

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111919\
 Data File : VX013456.D
 Acq On : 19 Nov 2019 11:11
 Operator : JC/SP
 Sample : K5909-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 19 16:12:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	731396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1164653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1035714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	451390	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	428828	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	5.48	113	356303	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.71	98	1400265	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	464382	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	

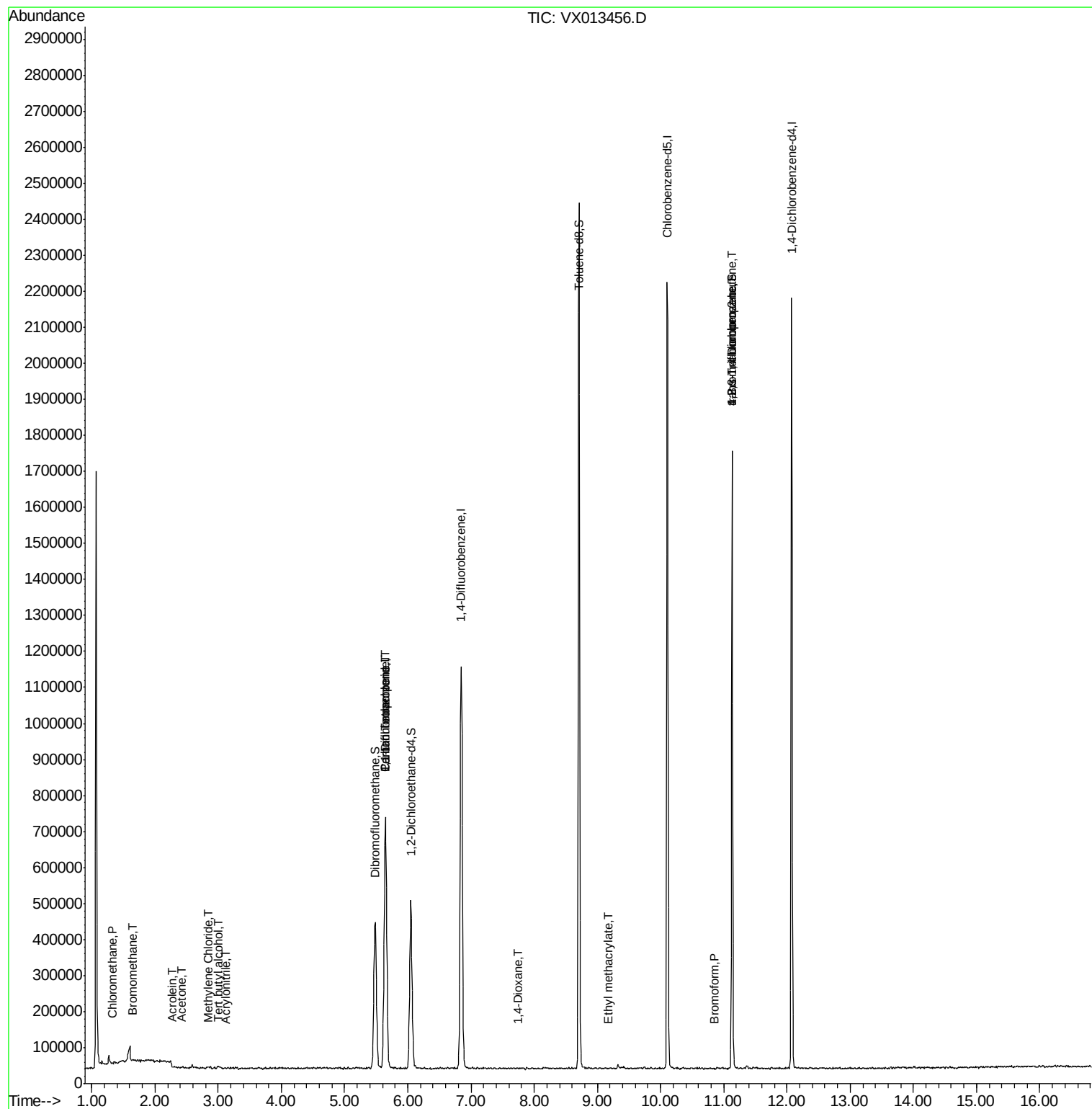
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2766	0.303	ug/l	99
5) Bromomethane	1.65	94	2359	0.325	ug/l	89
6) Chloroethane	1.75	64	1253	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	5243	2.296	ug/l #	88
13) Acrolein	2.28	56	369	0.298	ug/l	83
15) Acrylonitrile	3.13	53	1571	0.368	ug/l #	43
16) Acetone	2.42	43	7030	1.627	ug/l #	79
20) Methylene Chloride	2.84	84	1809	0.227	ug/l	88
36) 1,1-Dichloropropene	5.65	75	49583	4.963	ug/l #	51
38) Carbon Tetrachloride	5.64	117	64651	6.617	ug/l #	16
49) 1,4-Dioxane	7.75	88	514	2.339	ug/l #	24
56) Ethyl methacrylate	9.17	69	317	1.586	ug/l #	2
71) Bromoform	10.85	173	127	3.219	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	230072	25.094	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	230072	64.592	ug/l #	9

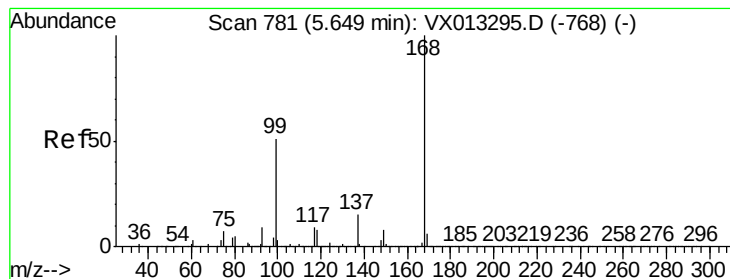
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013456.D

Acq: 19 Nov 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

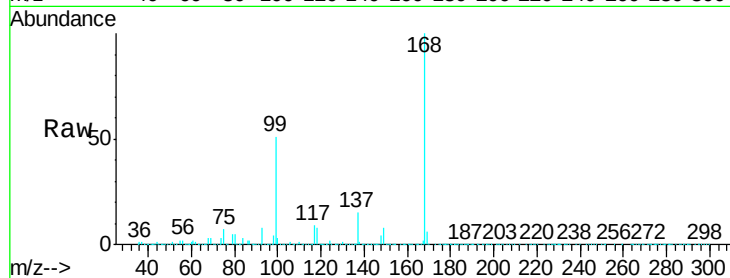
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 731396

Ion Ratio Lower Upper

168 100

99 51.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

250000

200000

150000

100000

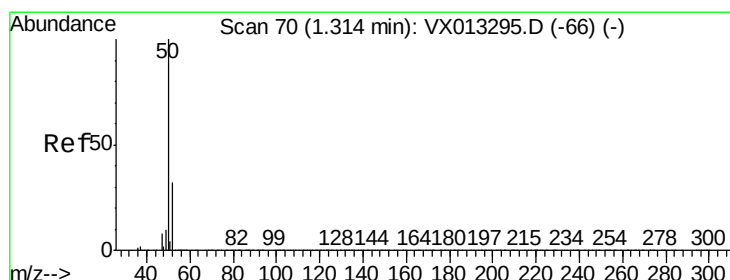
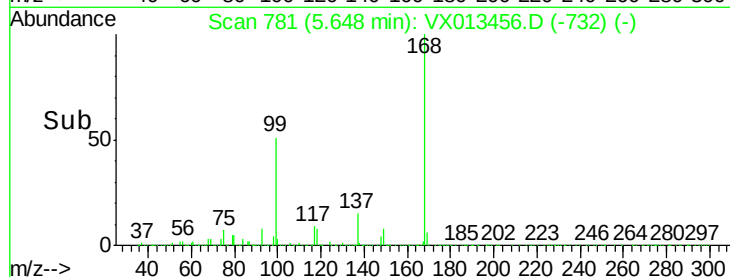
50000

0

Time-->

5.50 5.60 5.70 5.80

5.65



#3

Chloromethane

Concen: 0.303 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013456.D

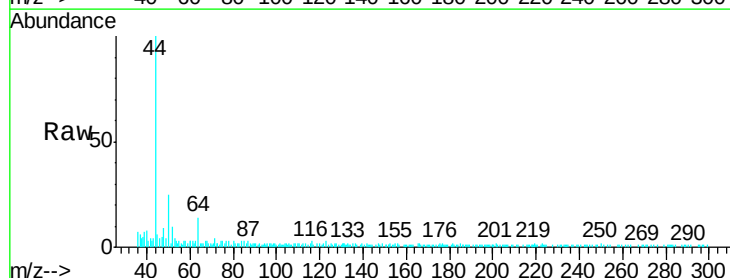
Acq: 19 Nov 2019 11:11

Tgt Ion: 50 Resp: 2766

Ion Ratio Lower Upper

50 100

52 32.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

2500

2000

1500

1000

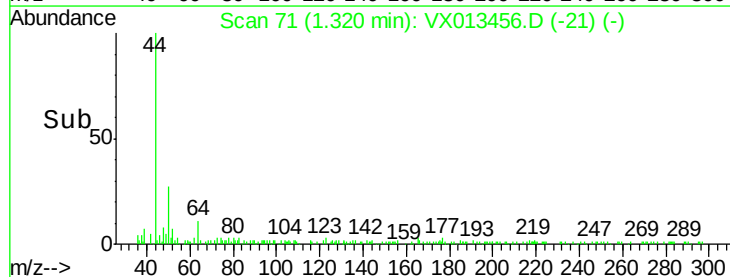
500

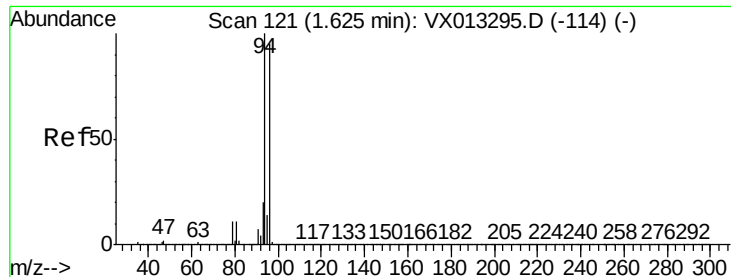
0

Time-->

1.30 1.35

1.32





#5

Bromomethane

Concen: 0.325 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013456.D

Acq: 19 Nov 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

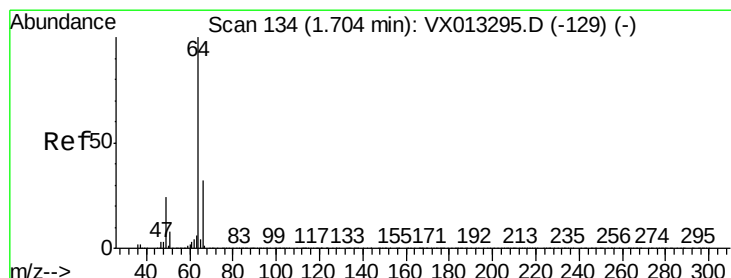
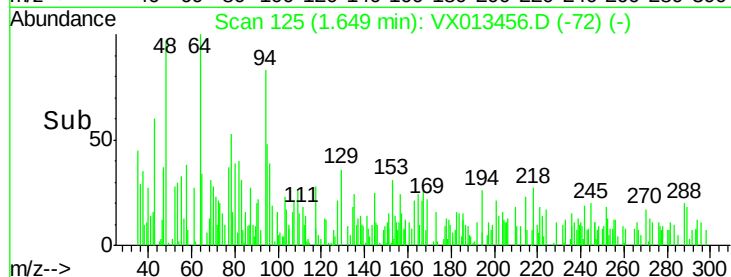
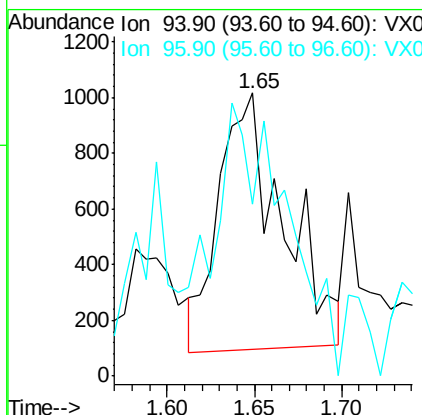
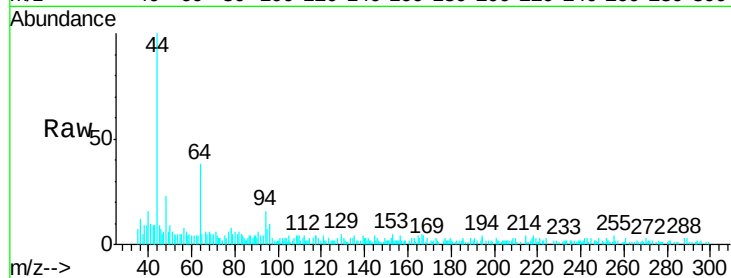
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 94 Resp: 2359

Ion Ratio Lower Upper

94 100

96 84.2 75.8 113.8



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX013456.D

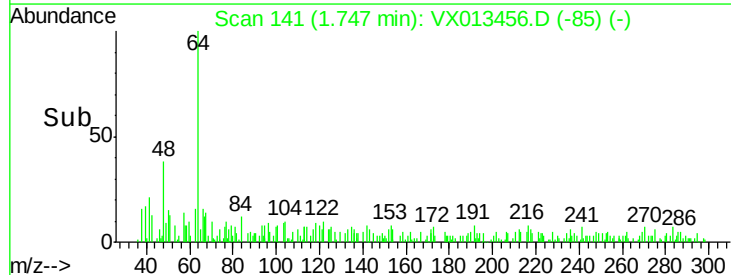
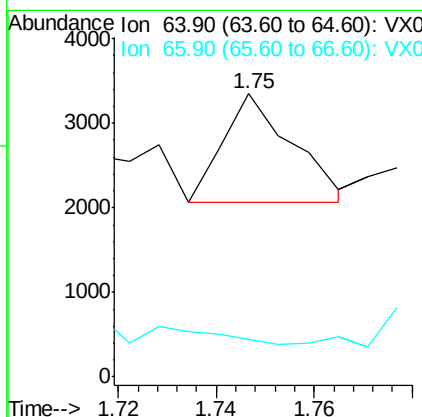
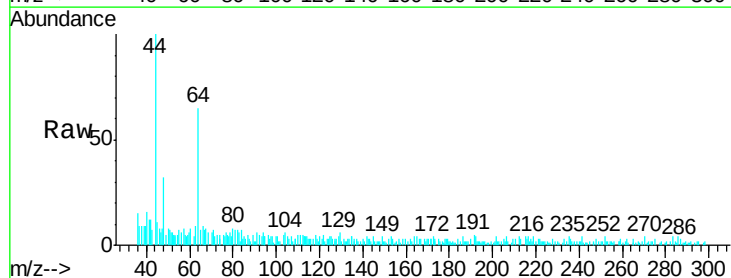
Acq: 19 Nov 2019 11:11

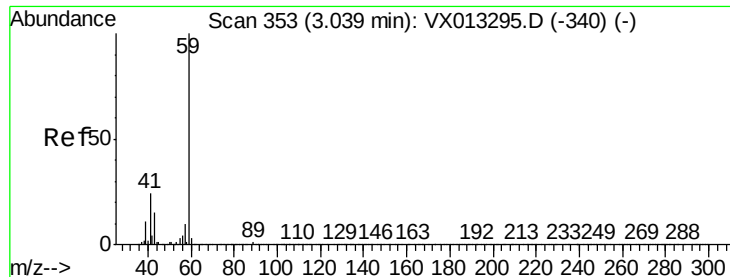
Tgt Ion: 64 Resp: 1253

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



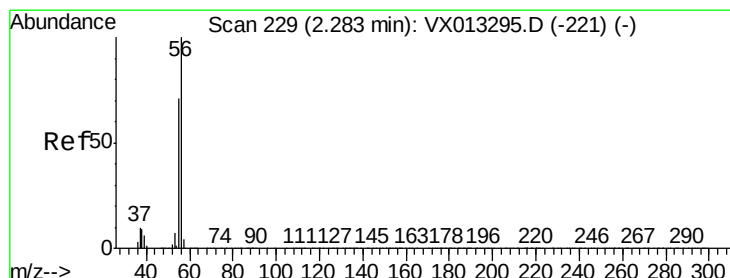
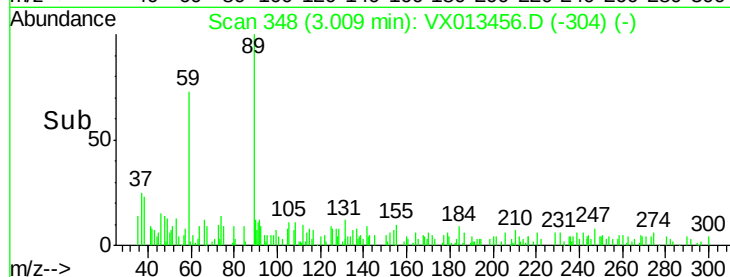
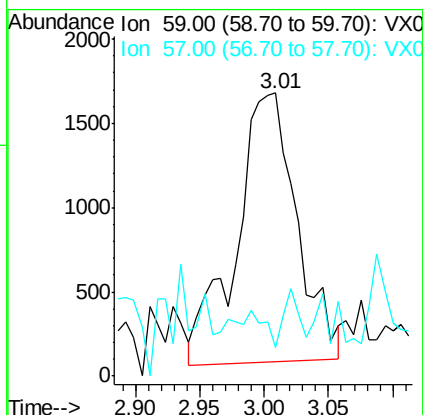
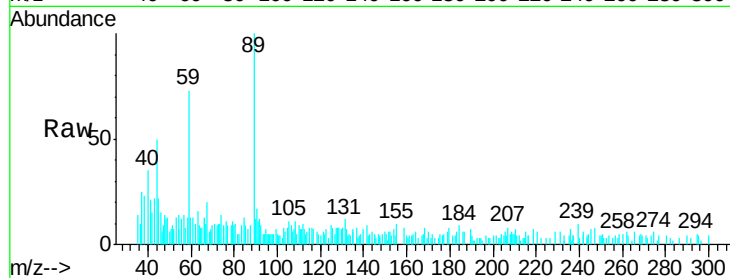


#11

Tert butyl alcohol
Concen: 2.296 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

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

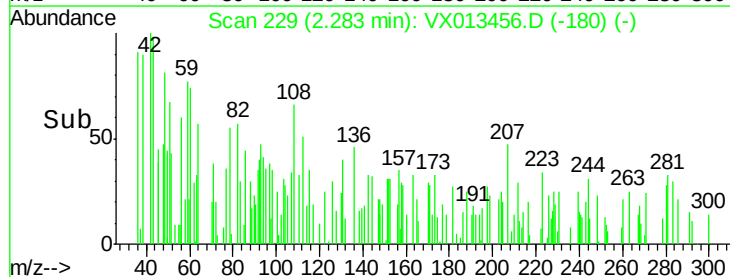
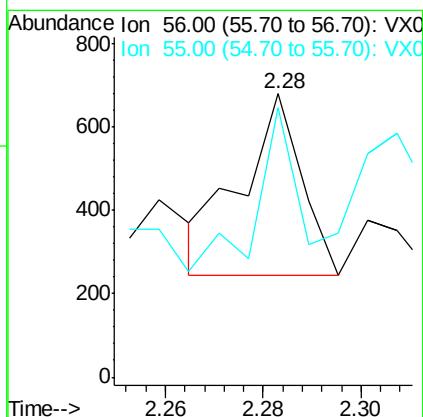
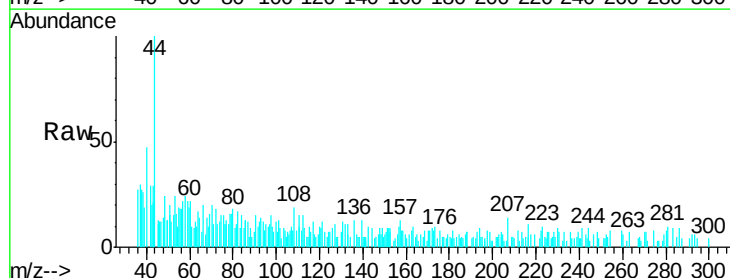
Tgt Ion: 59 Resp: 5243
Ion Ratio Lower Upper
59 100
57 5.5 8.0 12.0#

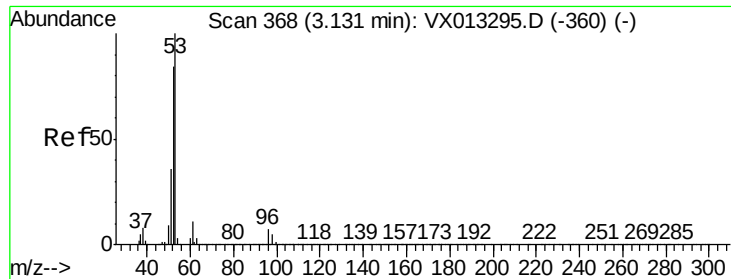


#13

Acrolein
Concen: 0.298 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

Tgt Ion: 56 Resp: 369
Ion Ratio Lower Upper
56 100
55 57.7 57.4 86.0





#15

Acrylonitrile

Concen: 0.368 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013456.D

Acq: 19 Nov 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

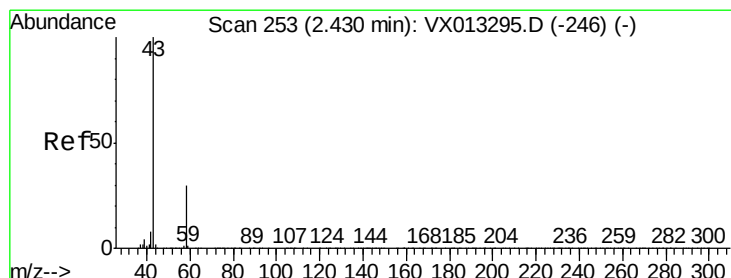
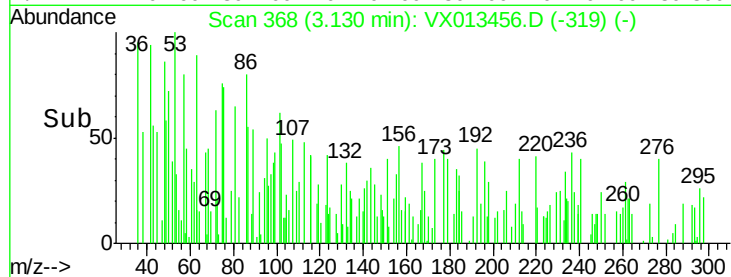
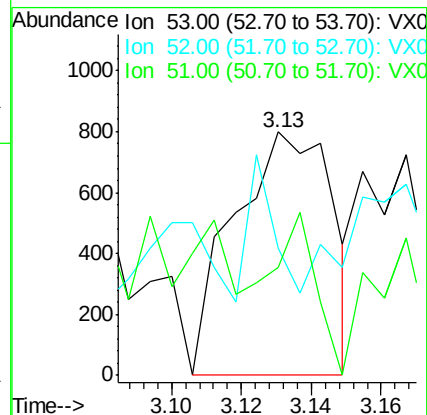
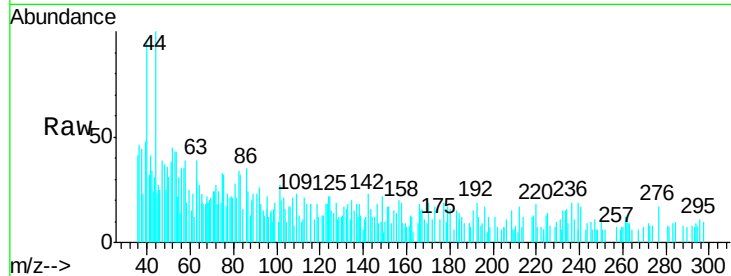
Tgt Ion: 53 Resp: 1571

Ion Ratio Lower Upper

53 100

52 16.9 67.4 101.0#

51 26.4 29.4 44.2#



#16

Acetone

Concen: 1.627 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013456.D

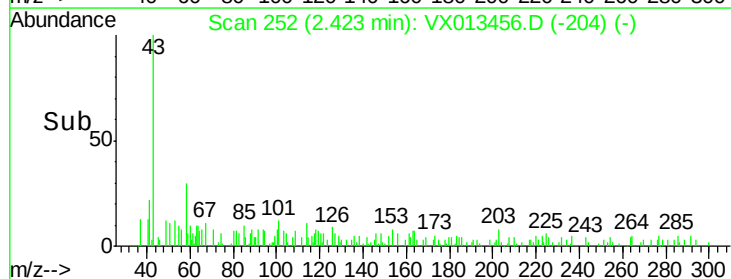
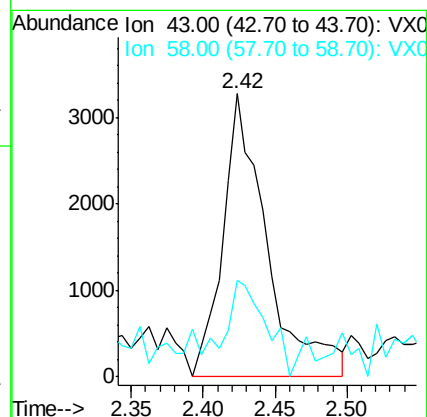
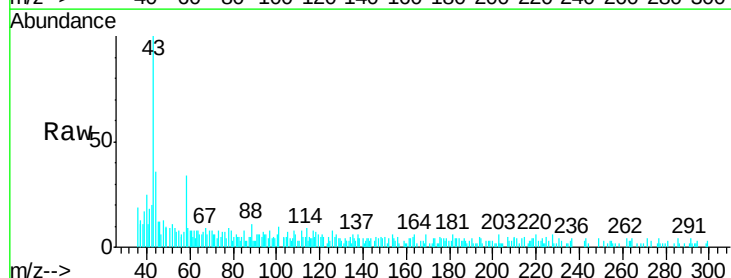
Acq: 19 Nov 2019 11:11

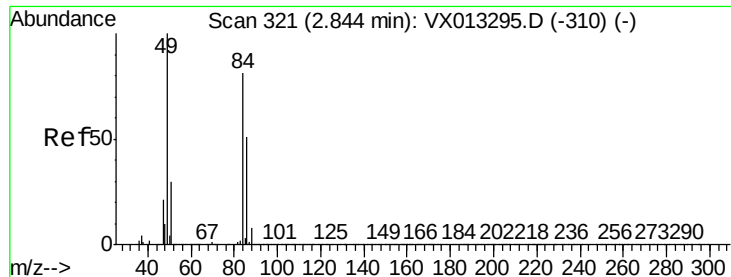
Tgt Ion: 43 Resp: 7030

Ion Ratio Lower Upper

43 100

58 18.8 24.3 36.5#

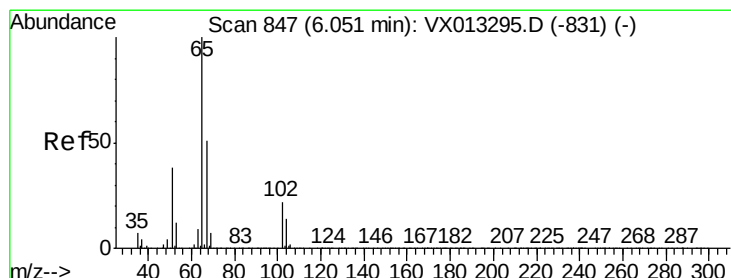
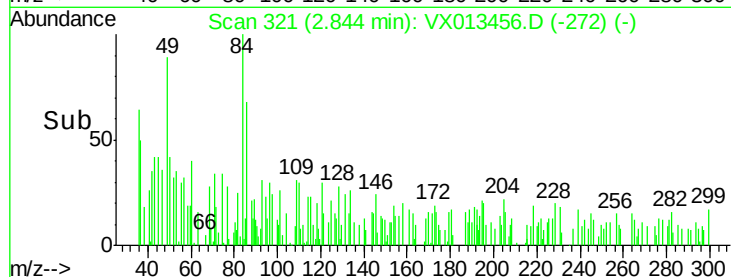
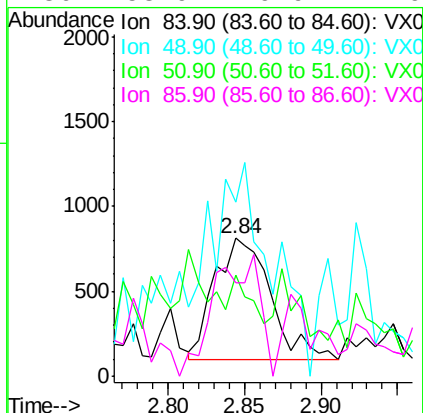
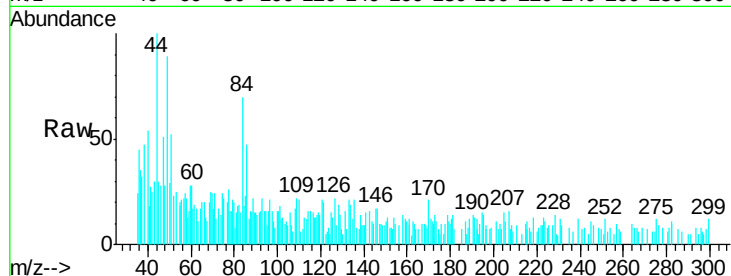




#20
Methylene Chloride
Concen: 0.227 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

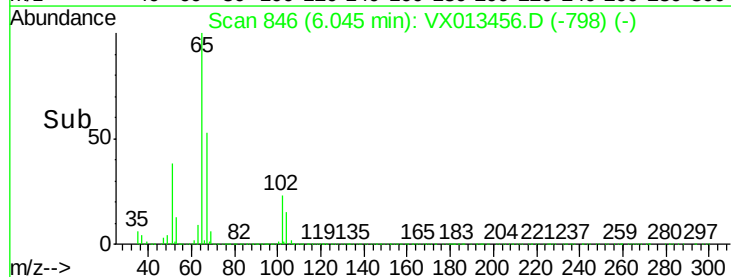
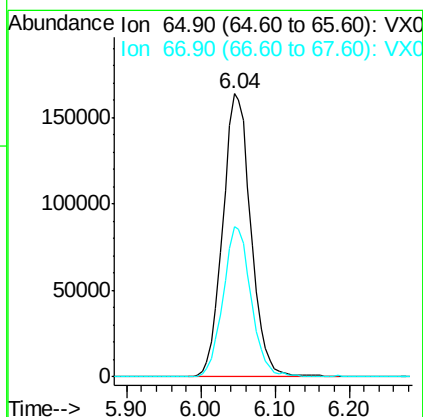
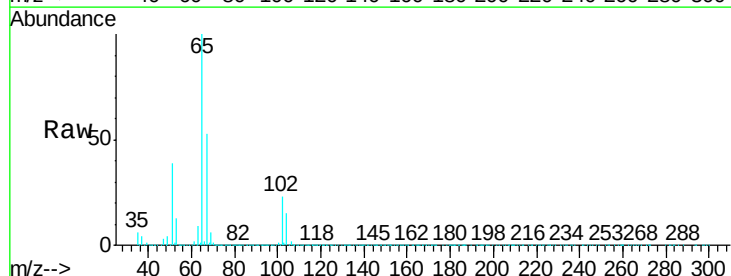
Instrument :
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ClientSampleId :
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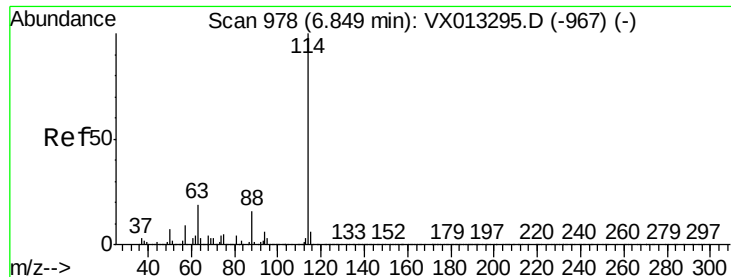
Tgt Ion:	84	Resp:	1809
Ion	Ratio	Lower	Upper
84	100		
49	102.0	98.2	147.4
51	37.7	29.9	44.9
86	58.9	49.9	74.9



#33
1,2-Dichloroethane-d4
Concen: 49.490 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

Tgt Ion:	65	Resp:	428828
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013456.D

Acq: 19 Nov 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

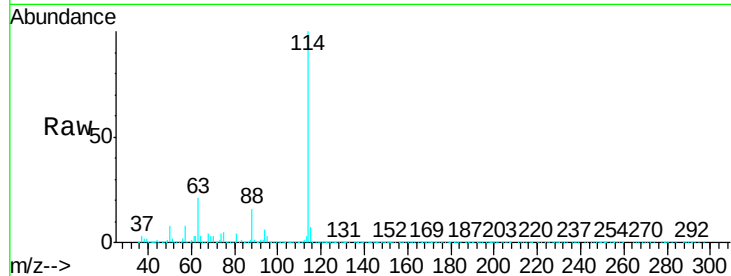
Tgt Ion:114 Resp: 1164653

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

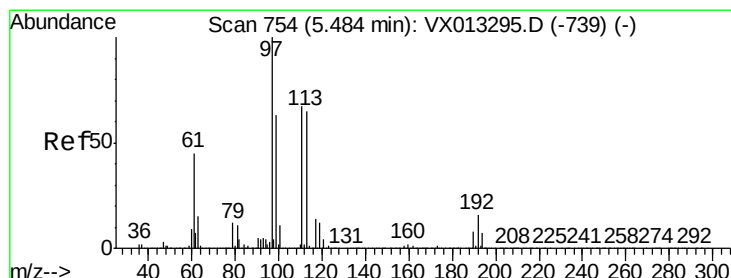
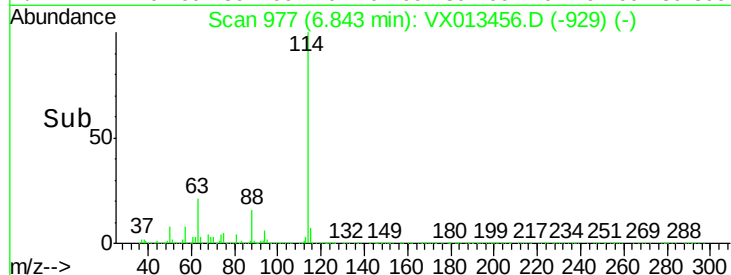
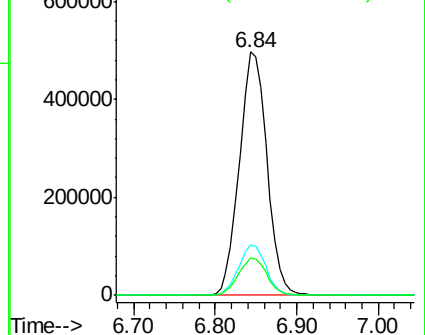
88 15.5 0.0 32.2



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: 48.776 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013456.D

Acq: 19 Nov 2019 11:11

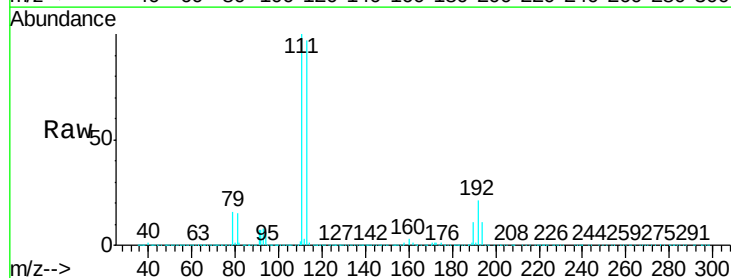
Tgt Ion:113 Resp: 356303

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

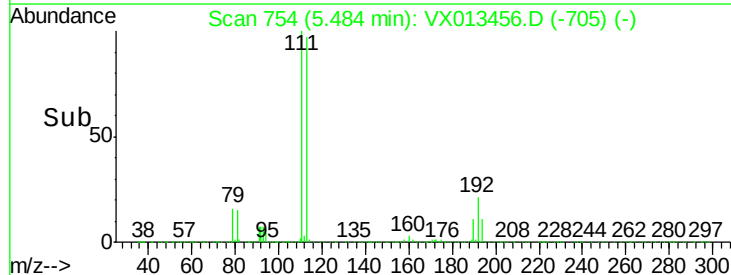
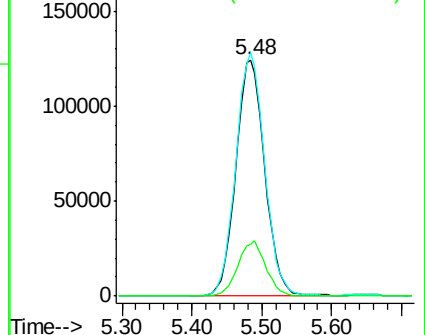
192 22.7 19.1 28.7

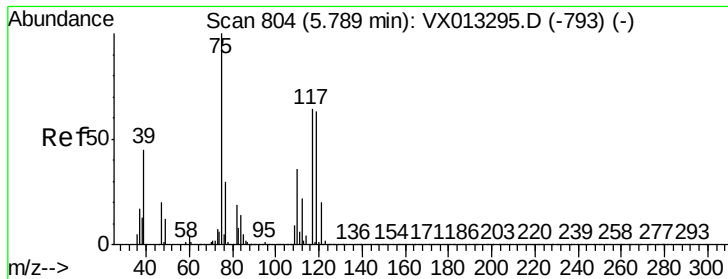


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

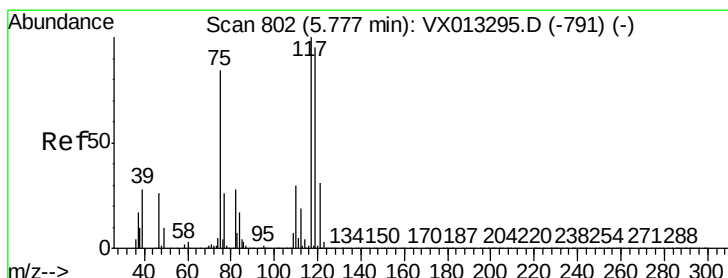
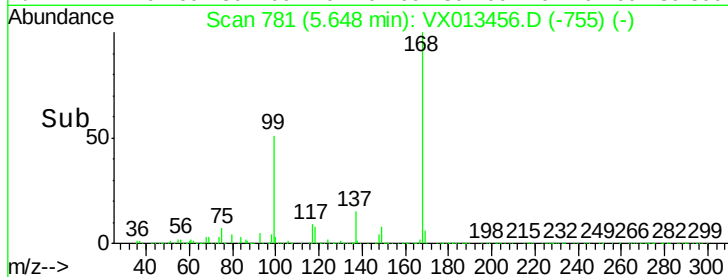
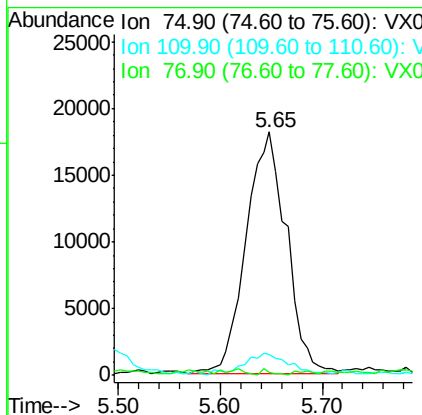
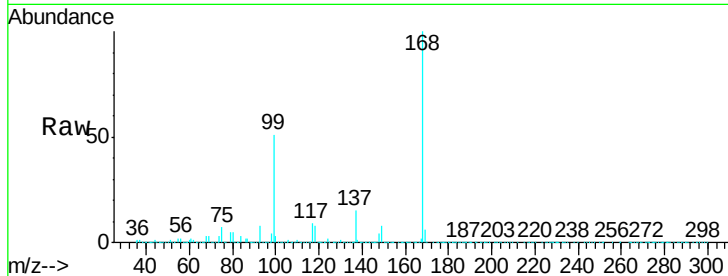




#36
 1,1-Dichloropropene
 Concen: 4.963 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013456.D
 Acq: 19 Nov 2019 11:11

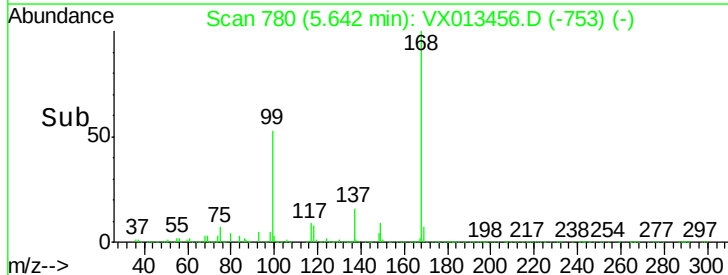
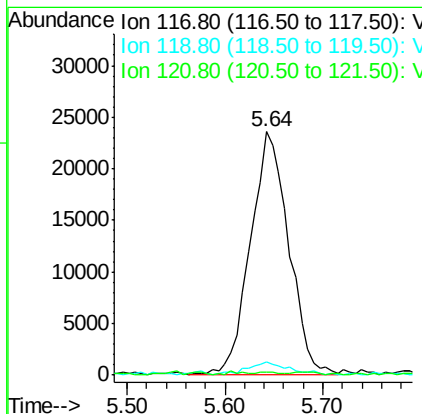
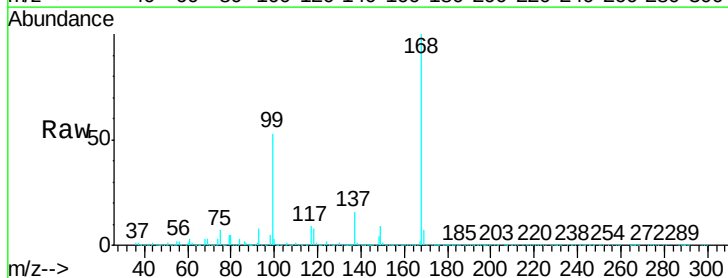
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

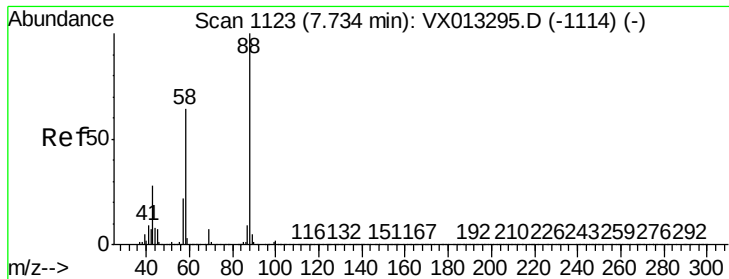
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.1	54.1#
77	0.8	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.617 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013456.D
 Acq: 19 Nov 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.1	114.1#
121	0.6	24.6	37.0#

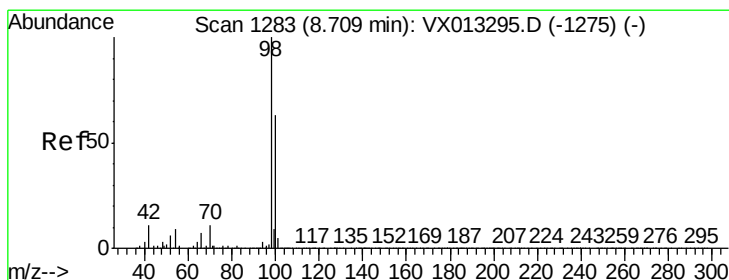
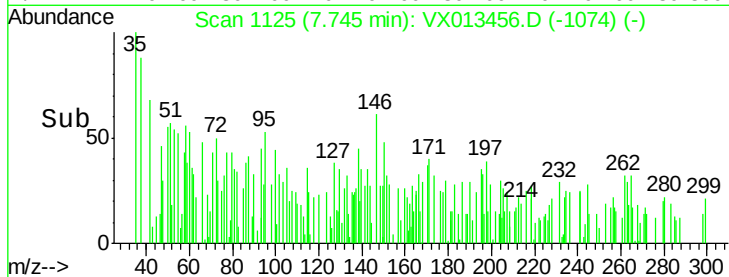
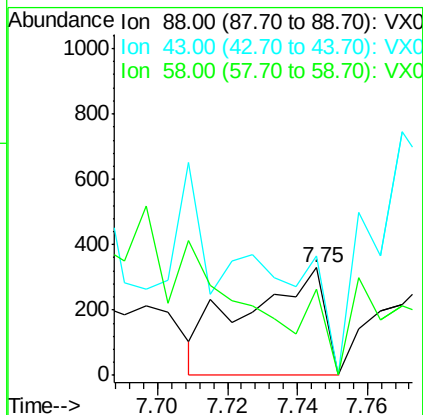
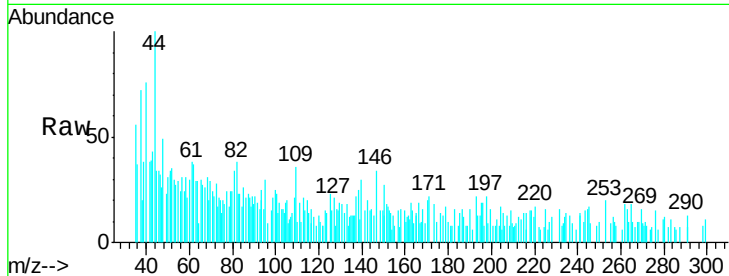




#49
1,4-Dioxane
Concen: 2.339 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

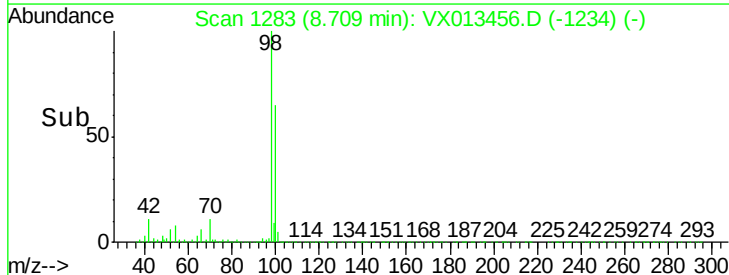
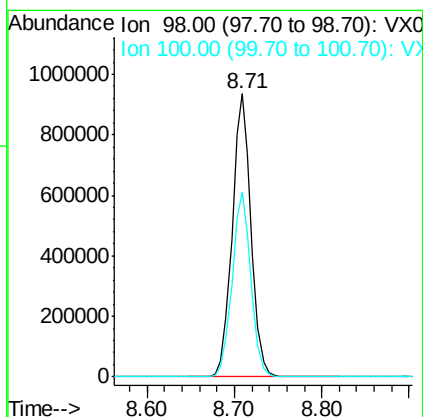
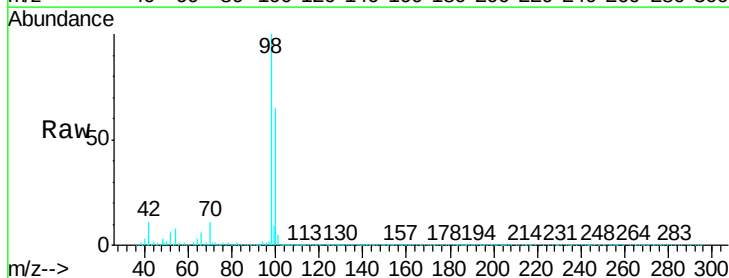
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

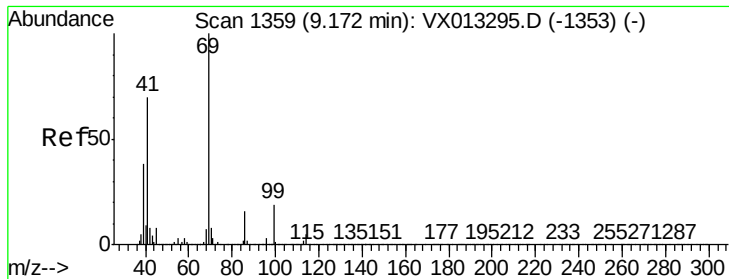
Tgt Ion: 88 Resp: 514
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 0.0 55.0 82.6#



#50
Toluene-d8
Concen: 50.847 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

Tgt Ion: 98 Resp: 1400265
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.586 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013456.D

Acq: 19 Nov 2019 11:11

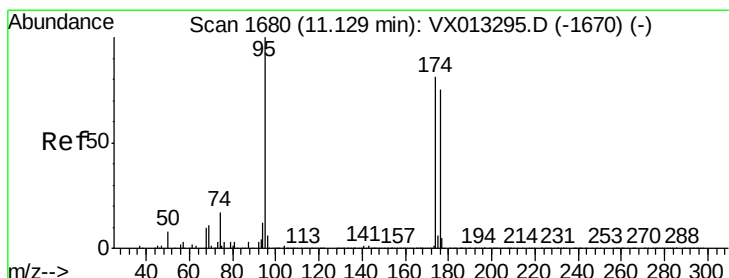
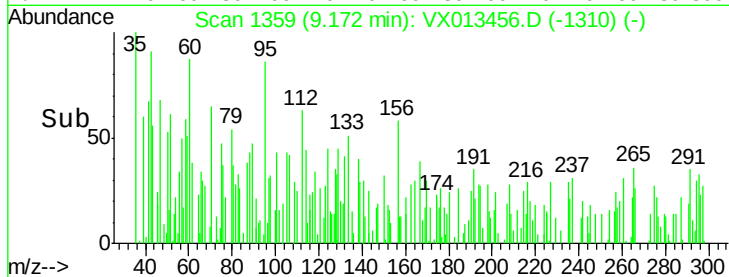
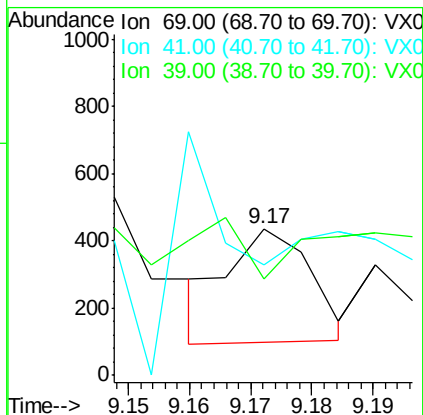
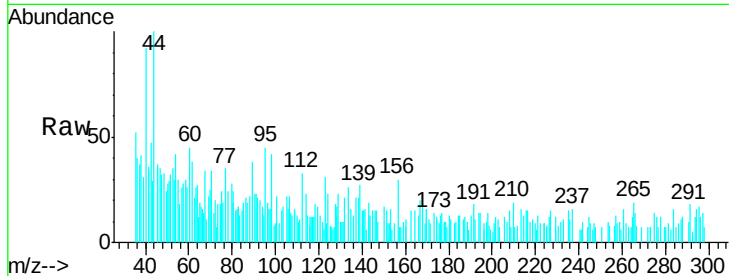
Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tgt Ion:	69	Resp:	317
Ion	Ratio	Lower	Upper
69	100		
41	166.9	56.2	84.2#
39	0.0	31.1	46.7#



#62

4-Bromofluorobenzene

Concen: 46.724 ug/l

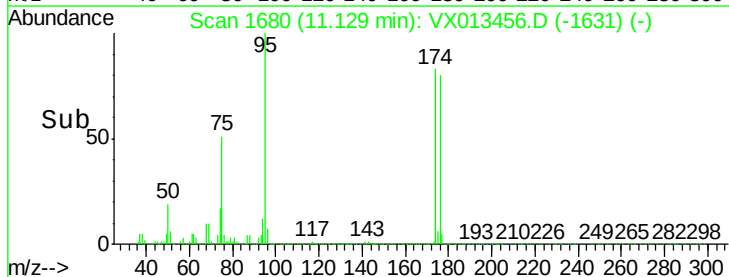
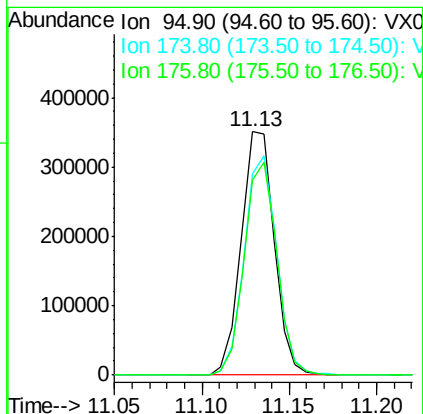
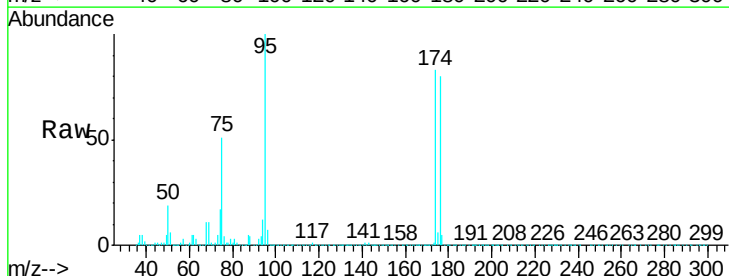
RT: 11.13 min Scan# 1680

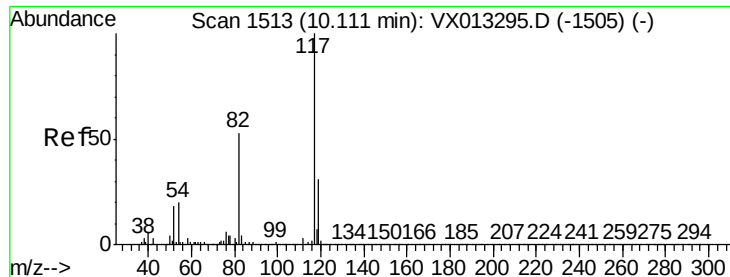
Delta R.T. -0.00 min

Lab File: VX013456.D

Acq: 19 Nov 2019 11:11

Tgt Ion:	95	Resp:	464382
Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	179.8
176	86.5	0.0	173.0

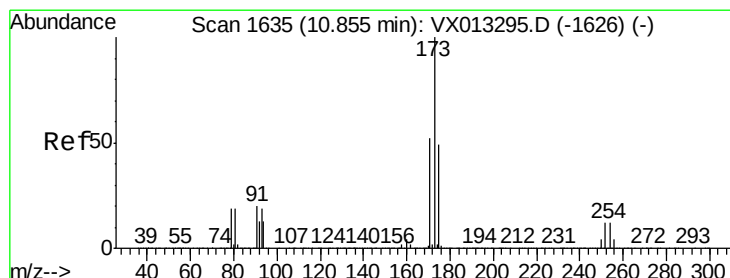
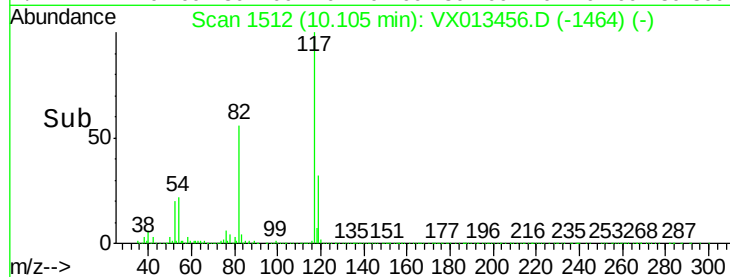
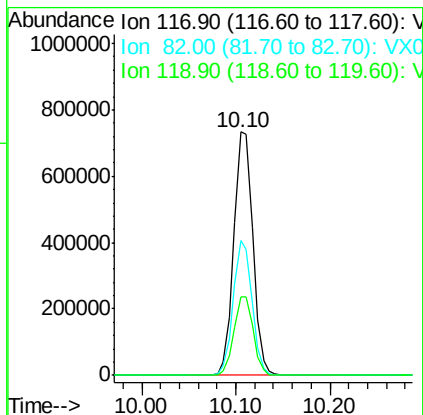
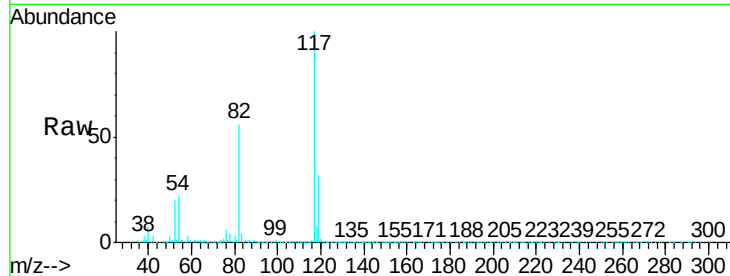




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

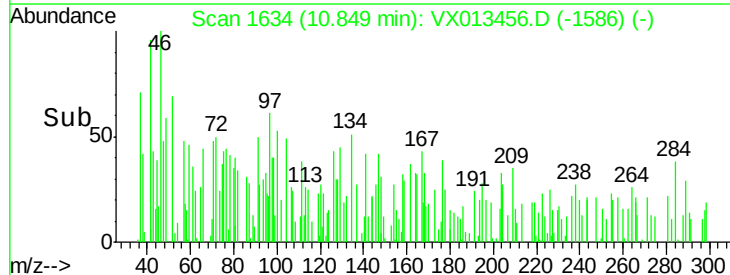
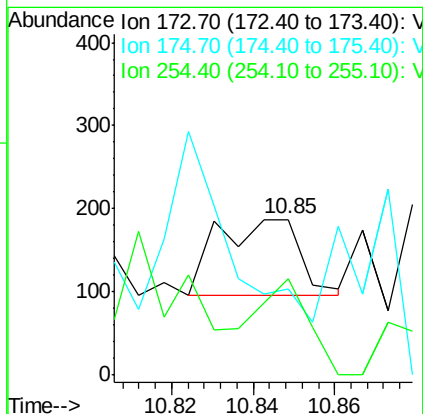
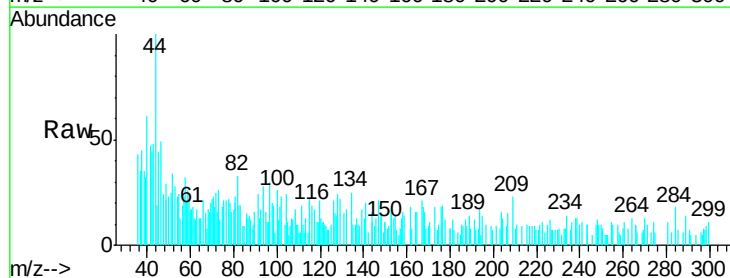
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

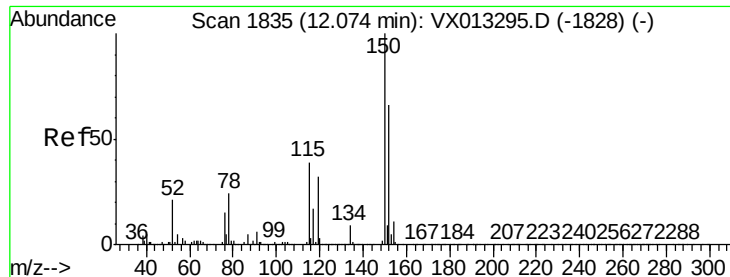
Tgt Ion:117 Resp: 1035714
Ion Ratio Lower Upper
117 100
82 55.5 42.6 64.0
119 32.0 24.8 37.2



#71
Bromoform
Concen: 3.219 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

Tgt Ion:173 Resp: 127
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 74.8 0.2 0.2#



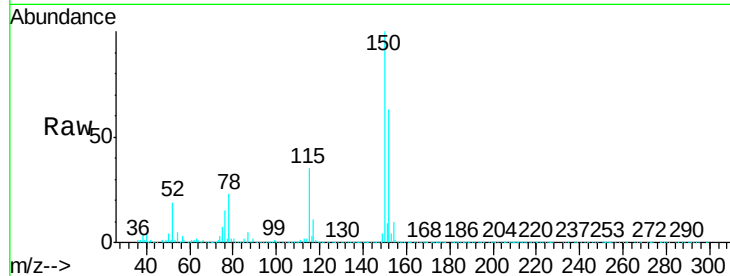


#72

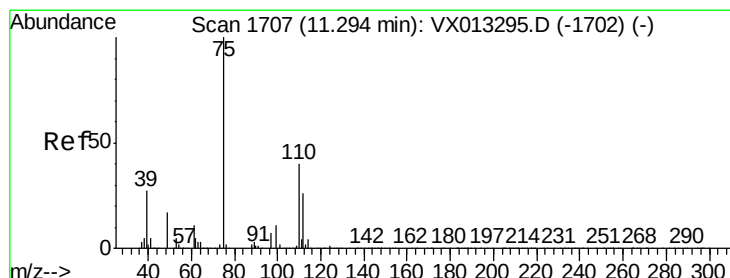
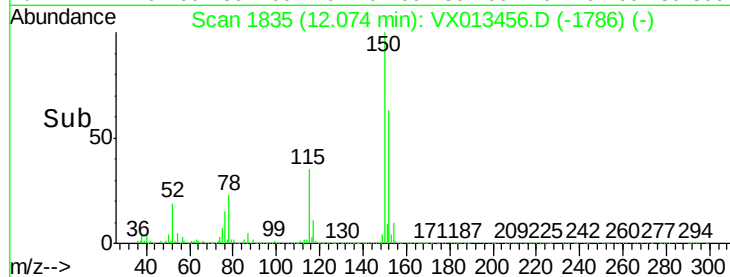
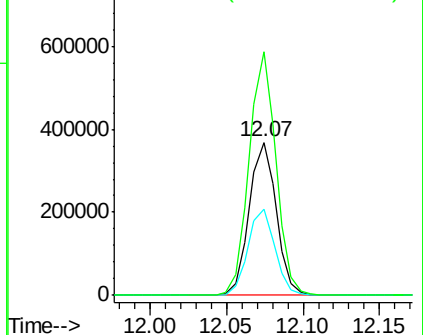
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

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

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	39.5	118.3
150	158.3	0.0	344.4



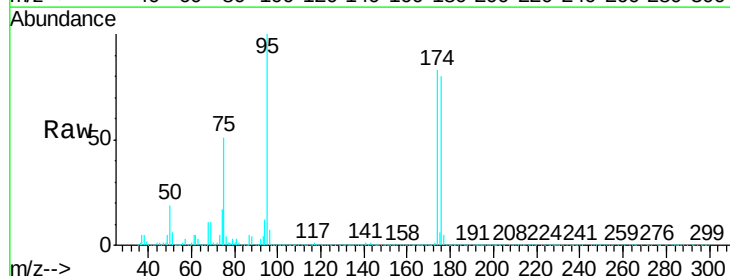
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



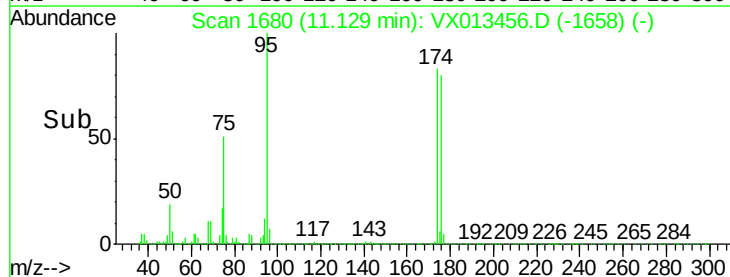
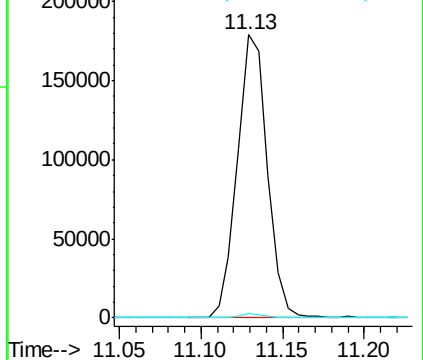
#76

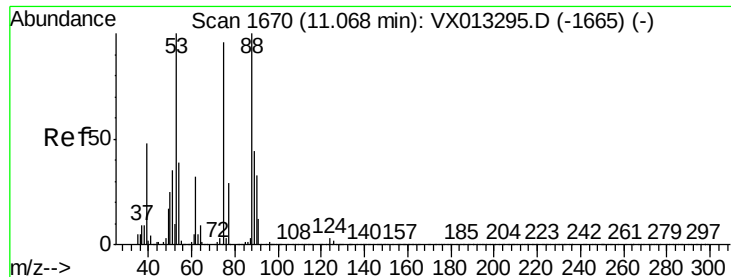
1,2,3-Trichloropropane
Concen: 25.094 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013456.D
Acq: 19 Nov 2019 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	22.3	66.8#



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: 64.592 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013456.D
 Acq: 19 Nov 2019 11:11

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

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	81.0	121.6#
89	0.0	36.0	54.0#

