

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011119\
 Data File : VX007015.D
 Acq On : 11 Jan 2019 15:56
 Operator : JC/SP
 Sample : K1125-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jan 11 22:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	613188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	931594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	875816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	422463	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	319131	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	5.51	113	281655	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	8.71	98	1113357	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.13	95	394125	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	

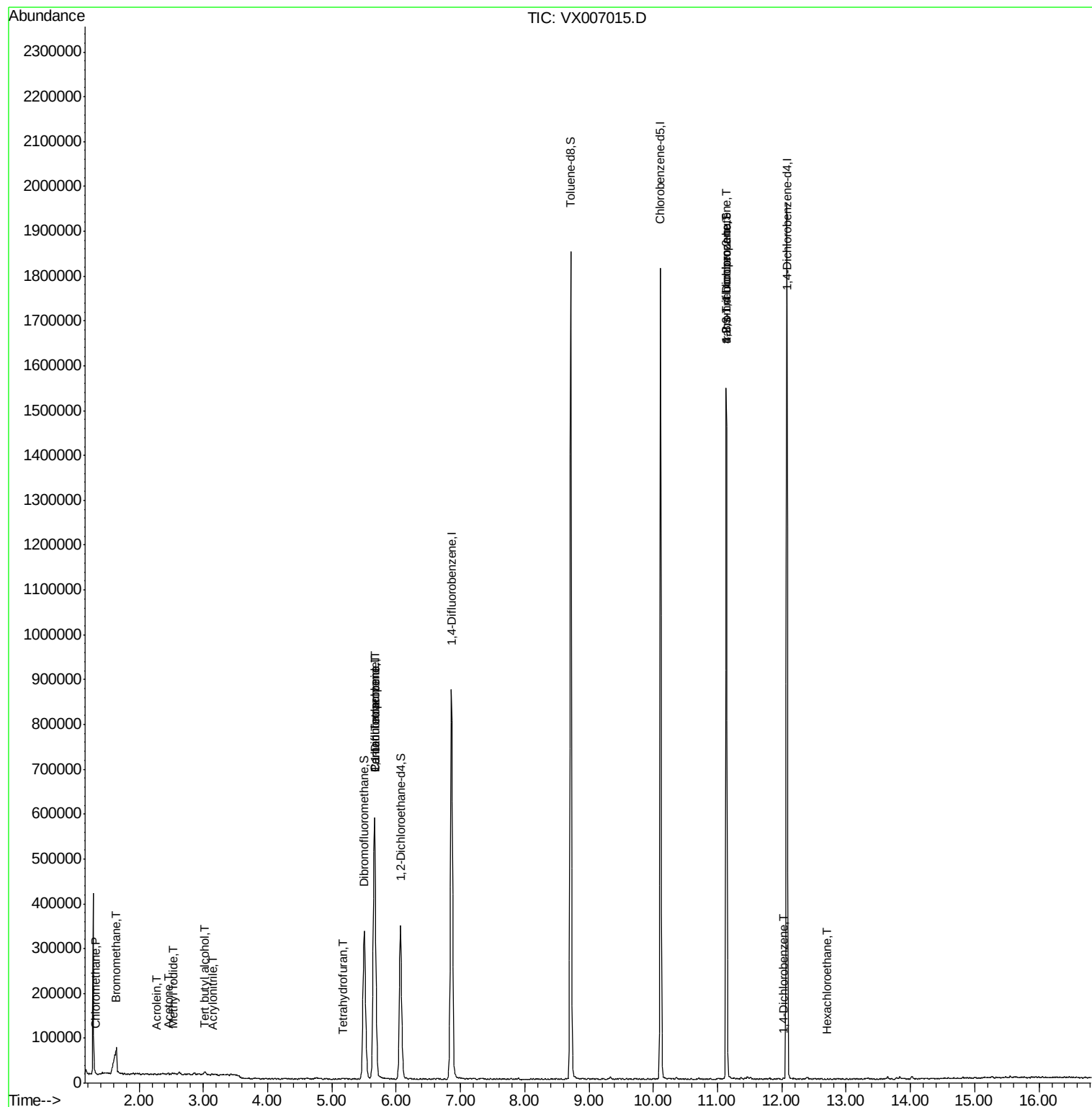
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1529	0.261	ug/l	98
5) Bromomethane	1.64	94	4210	0.625	ug/l	95
10) Methyl Iodide	2.53	142	2491	0.303	ug/l #	87
11) Tert butyl alcohol	3.03	59	3399	2.248	ug/l #	94
13) Acrolein	2.28	56	371	3.646	ug/l #	13
15) Acrylonitrile	3.15	53	1087	0.313	ug/l #	19
16) Acetone	2.45	43	3662	1.156	ug/l	94
20) Methylene Chloride	2.86	84	2377	Below Cal	#	76
29) Tetrahydrofuran	5.17	42	1419	0.482	ug/l #	37
36) 1,1-Dichloropropene	5.66	75	37790	4.666	ug/l #	48
38) Carbon Tetrachloride	5.67	117	54821	6.727	ug/l #	14
49) 1,4-Dioxane	7.75	88	184	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	188383	22.005	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	188383	65.166	ug/l #	10
88) 1,4-Dichlorobenzene	12.02	146	1104	0.223	ug/l	94
90) Hexachloroethane	12.71	117	24	2.914	ug/l	94

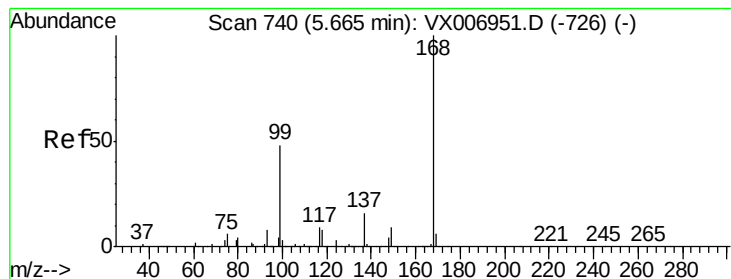
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007015.D

Acq: 11 Jan 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

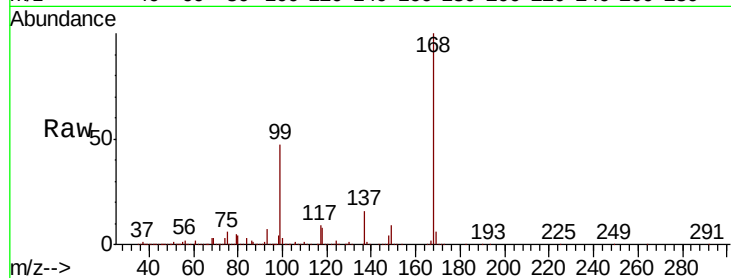
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 613188

Ion Ratio Lower Upper

168 100

99 47.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006951.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX006951.D (-726) (-)

5.67

250000

200000

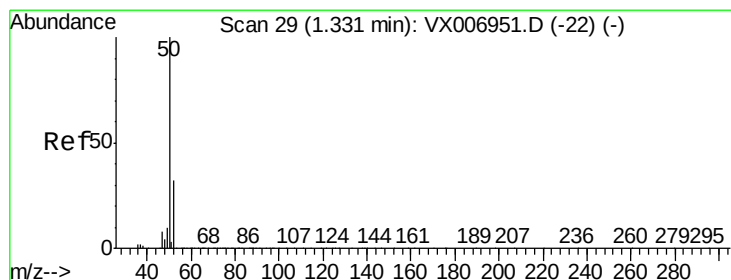
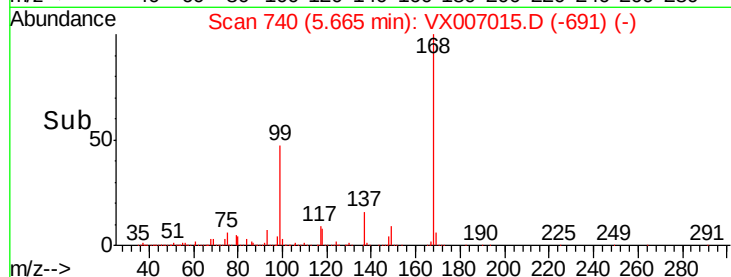
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007015.D

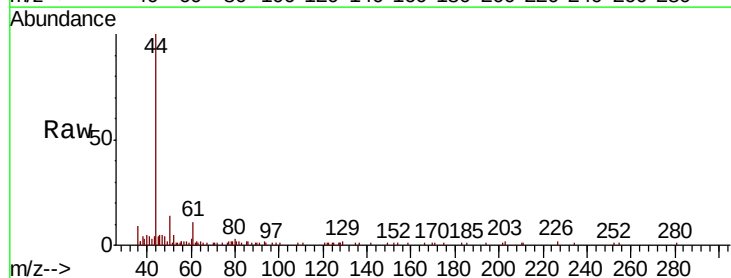
Acq: 11 Jan 2019 15:56

Tgt Ion: 50 Resp: 1529

Ion Ratio Lower Upper

50 100

52 31.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX006951.D (-22) (-)

Ion 51.90 (51.60 to 52.60): VX006951.D (-22) (-)

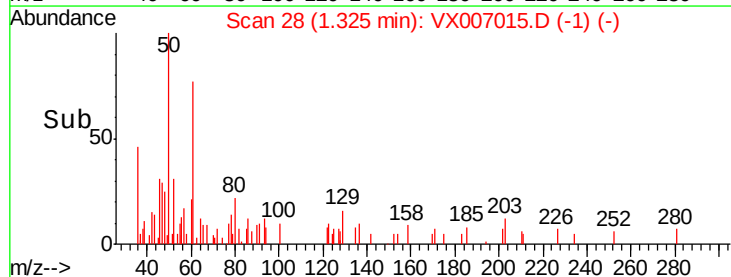
1.32

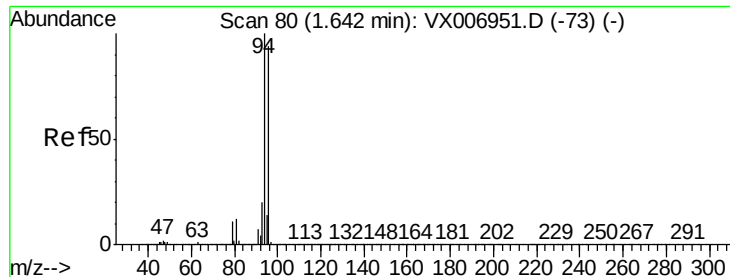
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.625 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007015.D

Acq: 11 Jan 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

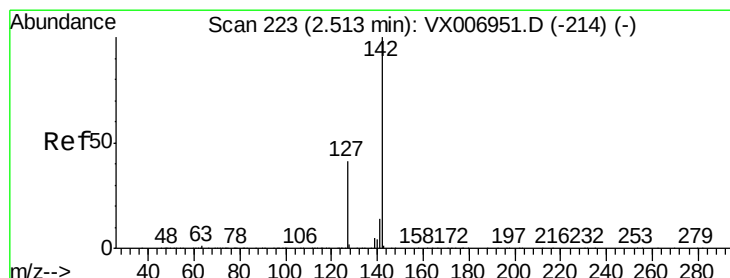
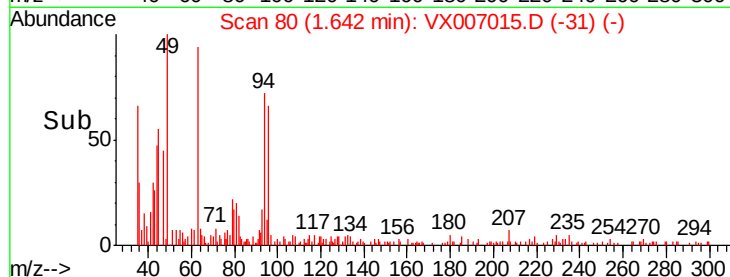
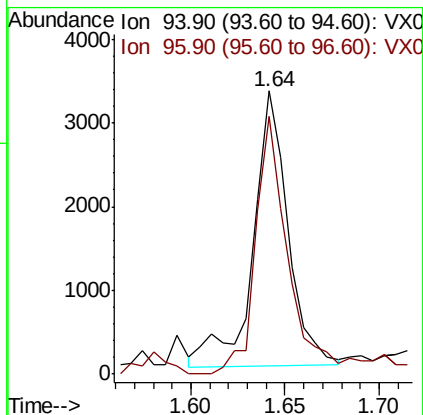
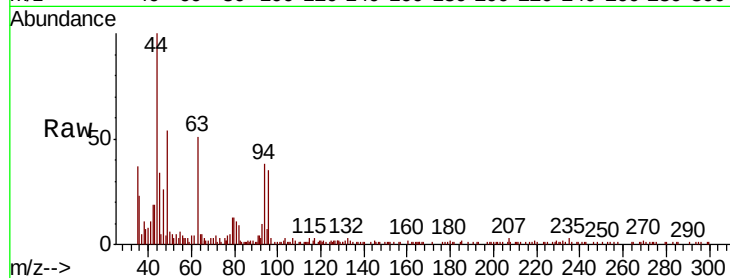
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 94 Resp: 4210

Ion Ratio Lower Upper

94 100

96 96.3 73.4 110.2



#10

Methyl Iodide

Concen: 0.303 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX007015.D

Acq: 11 Jan 2019 15:56

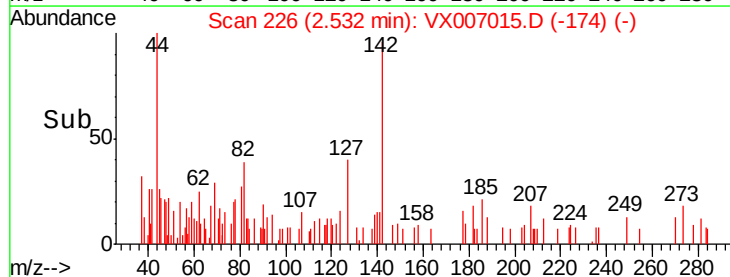
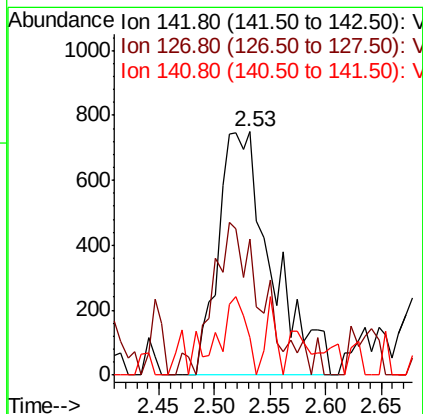
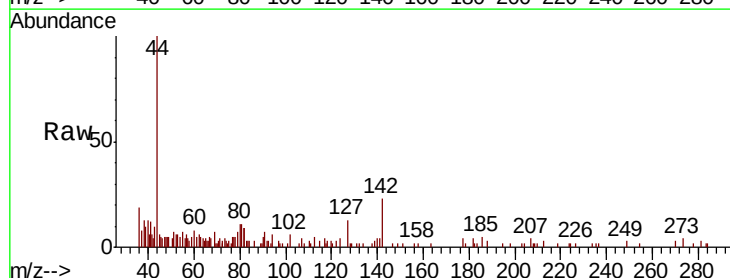
Tgt Ion: 142 Resp: 2491

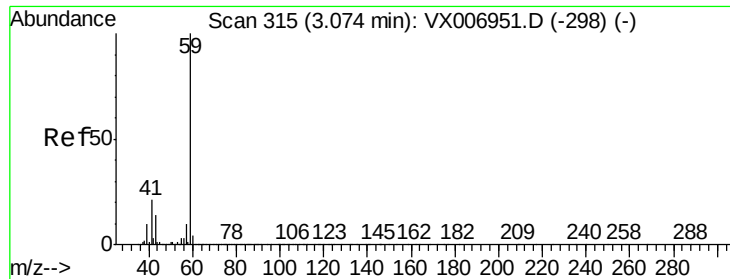
Ion Ratio Lower Upper

142 100

127 53.5 33.9 50.9#

141 14.2 11.4 17.0

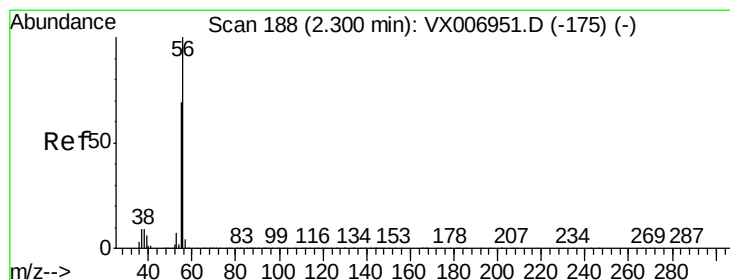
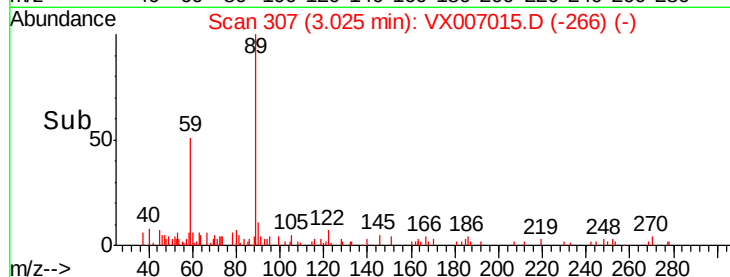
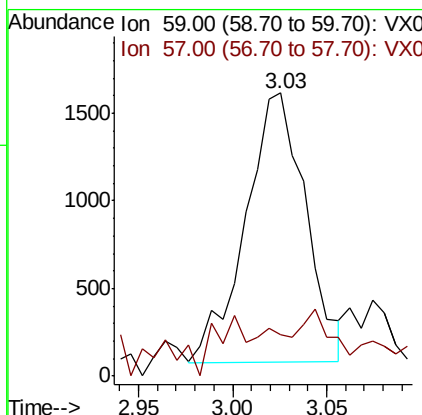
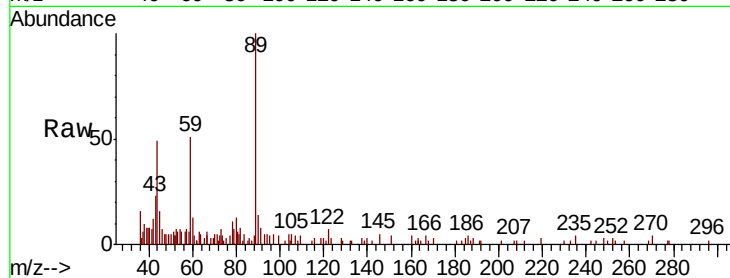




#11
Tert butyl alcohol
Concen: 2.248 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

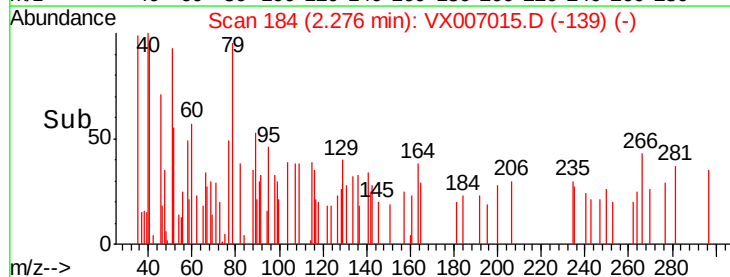
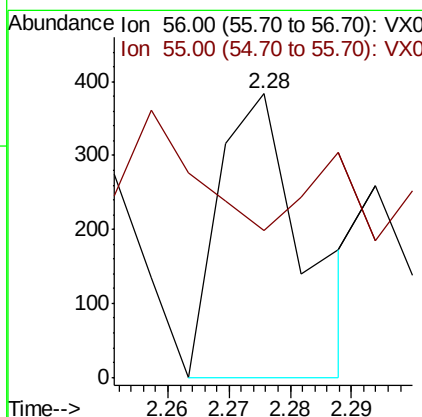
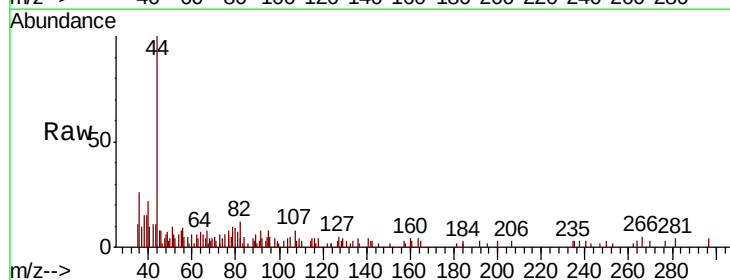
Instrument :
MSVOA_X
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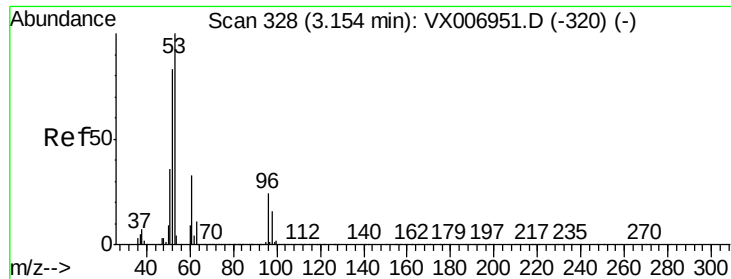
Tgt Ion: 59 Resp: 3399
Ion Ratio Lower Upper
59 100
57 8.3 8.5 12.7#



#13
Acrolein
Concen: 3.646 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#

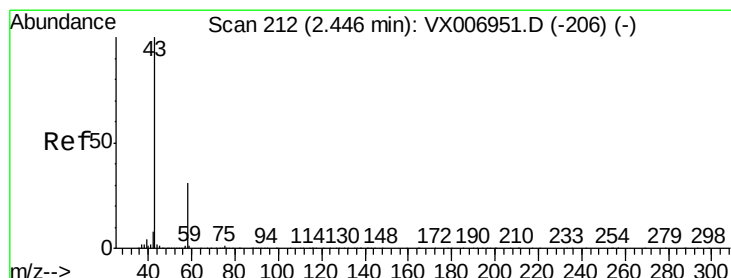
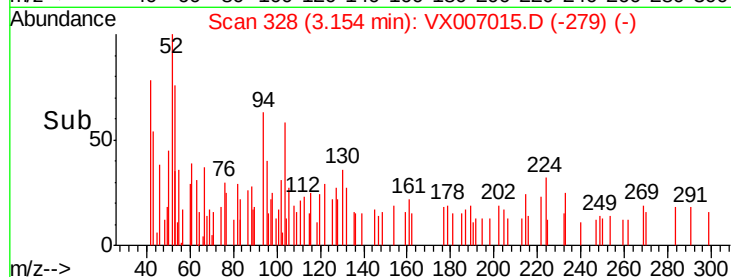
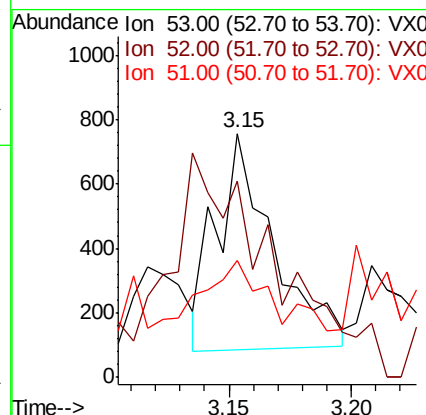
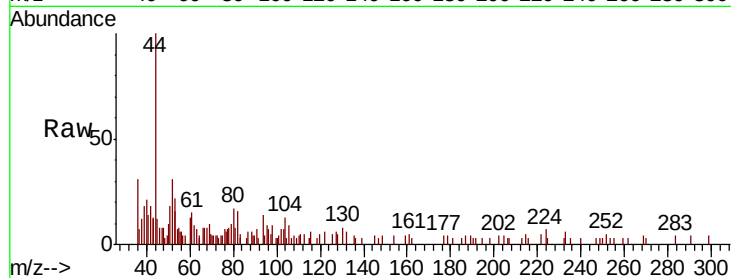




#15
Acrylonitrile
Concen: 0.313 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.00 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

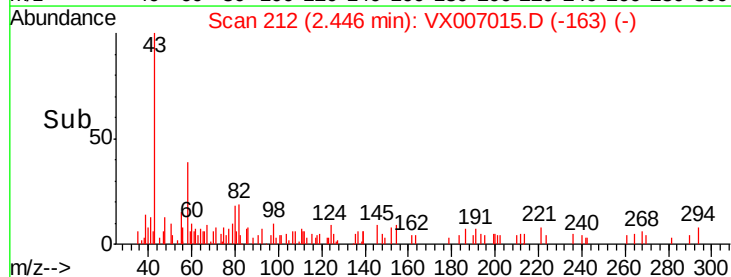
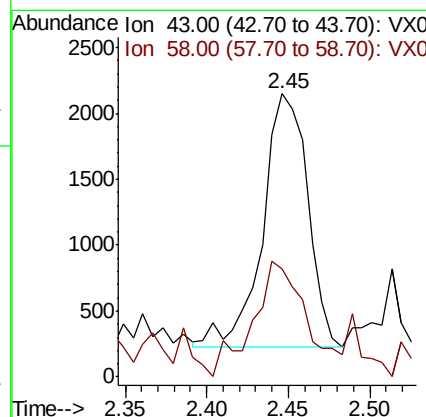
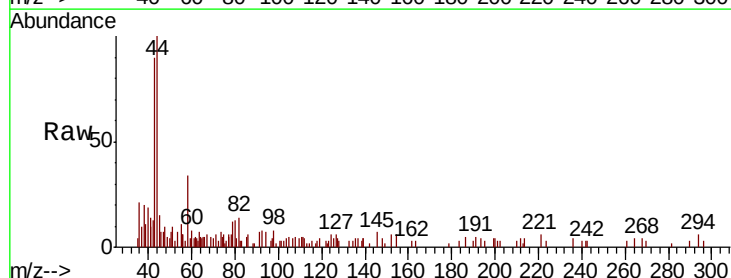
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

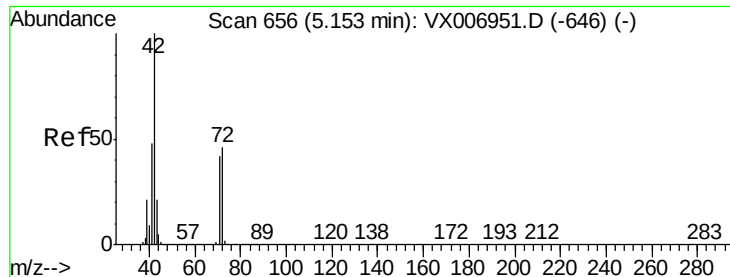
Tgt Ion: 53 Resp: 1087
Ion Ratio Lower Upper
53 100
52 185.7 66.0 99.0#
51 36.2 28.6 42.8



#16
Acetone
Concen: 1.156 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

Tgt Ion: 43 Resp: 3662
Ion Ratio Lower Upper
43 100
58 34.8 25.0 37.6

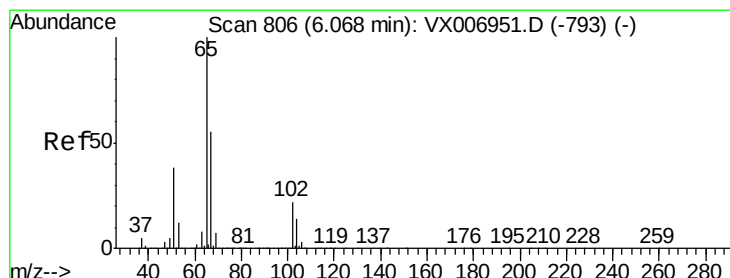
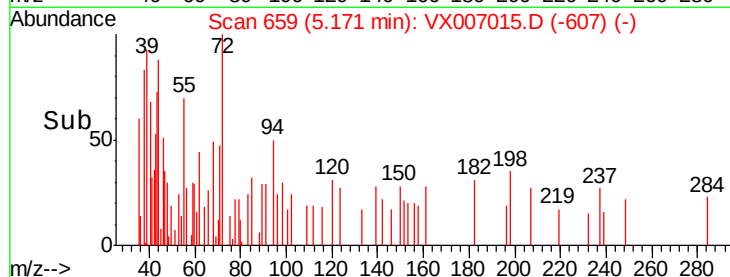
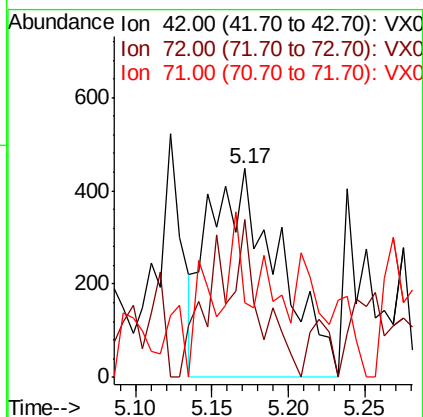
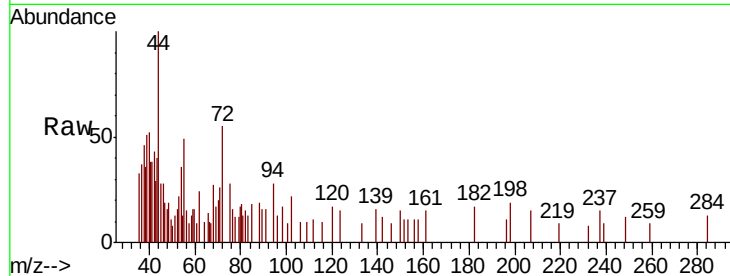




#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

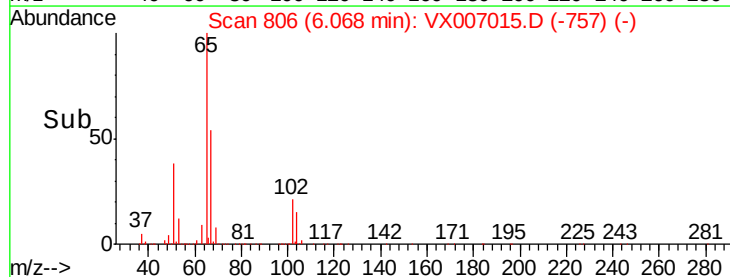
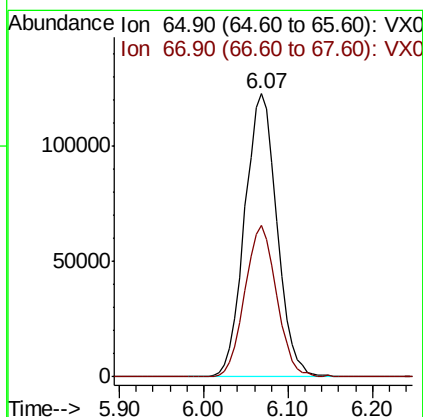
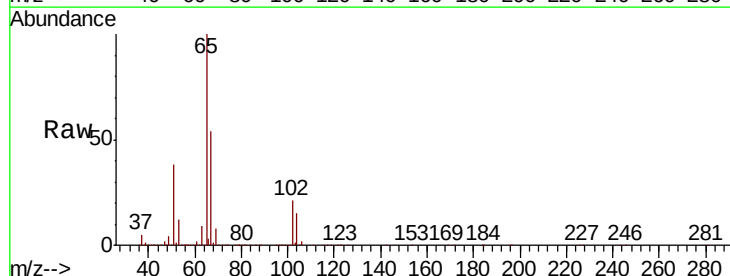
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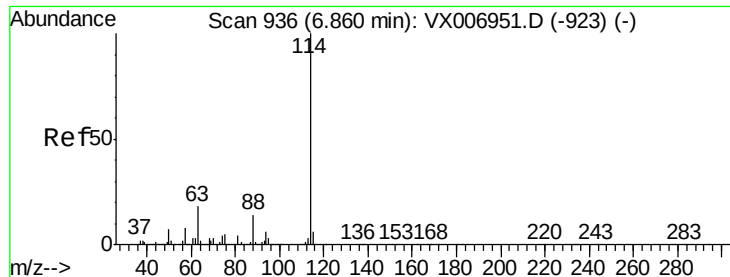
Tgt Ion: 42 Resp: 1419
Ion Ratio Lower Upper
42 100
72 0.0 38.9 58.3#
71 10.5 36.2 54.4#



#33
1,2-Dichloroethane-d4
Concen: 49.799 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

Tgt Ion: 65 Resp: 319131
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.0

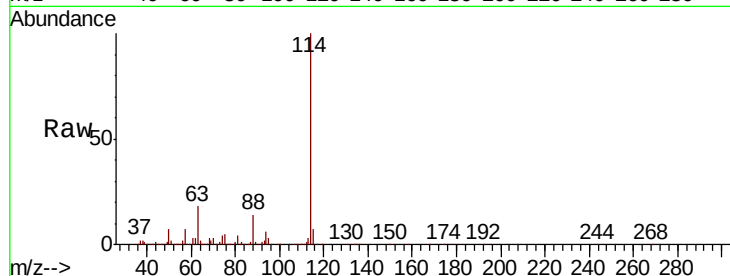




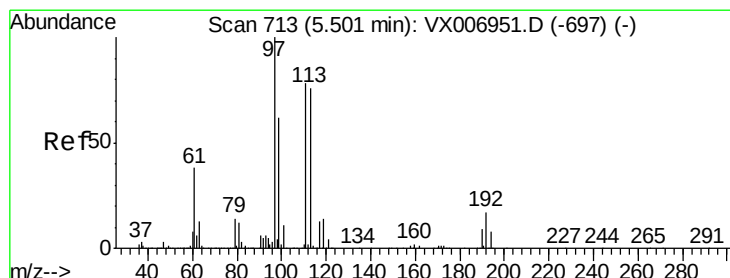
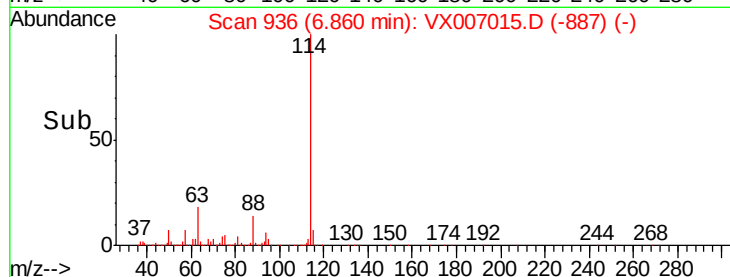
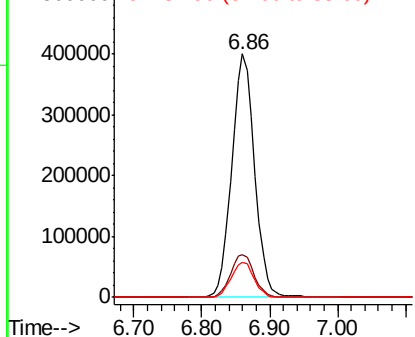
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007015.D
 Acq: 11 Jan 2019 15:56

Instrument :
 MSVOA_X
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Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.8
88	14.4	0.0	28.8

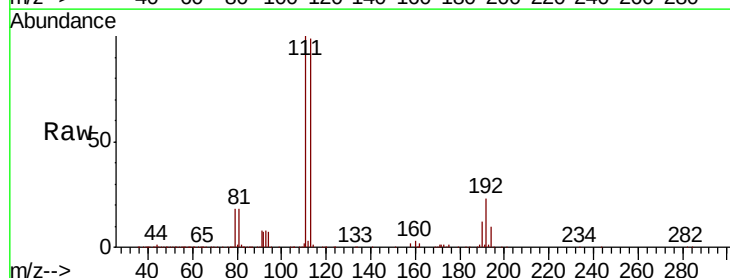


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

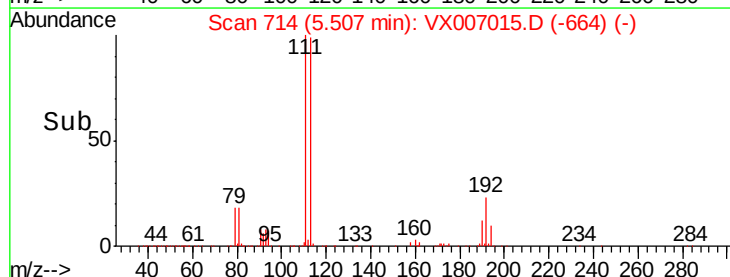
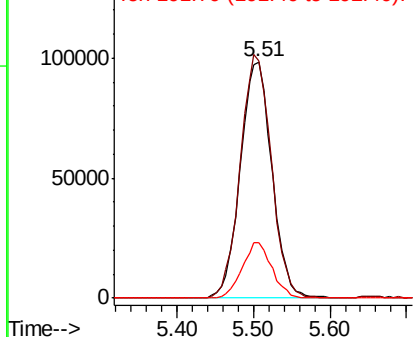


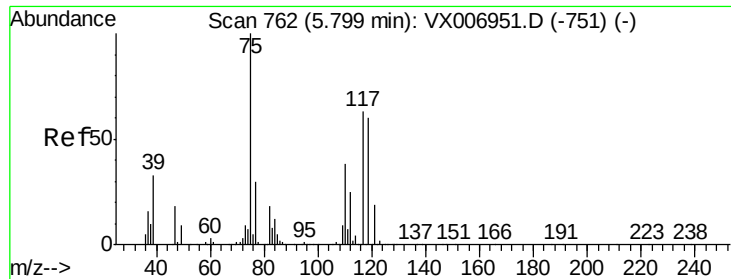
#35
 Dibromofluoromethane
 Concen: 47.211 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007015.D
 Acq: 11 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.6	122.4
192	22.2	16.7	25.1



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

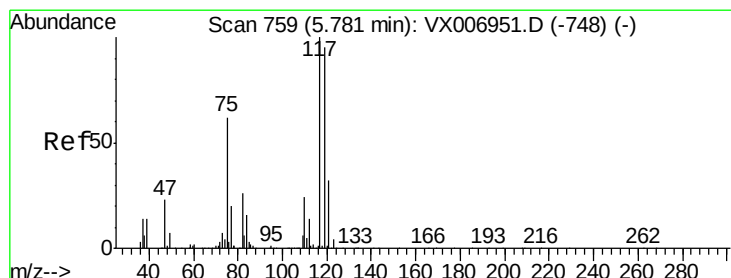
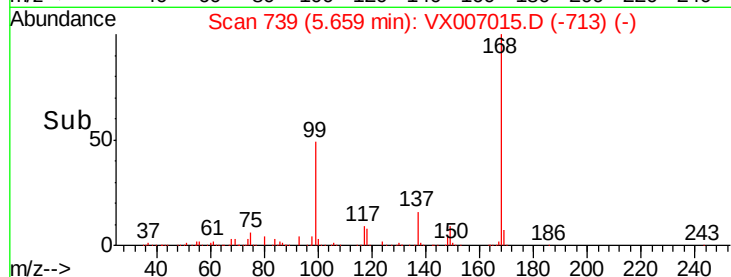
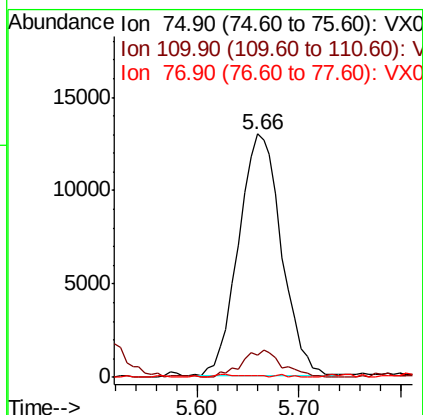
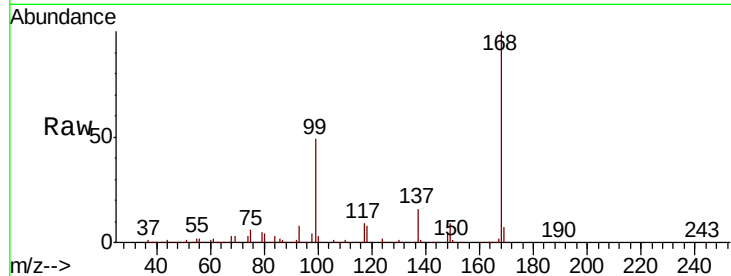




#36
 1,1-Dichloropropene
 Concen: 4.666 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007015.D
 Acq: 11 Jan 2019 15:56

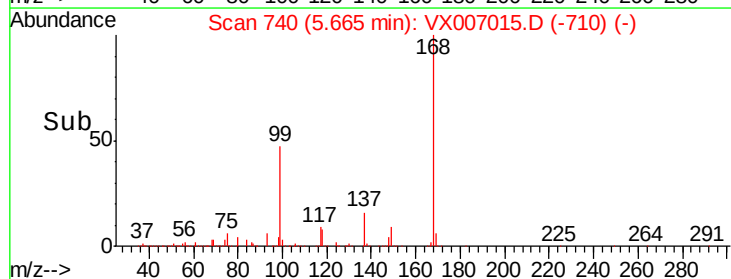
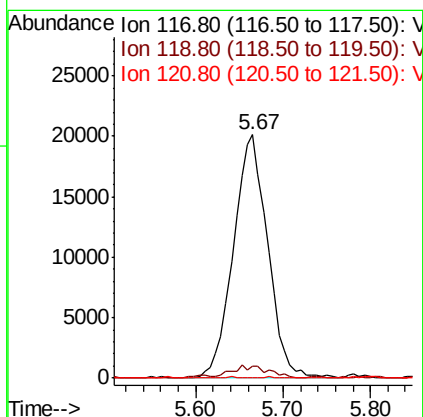
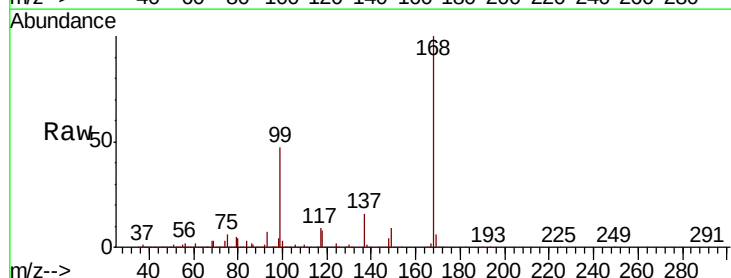
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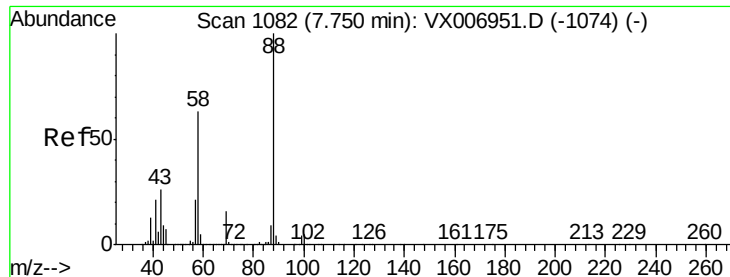
Tgt Ion: 75 Resp: 37790
 Ion Ratio Lower Upper
 75 100
 110 10.6 20.2 60.5#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.727 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007015.D
 Acq: 11 Jan 2019 15:56

Tgt Ion: 117 Resp: 54821
 Ion Ratio Lower Upper
 117 100
 119 4.9 79.4 119.2#
 121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007015.D

Acq: 11 Jan 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

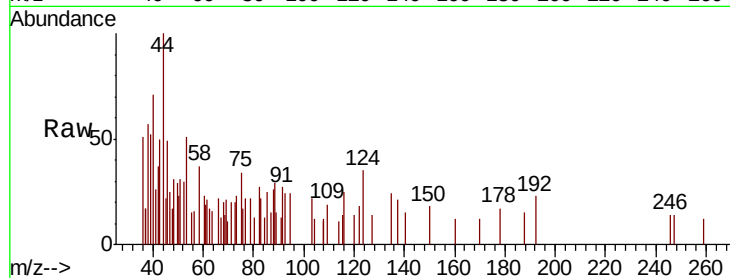
Tgt Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

43 238.0 22.2 33.4#

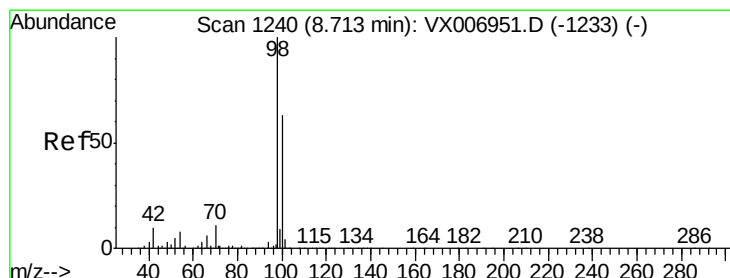
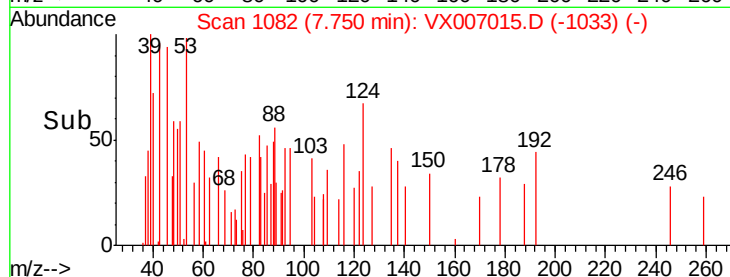
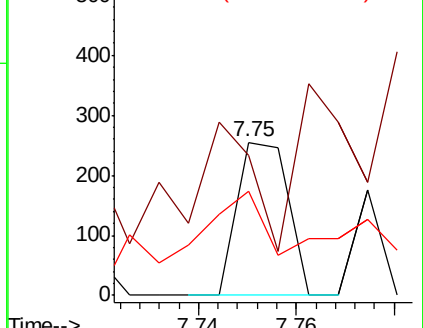
58 141.3 51.0 76.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.985 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007015.D

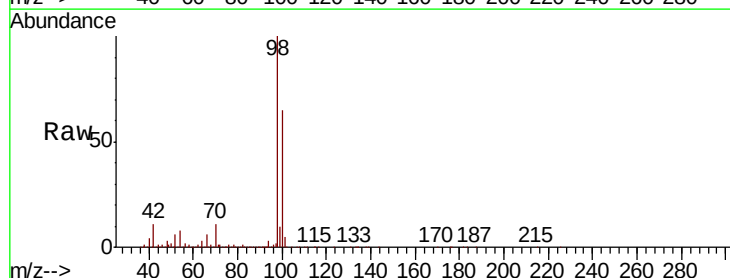
Acq: 11 Jan 2019 15:56

Tgt Ion: 98 Resp: 1113357

Ion Ratio Lower Upper

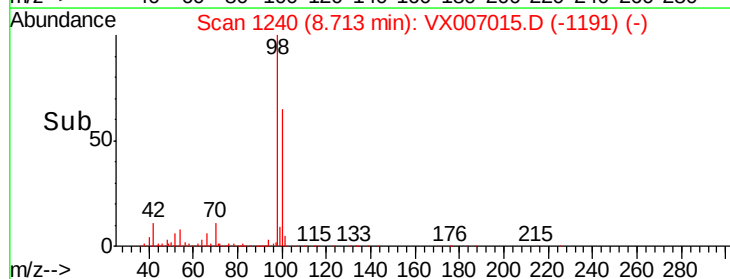
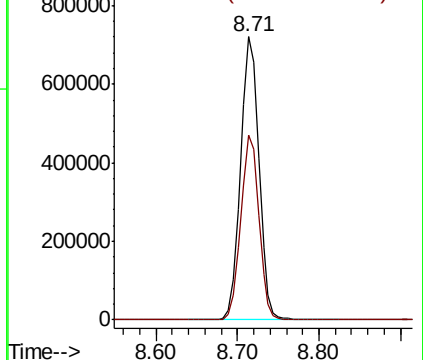
98 100

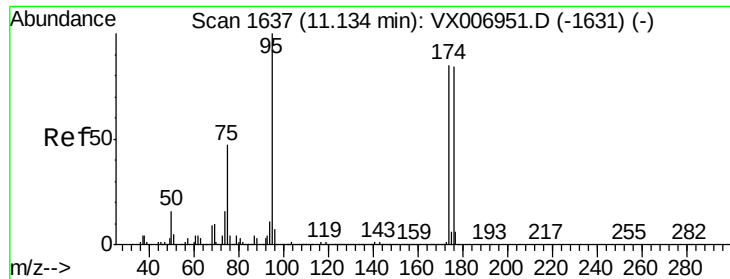
100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.771 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007015.D

Acq: 11 Jan 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

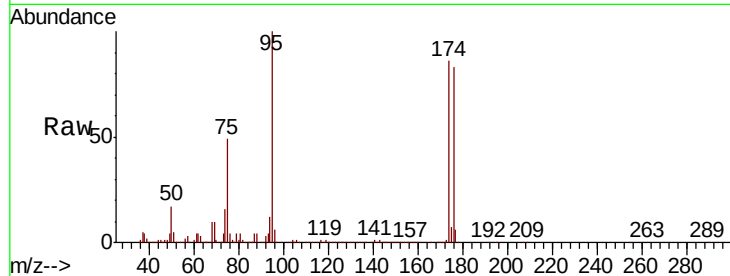
Tgt Ion: 95 Resp: 394125

Ion Ratio Lower Upper

95 100

174 92.5 0.0 182.2

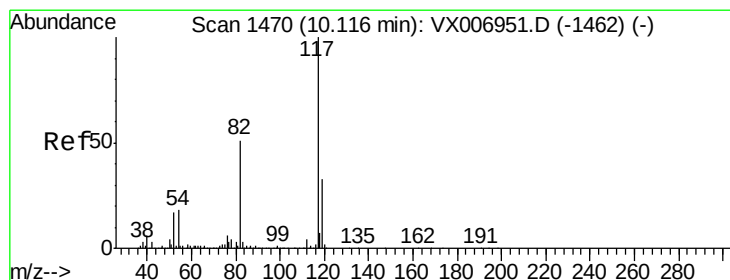
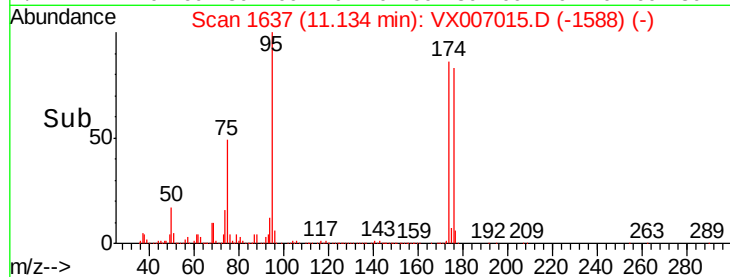
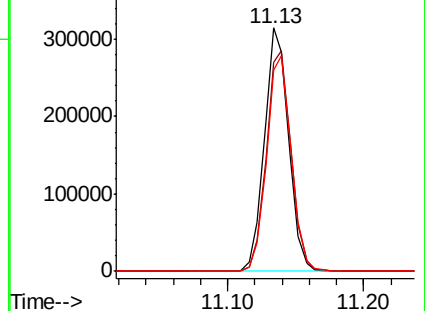
176 90.3 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX007015.D

Acq: 11 Jan 2019 15:56

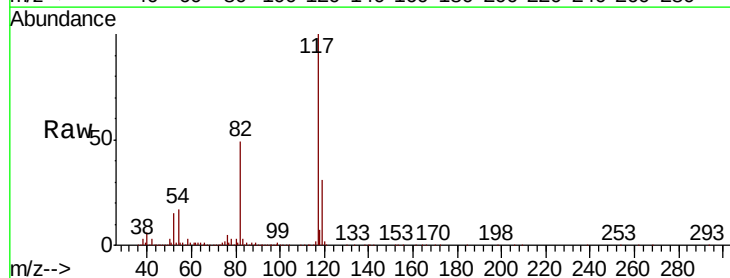
Tgt Ion: 117 Resp: 875816

Ion Ratio Lower Upper

117 100

82 49.1 41.0 61.6

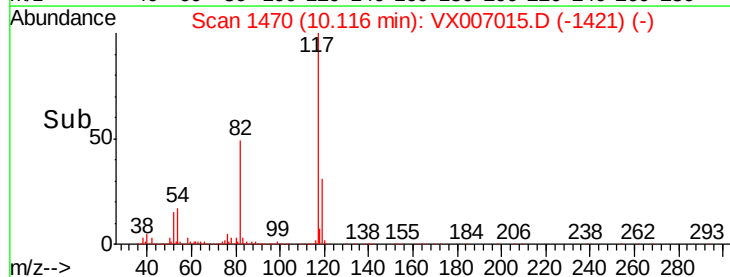
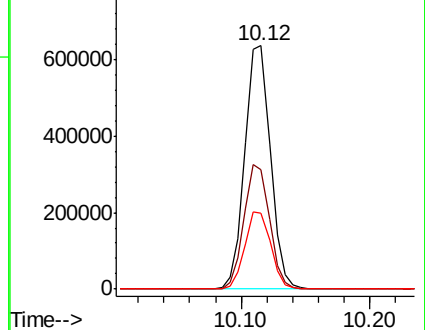
119 31.3 25.4 38.0

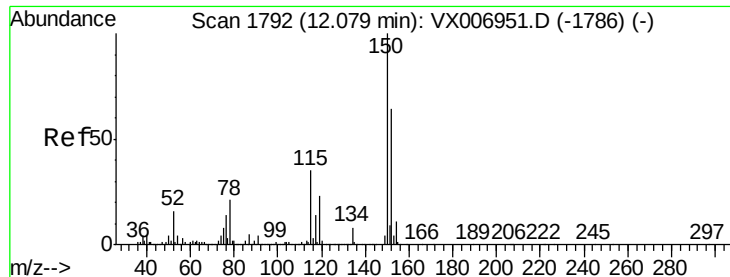


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)



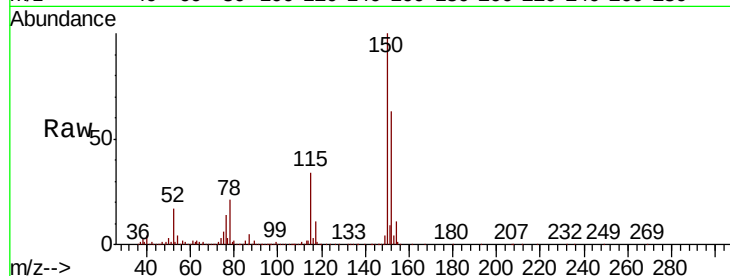


#72

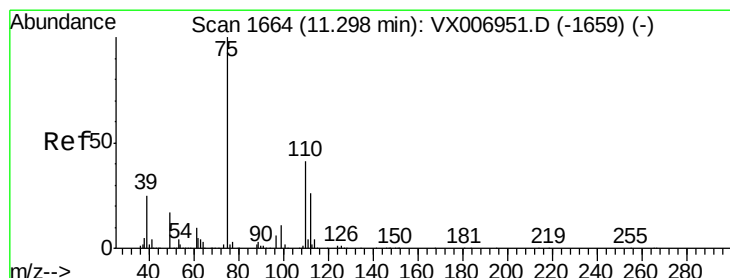
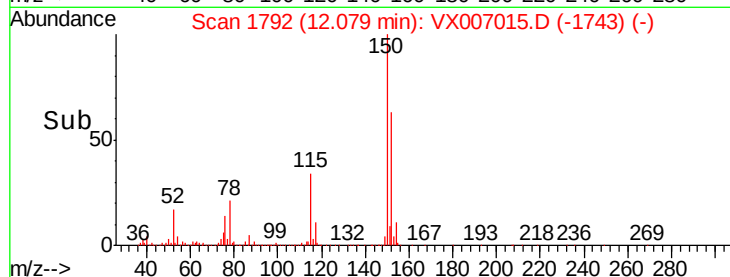
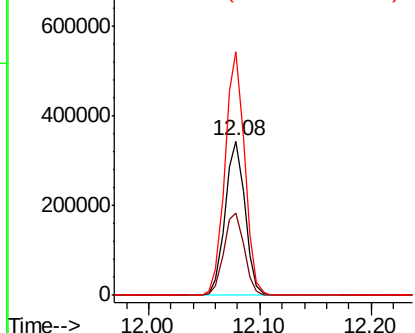
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

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

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.1	117.2
150	156.3	0.0	344.8



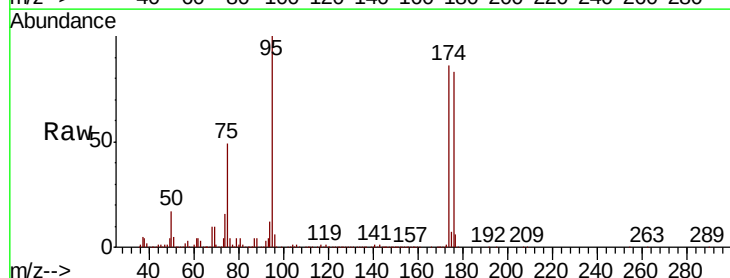
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



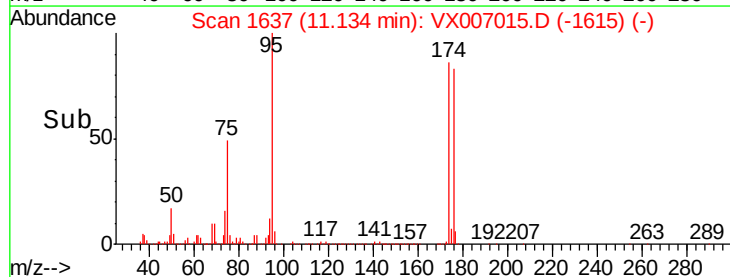
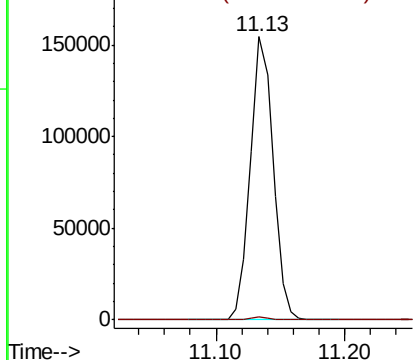
#76

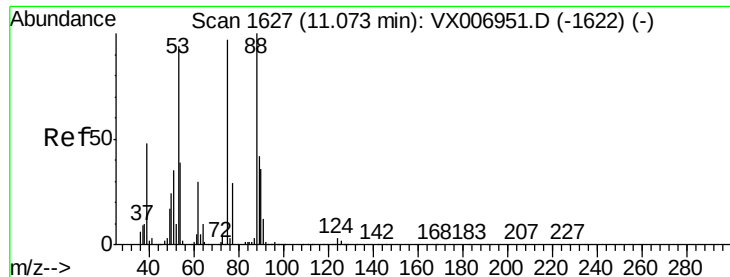
1,2,3-Trichloropropane
Concen: 22.005 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	18.5	55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

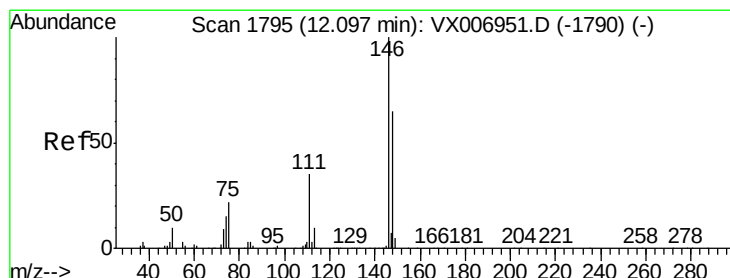
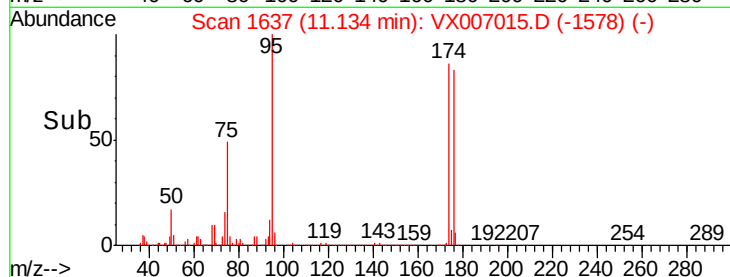
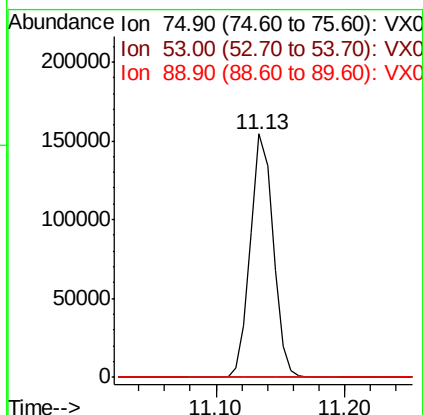
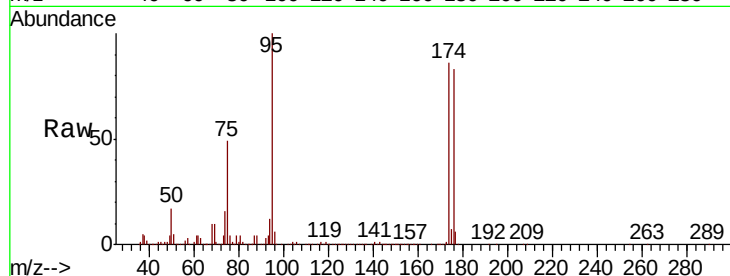




#81
trans-1,4-Dichloro-2-butene
Concen: 65.166 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

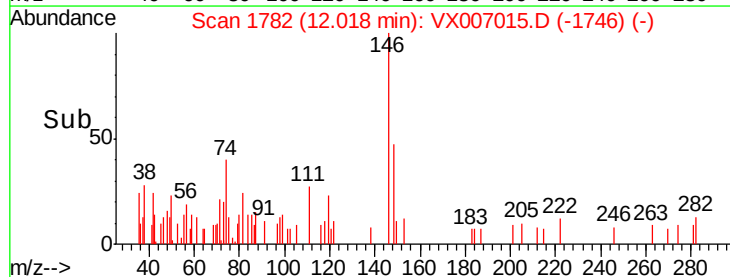
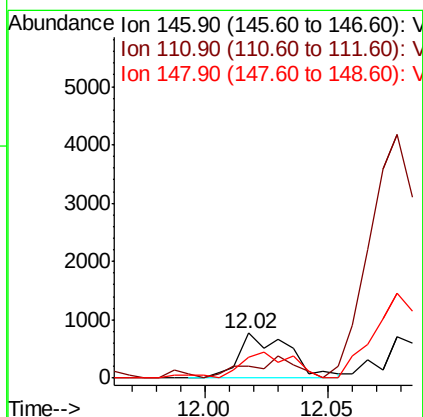
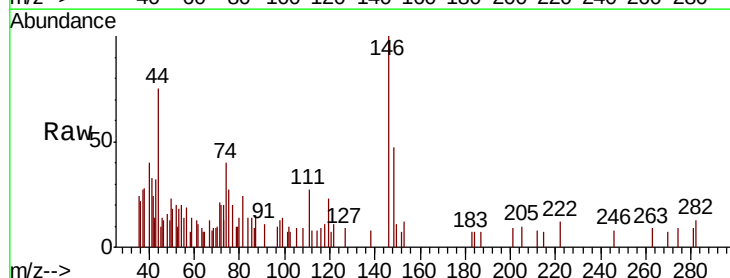
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

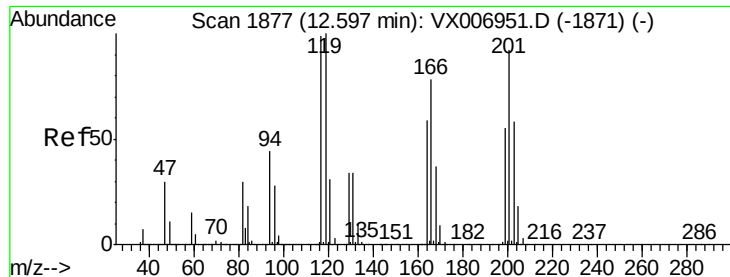
Tgt Ion: 75 Resp: 188383
Ion Ratio Lower Upper
75 100
53 0.3 79.7 119.5#
89 0.0 38.0 57.0#



#88
1,4-Dichlorobenzene
Concen: 0.223 ug/l
RT: 12.02 min Scan# 1782
Delta R.T. -0.08 min
Lab File: VX007015.D
Acq: 11 Jan 2019 15:56

Tgt Ion: 146 Resp: 1104
Ion Ratio Lower Upper
146 100
111 45.2 18.1 54.1
148 63.0 31.9 95.9





#90

Hexachloroethane

Concen: 2.914 ug/l

RT: 12.71 min Scan# 1896

Delta R.T. 0.12 min

Lab File: VX007015.D

Acq: 11 Jan 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

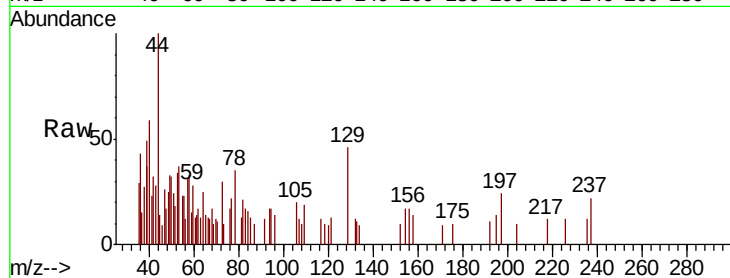
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 24

Ion Ratio Lower Upper

117 100

201 91.7 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

