

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022619\
 Data File : VX007716.D
 Acq On : 26 Feb 2019 16:26
 Operator : JC/SP
 Sample : K1580-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 27 00:17:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	343187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	580497	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	548032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251603	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	207276	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	5.50	113	197516	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	8.71	98	702602	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	11.13	95	245838	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

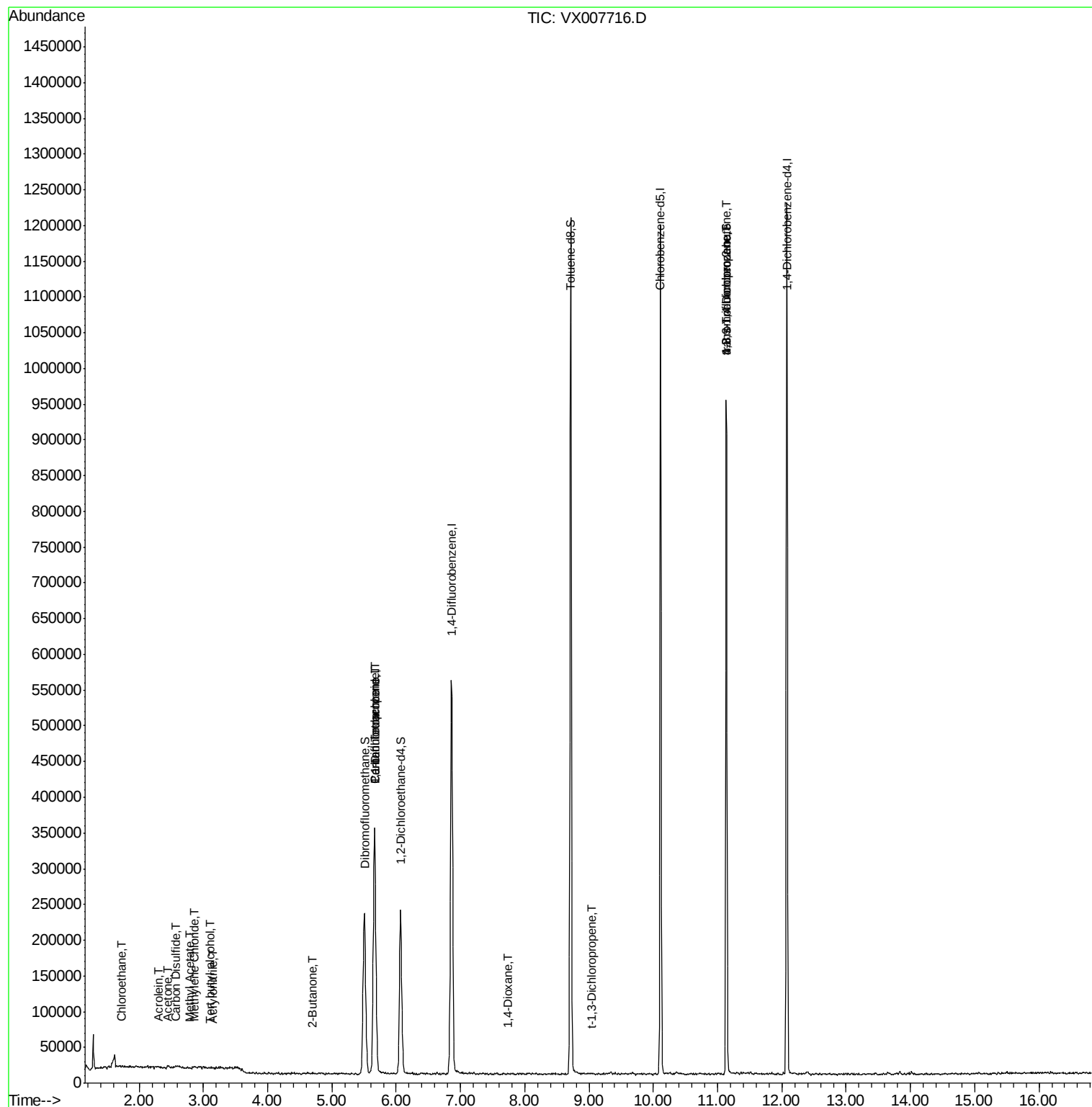
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	439	Below Cal		96
6) Chloroethane	1.73	64	675	0.294	ug/l #	43
11) Tert butyl alcohol	3.10	59	422	0.523	ug/l #	1
13) Acrolein	2.31	56	421	0.587	ug/l #	52
15) Acrylonitrile	3.15	53	462	0.243	ug/l #	1
16) Acetone	2.45	43	1620	0.857	ug/l #	86
17) Carbon Disulfide	2.57	76	2045	0.245	ug/l #	91
18) Methyl Acetate	2.78	43	1288	0.312	ug/l #	83
20) Methylene Chloride	2.86	84	1805	0.517	ug/l #	74
25) 2-Butanone	4.70	43	587	0.204	ug/l #	88
36) 1,1-Dichloropropene	5.66	75	24567	4.707	ug/l #	51
38) Carbon Tetrachloride	5.66	117	32611	6.221	ug/l #	17
49) 1,4-Dioxane	7.74	88	83	0.822	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	665	2.903	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	120852	22.534	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	120852	59.760	ug/l #	9

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022619\
Data File : VX007716.D
Acq On : 26 Feb 2019 16:26
Operator : JC/SP
Sample : K1580-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 27 00:17:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

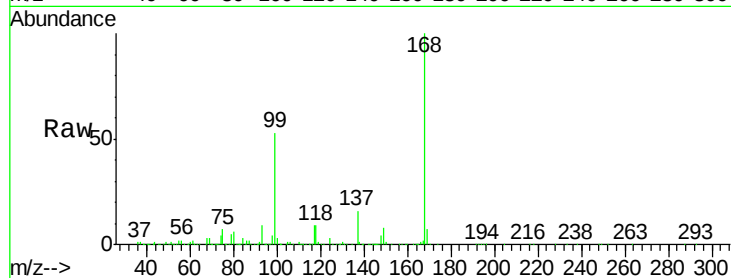
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 343187

Ion Ratio Lower Upper

168 100

99 52.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

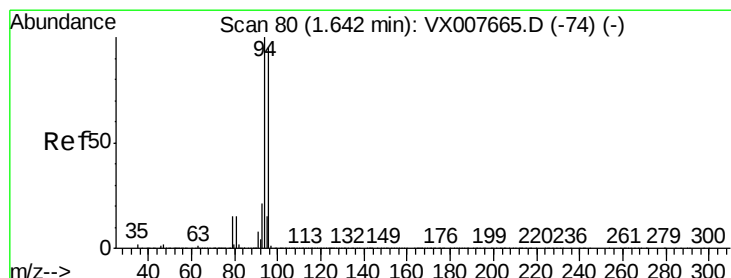
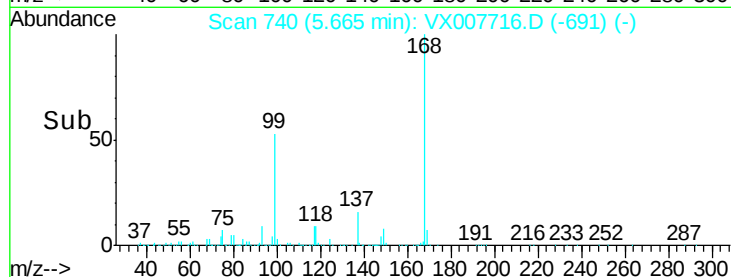
5.67

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007716.D

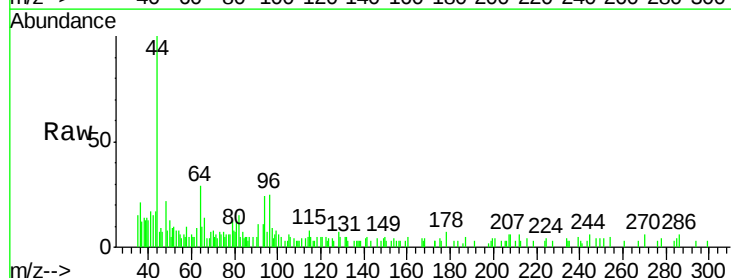
Acq: 26 Feb 2019 16:26

Tgt Ion: 94 Resp: 439

Ion Ratio Lower Upper

94 100

96 96.1 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

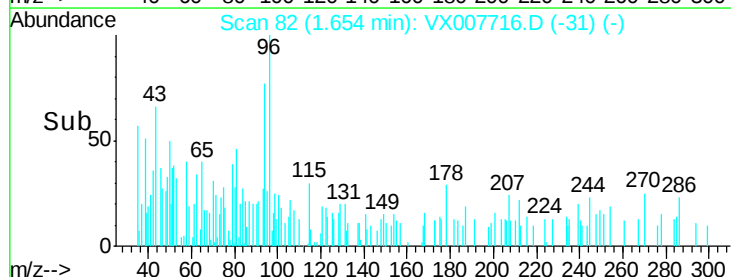
300

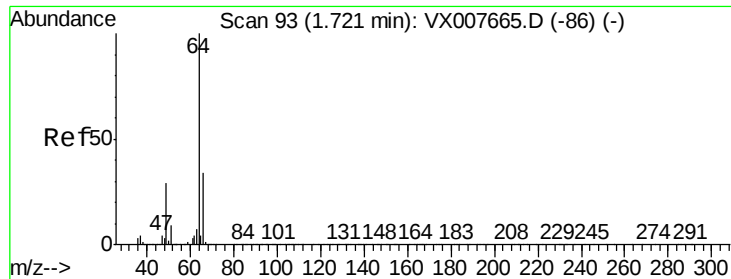
200

100

0

Time-->





#6

Chloroethane

Concen: 0.294 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

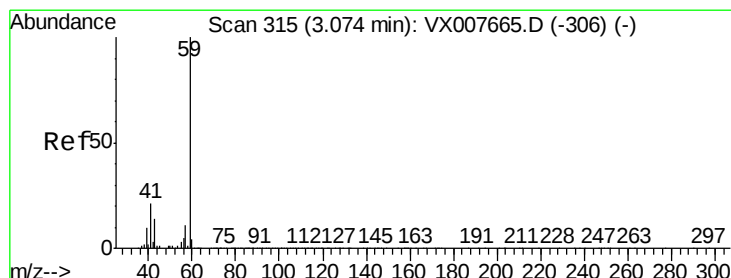
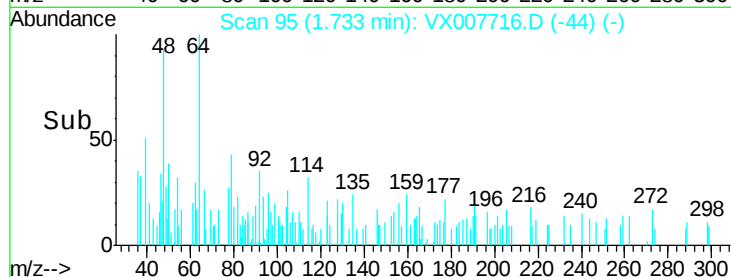
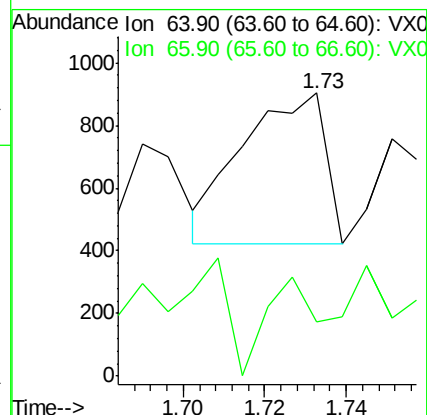
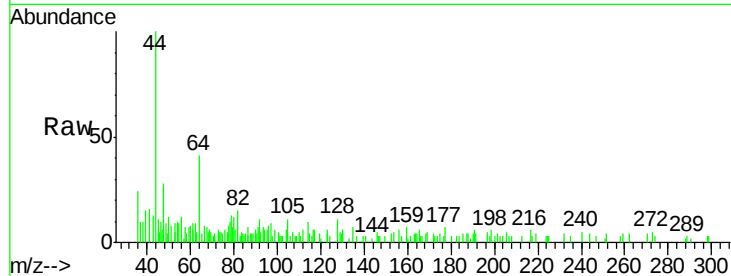
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 64 Resp: 675

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#11

Tert butyl alcohol

Concen: 0.523 ug/l

RT: 3.10 min Scan# 320

Delta R.T. 0.03 min

Lab File: VX007716.D

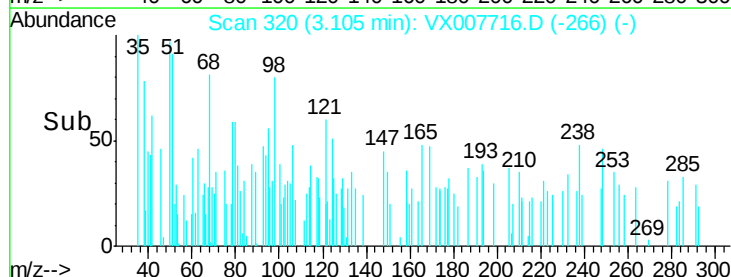
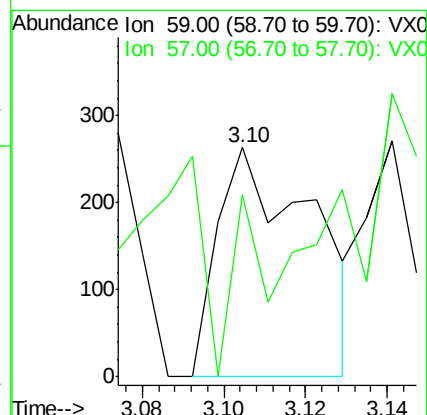
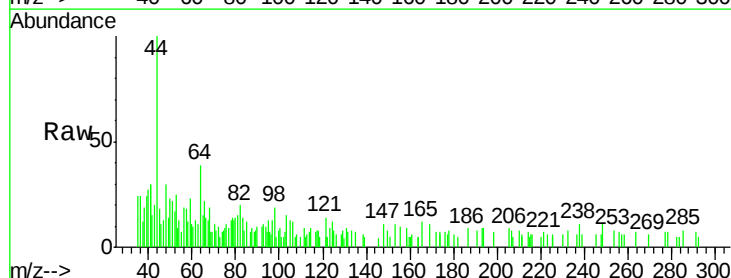
Acq: 26 Feb 2019 16:26

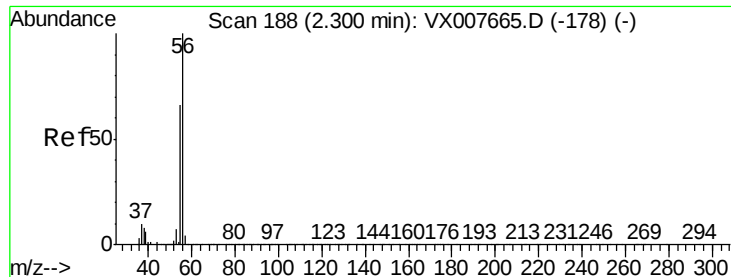
Tgt Ion: 59 Resp: 422

Ion Ratio Lower Upper

59 100

57 68.2 8.1 12.1#





#13

Acrolein

Concen: 0.587 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

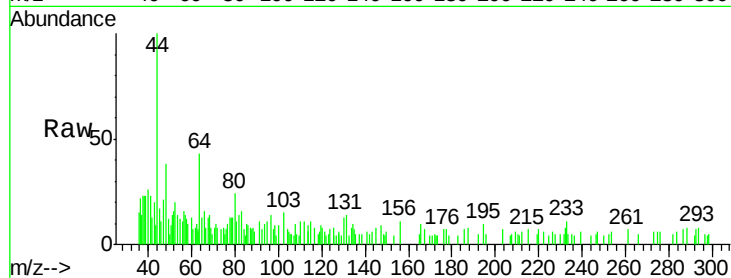
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 421

Ion Ratio Lower Upper

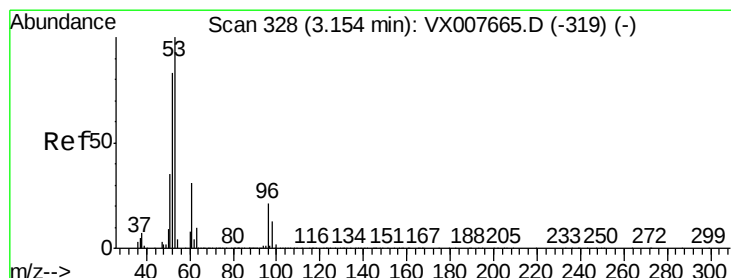
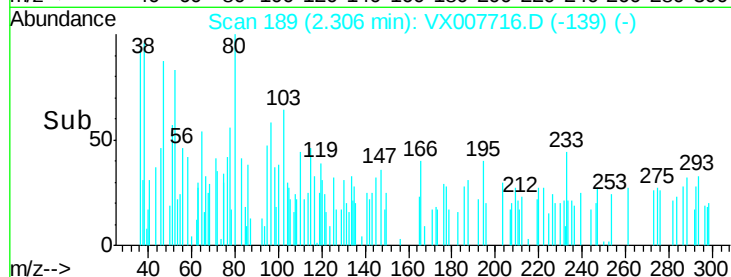
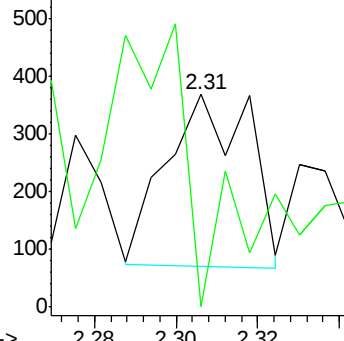
56 100

55 110.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.243 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

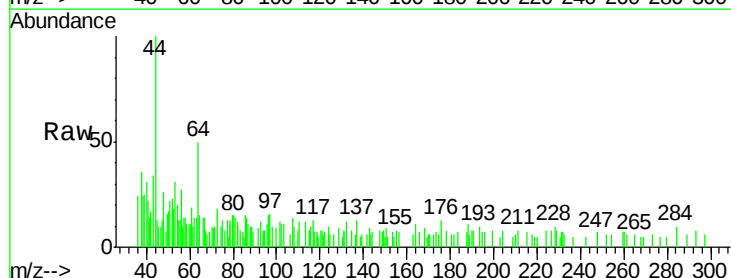
Tgt Ion: 53 Resp: 462

Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

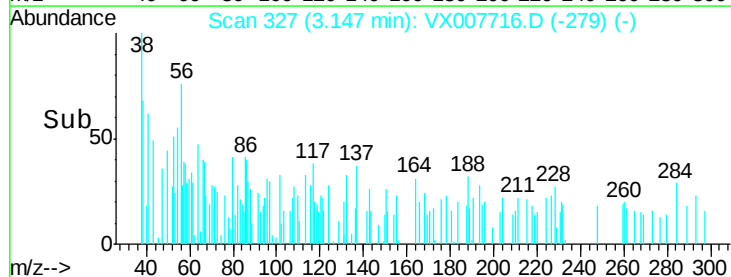
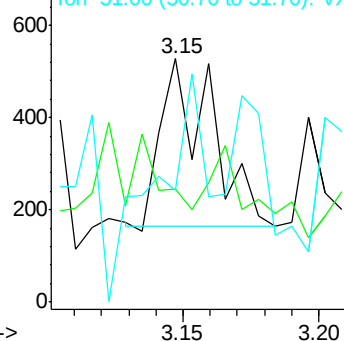
51 134.2 28.4 42.6#

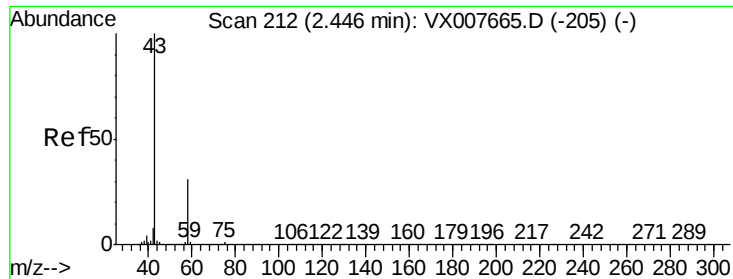


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.857 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

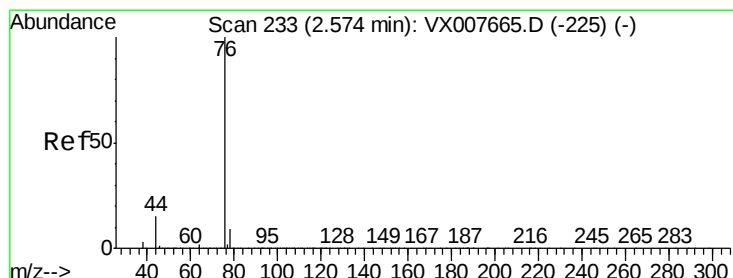
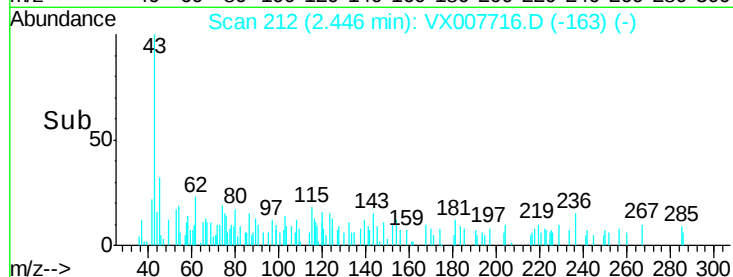
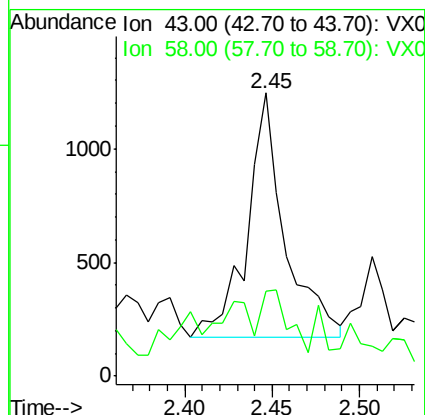
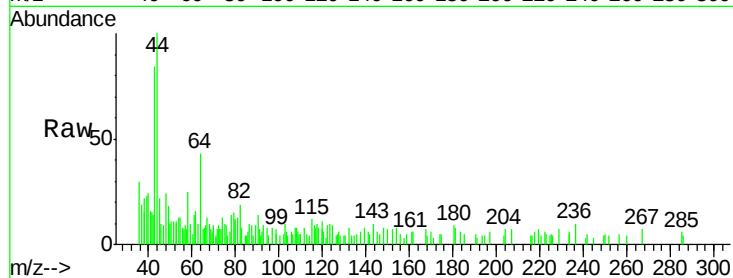
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

58 23.3 24.9 37.3#



#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007716.D

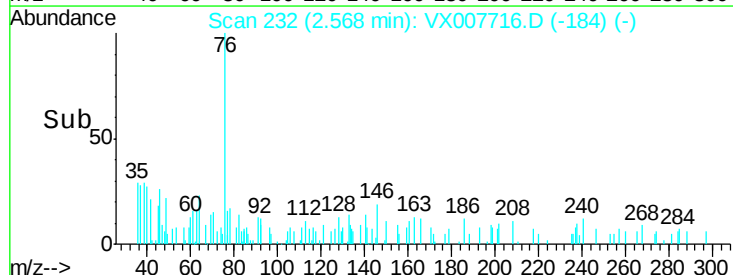
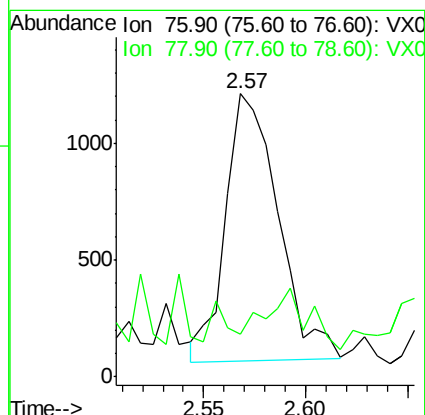
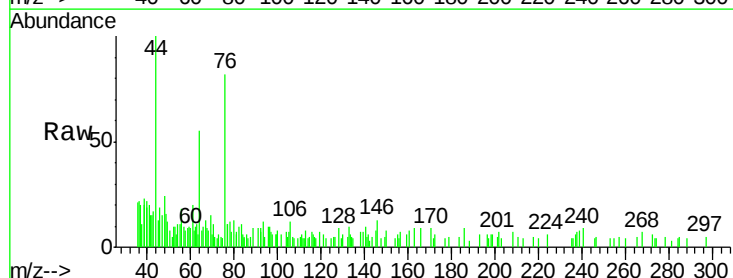
Acq: 26 Feb 2019 16:26

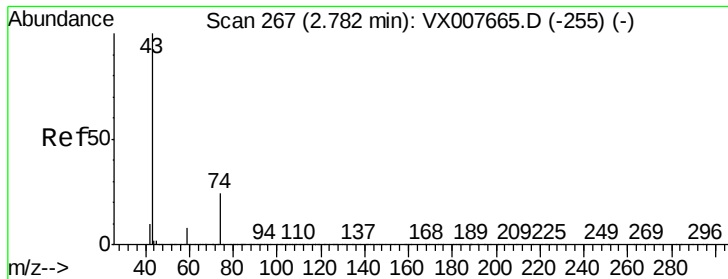
Tgt Ion: 76 Resp: 2045

Ion Ratio Lower Upper

76 100

78 5.7 7.1 10.7#

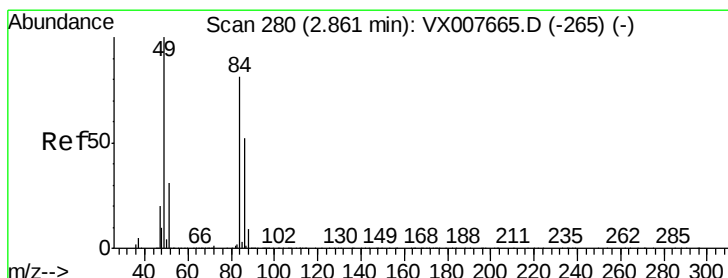
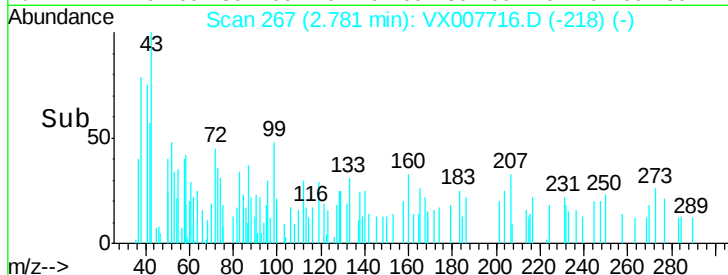
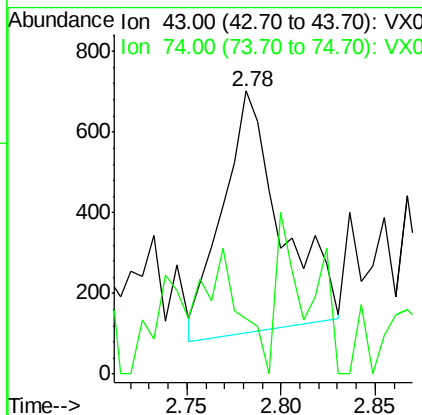
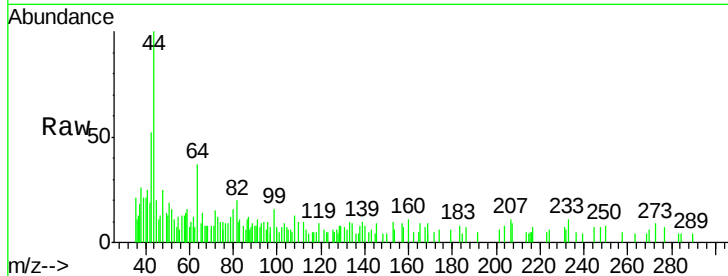




#18
Methyl Acetate
Concen: 0.312 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007716.D
Acq: 26 Feb 2019 16:26

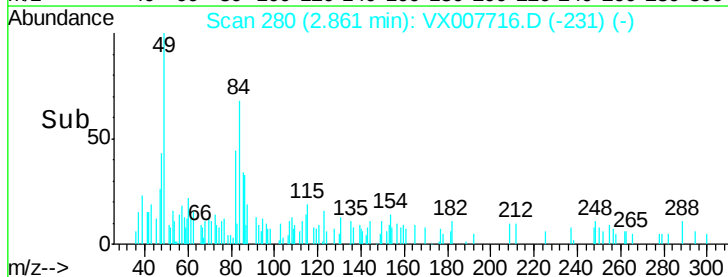
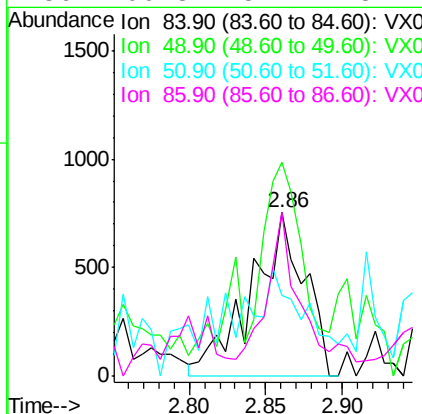
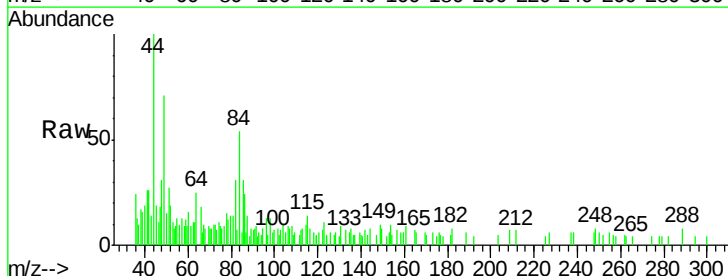
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

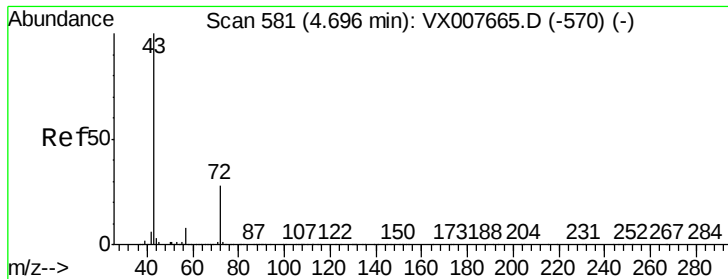
Tot Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
74 32.5 19.4 29.2#



#20
Methylene Chloride
Concen: 0.517 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007716.D
Acq: 26 Feb 2019 16:26

Tgt Ion: 84 Resp: 1805
Ion Ratio Lower Upper
84 100
49 146.8 94.8 142.2#
51 36.7 29.8 44.8
86 100.8 54.1 81.1#





#25

2-Butanone

Concen: 0.204 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

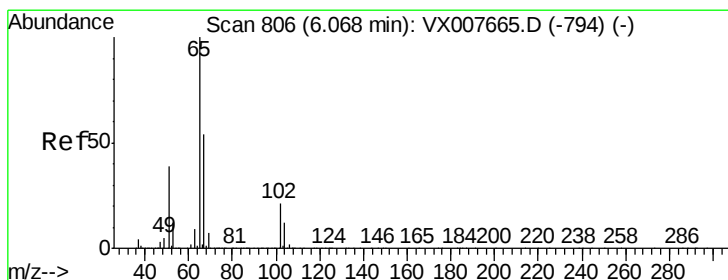
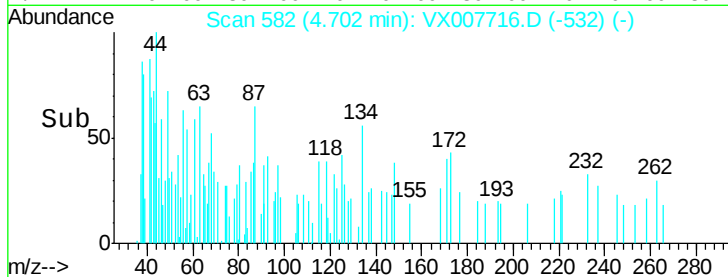
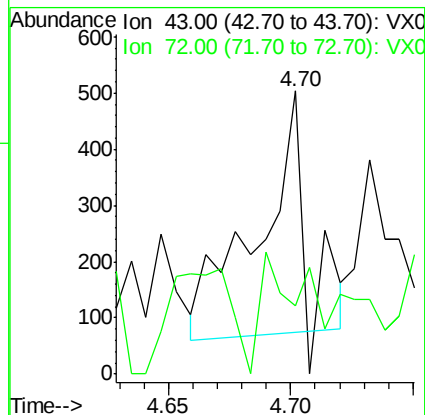
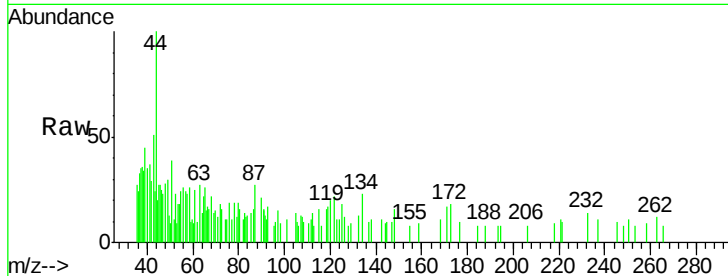
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 587

Ion Ratio Lower Upper

43 100

72 21.4 22.2 33.2#



#33

1,2-Dichloroethane-d4

Concen: 48.759 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007716.D

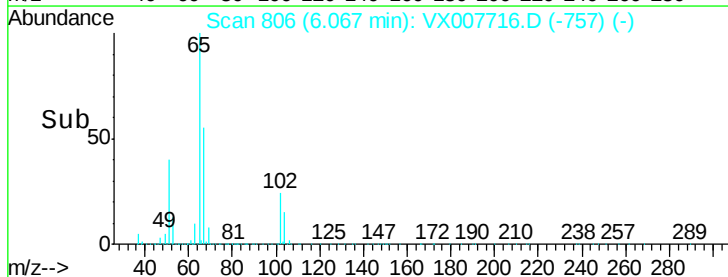
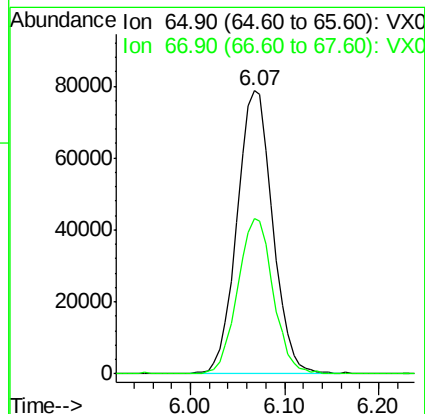
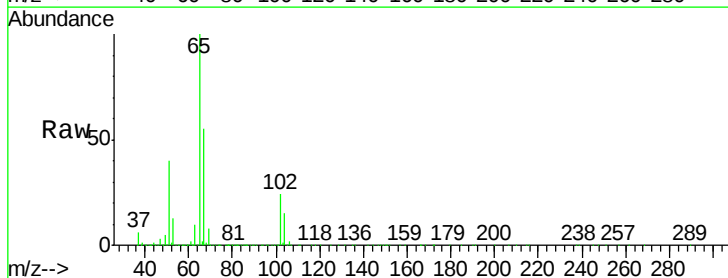
Acq: 26 Feb 2019 16:26

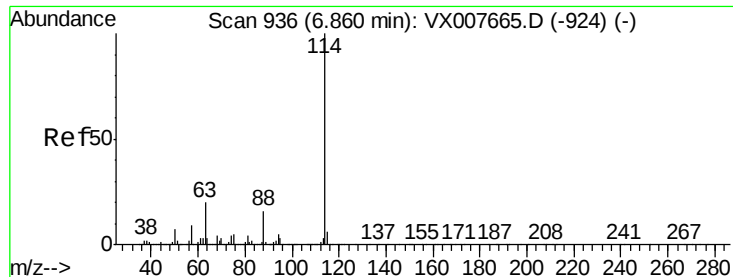
Tgt Ion: 65 Resp: 207276

Ion Ratio Lower Upper

65 100

67 55.1 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: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

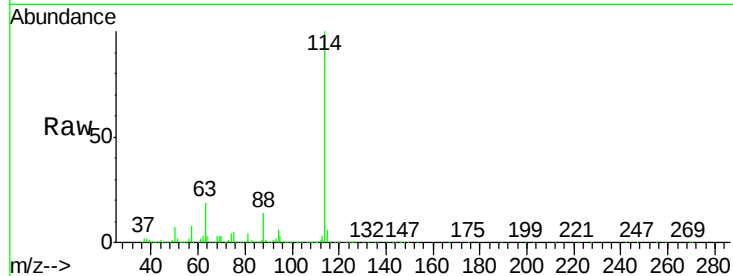
Tot Ion:114 Resp: 580497

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

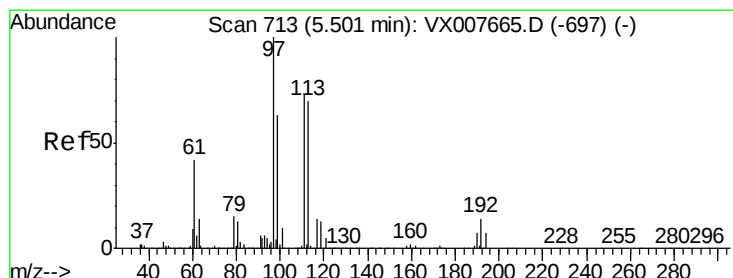
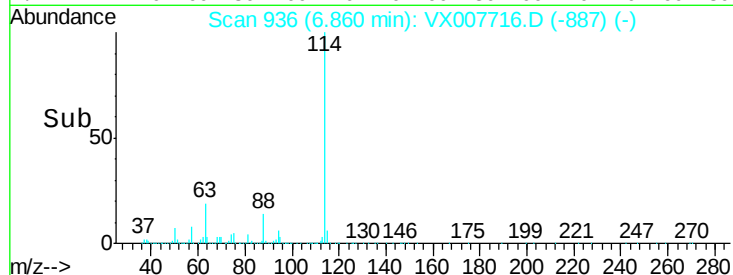
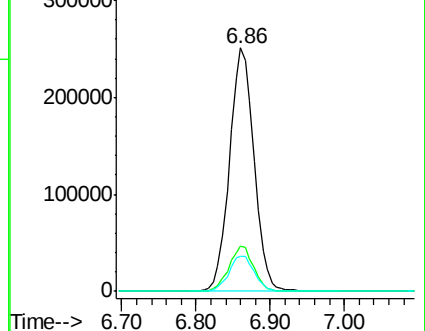
88 14.3 0.0 29.6



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: 50.900 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

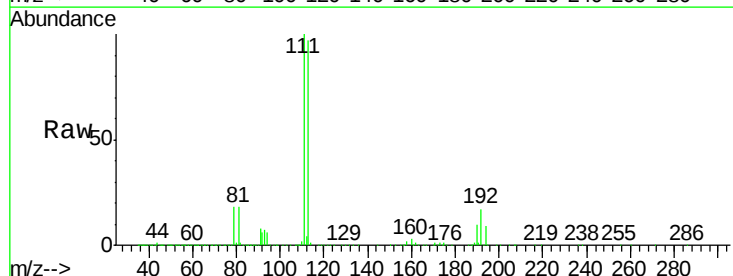
Tgt Ion:113 Resp: 197516

Ion Ratio Lower Upper

113 100

111 100.6 81.8 122.8

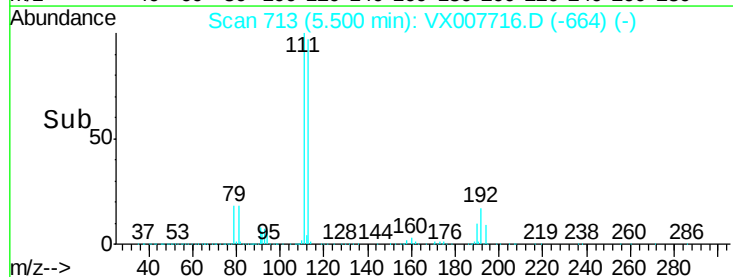
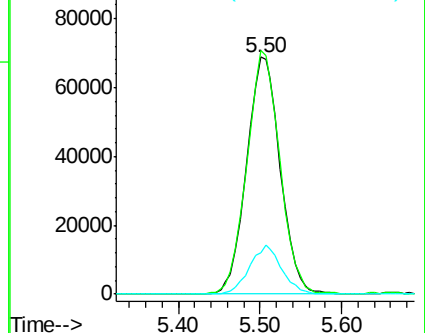
192 19.7 18.5 27.7

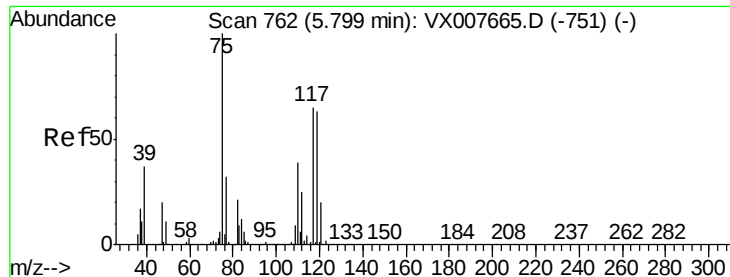


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.707 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

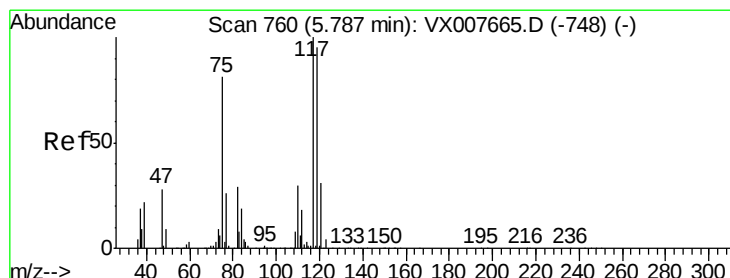
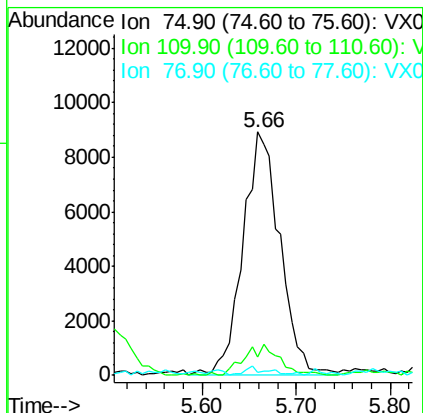
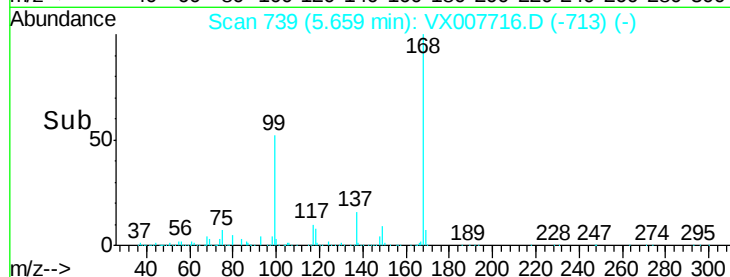
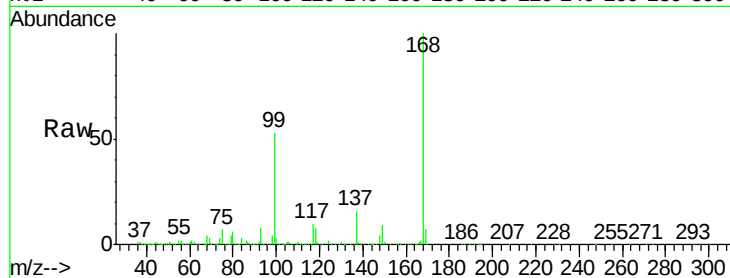
Tot Ion: 75 Resp: 24567

Ion Ratio Lower Upper

75 100

110 12.0 20.0 59.9#

77 1.6 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.221 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

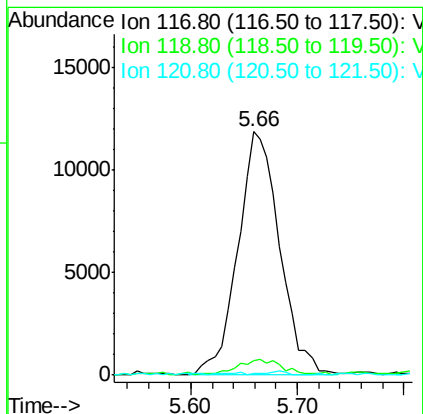
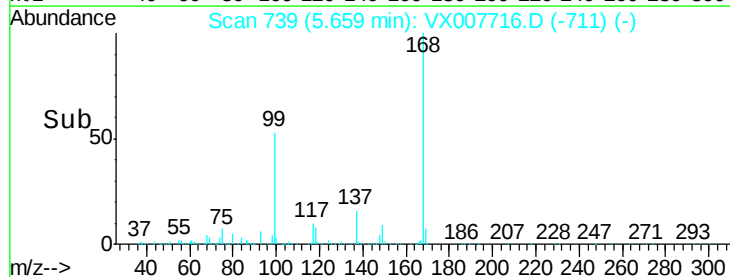
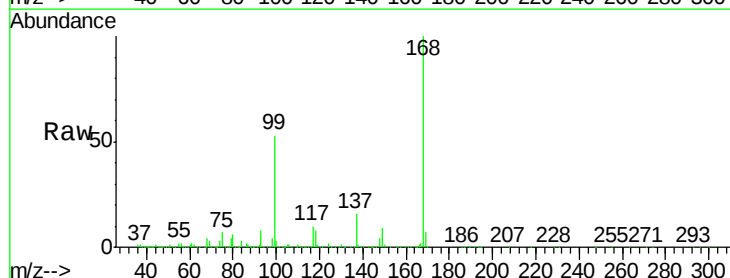
Tgt Ion: 117 Resp: 32611

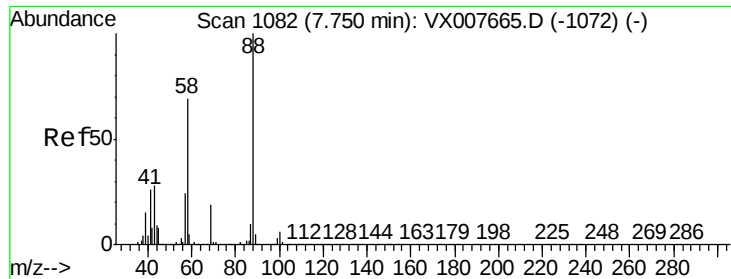
Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

121 0.0 25.0 37.4#

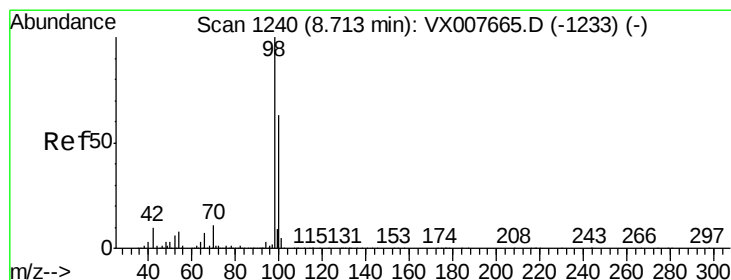
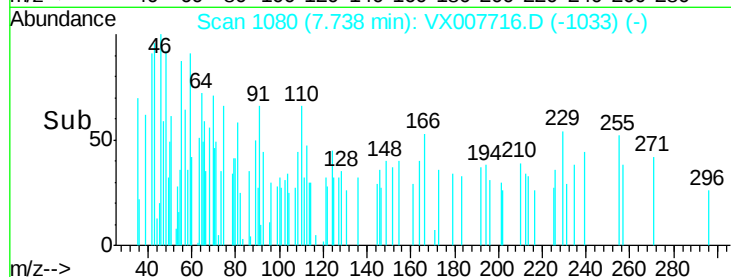
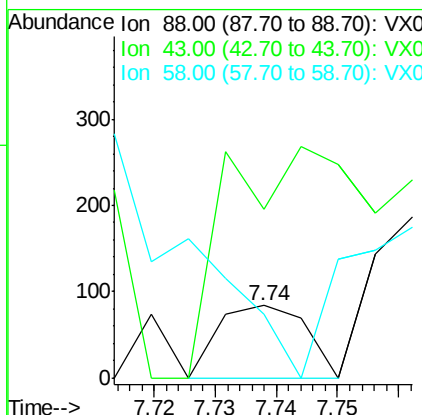
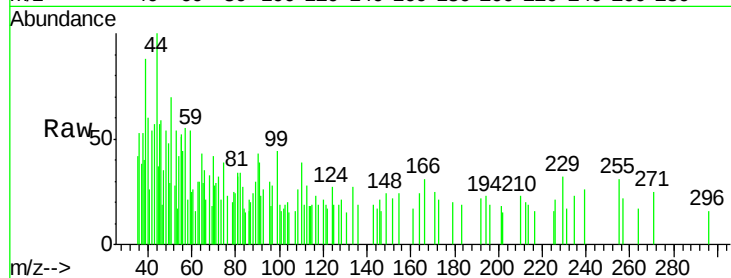




#49
1,4-Dioxane
Concen: 0.822 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX007716.D
Acq: 26 Feb 2019 16:26

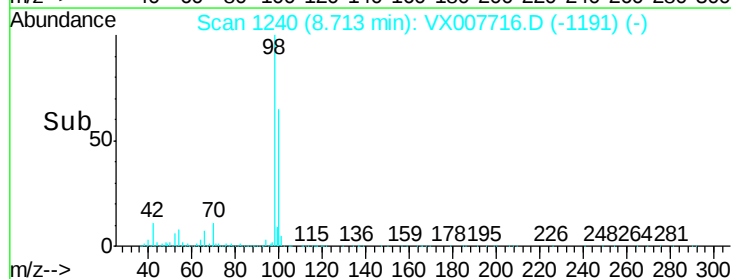
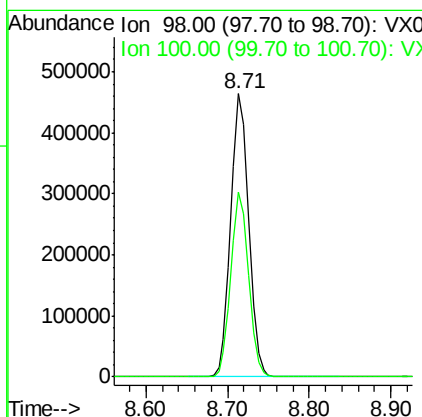
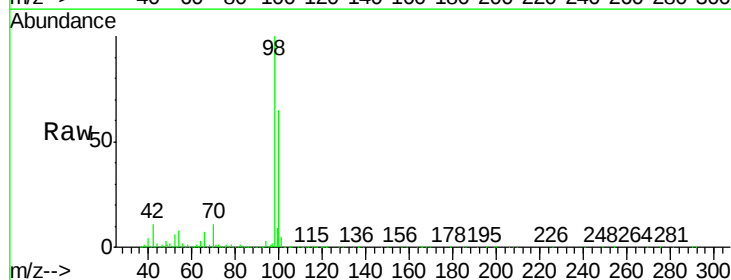
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

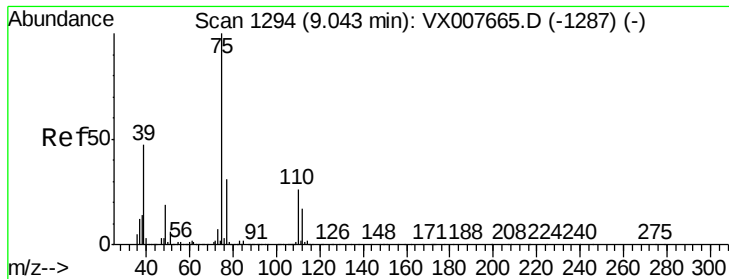
Tot Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 513.3 24.2 36.4#
58 0.0 53.0 79.4#



#50
Toluene-d8
Concen: 47.295 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007716.D
Acq: 26 Feb 2019 16:26

Tgt Ion: 98 Resp: 702602
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#53

t-1,3-Dichloropropene

Concen: 2.903 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

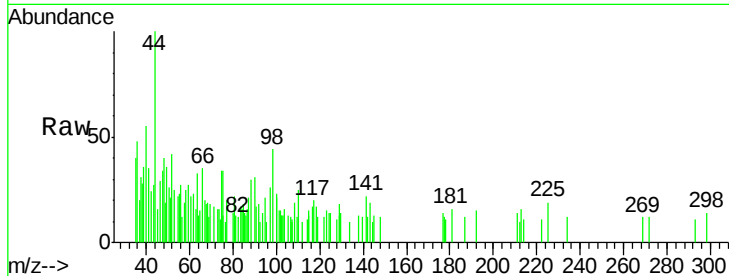
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 665

Ion Ratio Lower Upper

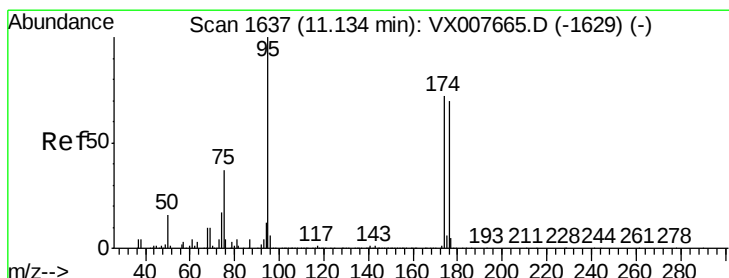
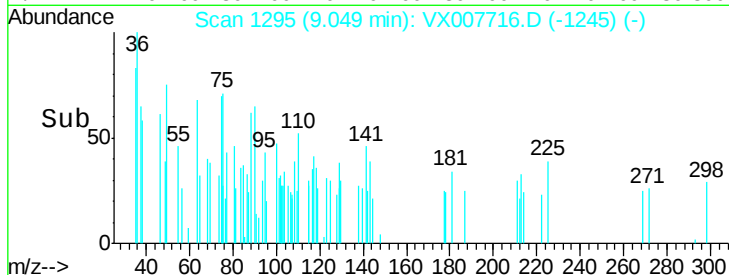
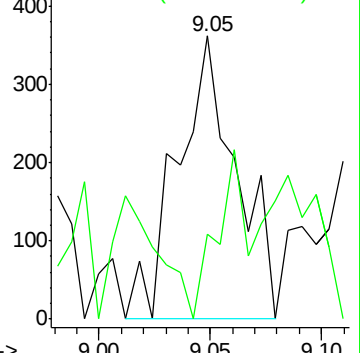
75 100

77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#62

4-Bromofluorobenzene

Concen: 45.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

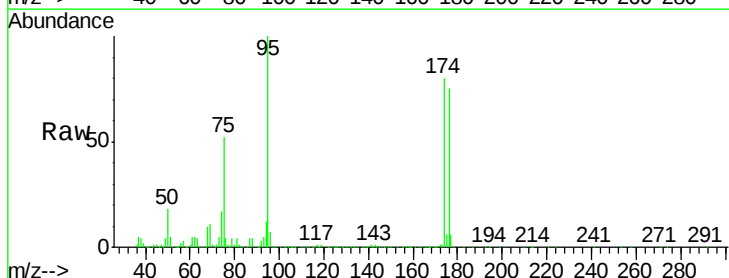
Tgt Ion: 95 Resp: 245838

Ion Ratio Lower Upper

95 100

174 85.3 0.0 189.2

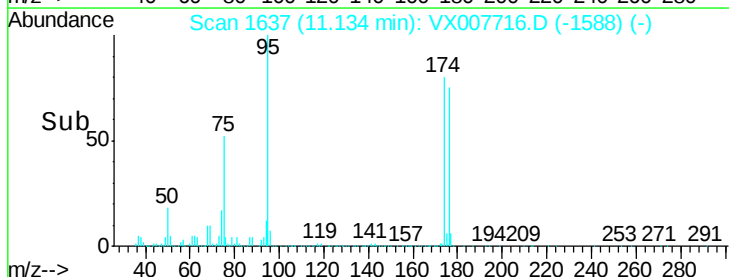
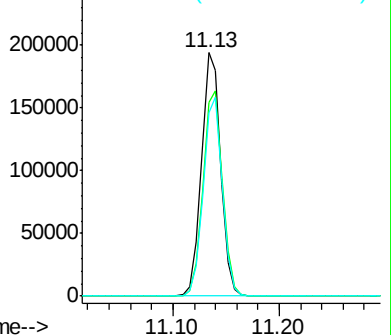
176 81.5 0.0 186.2

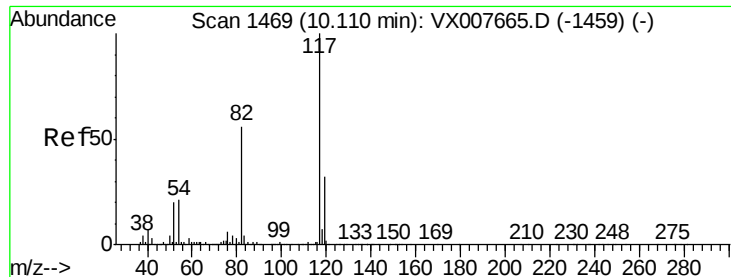


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

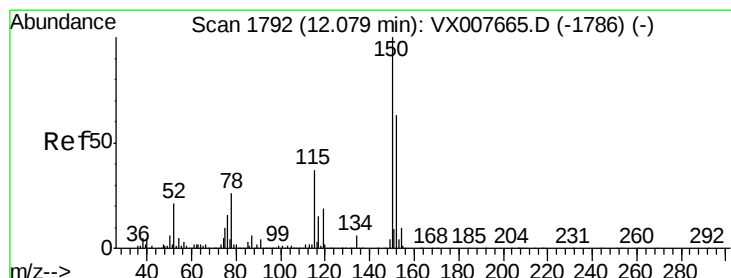
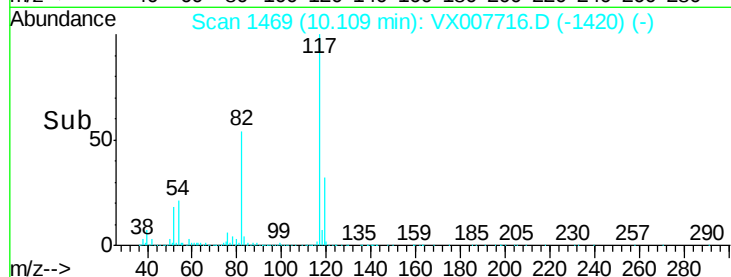
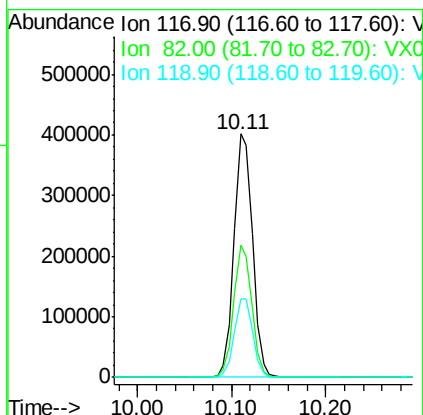
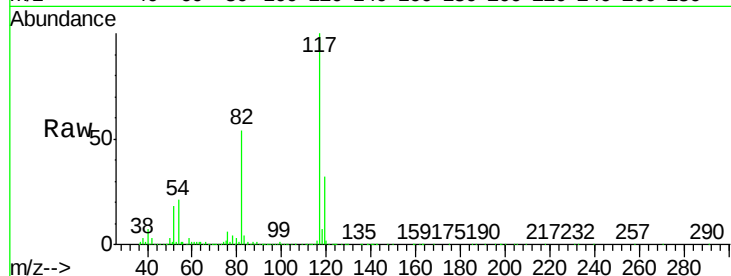




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007716.D
Acq: 26 Feb 2019 16:26

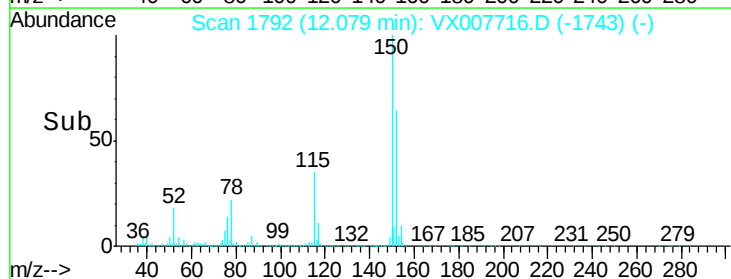
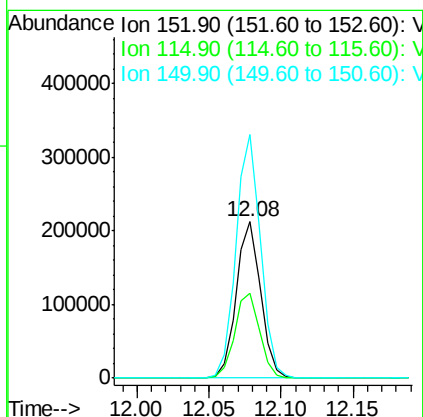
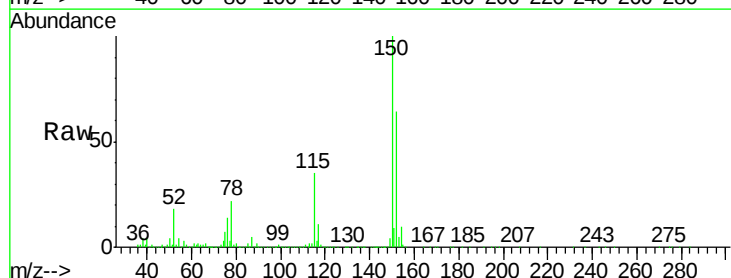
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

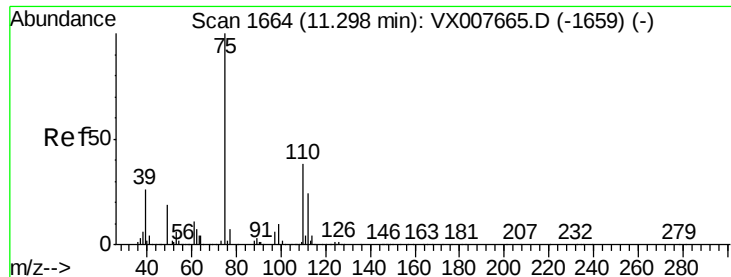
Tot Ion:117 Resp: 548032
Ion Ratio Lower Upper
117 100
82 54.4 42.1 63.1
119 32.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007716.D
Acq: 26 Feb 2019 16:26

Tgt Ion:152 Resp: 251603
Ion Ratio Lower Upper
152 100
115 55.8 38.0 114.0
150 157.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.534 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

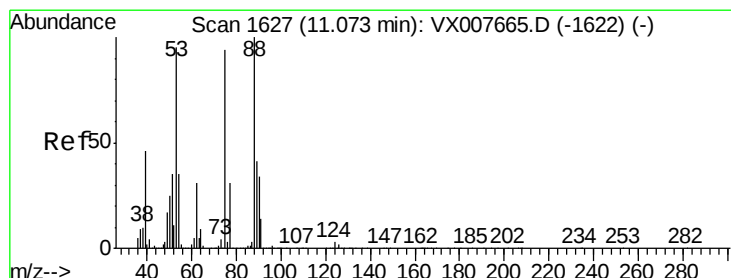
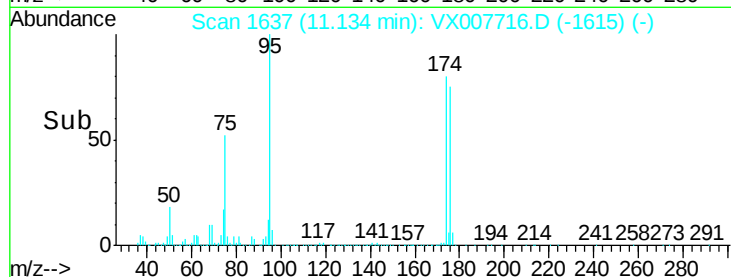
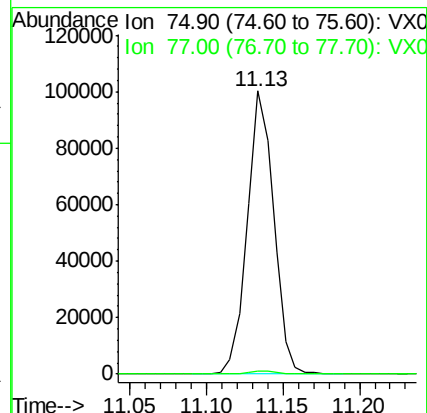
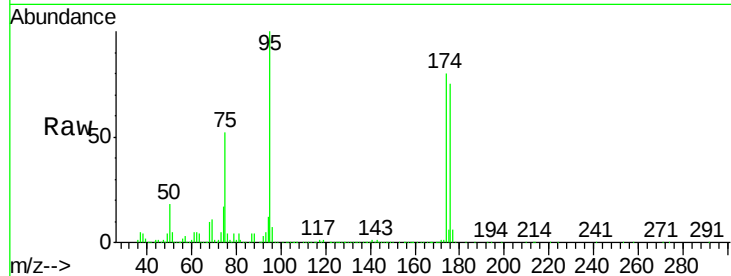
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 120852

Ion Ratio Lower Upper

75 100

77 1.1 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.760 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007716.D

Acq: 26 Feb 2019 16:26

Tgt Ion: 75 Resp: 120852

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 41.4 62.0#

