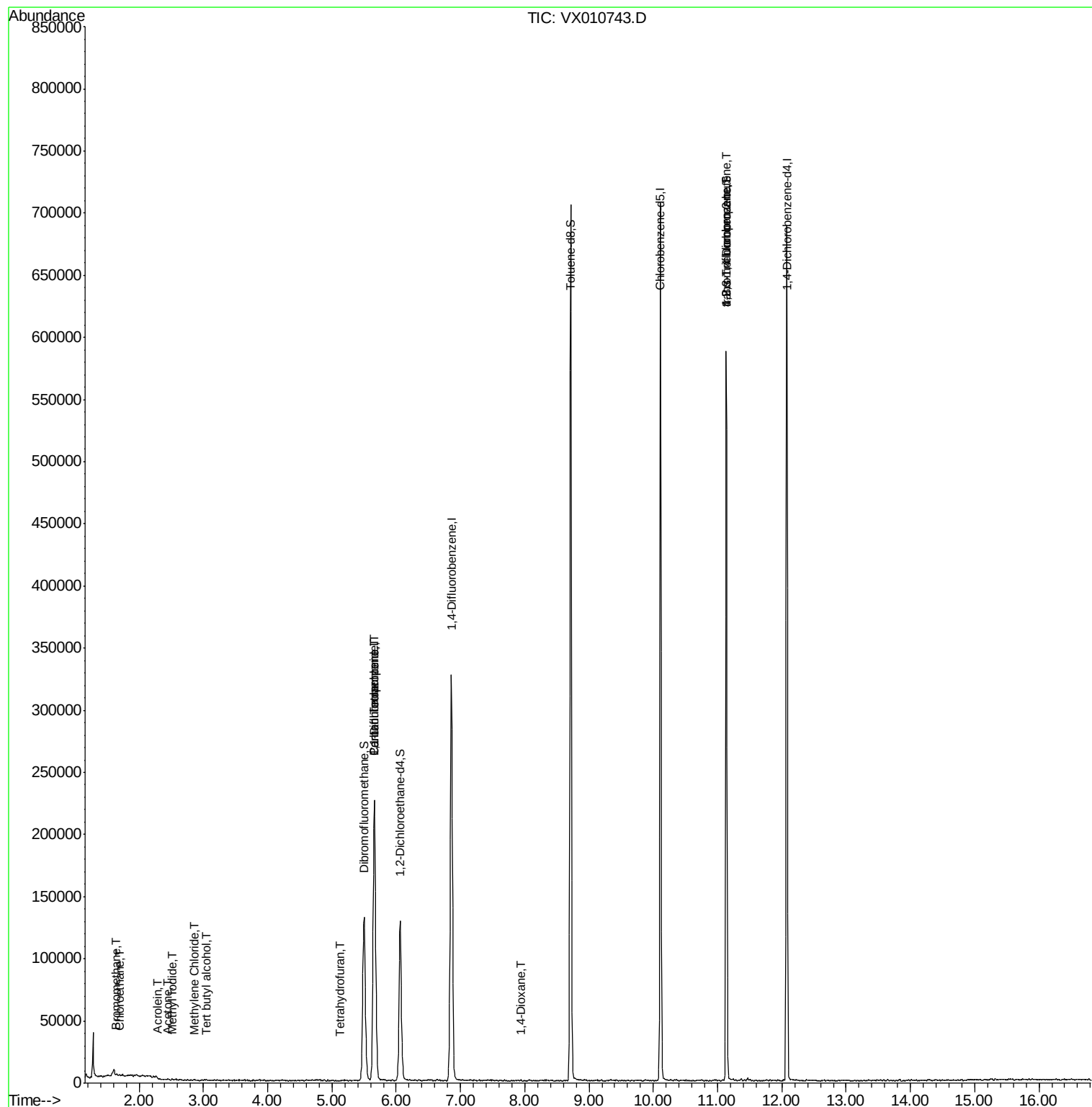
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	798	0.806	ug/l	99
6) Chloroethane	1.70	64	652	0.544	ug/l #	53
10) Methyl Iodide	2.52	142	923	0.331	ug/l #	90
11) Tert butyl alcohol	3.05	59	548	0.975	ug/l #	91
13) Acrolein	2.29	56	277	0.743	ug/l	85
16) Acetone	2.45	43	642	0.596	ug/l #	78
20) Methylene Chloride	2.85	84	471	0.213	ug/l #	71
29) Tetrahydrofuran	5.13	42	420	0.429	ug/l #	44
36) 1,1-Dichloropropene	5.66	75	14627	5.151	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20572	6.690	ug/l #	15
49) 1,4-Dioxane	7.93	88	19	0.294	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70879	25.003	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70879	58.328	ug/l #	16

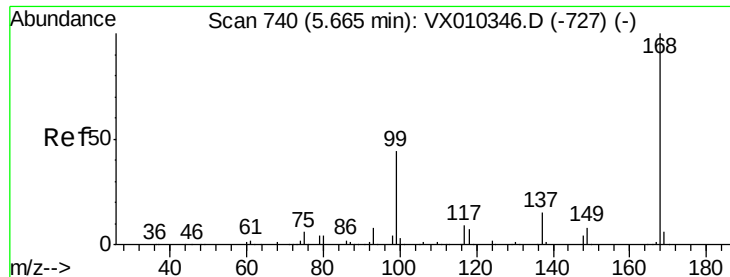
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010743.D

Acq: 09 Jul 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

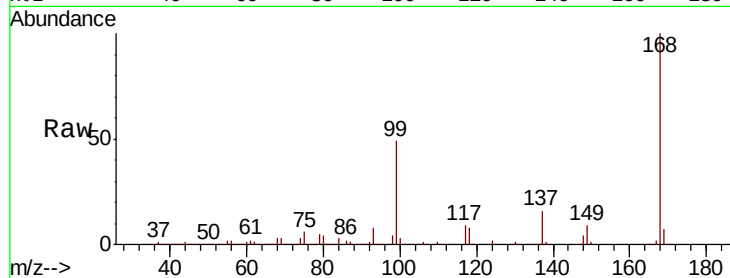
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 229180

Ion Ratio Lower Upper

168 100

99 48.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

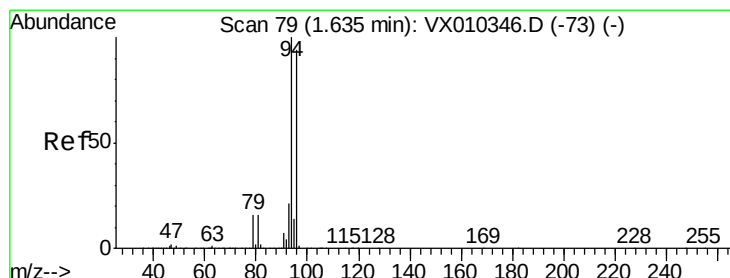
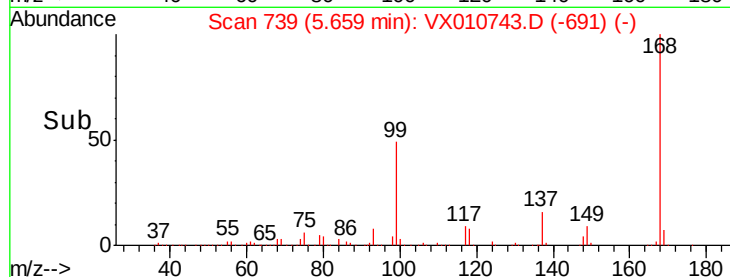
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.806 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010743.D

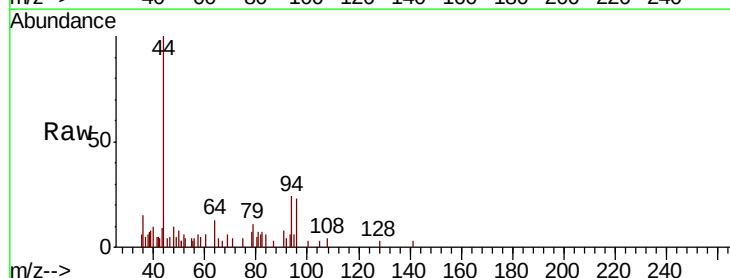
Acq: 09 Jul 2019 12:17

Tgt Ion: 94 Resp: 798

Ion Ratio Lower Upper

94 100

96 95.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

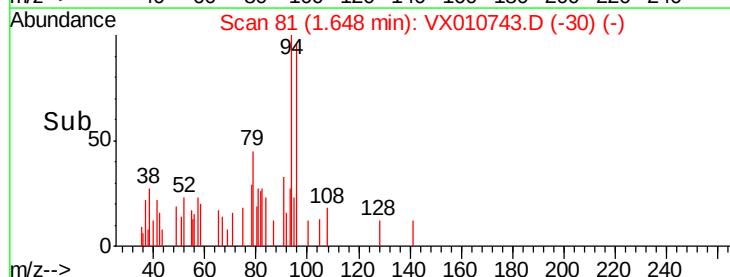
300

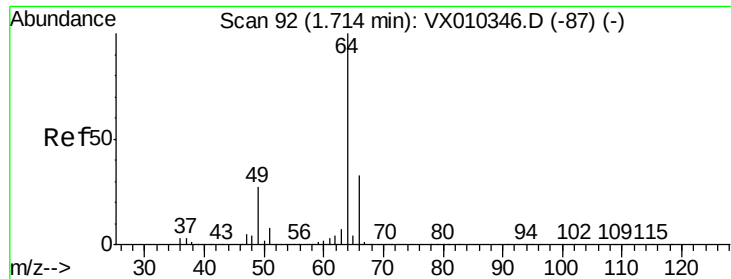
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.544 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010743.D

Acq: 09 Jul 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

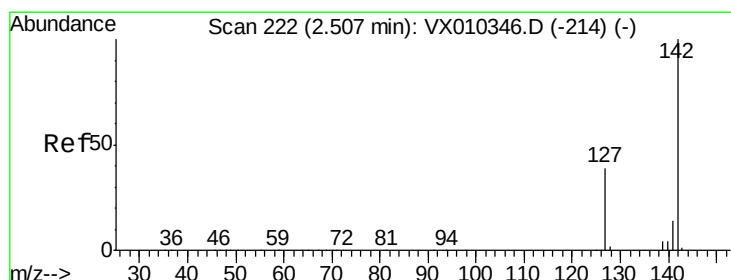
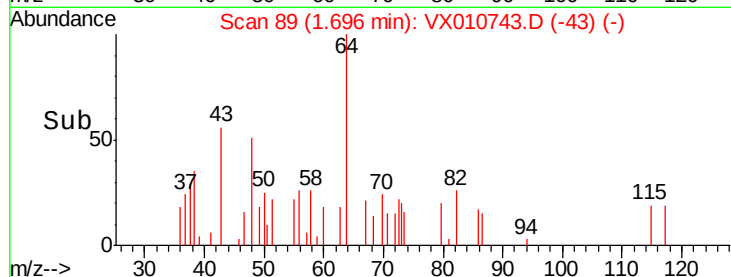
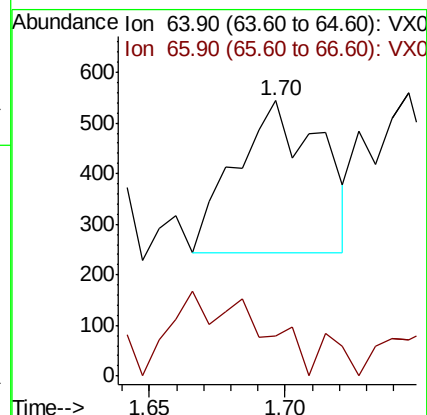
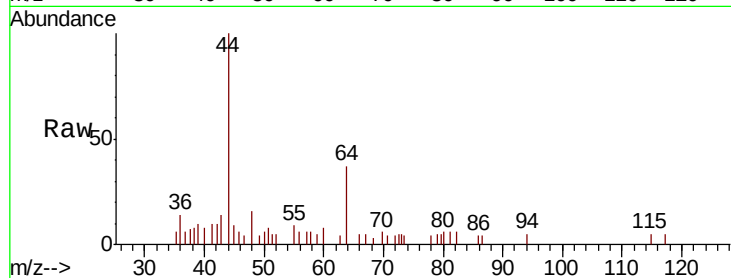
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 64 Resp: 652

Ion Ratio Lower Upper

64 100

66 6.6 26.6 40.0#



#10

Methyl Iodide

Concen: 0.331 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010743.D

Acq: 09 Jul 2019 12:17

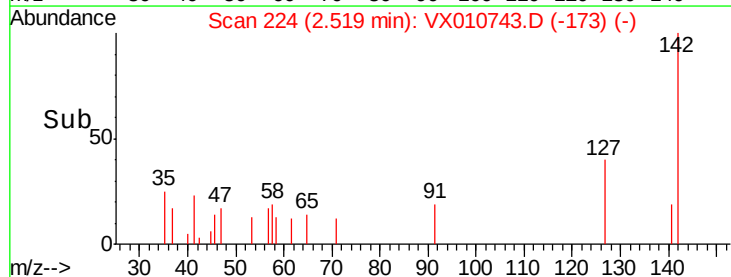
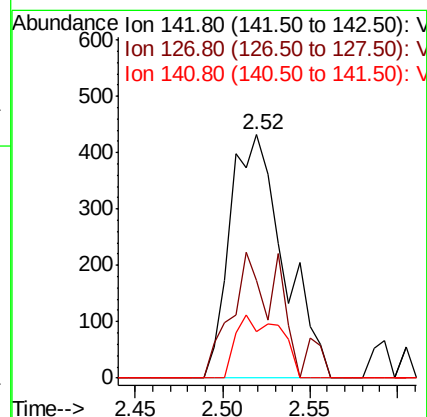
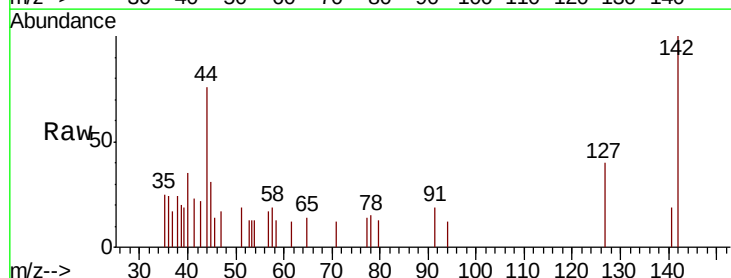
Tgt Ion: 142 Resp: 923

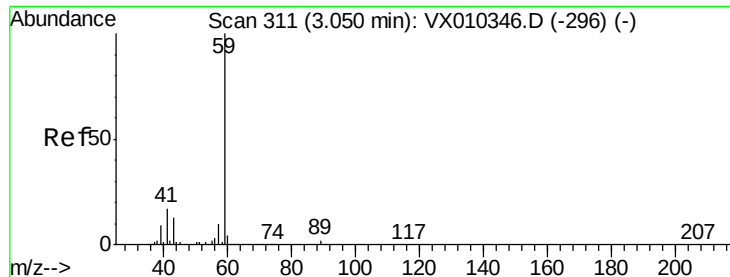
Ion Ratio Lower Upper

142 100

127 43.0 31.1 46.7

141 21.2 11.2 16.8#



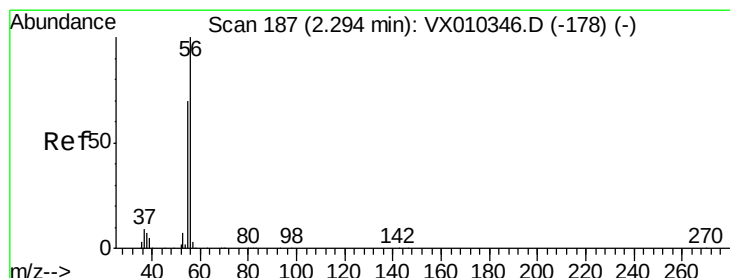
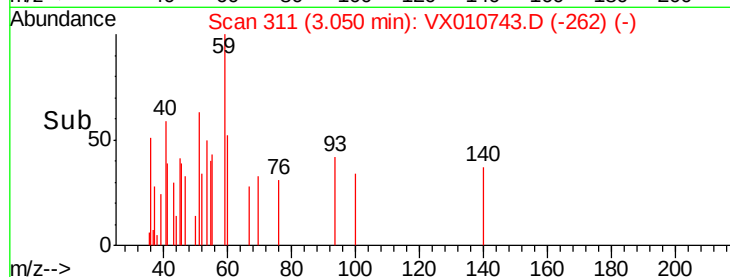
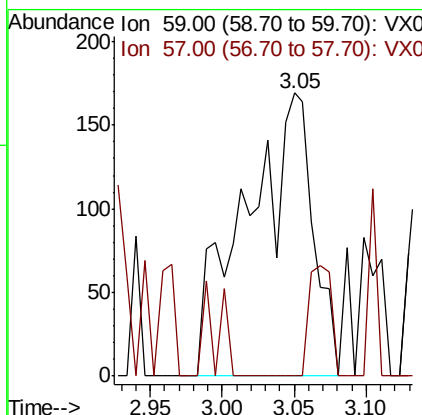
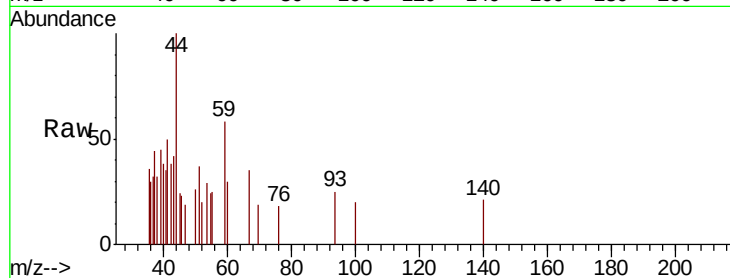


#11

Tert butyl alcohol
 Concen: 0.975 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX010743.D
 Acq: 09 Jul 2019 12:17

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

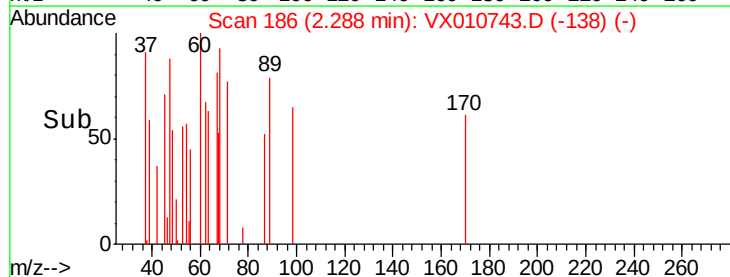
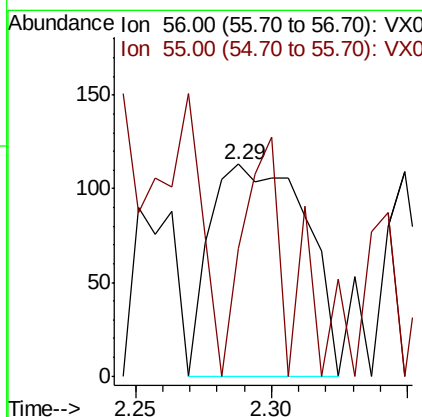
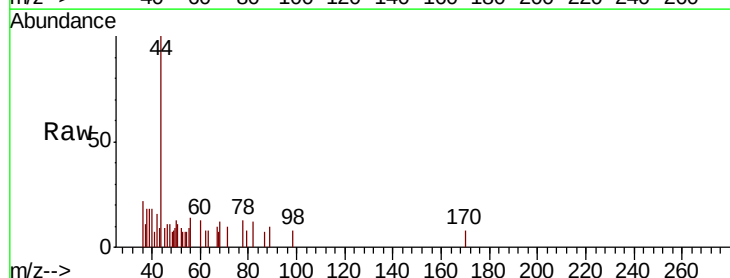
Tot Ion: 59 Resp: 548
 Ion Ratio Lower Upper
 59 100
 57 12.8 7.7 11.5#

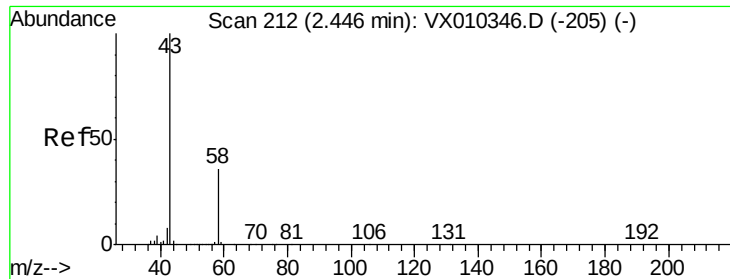


#13

Acrolein
 Concen: 0.743 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010743.D
 Acq: 09 Jul 2019 12:17

Tgt Ion: 56 Resp: 277
 Ion Ratio Lower Upper
 56 100
 55 58.8 56.9 85.3

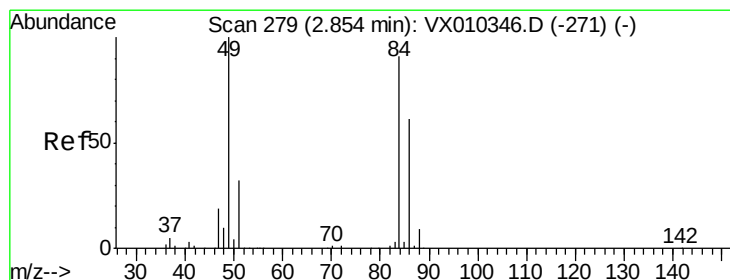
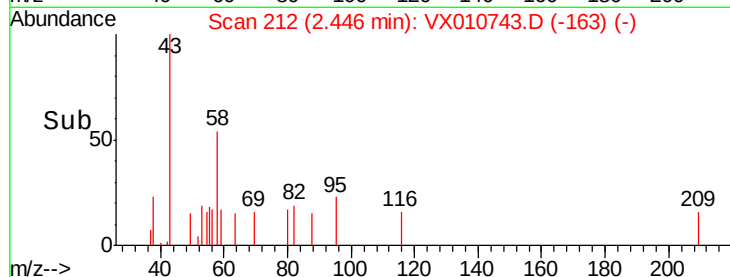
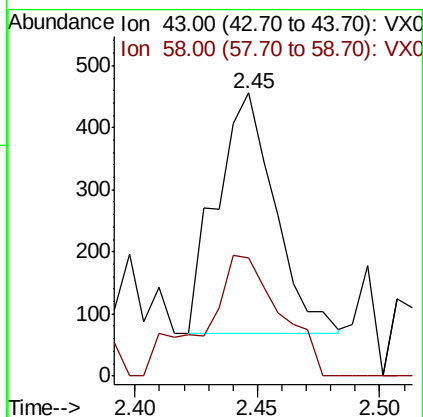
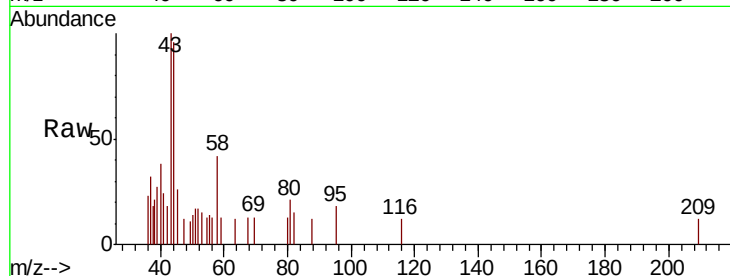




#16
Acetone
Concen: 0.596 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX010743.D
Acq: 09 Jul 2019 12:17

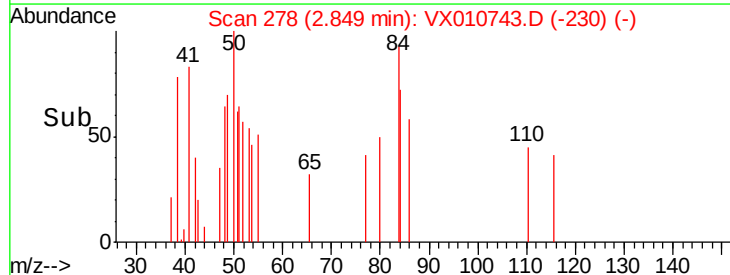
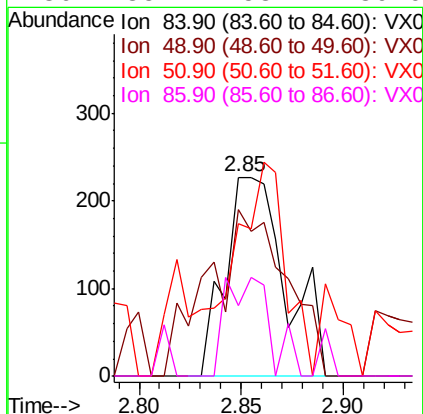
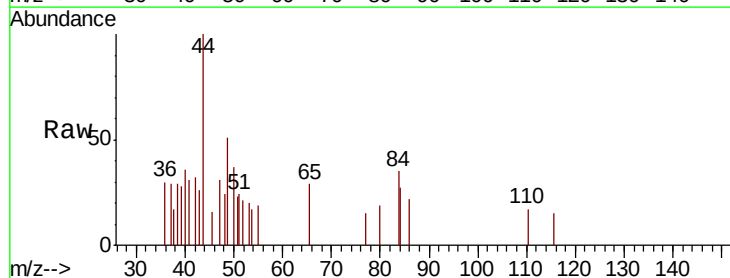
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

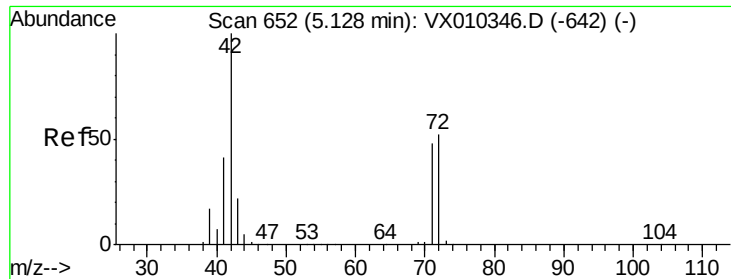
Tot Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
58 49.2 28.9 43.3#



#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX010743.D
Acq: 09 Jul 2019 12:17

Tgt Ion: 84 Resp: 471
Ion Ratio Lower Upper
84 100
49 83.7 87.5 131.3#
51 48.5 27.7 41.5#
86 35.2 53.4 80.0#

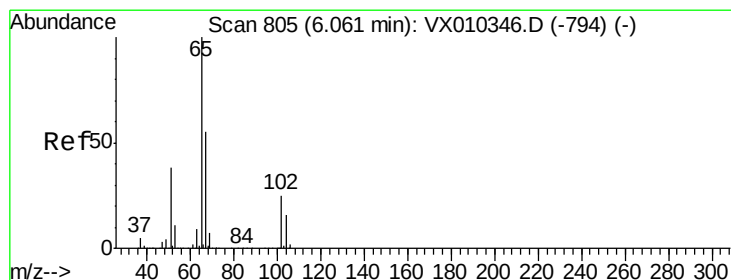
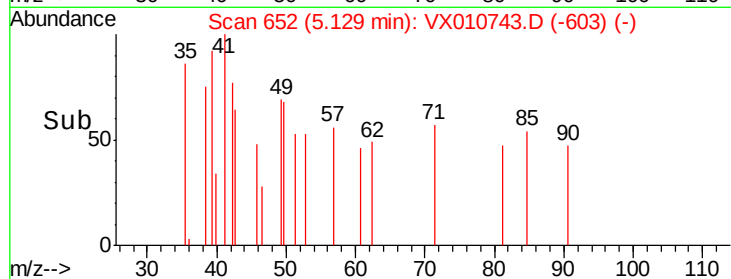
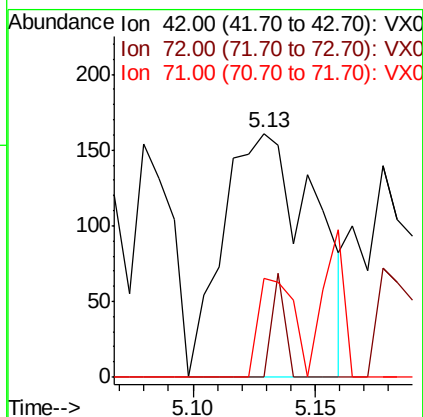
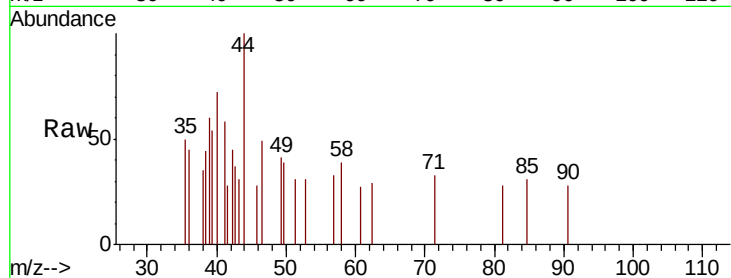




#29
Tetrahydrofuran
Concen: 0.429 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010743.D
Acq: 09 Jul 2019 12:17

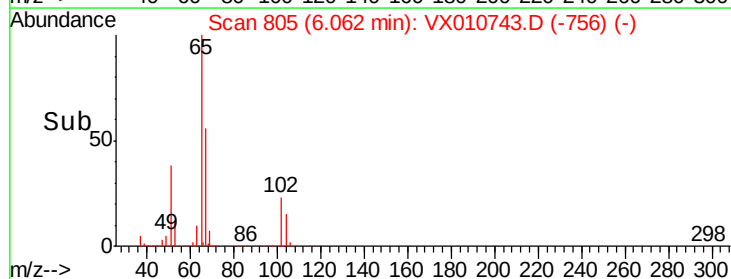
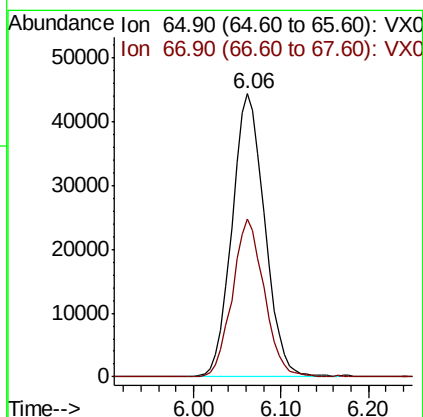
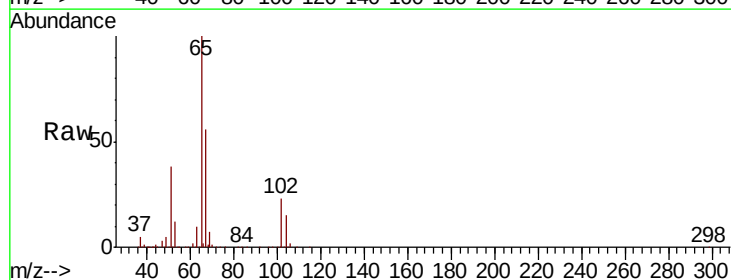
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

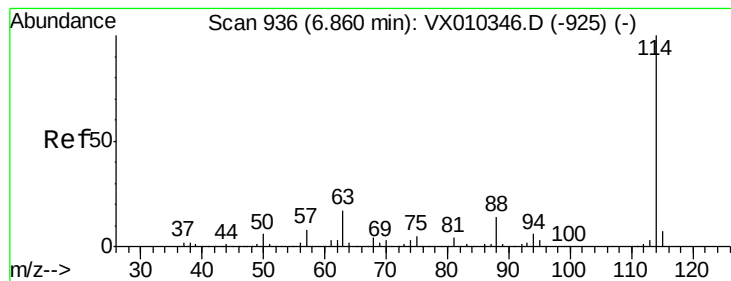
Tot Ion: 42 Resp: 420
Ion Ratio Lower Upper
42 100
72 6.0 40.6 60.8#
71 15.5 37.8 56.8#



#33
1,2-Dichloroethane-d4
Concen: 53.432 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010743.D
Acq: 09 Jul 2019 12:17

Tgt Ion: 65 Resp: 114815
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010743.D

Acq: 09 Jul 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

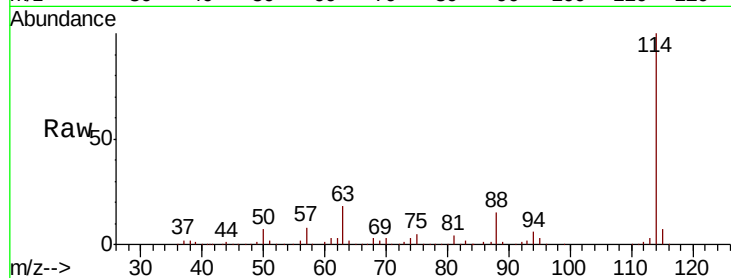
Tot Ion:114 Resp: 357375

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

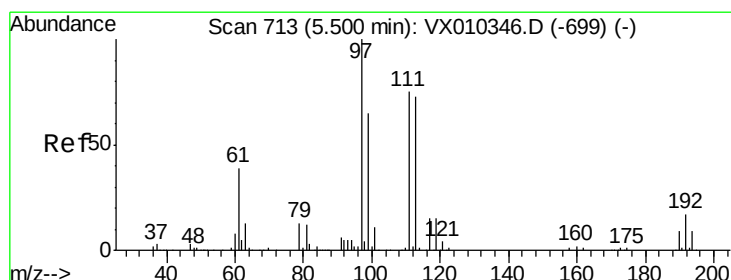
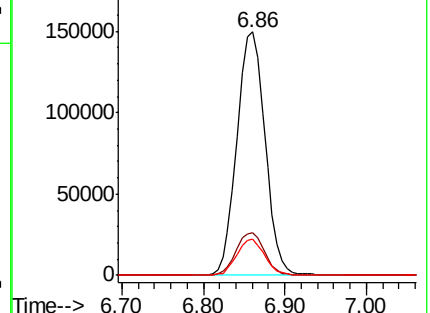
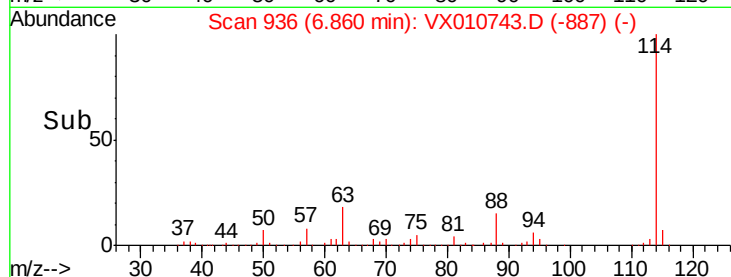
88 15.1 0.0 27.6



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: 50.983 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010743.D

Acq: 09 Jul 2019 12:17

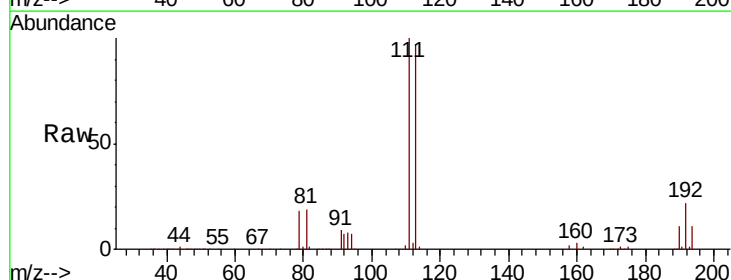
Tgt Ion:113 Resp: 111477

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

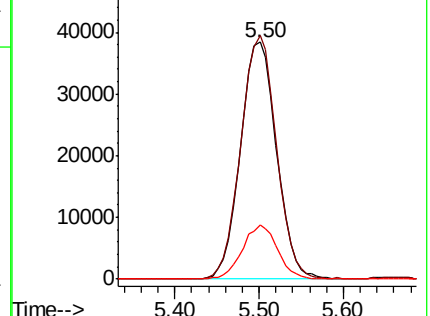
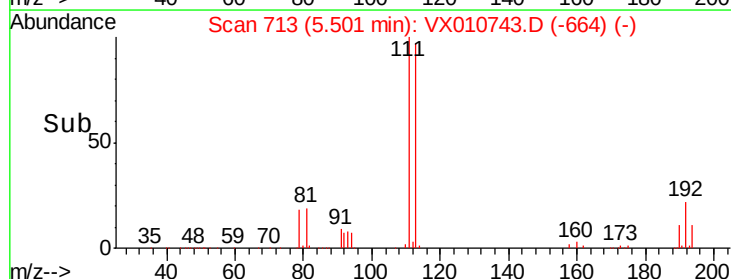
192 22.1 18.6 27.8

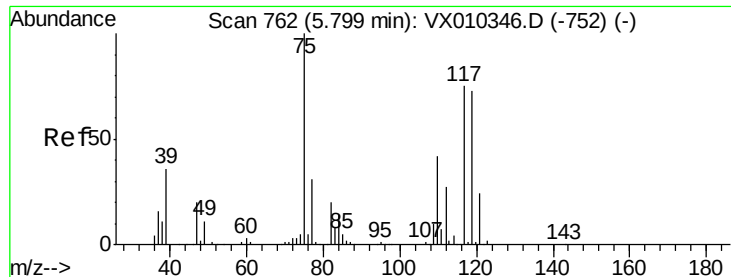


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

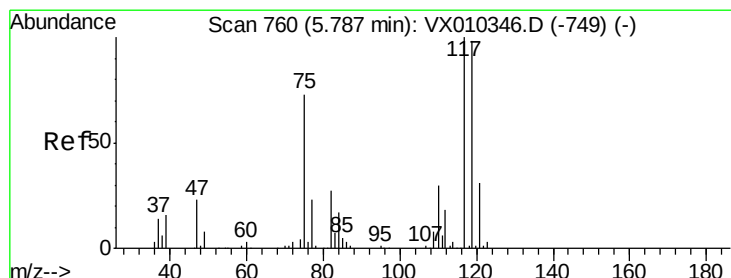
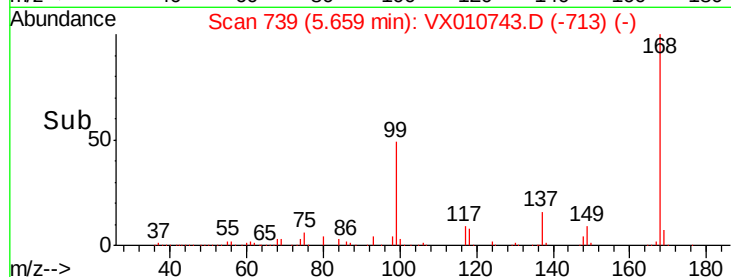
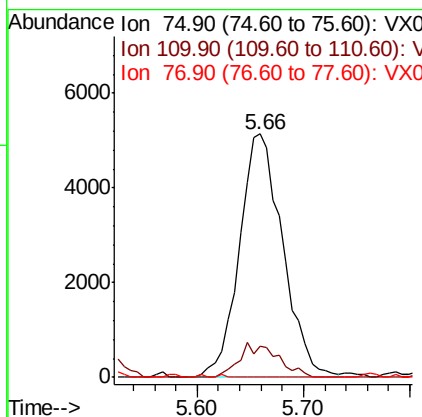
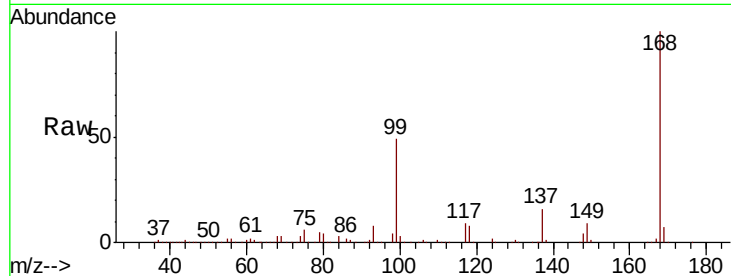




#36
 1,1-Dichloropropene
 Concen: 5.151 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010743.D
 Acq: 09 Jul 2019 12:17

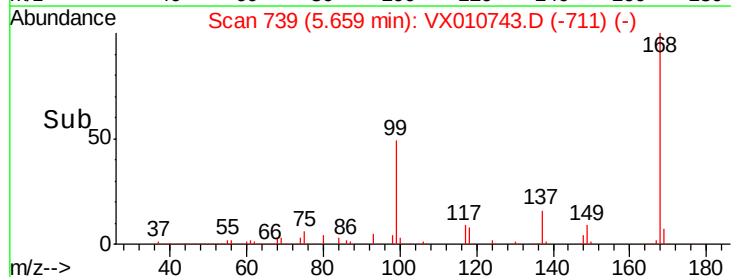
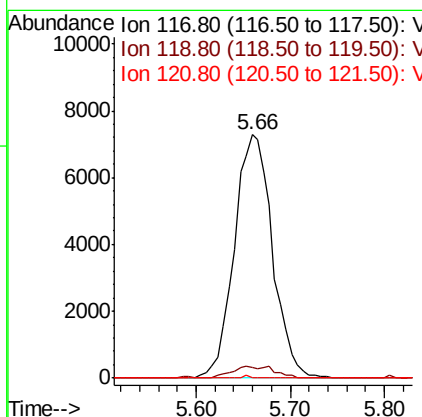
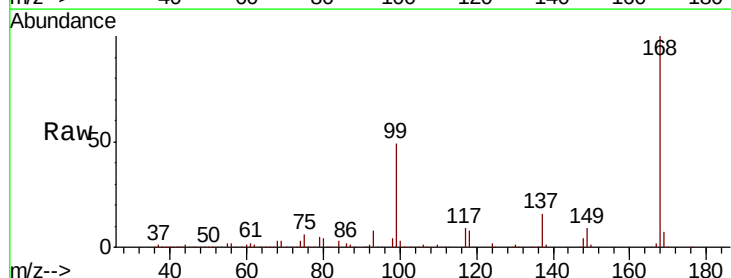
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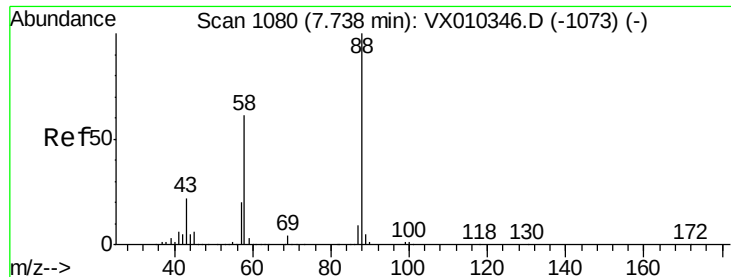
Tot Ion: 75 Resp: 14627
 Ion Ratio Lower Upper
 75 100
 110 12.5 20.8 62.2#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.690 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010743.D
 Acq: 09 Jul 2019 12:17

Tgt Ion: 117 Resp: 20572
 Ion Ratio Lower Upper
 117 100
 119 4.4 78.2 117.4#
 121 0.0 24.7 37.1#

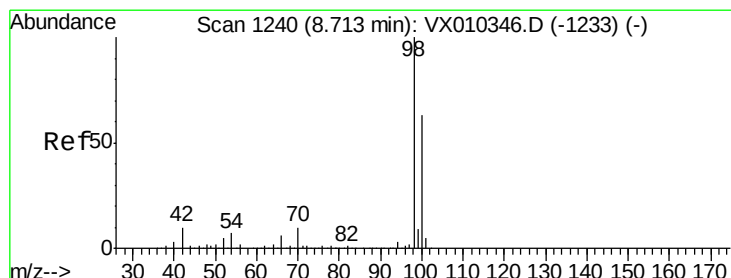
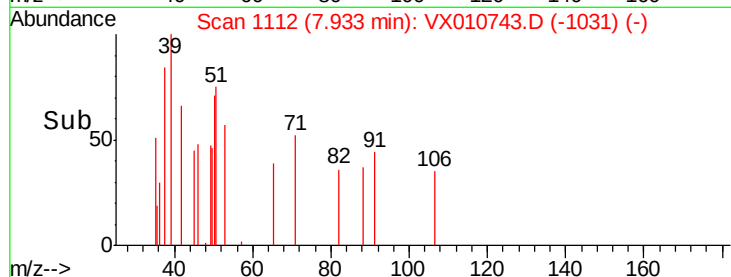
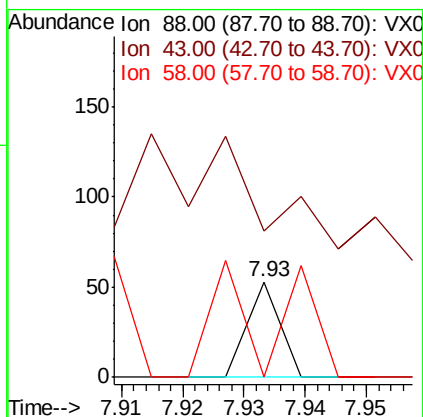
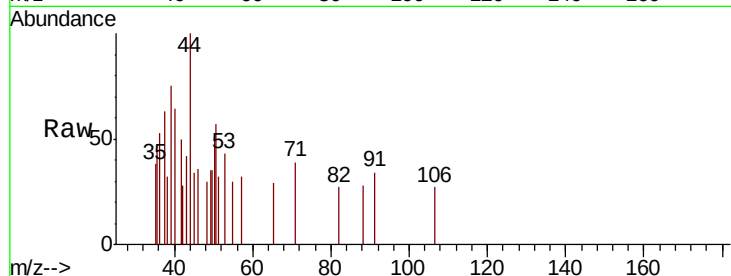




#49
1,4-Dioxane
Concen: 0.294 ug/l
RT: 7.93 min Scan# 1112
Delta R.T. 0.20 min
Lab File: VX010743.D
Acq: 09 Jul 2019 12:17

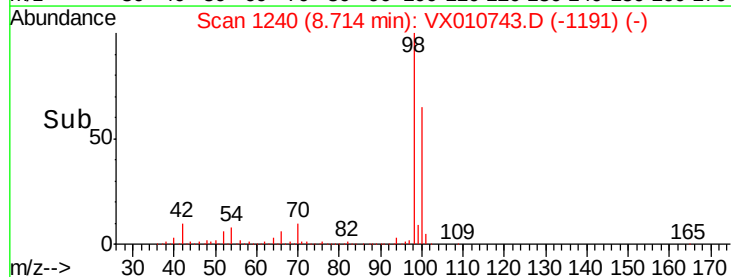
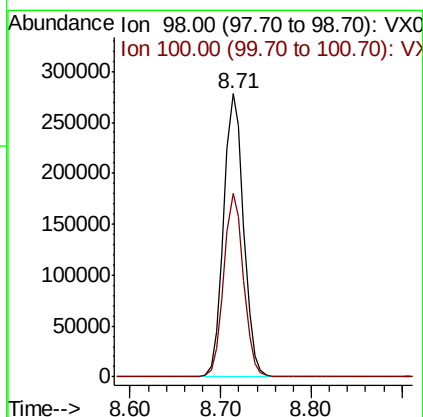
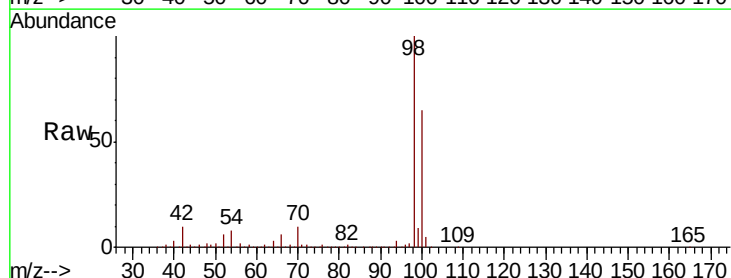
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

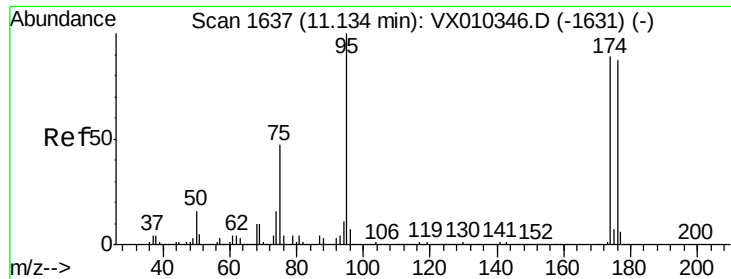
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 242.1 49.5 74.3#



#50
Toluene-d8
Concen: 51.101 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010743.D
Acq: 09 Jul 2019 12:17

Tgt Ion: 98 Resp: 427473
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

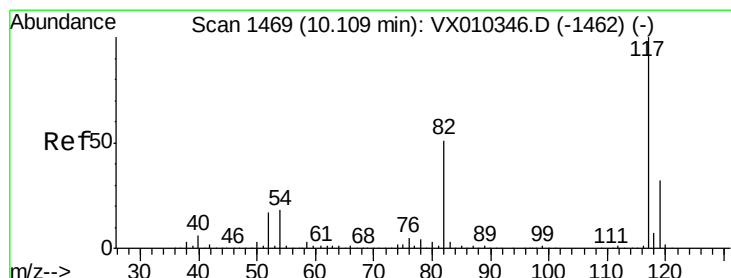
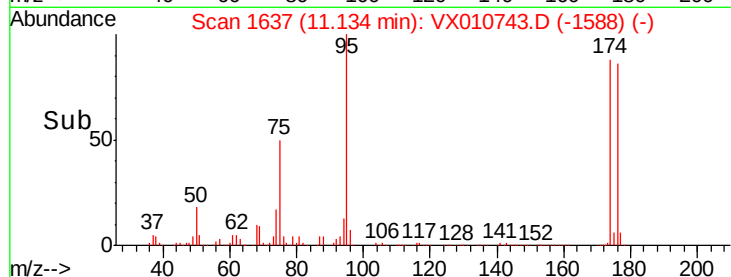
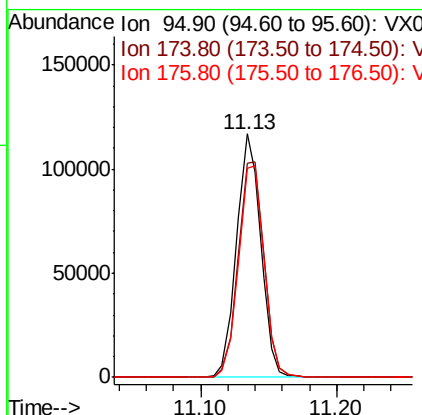
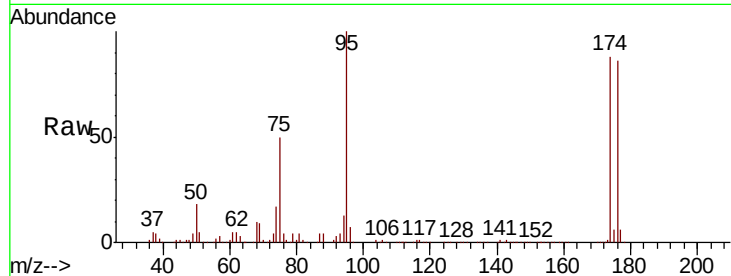




#62
4-Bromofluorobenzene
Concen: 48.095 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010743.D
Acq: 09 Jul 2019 12:17

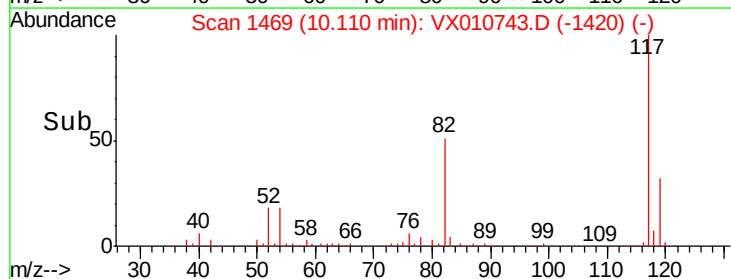
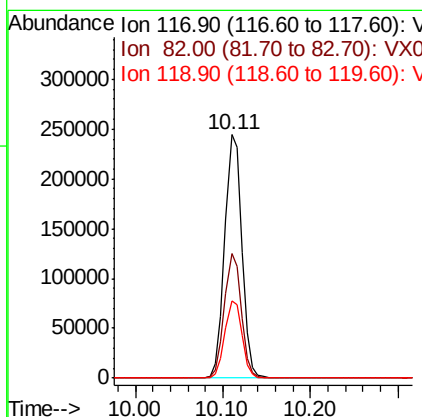
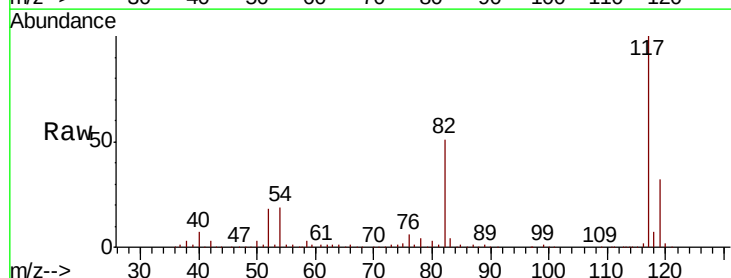
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

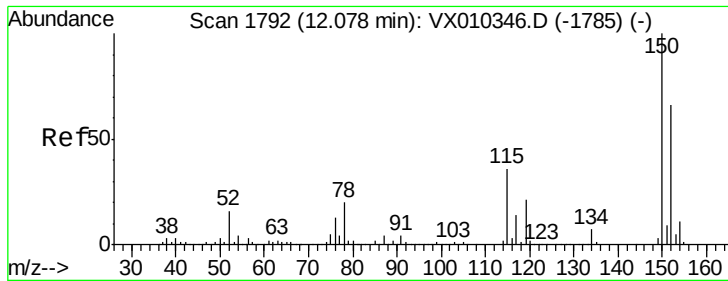
Tot Ion: 95 Resp: 145253
Ion Ratio Lower Upper
95 100
174 94.2 0.0 187.6
176 91.5 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010743.D
Acq: 09 Jul 2019 12:17

Tgt Ion: 117 Resp: 331613
Ion Ratio Lower Upper
117 100
82 51.0 41.2 61.8
119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010743.D

Acq: 09 Jul 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

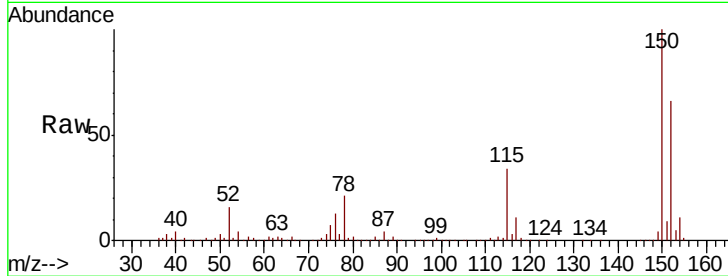
Tot Ion:152 Resp: 155569

Ion Ratio Lower Upper

152 100

115 53.4 38.6 115.7

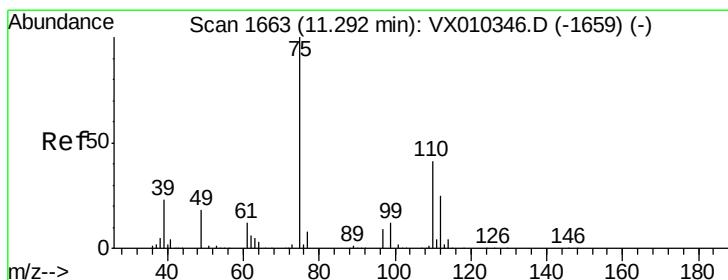
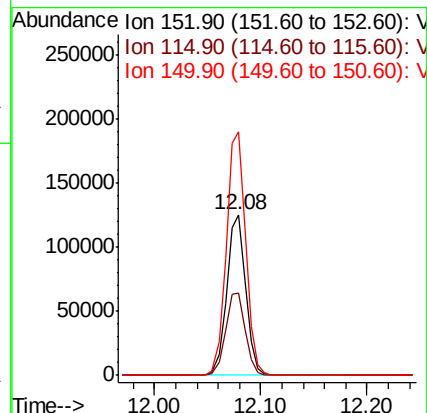
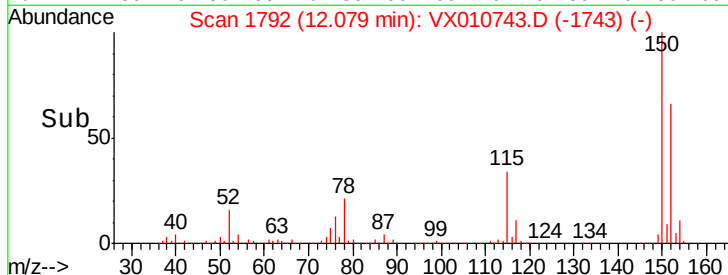
150 155.0 0.0 347.4



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: 25.003 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010743.D

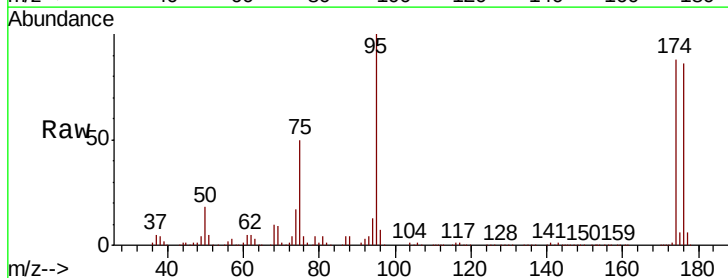
Acq: 09 Jul 2019 12:17

Tgt Ion: 75 Resp: 70879

Ion Ratio Lower Upper

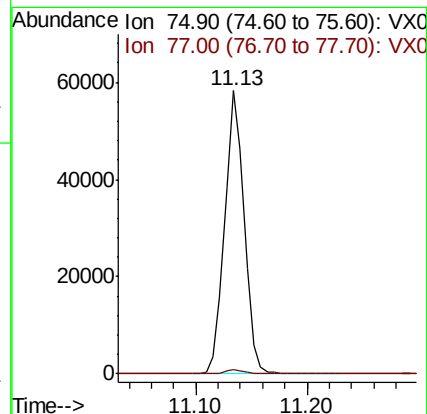
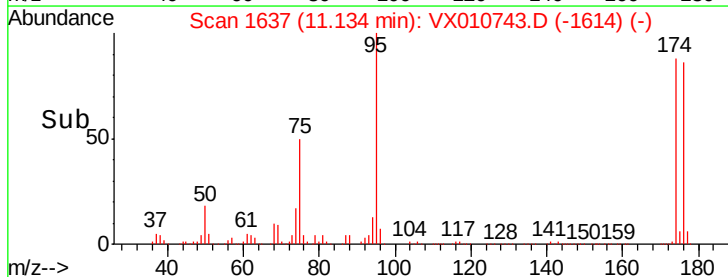
75 100

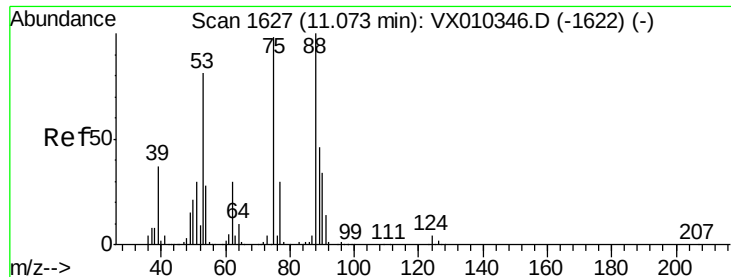
77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.328 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010743.D

Acq: 09 Jul 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 70879

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

