

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001544.D
 Acq On : 09 May 2018 05:35
 Operator : JC/MD
 Sample : J2780-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL

Quant Time: May 09 06:55:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	172815	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	168225	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
35) Dibromofluoromethane	5.51	113	131976	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	
50) Toluene-d8	8.72	98	472761	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	
62) 4-Bromofluorobenzene	11.14	95	156320	37.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.24%	

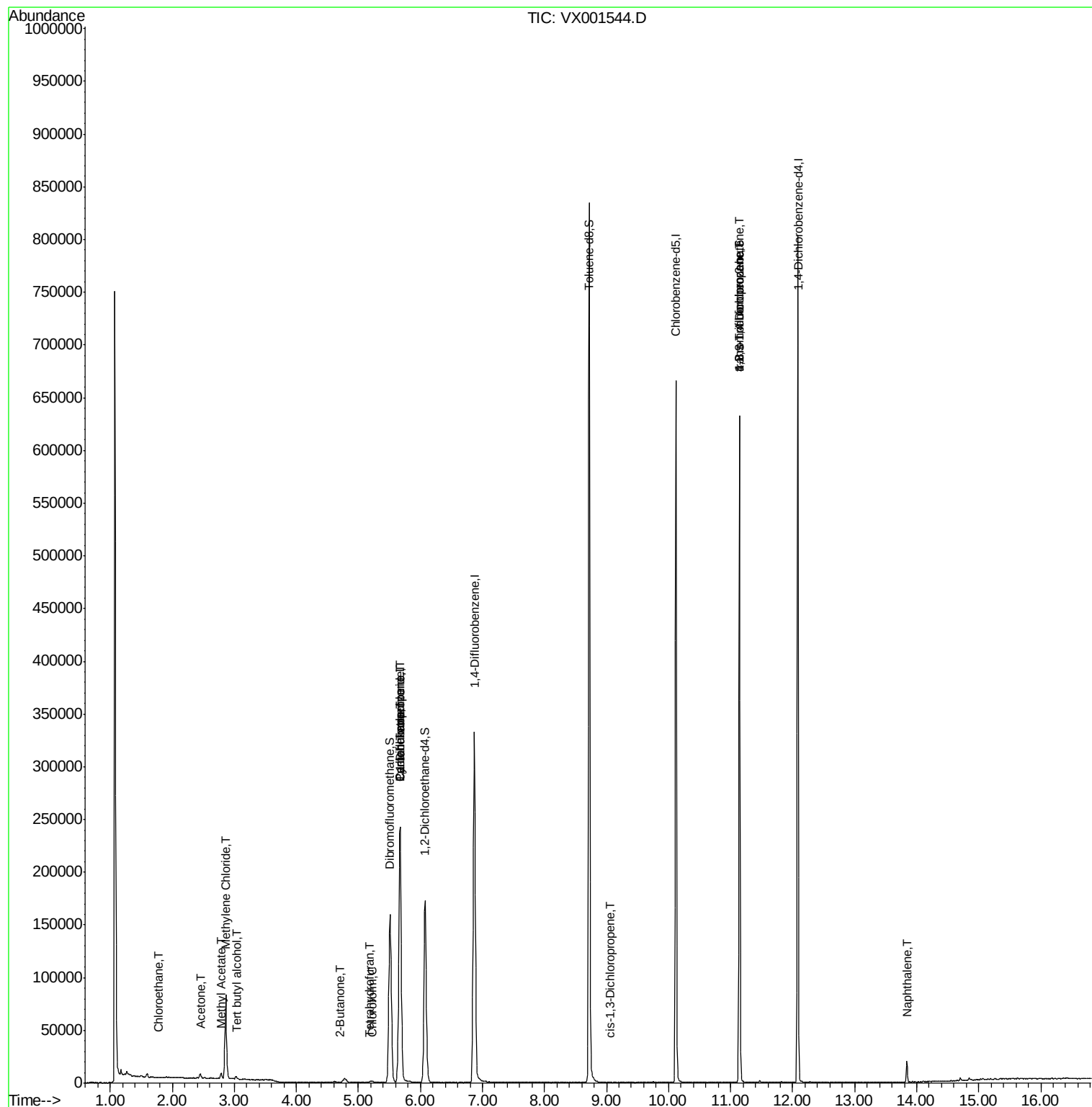
Target Compounds			Qvalue			
5) Bromomethane	1.62	94	45	Below Cal	#	3
6) Chloroethane	1.79	64	1304	0.58	ug/l	# 76
11) Tert butyl alcohol	3.03	59	1316	1.74	ug/l	# 76
13) Acrolein	2.29	56	70	Below Cal	#	41
16) Acetone	2.45	43	5086	3.12	ug/l	95
18) Methyl Acetate	2.79	43	6233	1.45	ug/l	98
20) Methylene Chloride	2.86	84	36126	11.18	ug/l	94
25) 2-Butanone	4.71	43	1478	0.63	ug/l	# 87
29) Tetrahydrofuran	5.18	42	635	0.42	ug/l	# 87
30) Chloroform	5.23	83	1541	0.28	ug/l	96
31) Cyclohexane	5.67	56	4555	0.98	ug/l	# 5
36) 1,1-Dichloropropene	5.67	75	16143	3.76	ug/l	# 48
38) Carbon Tetrachloride	5.67	117	21726	4.74	ug/l	# 17
54) cis-1,3-Dichloropropene	9.06	75	21	2.27	ug/l	# 40
76) 1,2,3-Trichloropropane	11.14	75	78993	22.54	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	78993	69.98	ug/l	# 7
95) Naphthalene	13.84	128	11812	0.92	ug/l	96

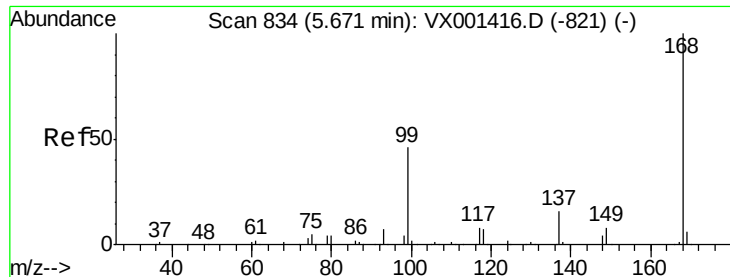
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

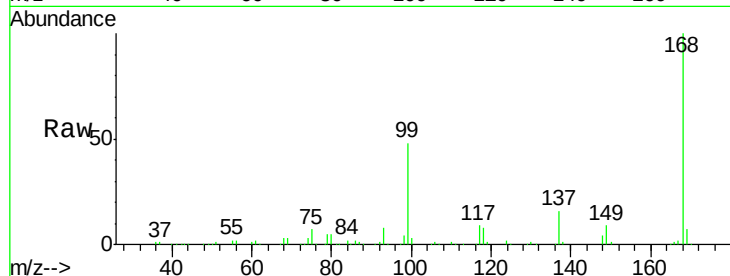
SOIL

Tgt Ion:168 Resp: 250051

Ion Ratio Lower Upper

168 100

99 47.9 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

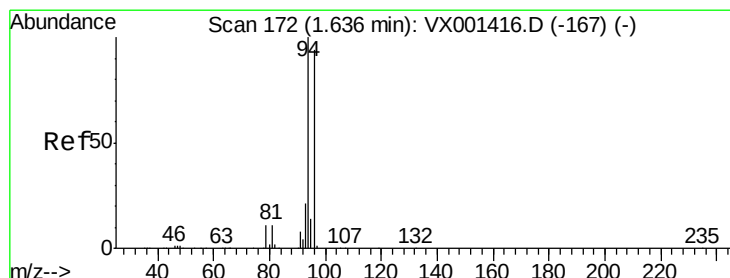
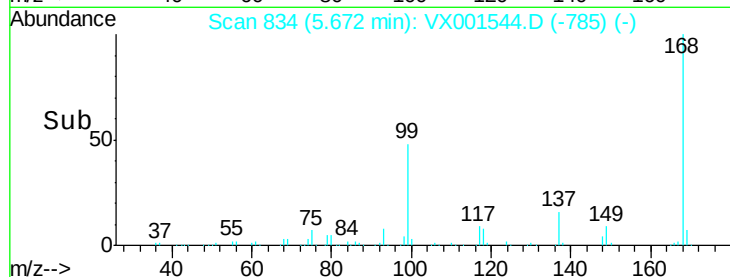
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001544.D

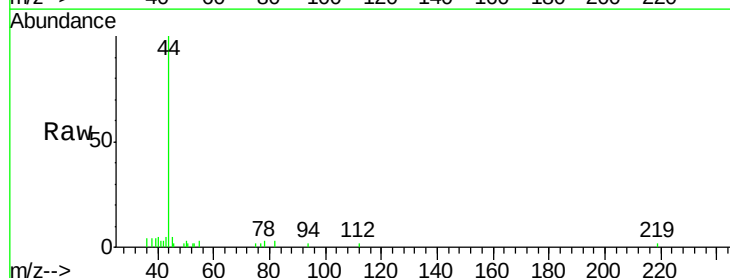
Acq: 09 May 2018 05:35

Tgt Ion: 94 Resp: 45

Ion Ratio Lower Upper

94 100

96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

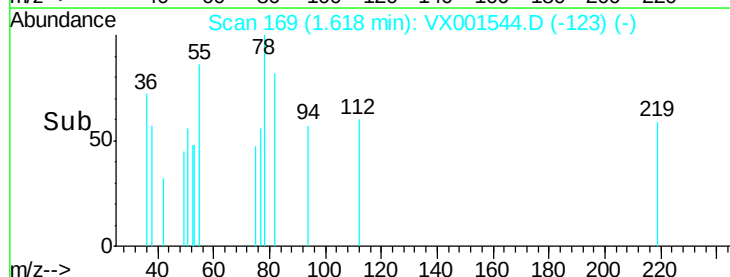
60

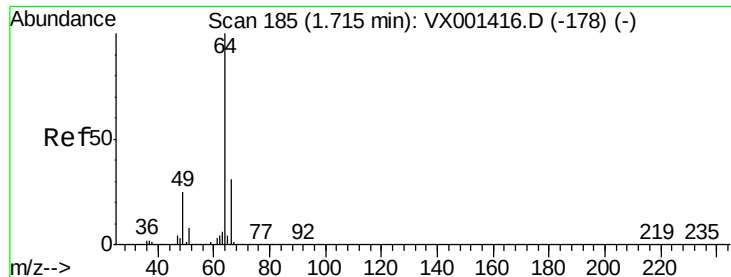
40

20

0

Time--> 1.61 1.62 1.63





#6

Chloroethane

Concen: 0.58 ug/l

RT: 1.79 min Scan# 197

Delta R.T. 0.07 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

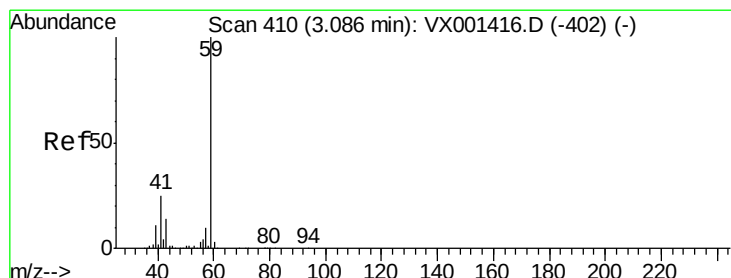
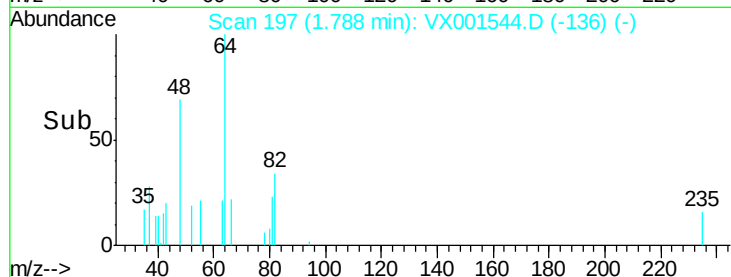
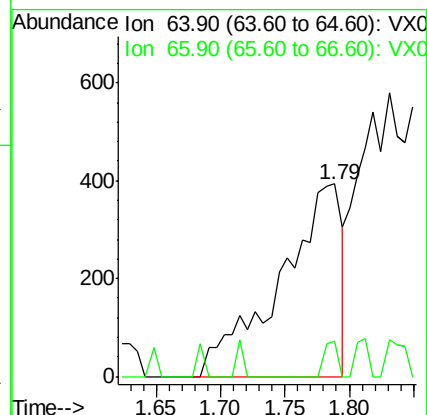
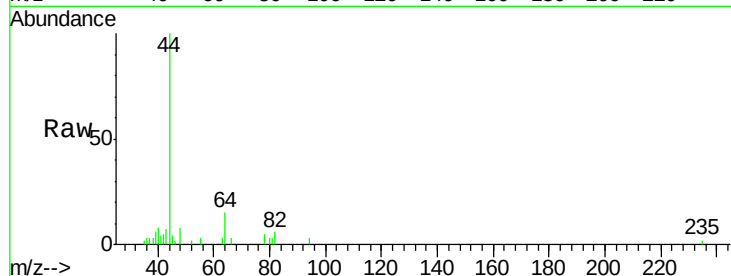
SOIL

Tgt Ion: 64 Resp: 1304

Ion Ratio Lower Upper

64 100

66 18.1 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.74 ug/l

RT: 3.03 min Scan# 401

Delta R.T. -0.05 min

Lab File: VX001544.D

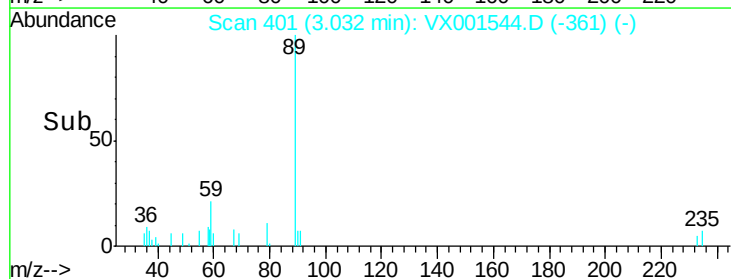
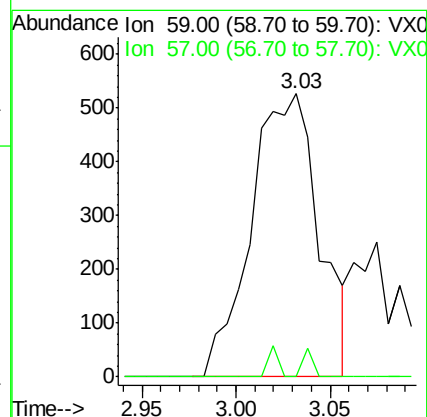
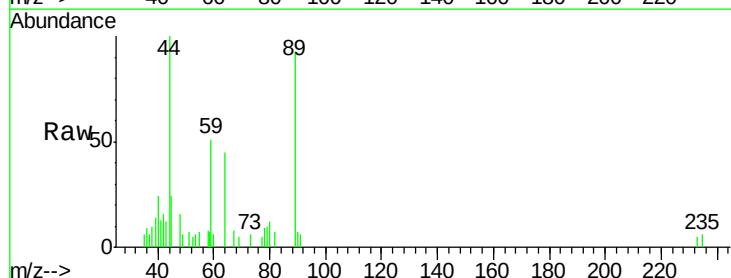
Acq: 09 May 2018 05:35

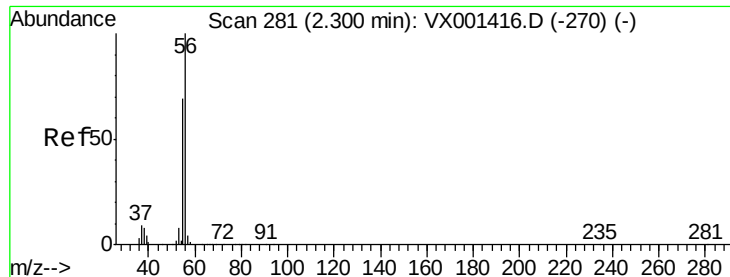
Tgt Ion: 59 Resp: 1316

Ion Ratio Lower Upper

59 100

57 1.4 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

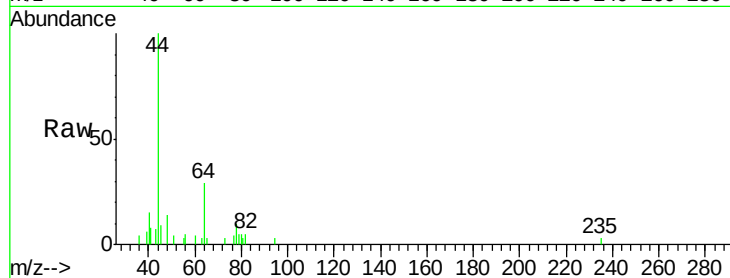
SOIL

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 115.7 54.5 81.7#



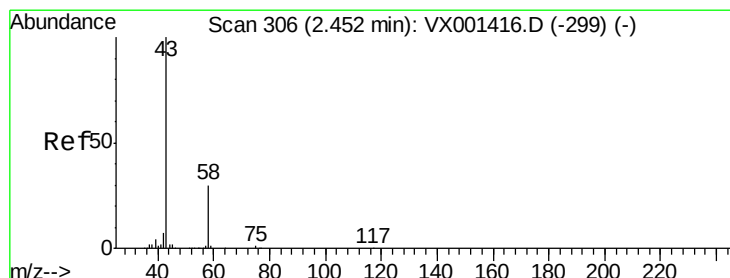
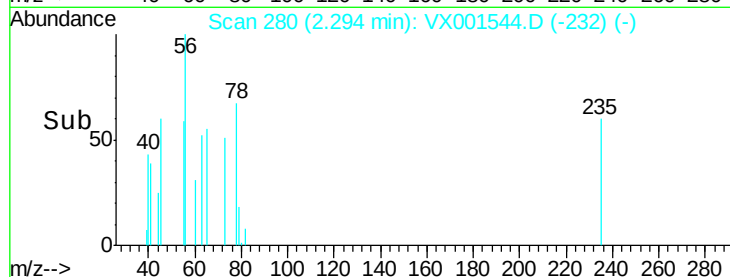
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

2.28 2.29 2.30 2.31 2.32

Time-->



#16

Acetone

Concen: 3.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001544.D

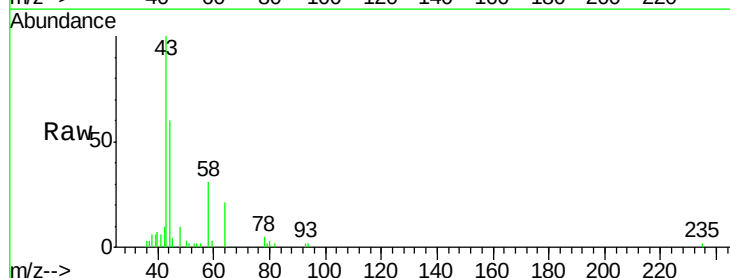
Acq: 09 May 2018 05:35

Tgt Ion: 43 Resp: 5086

Ion Ratio Lower Upper

43 100

58 32.4 23.8 35.8



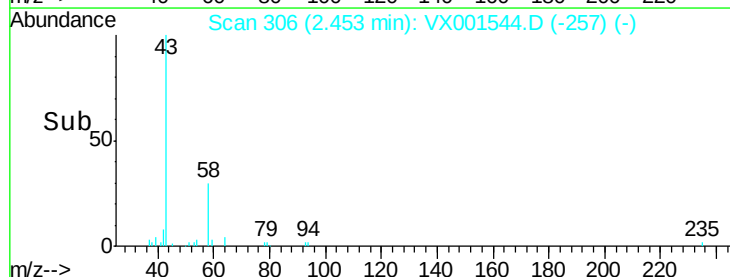
Abundance Ion 43.00 (42.70 to 43.70): VX0

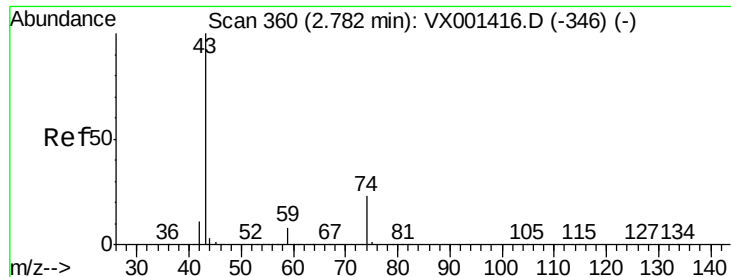
Ion 58.00 (57.70 to 58.70): VX0

2.45

2.40 2.45 2.50

Time-->





#18

Methyl Acetate

Concen: 1.45 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

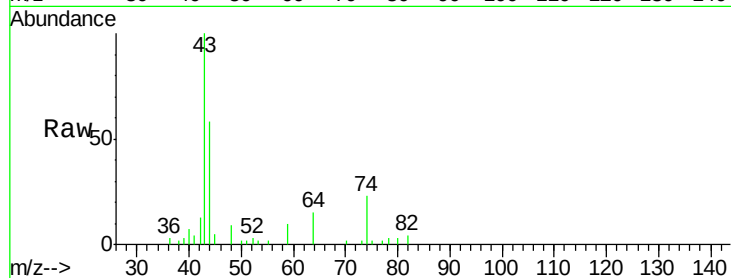
SOIL

Tgt Ion: 43 Resp: 6233

Ion Ratio Lower Upper

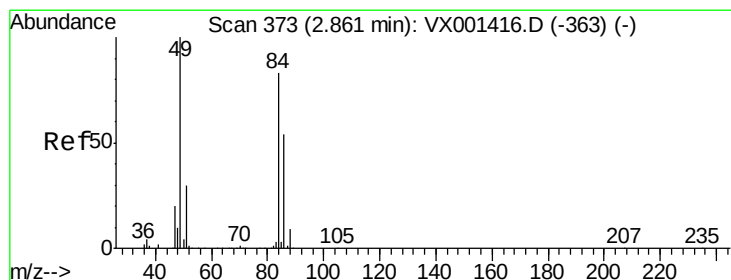
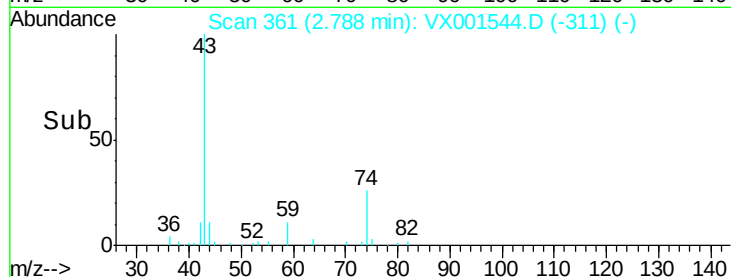
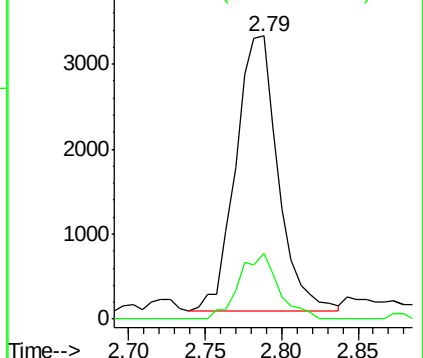
43 100

74 22.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 11.18 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Tgt Ion: 84 Resp: 36126

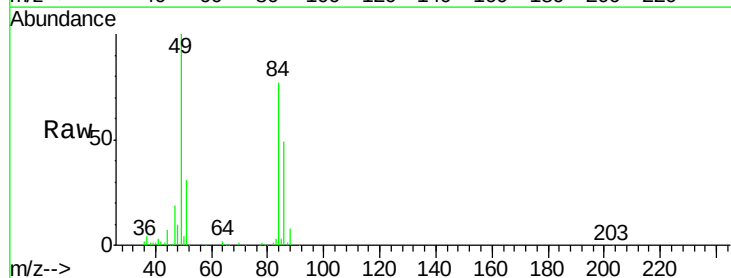
Ion Ratio Lower Upper

84 100

49 130.6 96.6 144.8

51 40.1 29.0 43.4

86 63.8 52.2 78.4

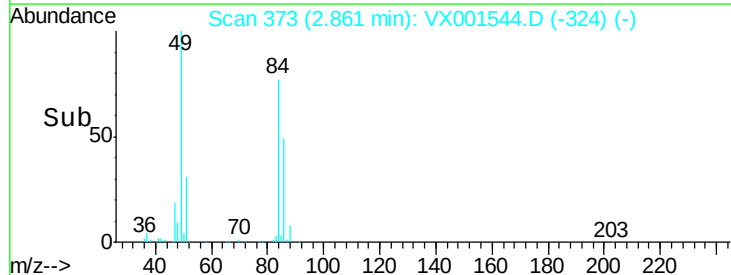
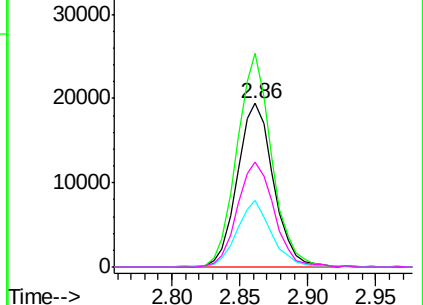


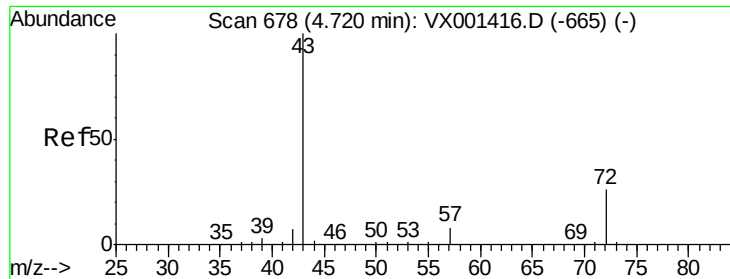
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.63 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

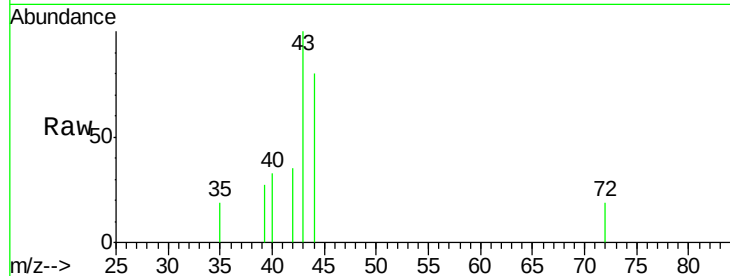
SOIL

Tgt Ion: 43 Resp: 1478

Ion Ratio Lower Upper

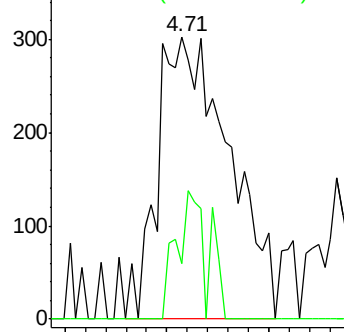
43 100

72 19.5 20.7 31.1#

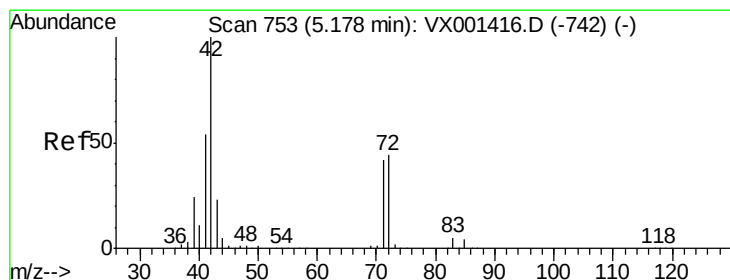
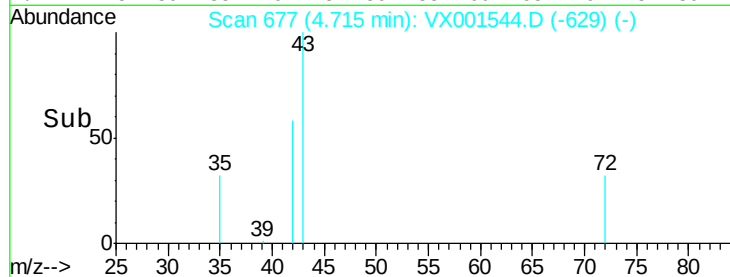


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

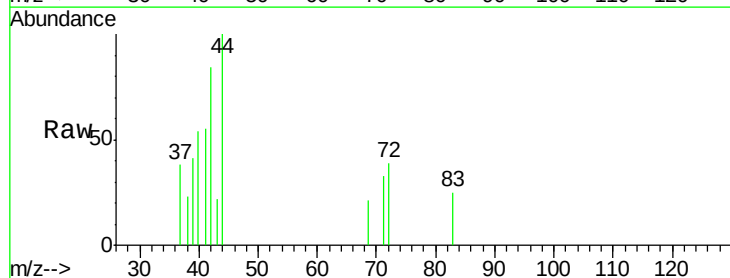
Tgt Ion: 42 Resp: 635

Ion Ratio Lower Upper

42 100

72 32.0 35.4 53.2#

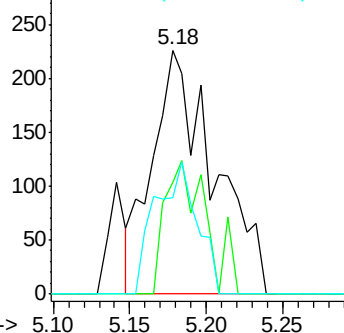
71 36.7 33.0 49.4



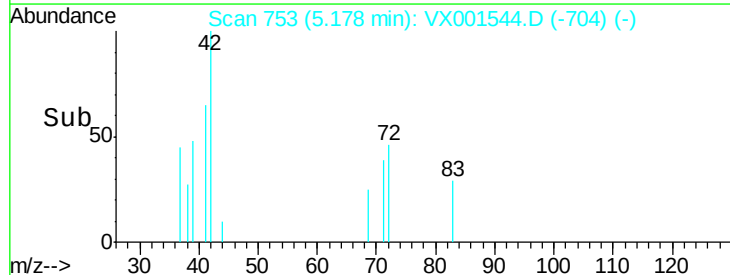
Abundance Ion 42.00 (41.70 to 42.70): VX0

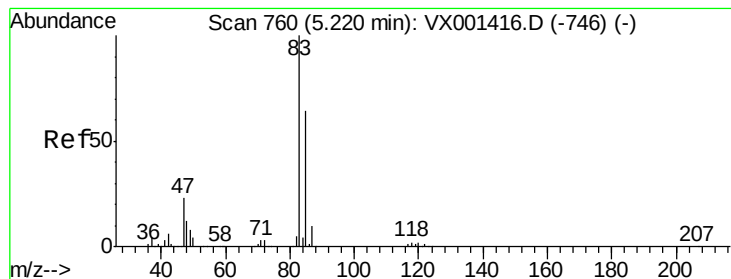
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#30

Chloroform

Concen: 0.28 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Instrument :

MSVOA_X

ClientSampleId :

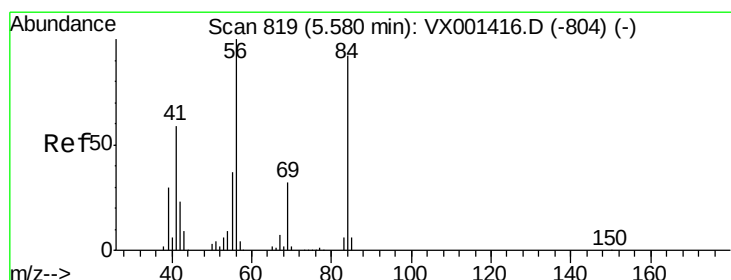
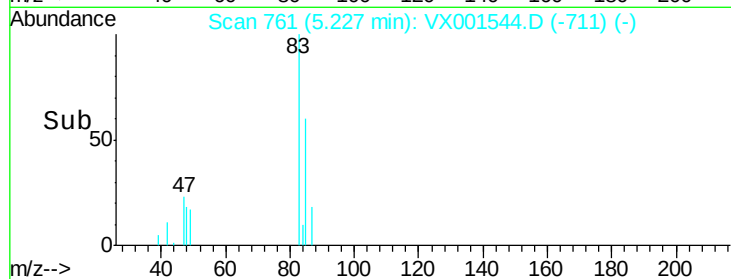
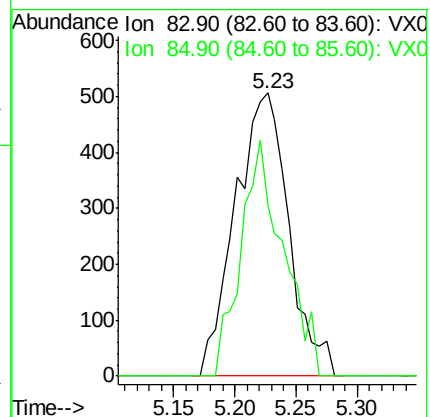
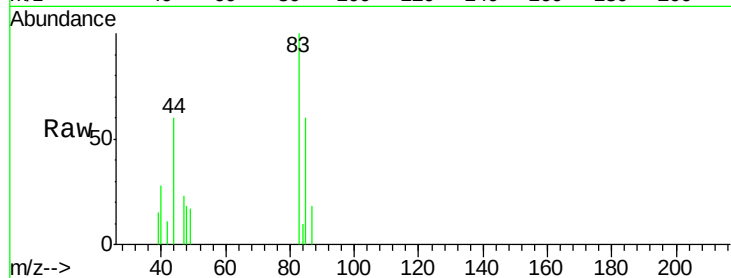
SOIL

Tgt Ion: 83 Resp: 1541

Ion Ratio Lower Upper

83 100

85 60.3 51.0 76.4



#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

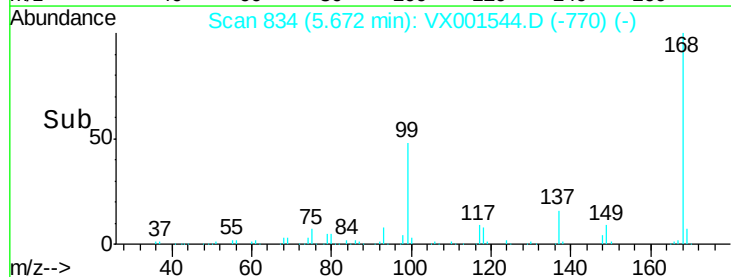
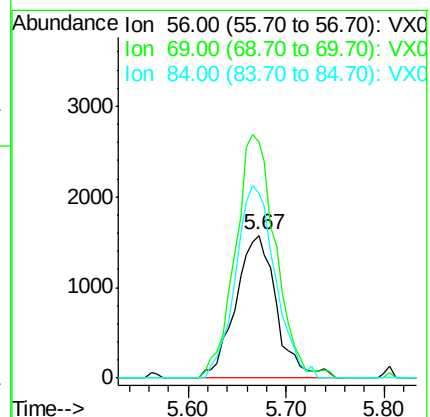
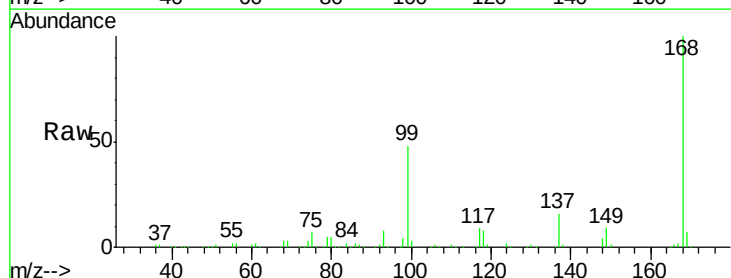
Tgt Ion: 56 Resp: 4555

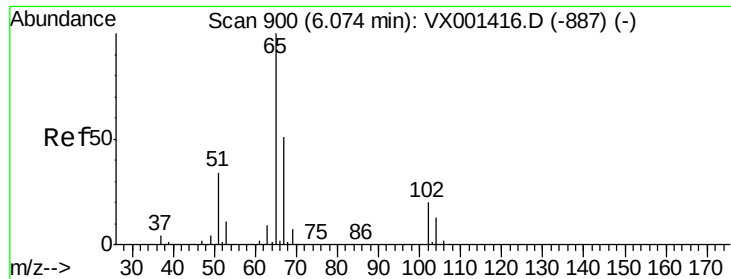
Ion Ratio Lower Upper

56 100

69 164.6 25.4 38.0#

84 136.2 73.8 110.8#

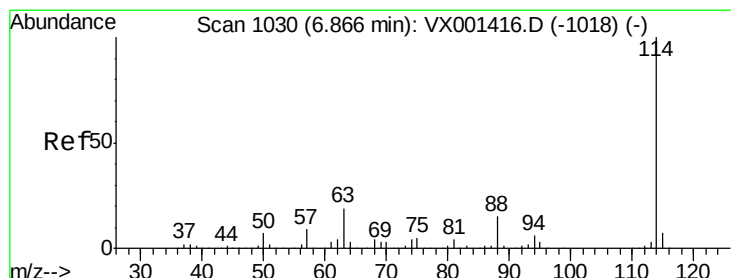
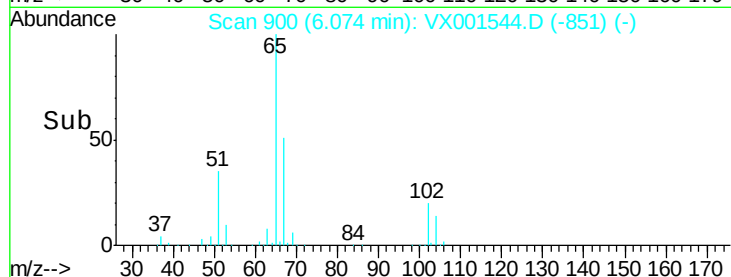
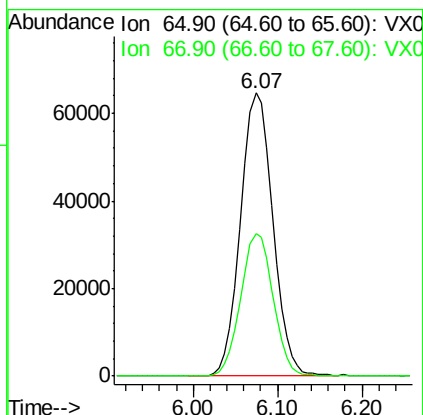
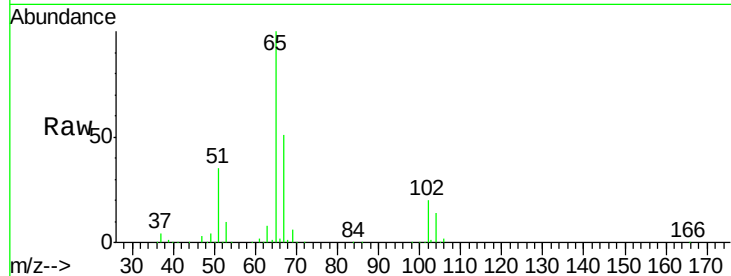




#33
 1,2-Dichloroethane-d4
 Concen: 46.81 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001544.D
 Acq: 09 May 2018 05:35

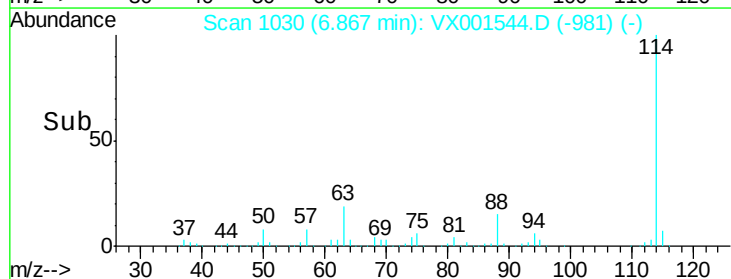
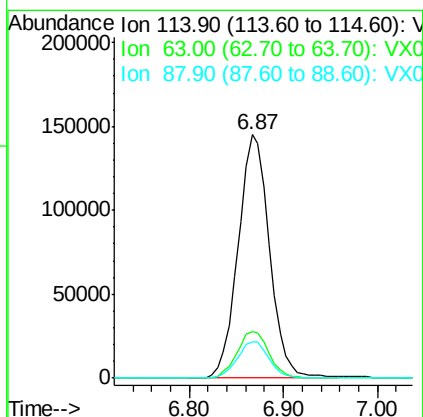
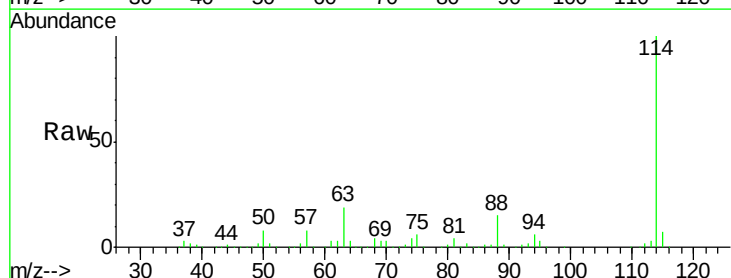
Instrument :
 MSVOA_X
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 SOIL

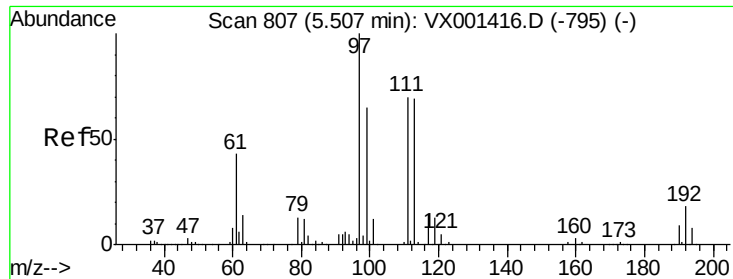
Tgt Ion: 65 Resp: 168225
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001544.D
 Acq: 09 May 2018 05:35

Tgt Ion: 114 Resp: 337881
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.0 0.0 30.8

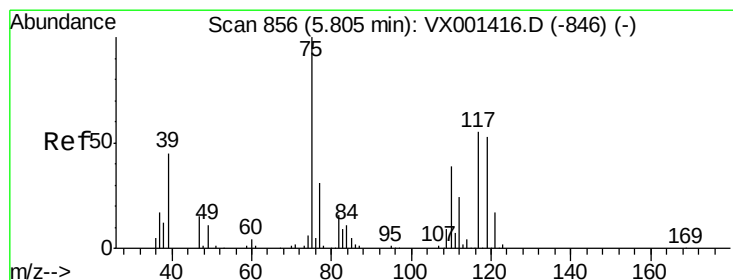
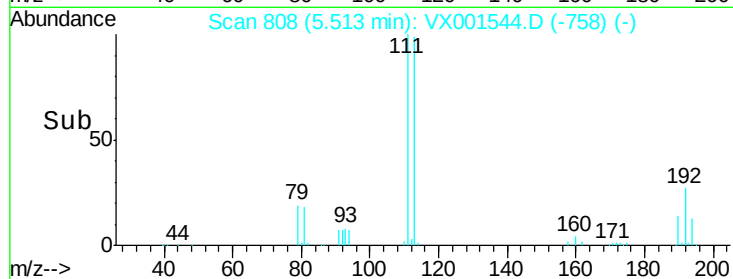
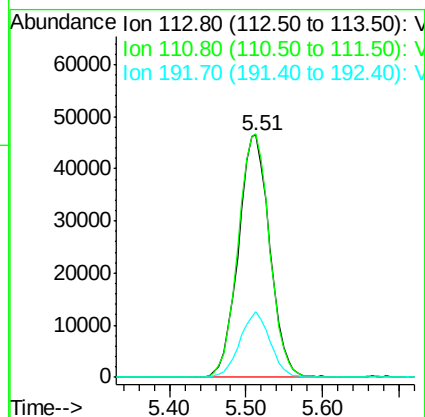
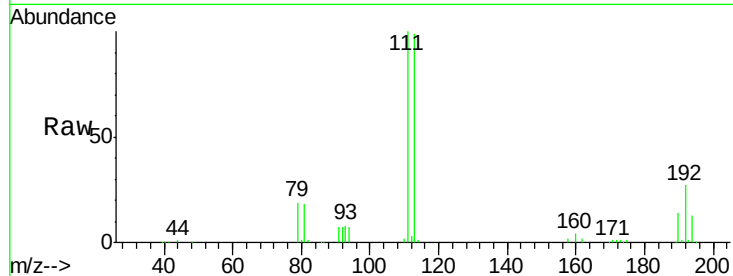




#35
 Dibromofluoromethane
 Concen: 43.91 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001544.D
 Acq: 09 May 2018 05:35

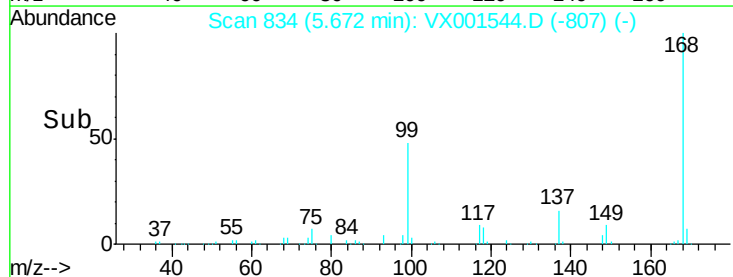
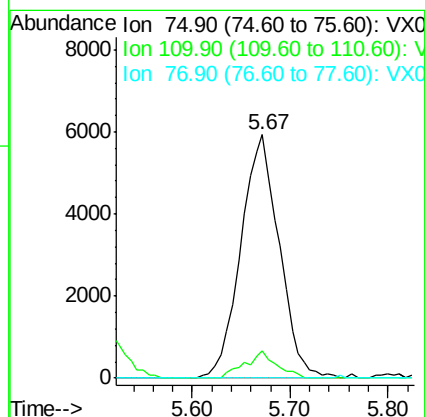
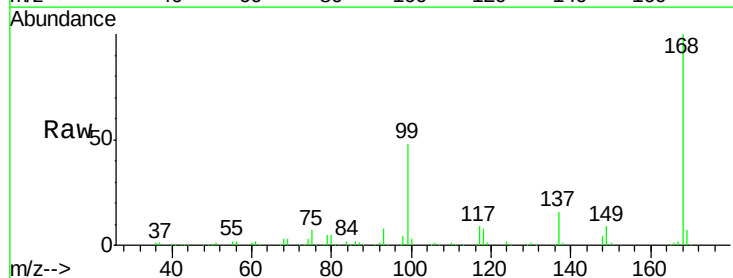
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL

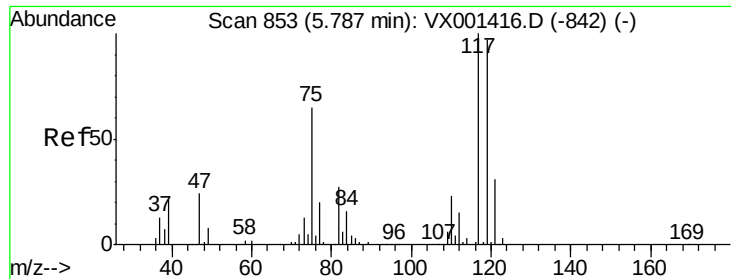
Tgt Ion:113 Resp: 131976
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.2 123.2
 192 26.1 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001544.D
 Acq: 09 May 2018 05:35

Tgt Ion: 75 Resp: 16143
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.74 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

SOIL

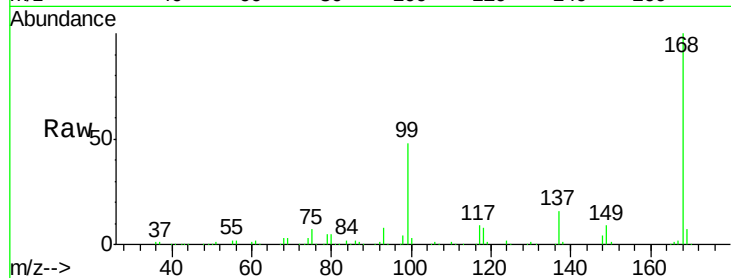
Tgt Ion:117 Resp: 21726

Ion Ratio Lower Upper

117 100

119 6.2 77.0 115.6#

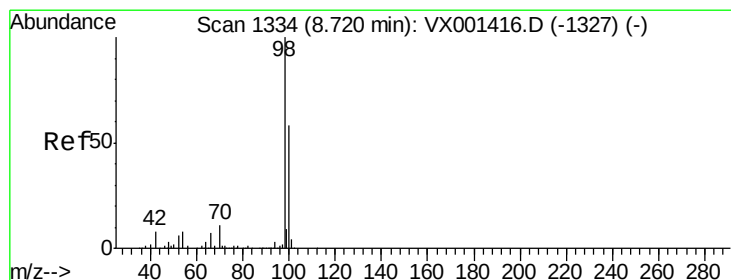
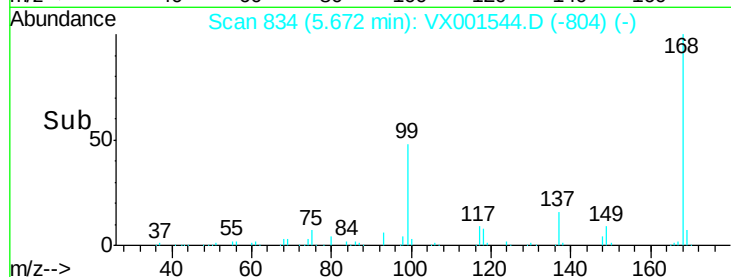
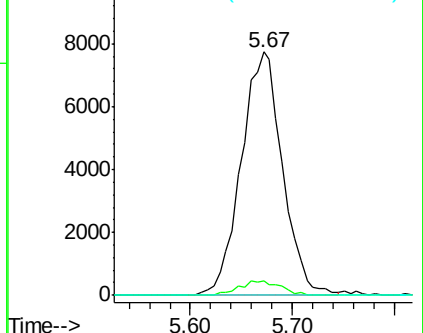
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 43.09 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001544.D

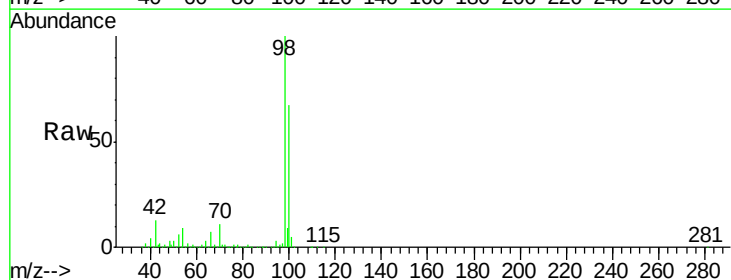
Acq: 09 May 2018 05:35

Tgt Ion: 98 Resp: 472761

Ion Ratio Lower Upper

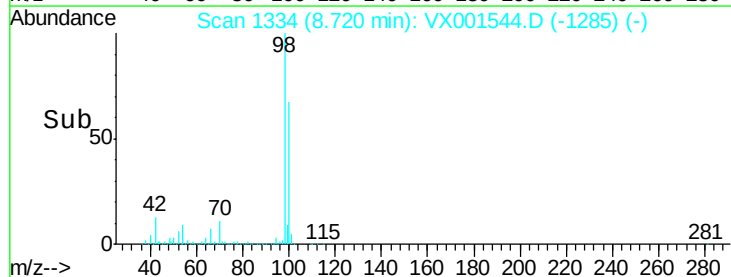
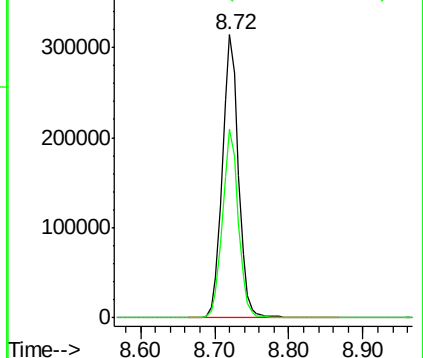
98 100

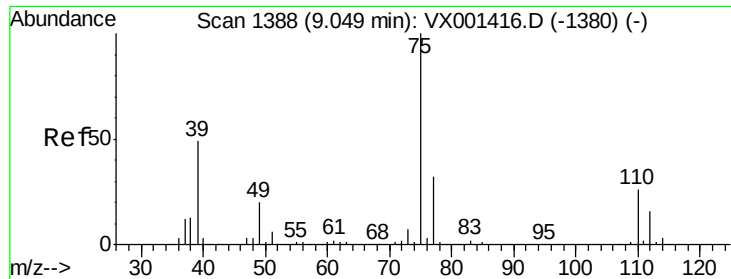
100 65.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



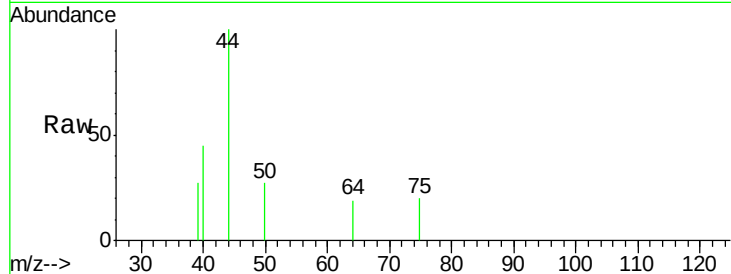


#54

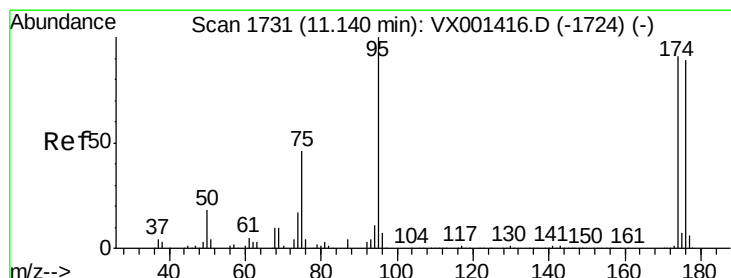
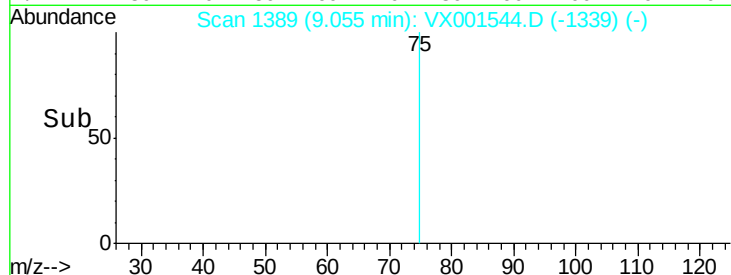
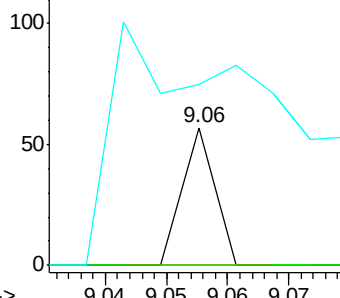
cis-1,3-Dichloropropene
Concen: 2.27 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX001544.D
Acq: 09 May 2018 05:35

Instrument :
MSVOA_X
ClientSampled :
SOIL

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 7.0 38.9 58.3#



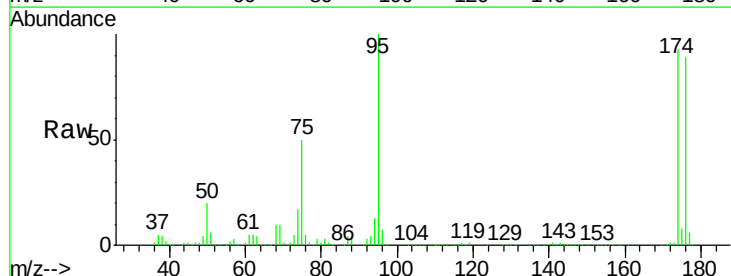
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



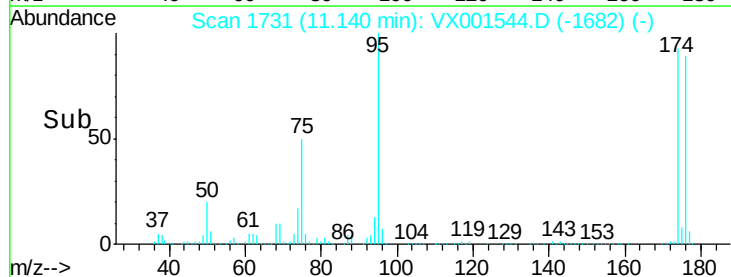
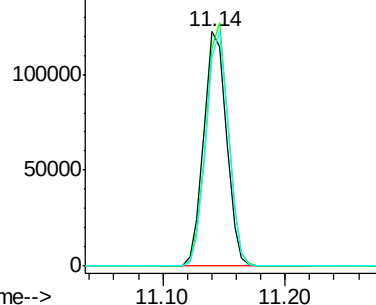
#62

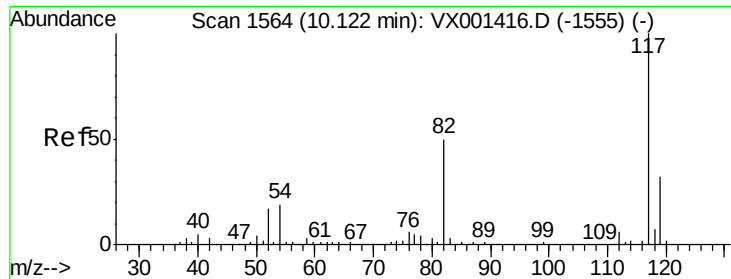
4-Bromofluorobenzene
Concen: 37.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001544.D
Acq: 09 May 2018 05:35

Tgt Ion: 95 Resp: 156320
Ion Ratio Lower Upper
95 100
174 102.5 0.0 202.0
176 98.7 0.0 197.4



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

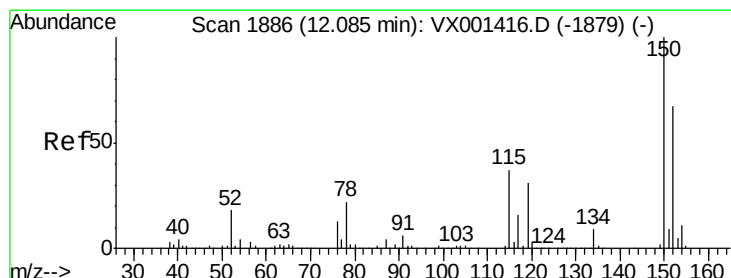
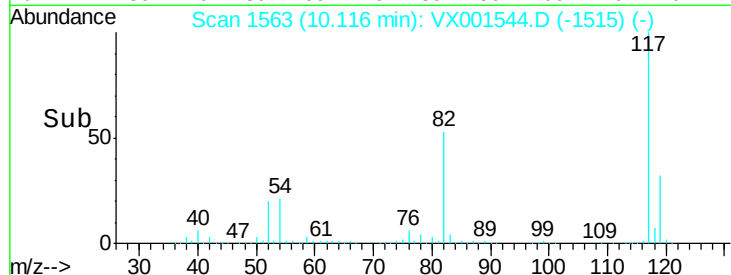
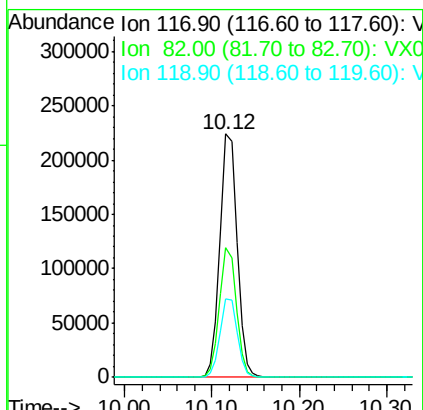
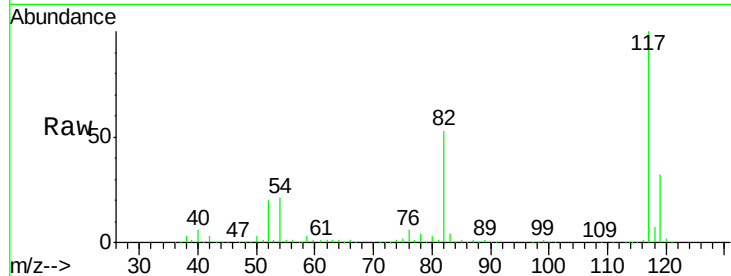




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001544.D
Acq: 09 May 2018 05:35

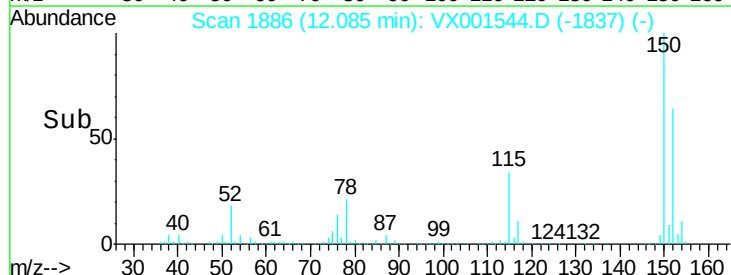
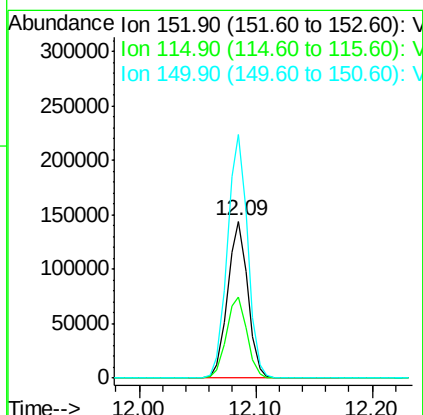
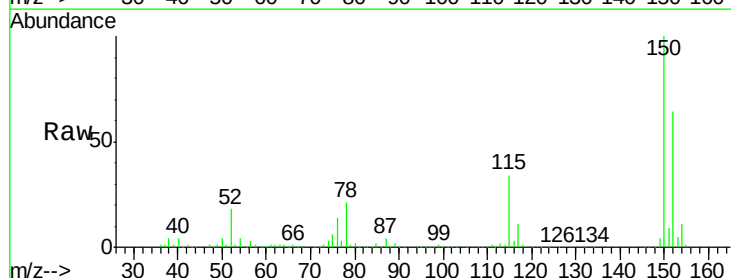
Instrument :
MSVOA_X
ClientSampled :
SOIL

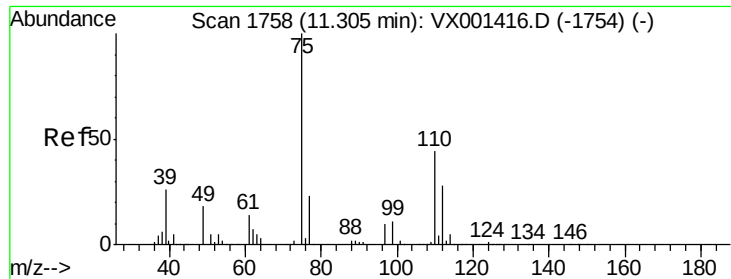
Tgt Ion:117 Resp: 305401
Ion Ratio Lower Upper
117 100
82 53.3 40.0 60.0
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001544.D
Acq: 09 May 2018 05:35

Tgt Ion:152 Resp: 172815
Ion Ratio Lower Upper
152 100
115 52.7 37.7 113.1
150 155.9 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 22.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

Instrument :

MSVOA_X

ClientSampled :

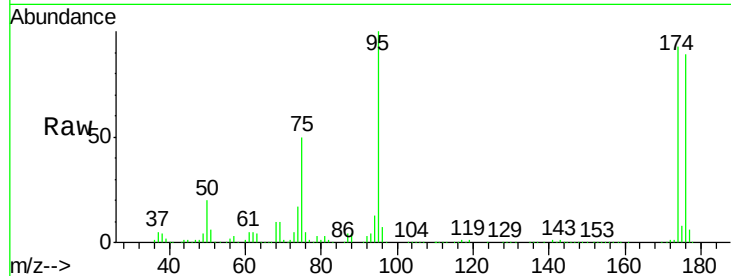
SOIL

Tgt Ion: 75 Resp: 78993

Ion Ratio Lower Upper

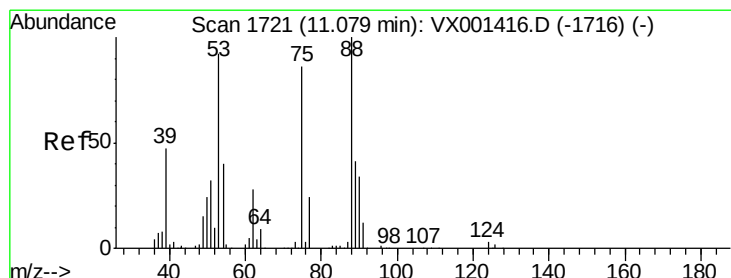
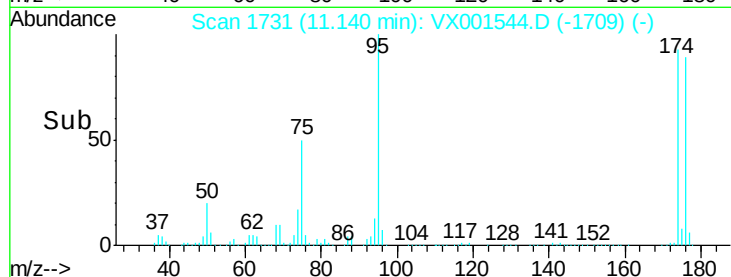
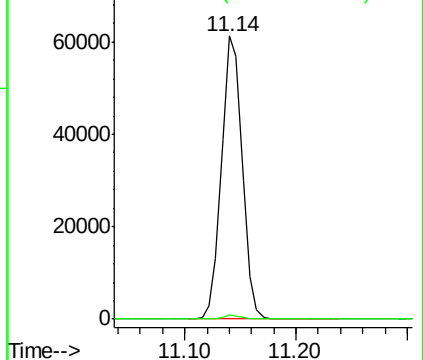
75 100

77 1.3 19.6 58.7#



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: 69.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001544.D

Acq: 09 May 2018 05:35

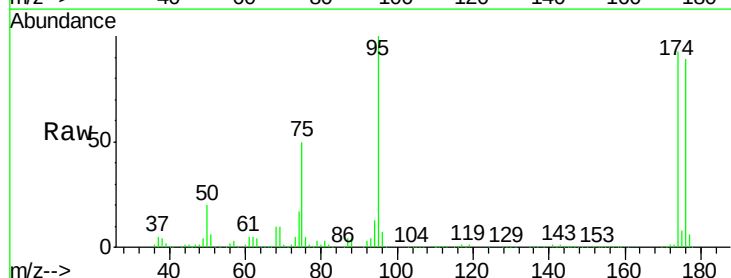
Tgt Ion: 75 Resp: 78993

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

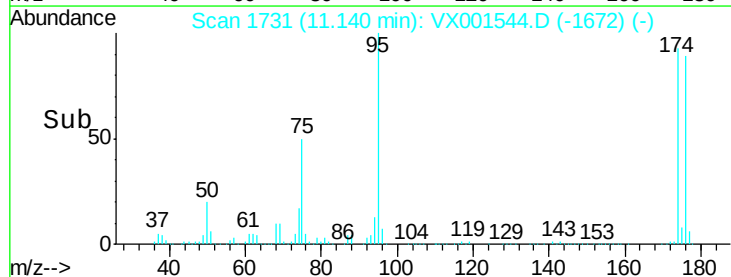
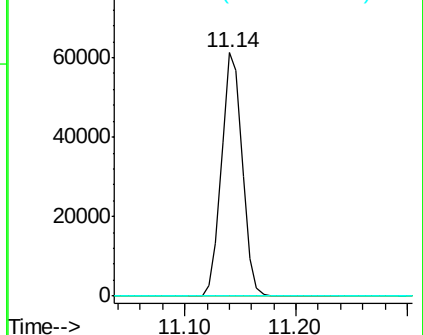
89 0.1 39.5 59.3#

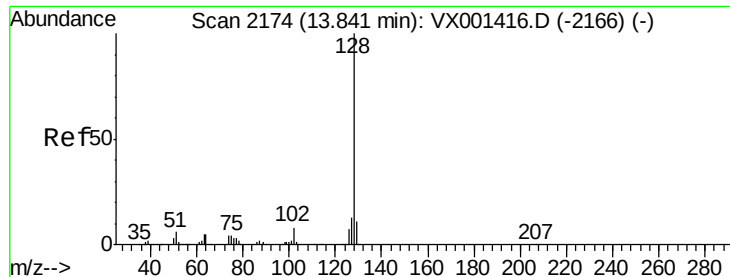


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

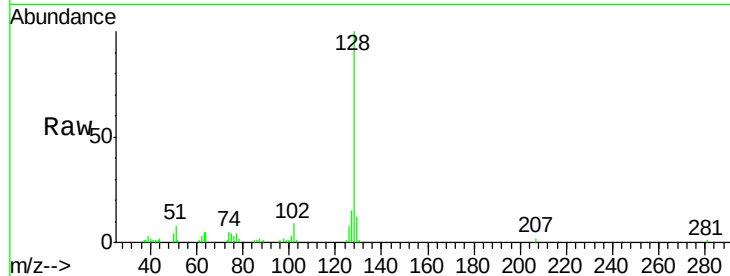




#95
Naphthalene
Concen: 0.92 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001544.D
Acq: 09 May 2018 05:35

Instrument :
MSVOA_X
ClientSampleId :
SOIL

Tgt Ion:128 Resp: 11812
Ion Ratio Lower Upper
128 100
127 14.6 10.4 15.6
129 12.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

