

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111718\
 Data File : VX006065.D
 Acq On : 17 Nov 2018 13:05
 Operator : JC/MD
 Sample : J5984-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 19 00:14:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	118438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	168573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	145014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	91939	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	70814	52.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.02%	
35) Dibromofluoromethane	5.50	113	59652	52.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.06%	
50) Toluene-d8	8.71	98	189577	49.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.14	95	63798	46.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.10%	

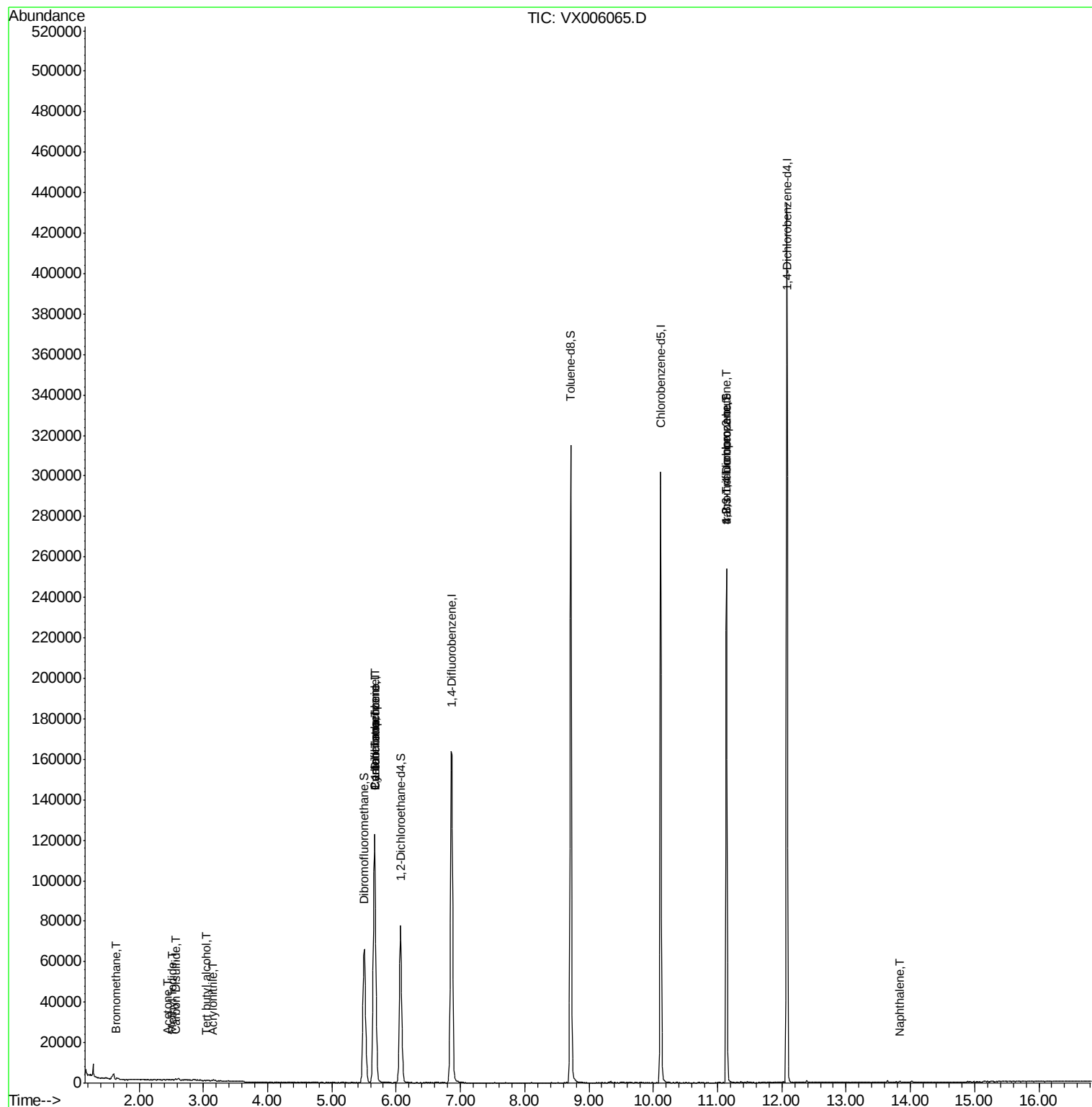
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	218	0.253	ug/l	94
10) Methyl Iodide	2.51	142	271	0.208	ug/l #	73
11) Tert butyl alcohol	3.06	59	113	0.290	ug/l #	72
15) Acrylonitrile	3.15	53	289	0.358	ug/l #	80
16) Acetone	2.45	43	369	0.503	ug/l	91
17) Carbon Disulfide	2.57	76	711	0.228	ug/l #	61
18) Methyl Acetate	2.78	43	427	Below Cal	#	55
31) Cyclohexane	5.67	56	2194	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	8317	5.118	ug/l #	49
38) Carbon Tetrachloride	5.67	117	10866	6.679	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	31680	16.922	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	31680	53.934	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	259	Below Cal	#	63
95) Naphthalene	13.83	128	707	1.282	ug/l #	93

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

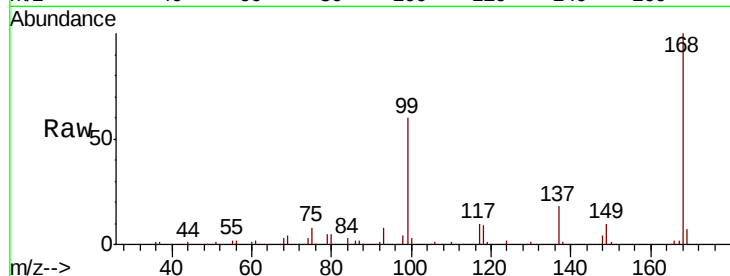
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 118438

Ion Ratio Lower Upper

168 100

99 60.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

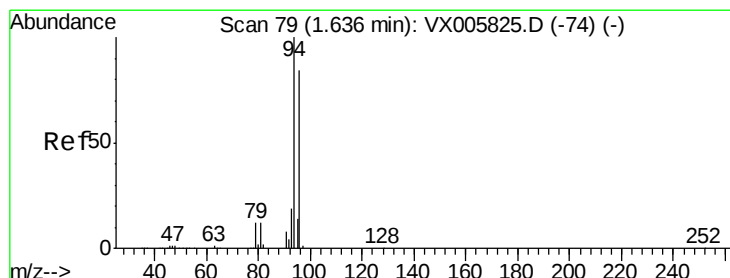
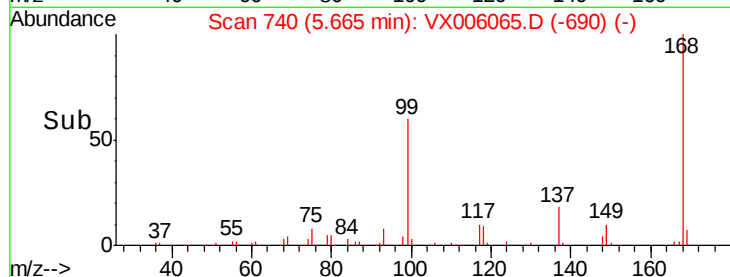
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.253 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006065.D

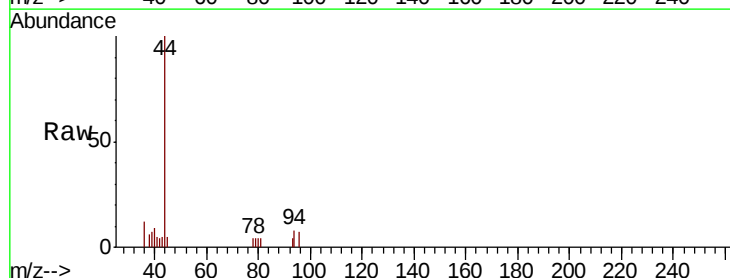
Acq: 17 Nov 2018 13:05

Tgt Ion: 94 Resp: 218

Ion Ratio Lower Upper

94 100

96 88.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

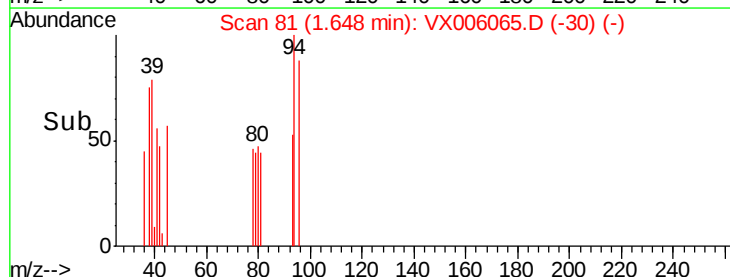
100

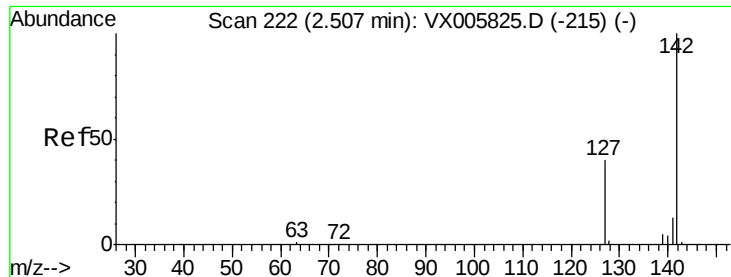
50

0

Time-->

1.65 1.70

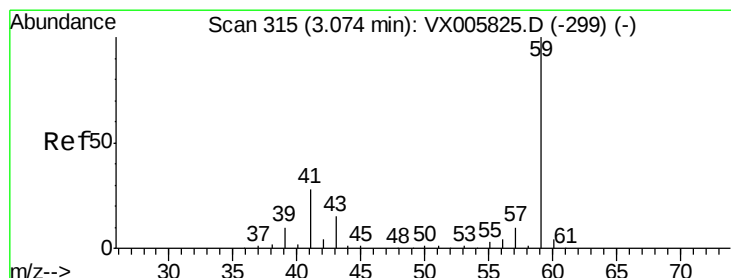
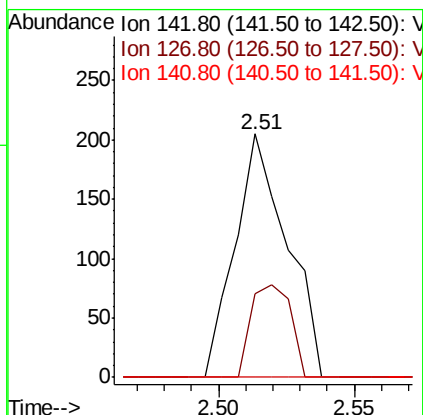
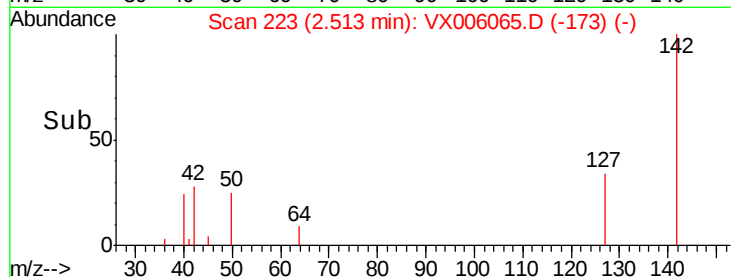
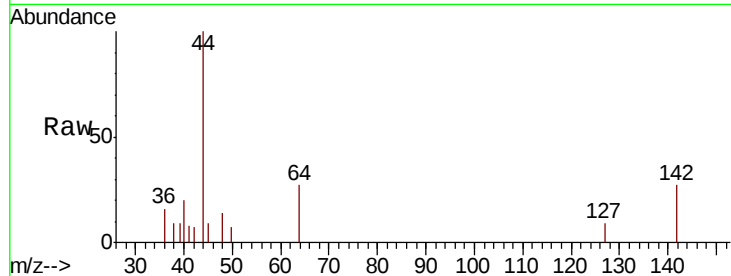




#10
Methyl Iodide
Concen: 0.208 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX006065.D
Acq: 17 Nov 2018 13:05

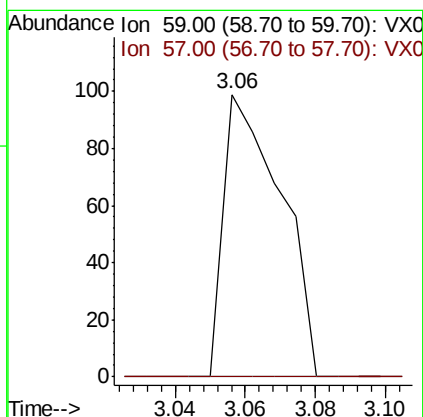
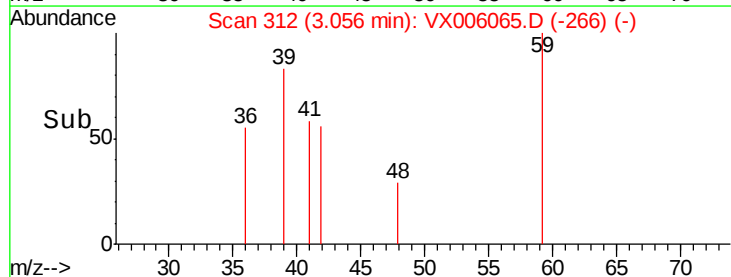
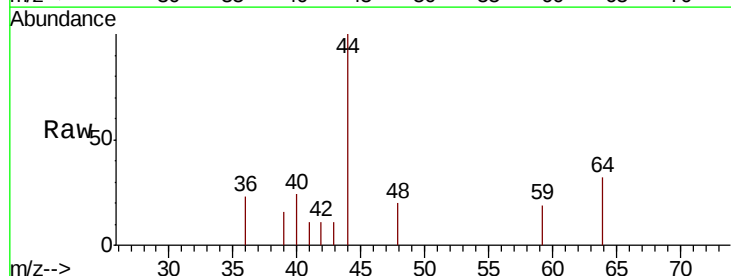
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

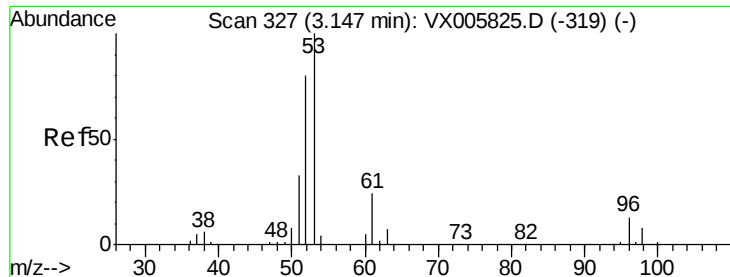
Tot Ion:142 Resp: 271
Ion Ratio Lower Upper
142 100
127 28.8 36.0 54.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.290 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX006065.D
Acq: 17 Nov 2018 13:05

Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#15

Acrylonitrile

Concen: 0.358 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

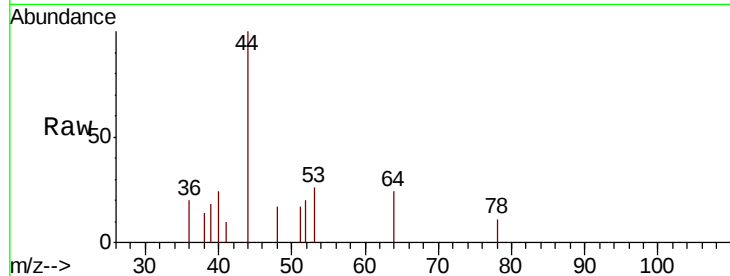
Tot Ion: 53 Resp: 289

Ion Ratio Lower Upper

53 100

52 67.8 66.6 99.8

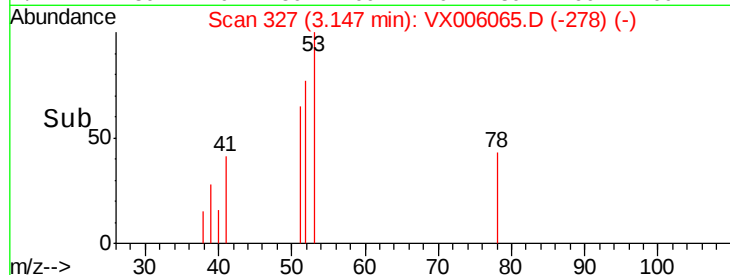
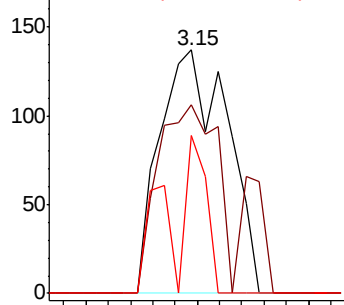
51 19.7 28.4 42.6#



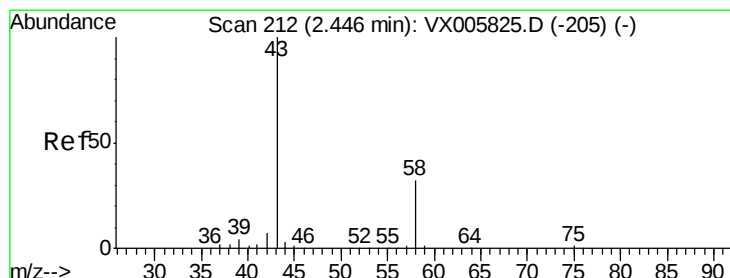
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.503 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006065.D

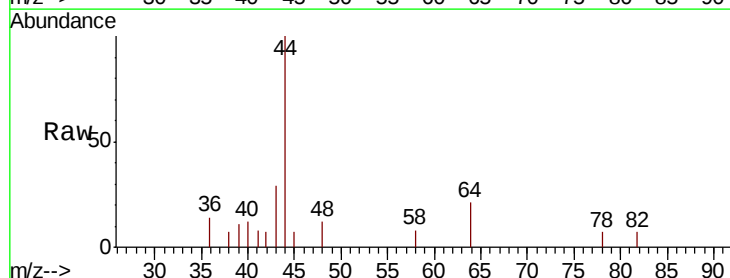
Acq: 17 Nov 2018 13:05

Tgt Ion: 43 Resp: 369

Ion Ratio Lower Upper

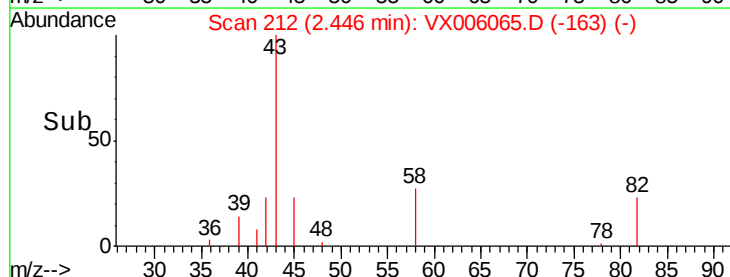
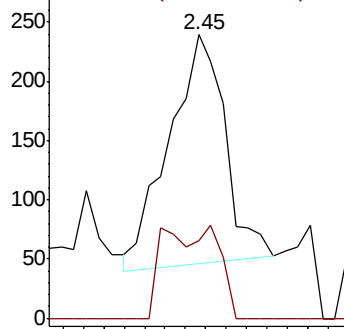
43 100

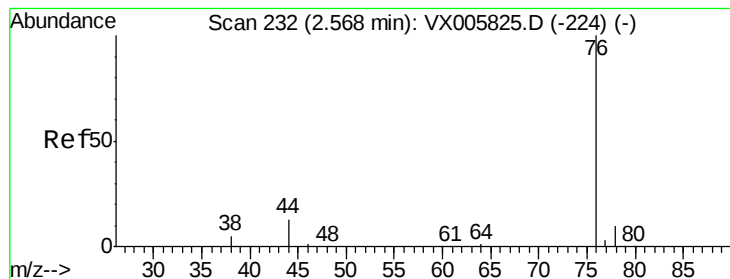
58 34.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

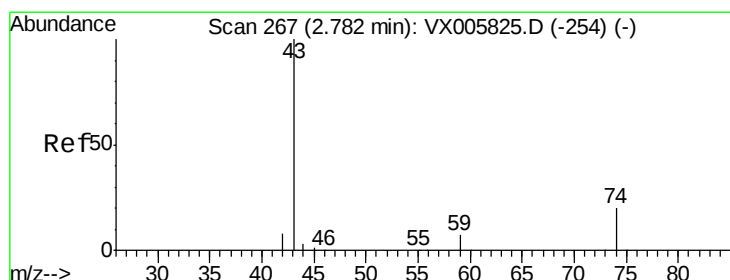
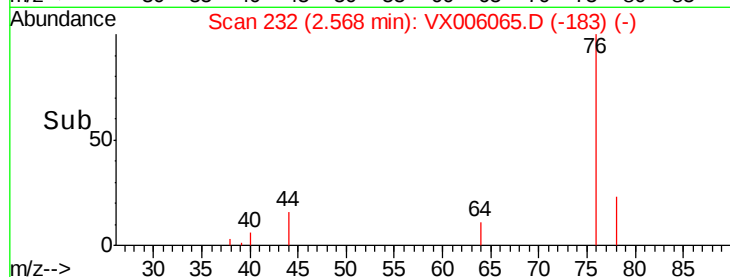
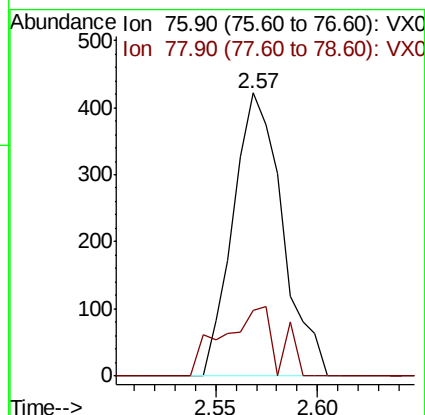
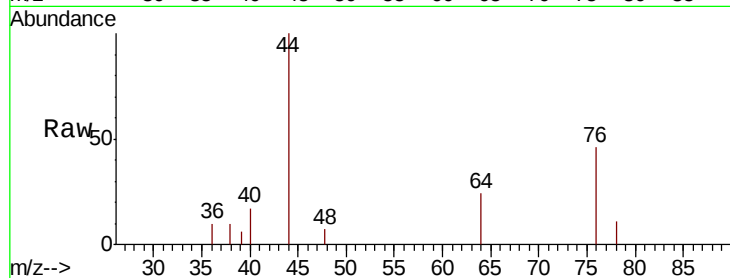
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 76 Resp: 711

Ion Ratio Lower Upper

76 100

78 23.2 7.3 10.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006065.D

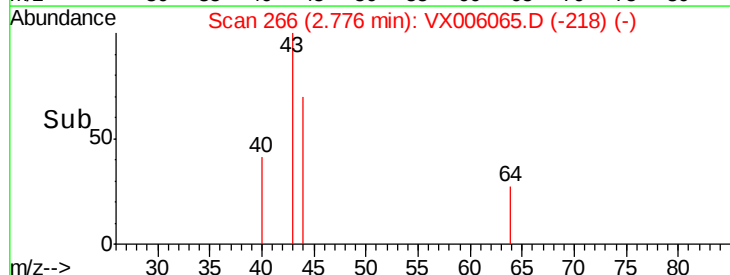
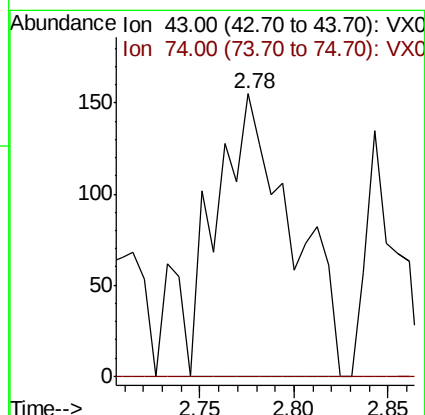
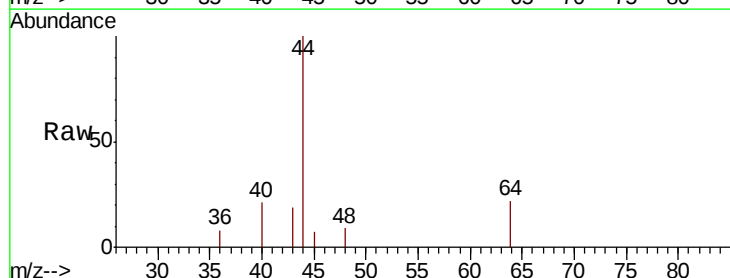
Acq: 17 Nov 2018 13:05

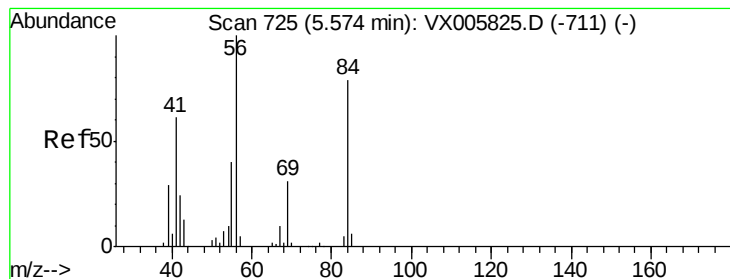
Tgt Ion: 43 Resp: 427

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

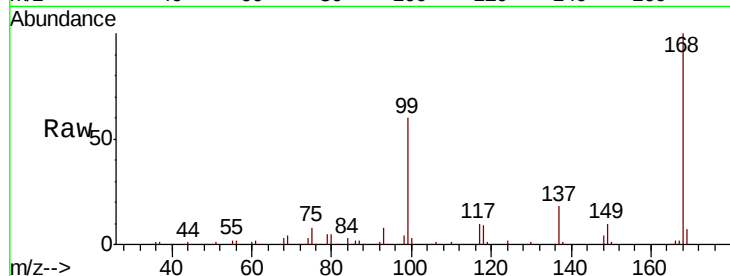
Tot Ion: 56 Resp: 2194

Ion Ratio Lower Upper

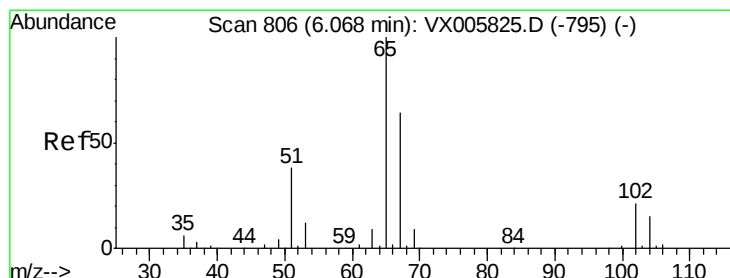
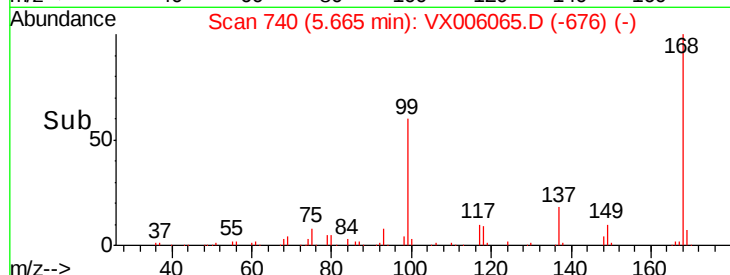
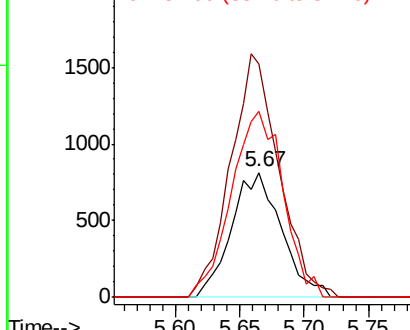
56 100

69 186.2 22.6 34.0#

84 149.0 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.008 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006065.D

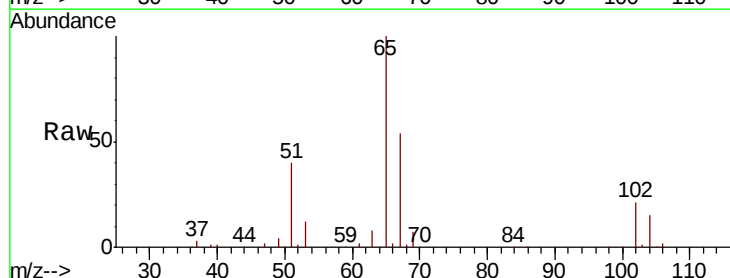
Acq: 17 Nov 2018 13:05

Tgt Ion: 65 Resp: 70814

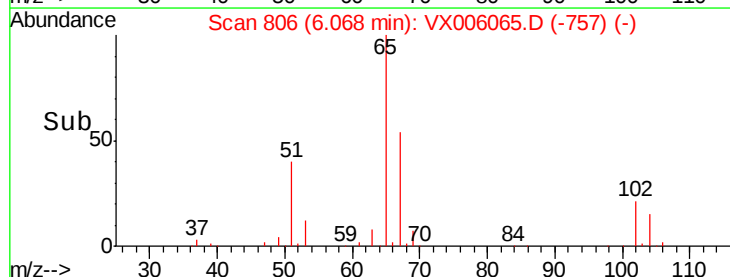
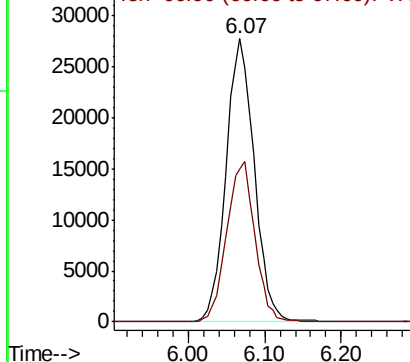
Ion Ratio Lower Upper

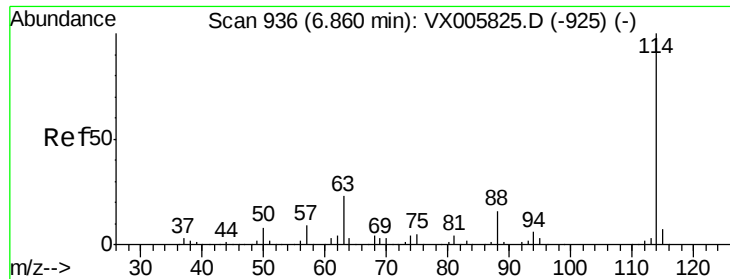
65 100

67 56.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

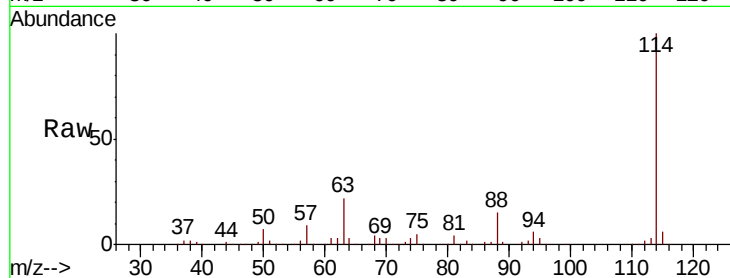




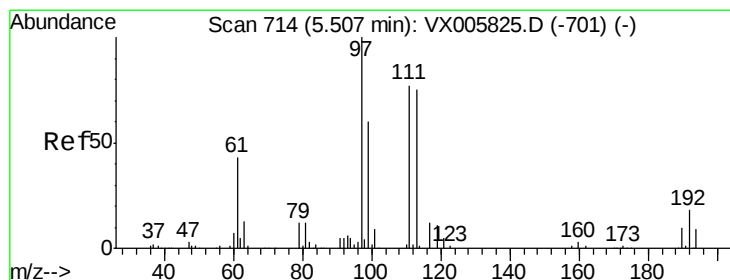
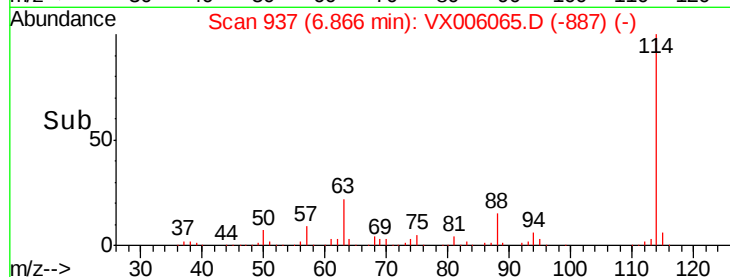
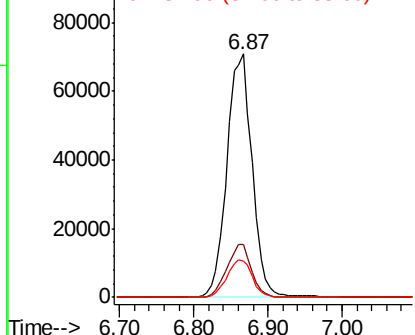
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX006065.D
 Acq: 17 Nov 2018 13:05

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

Tot Ion:114 Resp: 168573
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.8
 88 14.9 0.0 31.2

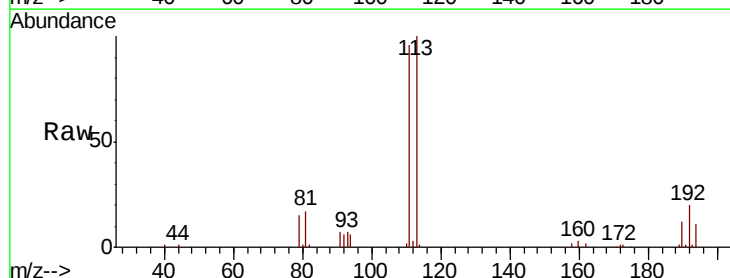


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

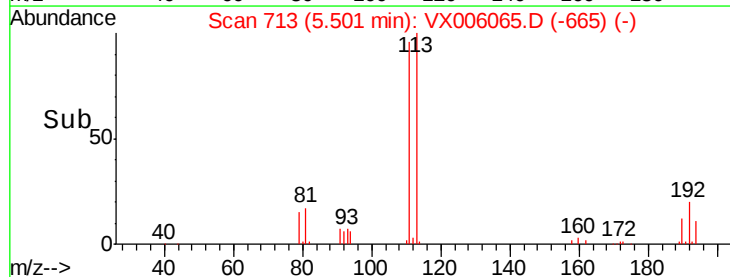
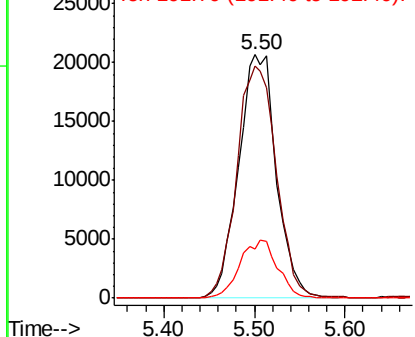


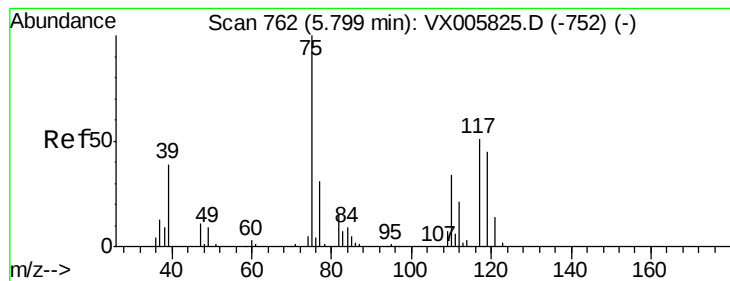
#35
 Dibromofluoromethane
 Concen: 52.027 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX006065.D
 Acq: 17 Nov 2018 13:05

Tgt Ion:113 Resp: 59652
 Ion Ratio Lower Upper
 113 100
 111 99.9 82.3 123.5
 192 23.6 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.118 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

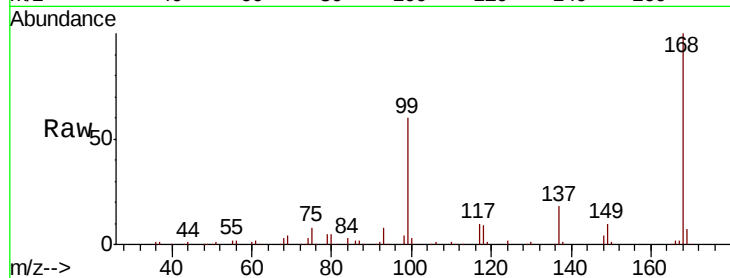
Tot Ion: 75 Resp: 8317

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.2#

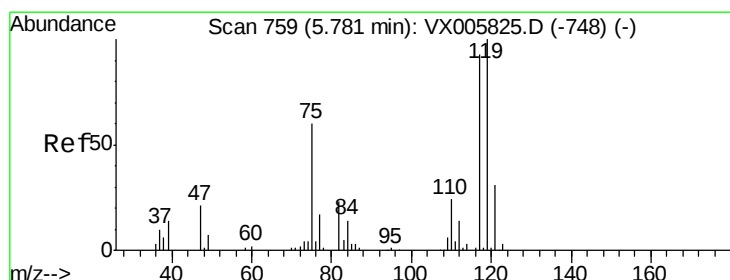
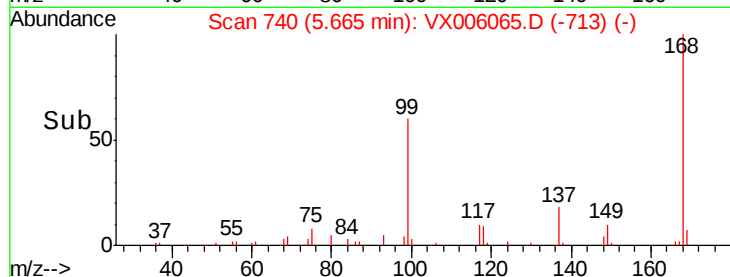
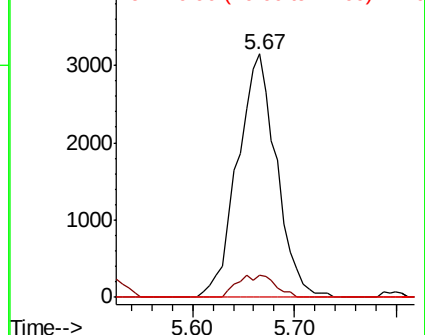
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.679 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

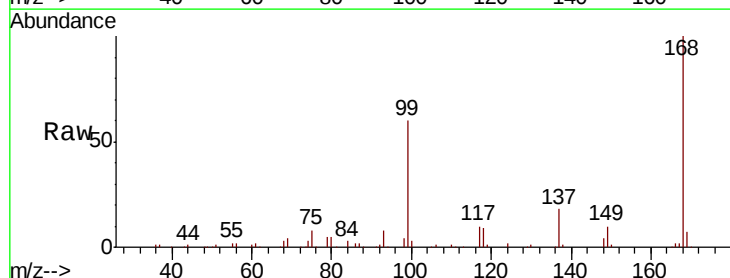
Tgt Ion: 117 Resp: 10866

Ion Ratio Lower Upper

117 100

119 6.5 78.1 117.1#

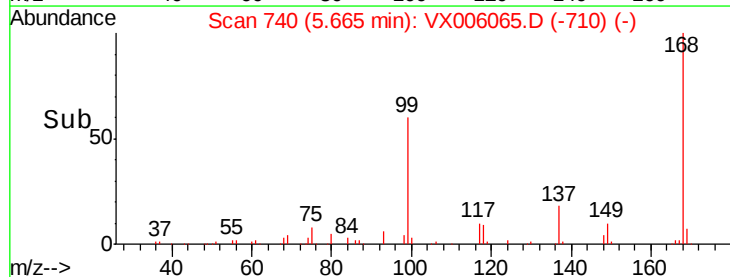
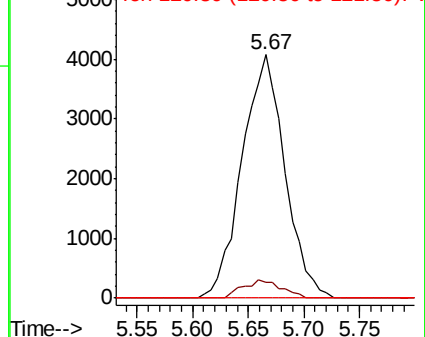
121 0.0 24.6 36.8#

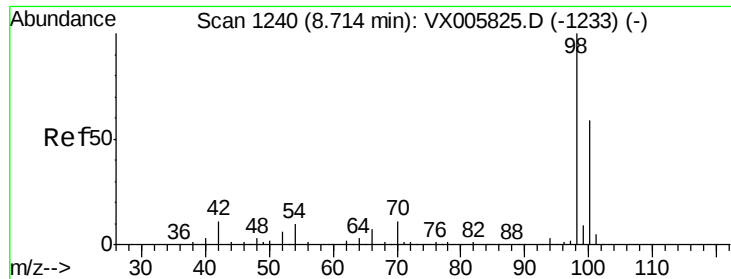


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.734 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

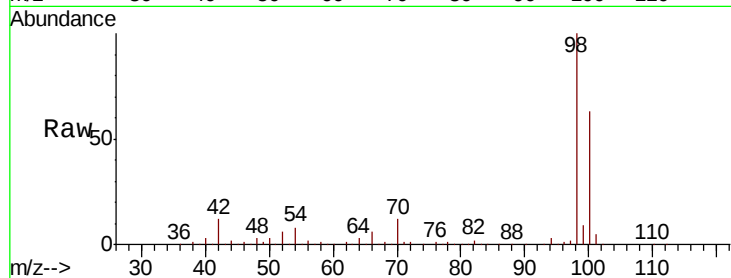
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 189577

Ion Ratio Lower Upper

98 100

100 63.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

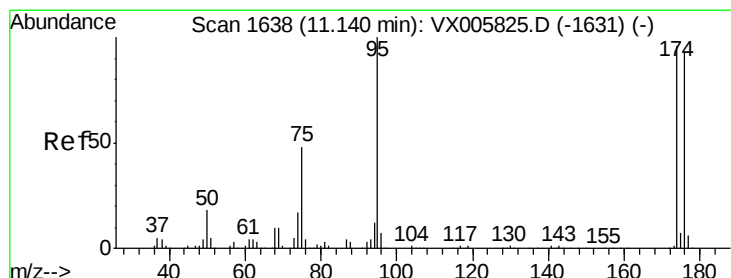
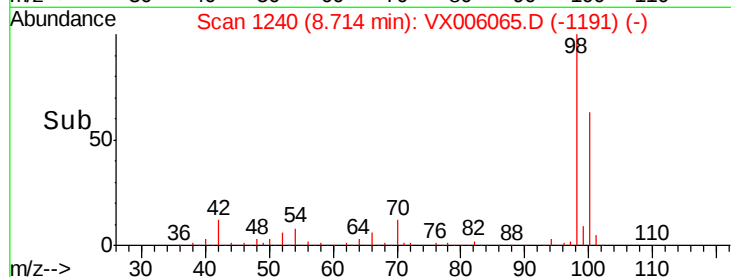
100000

50000

0

Time-->

8.60 8.70 8.80 8.90 9.00



#62

4-Bromofluorobenzene

Concen: 46.552 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

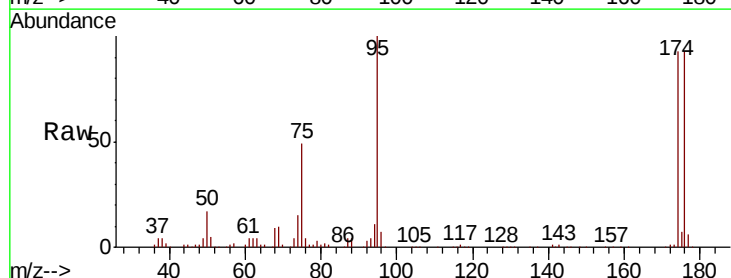
Tgt Ion: 95 Resp: 63798

Ion Ratio Lower Upper

95 100

174 93.0 0.0 184.4

176 89.5 0.0 177.4



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

11.14

60000

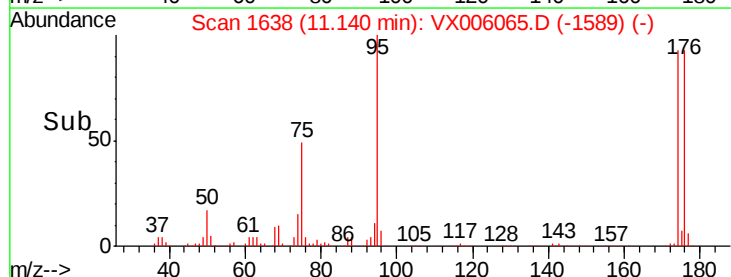
40000

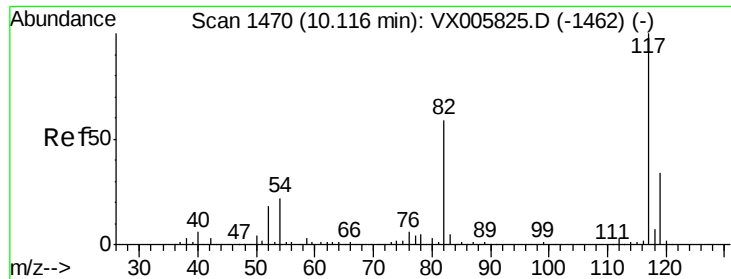
20000

0

Time-->

11.10 11.20

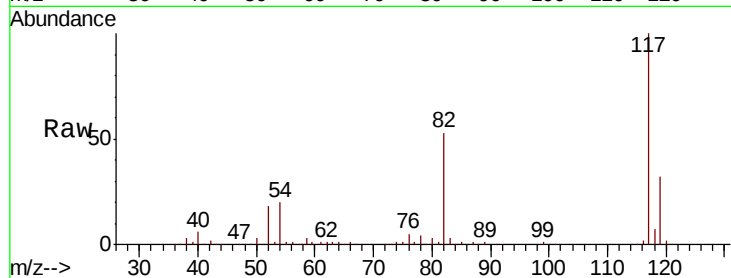




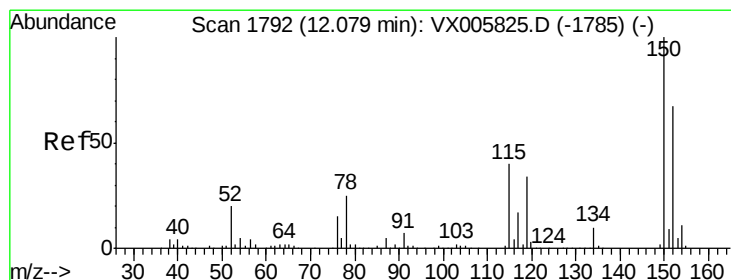
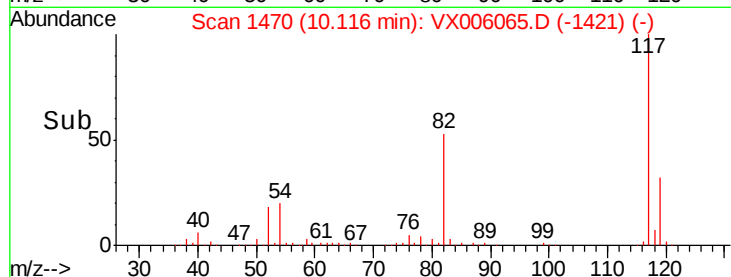
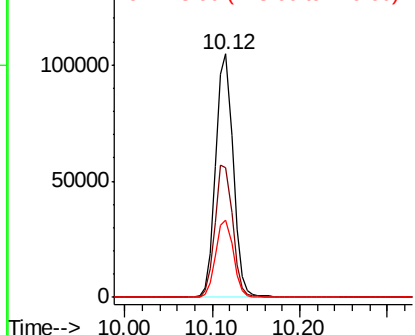
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006065.D
Acq: 17 Nov 2018 13:05

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

Tot Ion:117 Resp: 145014
Ion Ratio Lower Upper
117 100
82 53.3 44.1 66.1
119 31.8 26.2 39.2

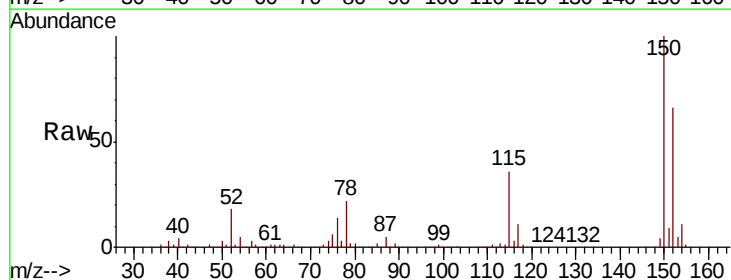


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

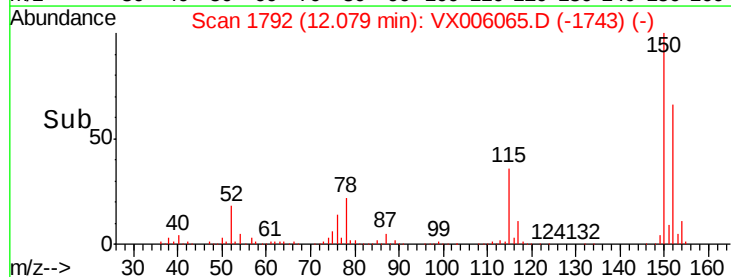
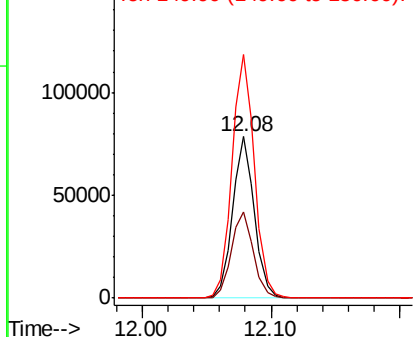


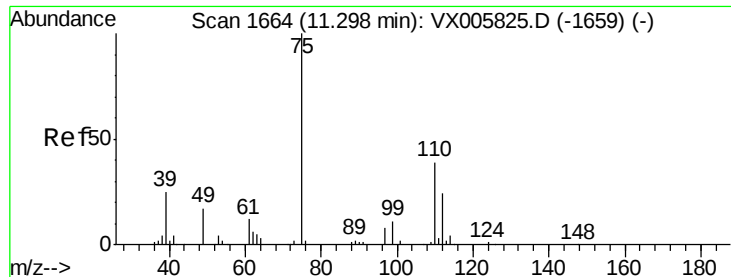
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006065.D
Acq: 17 Nov 2018 13:05

Tgt Ion:152 Resp: 91939
Ion Ratio Lower Upper
152 100
115 54.8 39.4 118.1
150 156.7 0.0 346.4



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: 16.922 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

Instrument :

MSVOA_X

ClientSampleId :

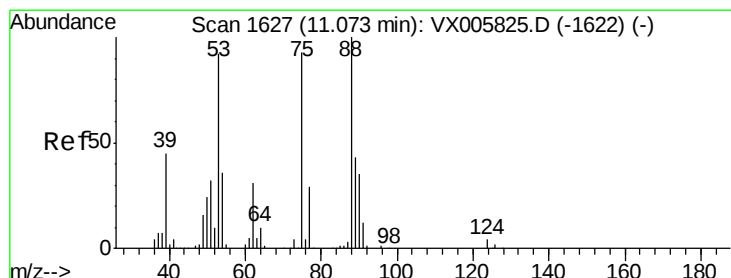
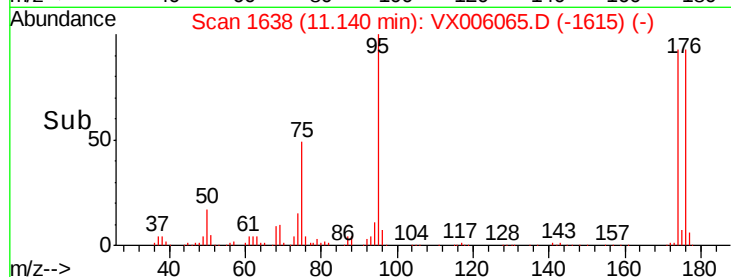
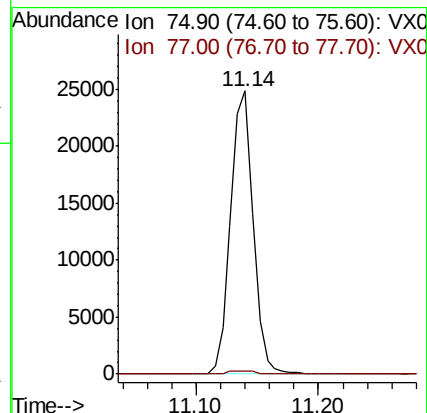
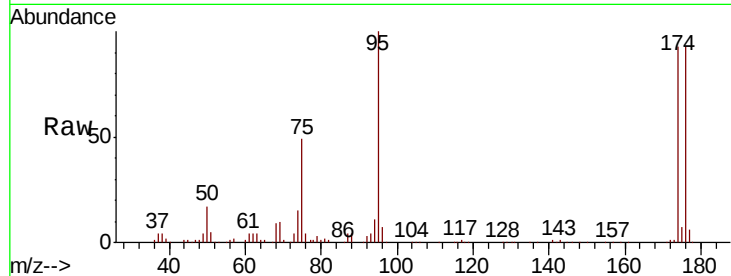
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 31680

Ion Ratio Lower Upper

75 100

77 1.3 20.5 61.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.934 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006065.D

Acq: 17 Nov 2018 13:05

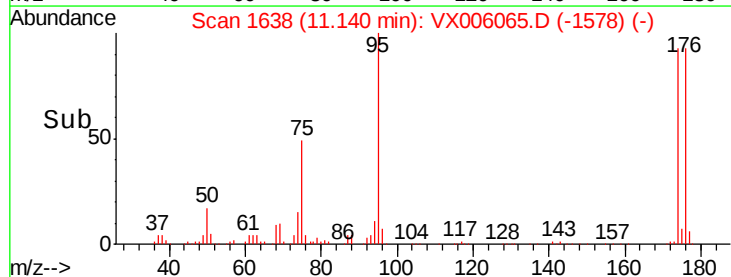
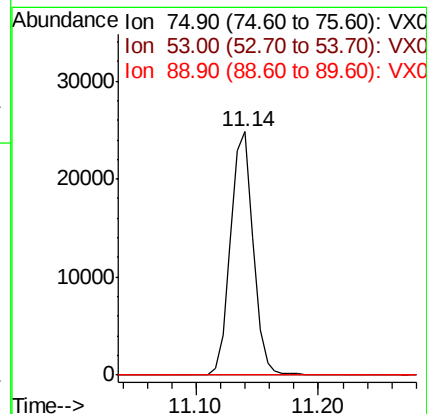
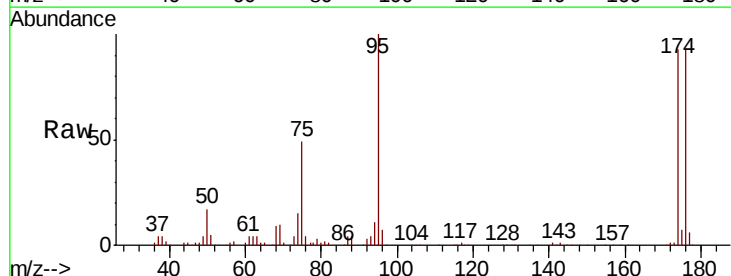
Tgt Ion: 75 Resp: 31680

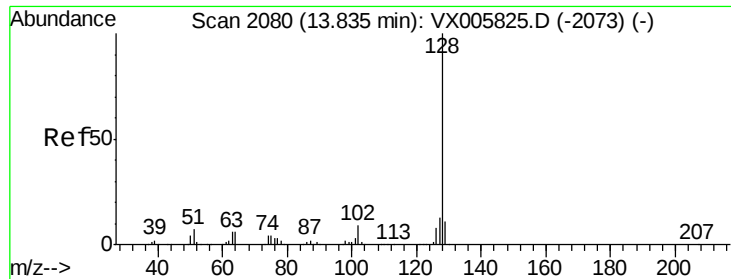
Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

89 0.0 39.8 59.8#





#95
 Naphthalene
 Concen: 1.282 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX006065.D
 Acq: 17 Nov 2018 13:05

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.4	15.6
129	7.9	8.7	13.1

