

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
 Data File : VX006856.D
 Acq On : 28 Dec 2018 13:00
 Operator : JC/MD
 Sample : J6592-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 28 22:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

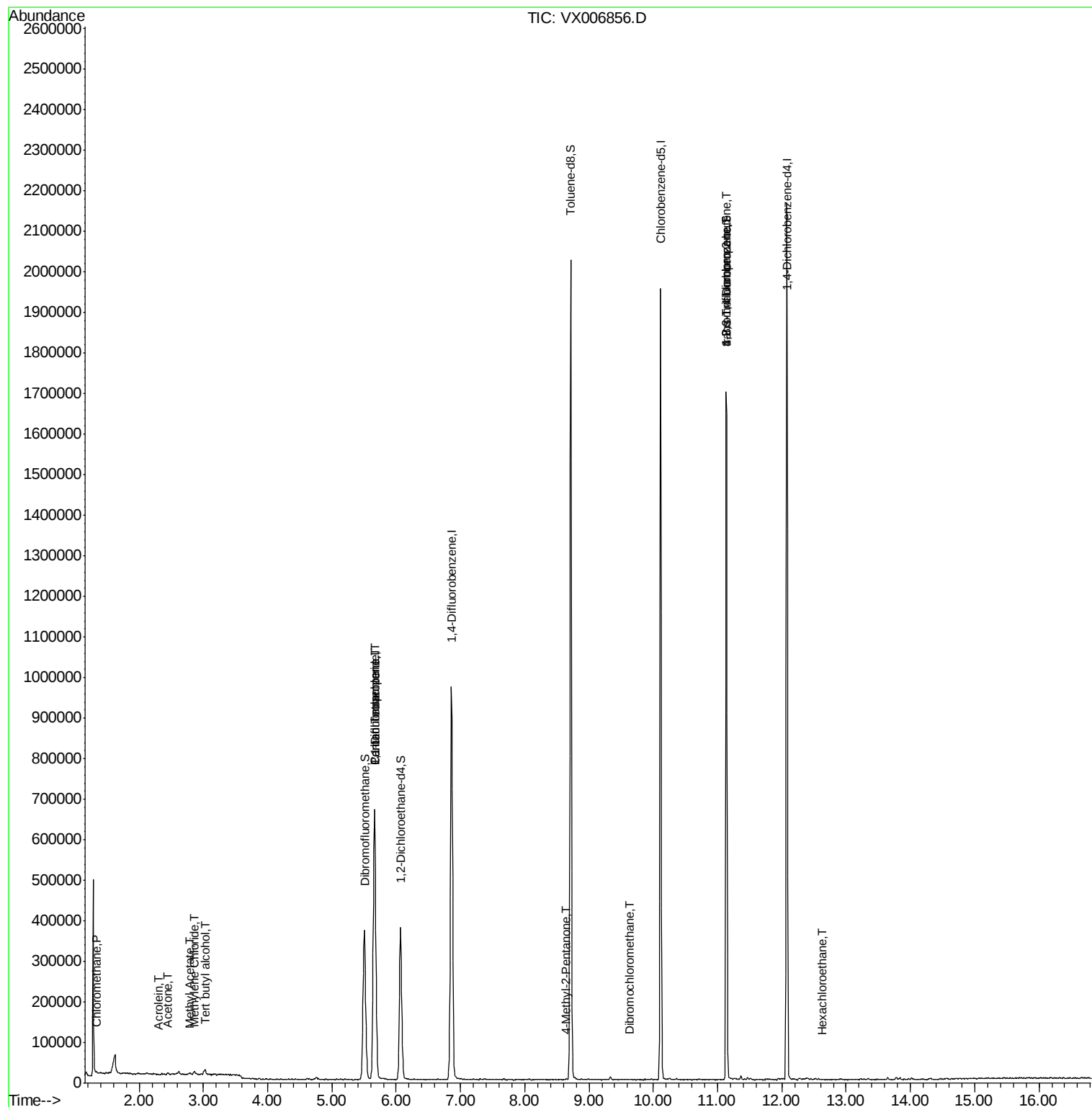
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	698947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1034504	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	945517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	469496	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	345057	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
35) Dibromofluoromethane	5.51	113	314966	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
50) Toluene-d8	8.71	98	1217138	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	436646	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1379	0.200 ug/l	#	52
5) Bromomethane	1.65	94	2452	Below Cal	#	67
11) Tert butyl alcohol	3.03	59	8457	5.030 ug/l	#	76
13) Acrolein	2.29	56	554	0.488 ug/l		90
16) Acetone	2.44	43	4682	1.353 ug/l	#	81
18) Methyl Acetate	2.78	43	6500	0.639 ug/l	#	84
20) Methylene Chloride	2.85	84	3696	0.516 ug/l	#	75
28) Bromochloromethane	5.03	49	552	Below Cal	#	29
36) 1,1-Dichloropropene	5.66	75	43583	5.087 ug/l	#	48
38) Carbon Tetrachloride	5.66	117	62936	7.558 ug/l	#	14
49) 1,4-Dioxane	7.76	88	104	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.65	43	1859	0.215 ug/l	#	74
60) Dibromochloromethane	9.64	129	36	2.329 ug/l		83
76) 1,2,3-Trichloropropane	11.13	75	208200	23.862 ug/l	#	40
81) trans-1,4-Dichloro-2-buten	11.13	75	208200	70.704 ug/l	#	10
90) Hexachloroethane	12.64	117	94	3.313 ug/l		82

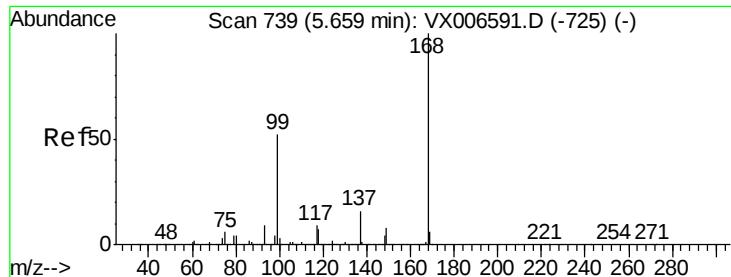
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

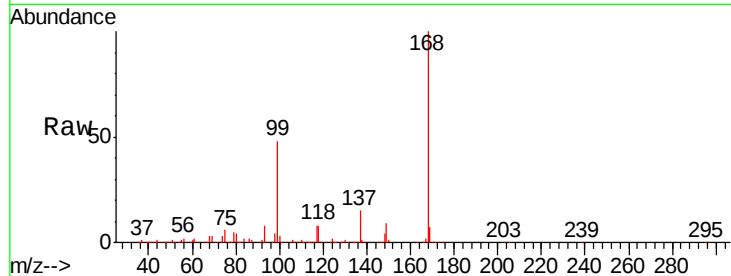
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 698947

Ion Ratio Lower Upper

168 100

99 48.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

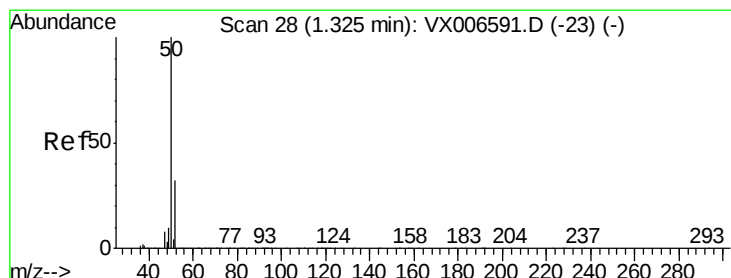
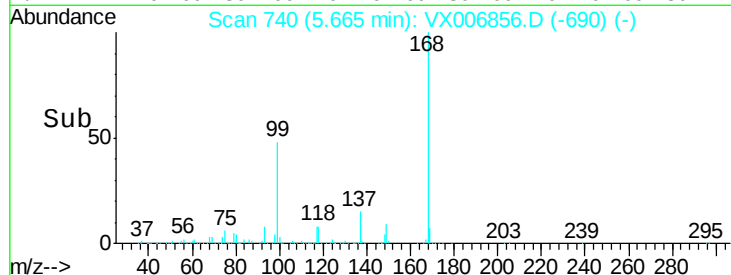
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006856.D

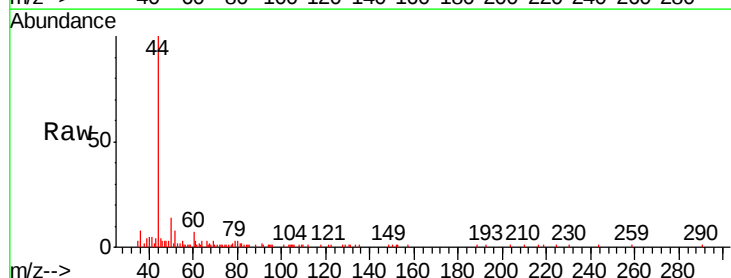
Acq: 28 Dec 2018 13:00

Tgt Ion: 50 Resp: 1379

Ion Ratio Lower Upper

50 100

52 58.5 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

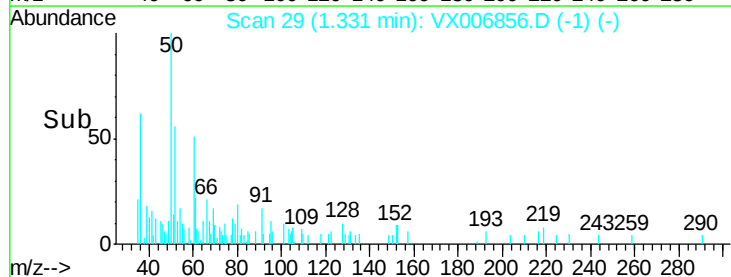
1500

1000

500

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

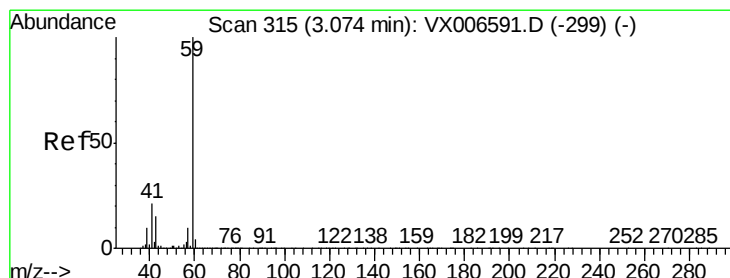
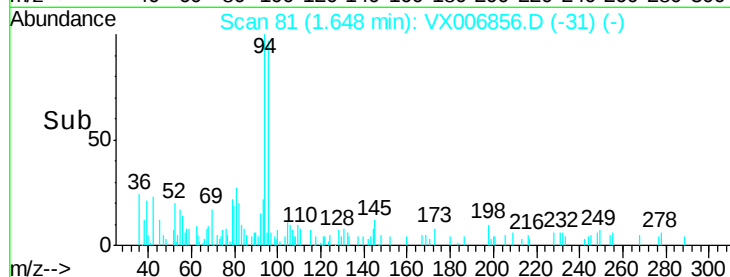
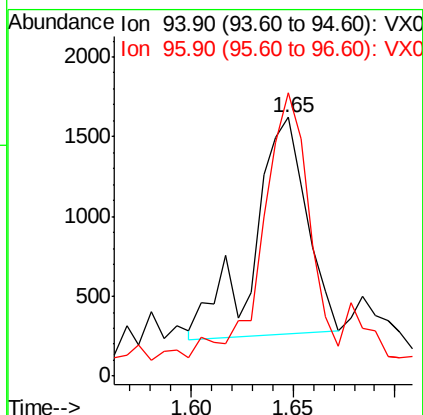
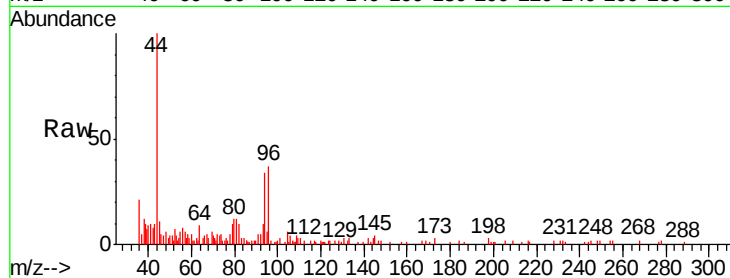
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 94 Resp: 2452

Ion Ratio Lower Upper

94 100

96 123.7 73.4 110.2#



#11

Tert butyl alcohol

Concen: 5.030 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006856.D

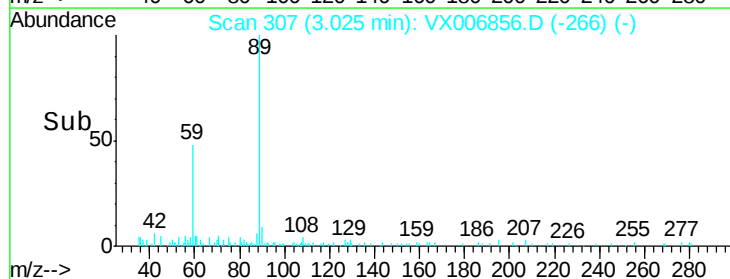
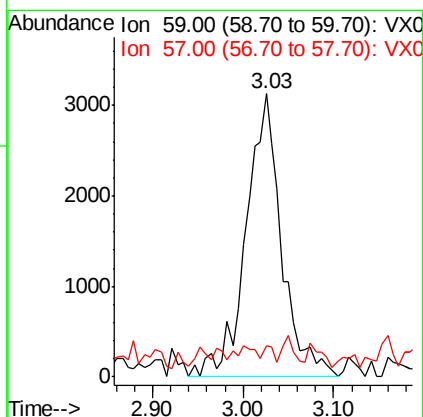
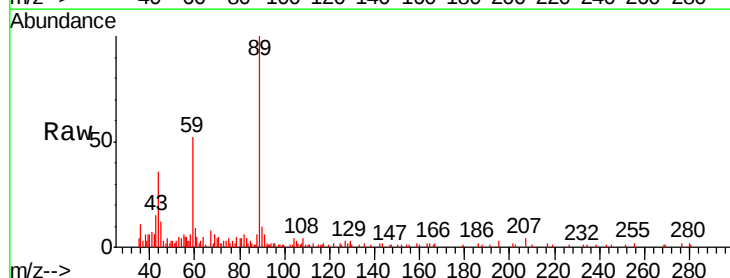
Acq: 28 Dec 2018 13:00

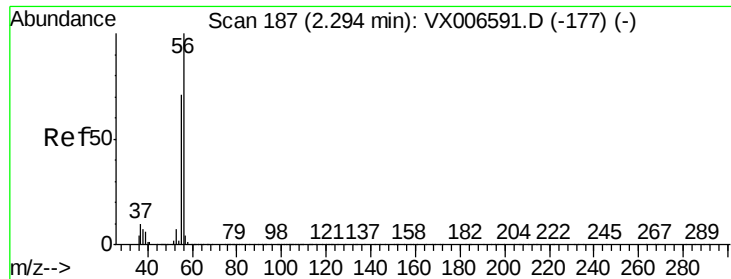
Tgt Ion: 59 Resp: 8457

Ion Ratio Lower Upper

59 100

57 1.6 8.5 12.7#





#13

Acrolein

Concen: 0.488 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

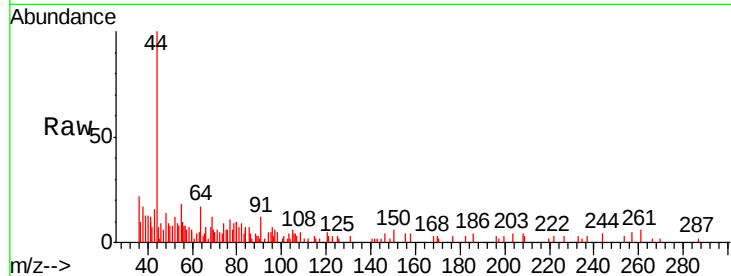
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 56 Resp: 554

Ion Ratio Lower Upper

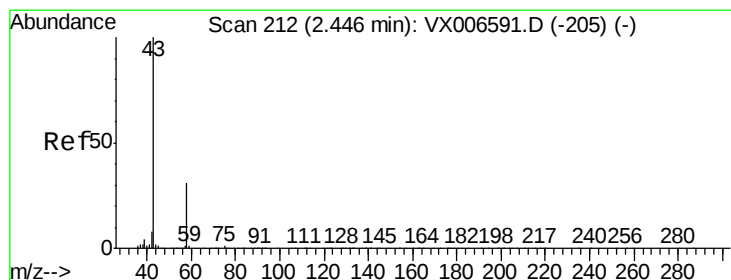
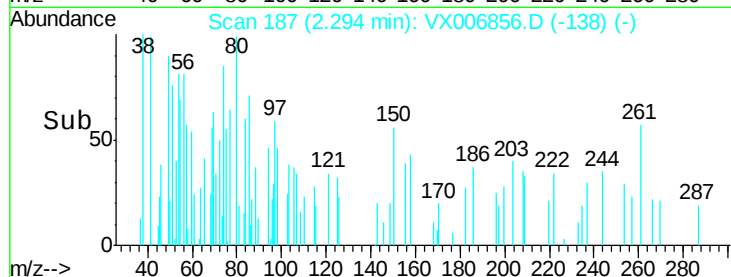
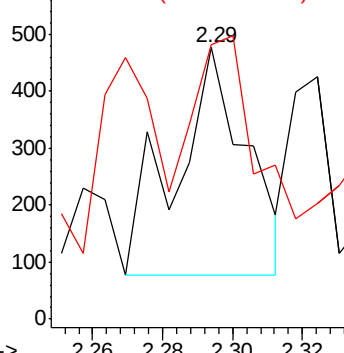
56 100

55 64.1 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.353 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006856.D

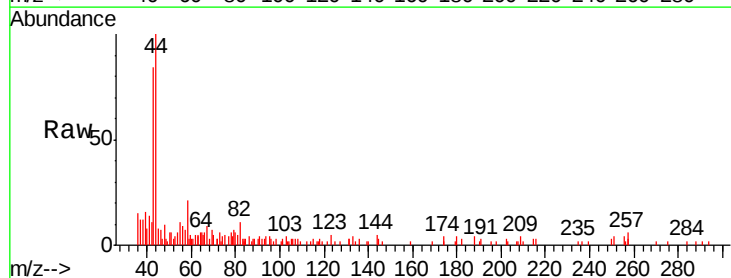
Acq: 28 Dec 2018 13:00

Tgt Ion: 43 Resp: 4682

Ion Ratio Lower Upper

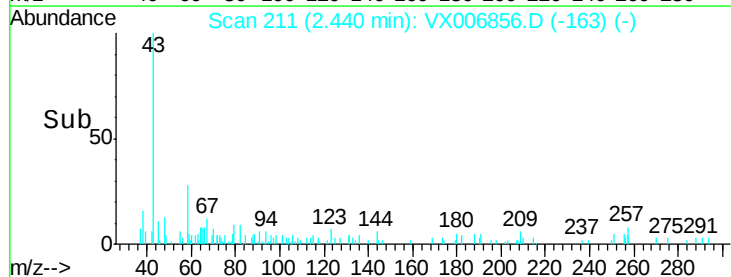
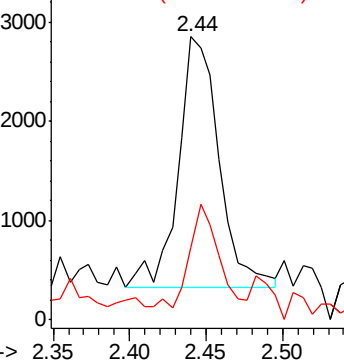
43 100

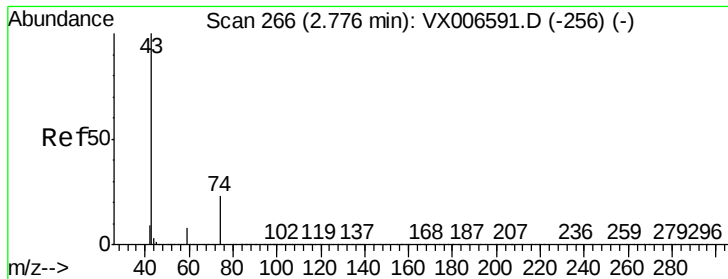
58 20.9 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

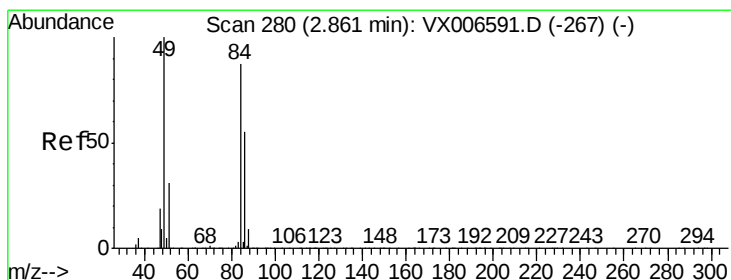
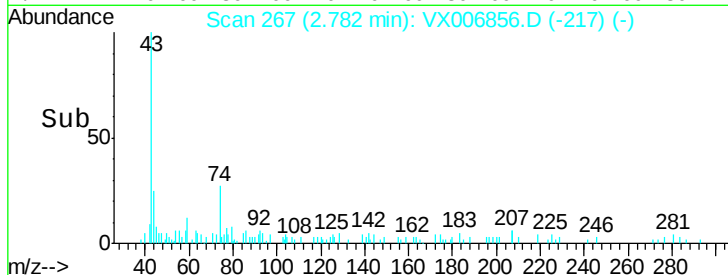
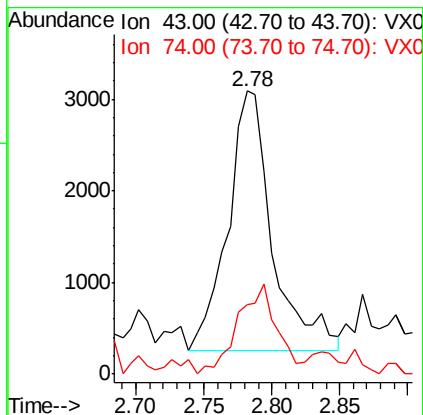
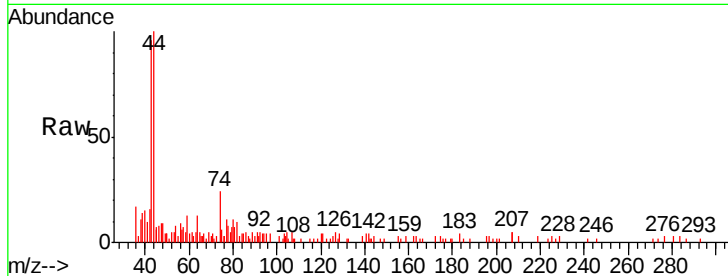




#18
Methyl Acetate
Concen: 0.639 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006856.D
Acq: 28 Dec 2018 13:00

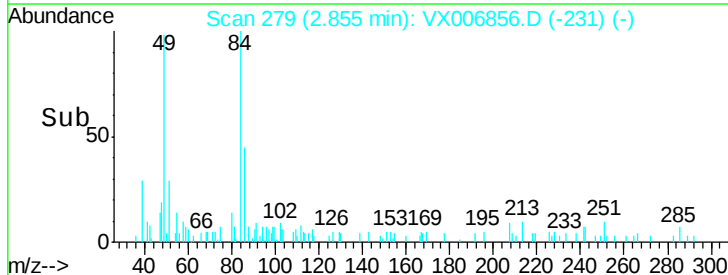
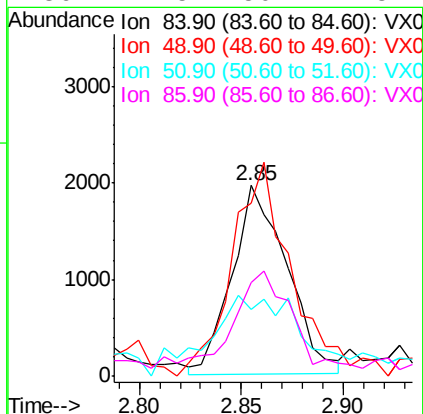
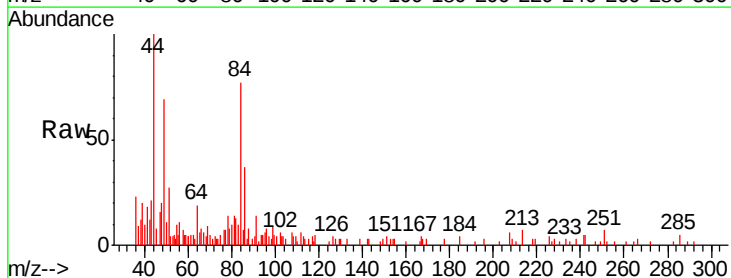
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

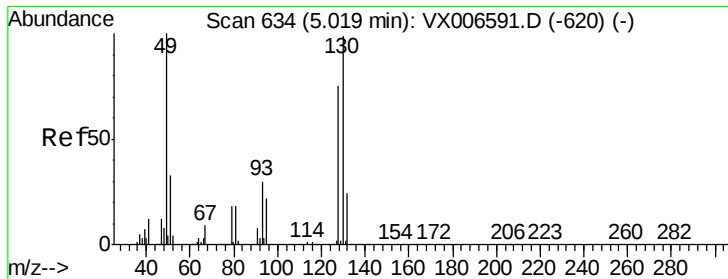
Tgt Ion: 43 Resp: 6500
Ion Ratio Lower Upper
43 100
74 30.9 18.6 28.0#



#20
Methylene Chloride
Concen: 0.516 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006856.D
Acq: 28 Dec 2018 13:00

Tgt Ion: 84 Resp: 3696
Ion Ratio Lower Upper
84 100
49 87.9 91.8 137.6#
51 24.2 28.5 42.7#
86 41.5 50.2 75.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

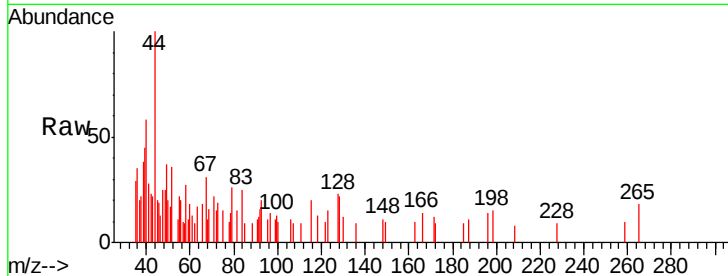
Tgt Ion: 49 Resp: 552

Ion Ratio Lower Upper

49 100

129 8.0 0.0 5.4#

130 26.1 77.7 116.5#



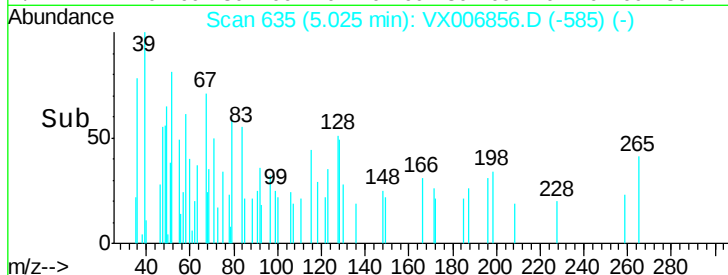
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

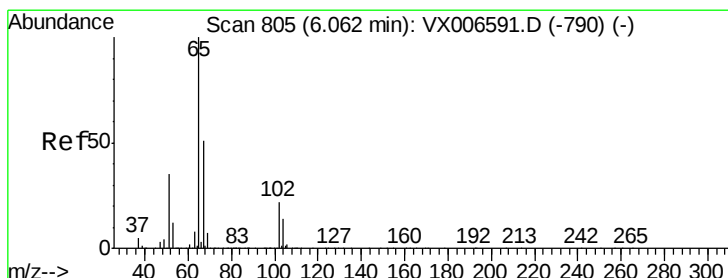
Ion 129.80 (129.50 to 130.50): V

5.03

4.98 5.00 5.02 5.04 5.06



Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.806 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006856.D

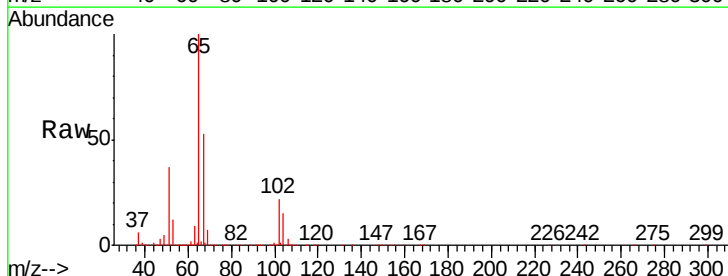
Acq: 28 Dec 2018 13:00

Tgt Ion: 65 Resp: 345057

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.0

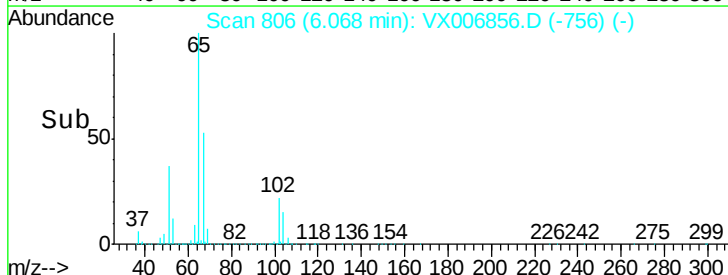


Abundance Ion 64.90 (64.60 to 65.60): VX0

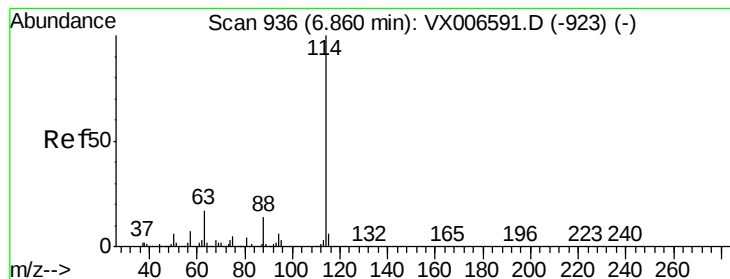
Ion 66.90 (66.60 to 67.60): VX0

6.07

6.00 6.10 6.20



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

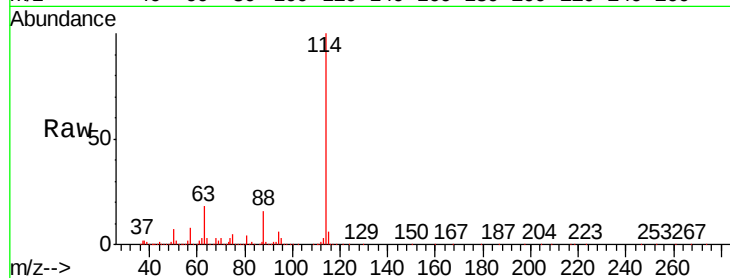
Tgt Ion:114 Resp: 1034504

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

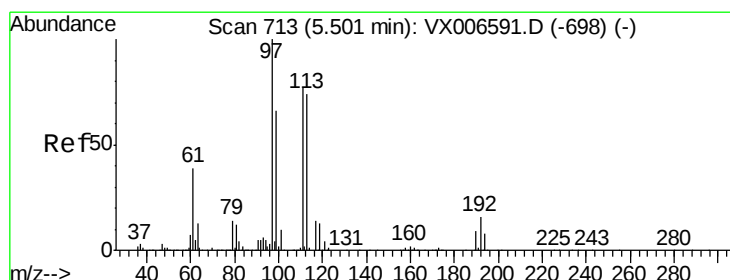
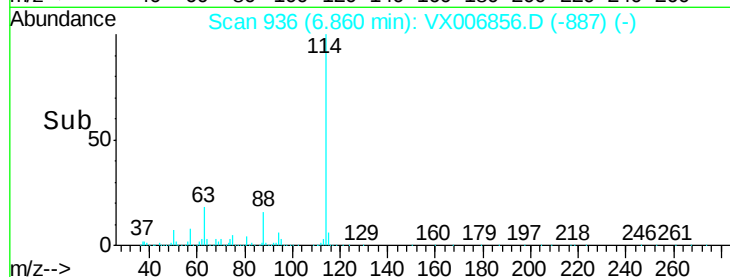
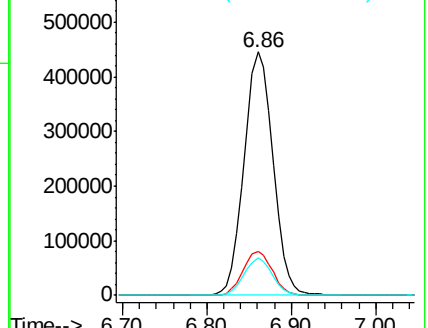
88 15.5 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.145 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

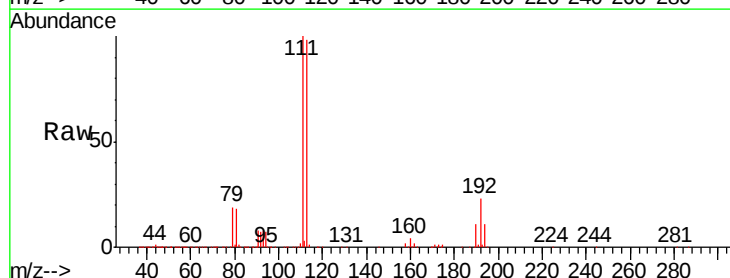
Tgt Ion:113 Resp: 314966

Ion Ratio Lower Upper

113 100

111 99.9 81.6 122.4

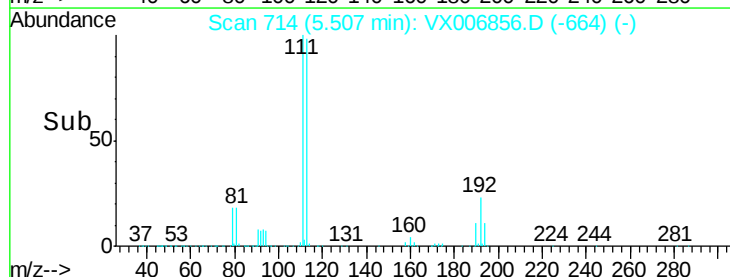
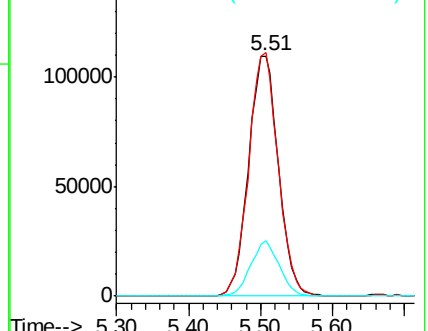
192 22.1 16.7 25.1

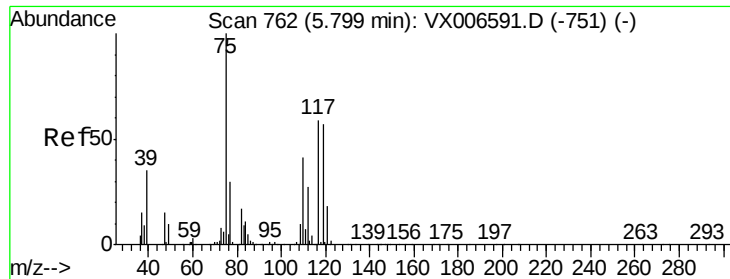


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.087 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

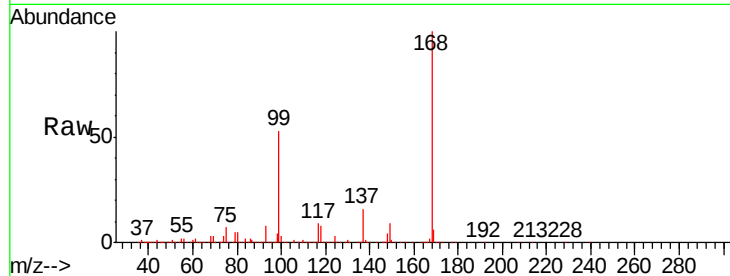
Tgt Ion: 75 Resp: 43583

Ion Ratio Lower Upper

75 100

110 10.2 20.2 60.5#

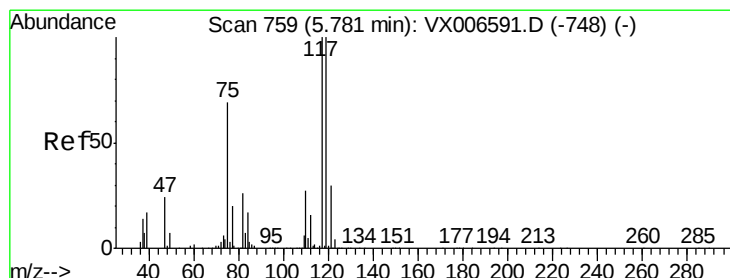
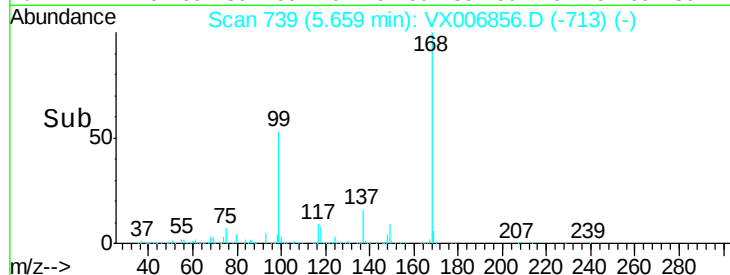
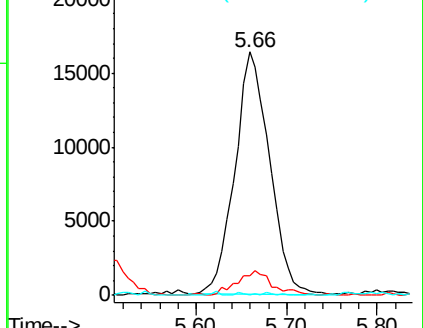
77 0.5 24.8 37.2#



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: 7.558 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

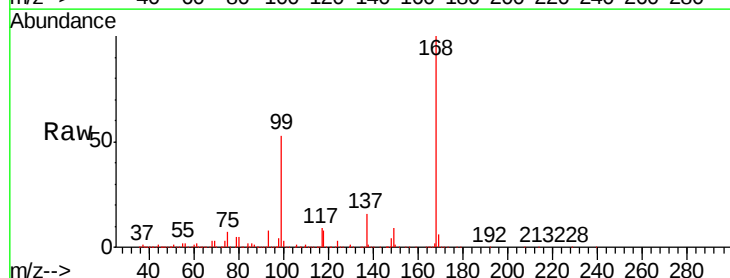
Tgt Ion: 117 Resp: 62936

Ion Ratio Lower Upper

117 100

119 4.0 79.4 119.2#

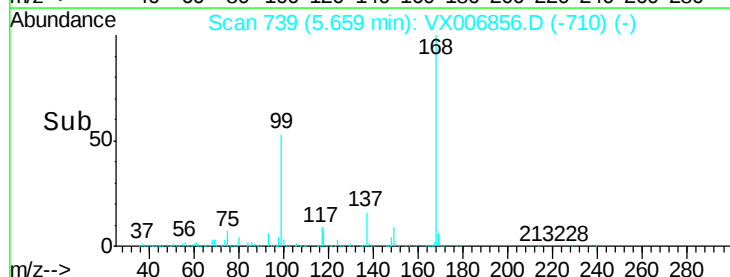
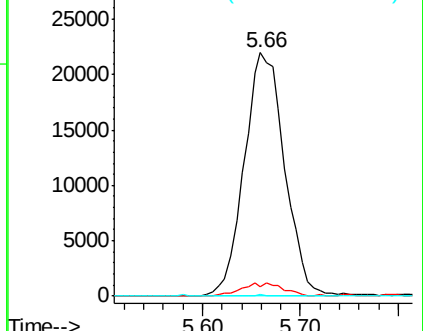
121 0.8 24.0 36.0#

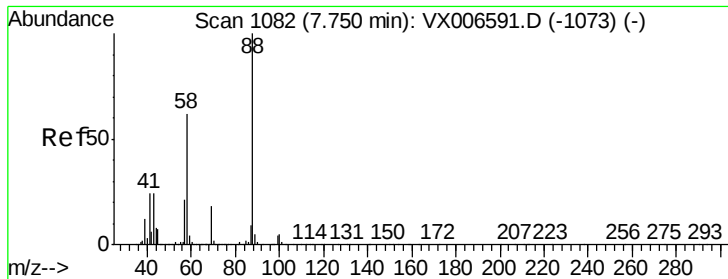


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

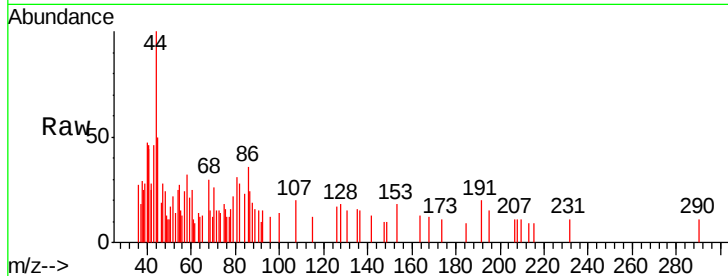
Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

43 103.8 22.2 33.4#

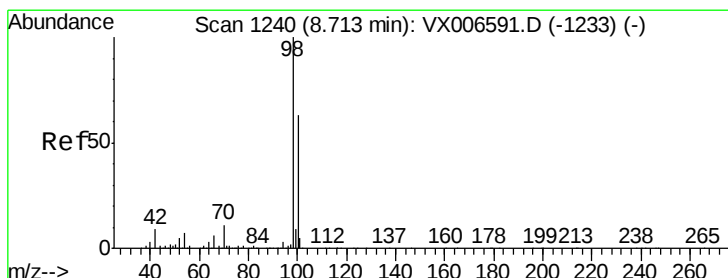
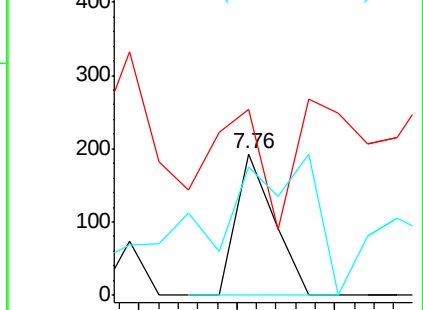
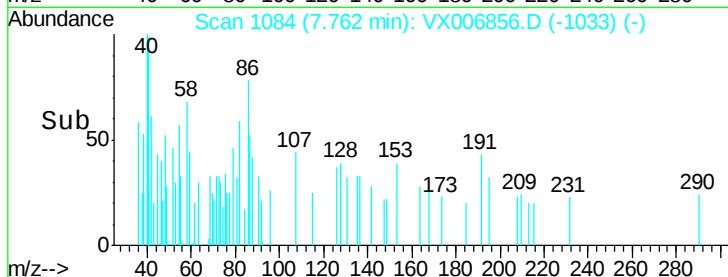
58 0.0 51.0 76.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.350 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006856.D

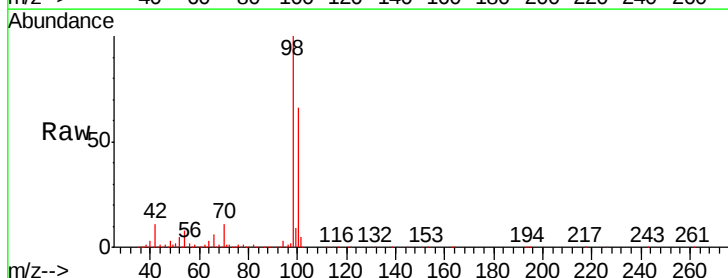
Acq: 28 Dec 2018 13:00

Tgt Ion: 98 Resp: 1217138

Ion Ratio Lower Upper

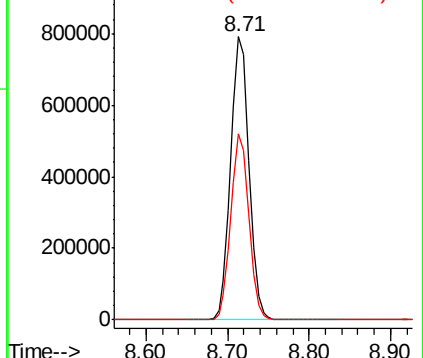
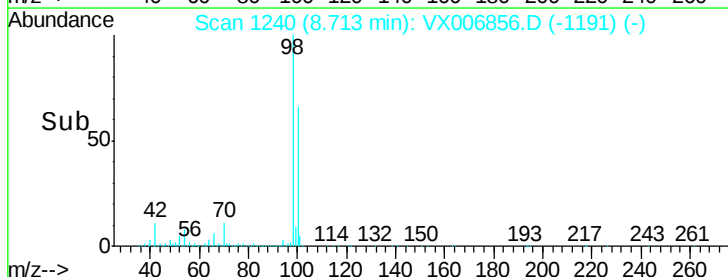
98 100

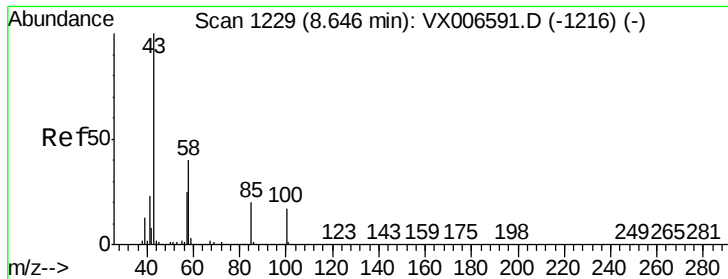
100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

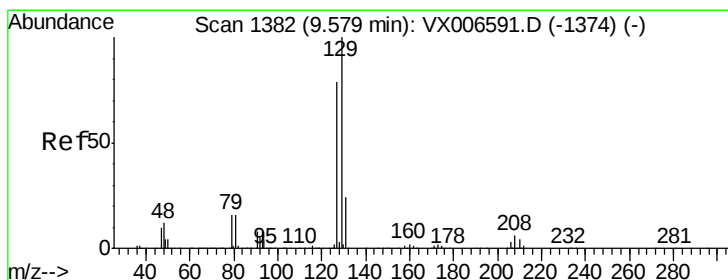
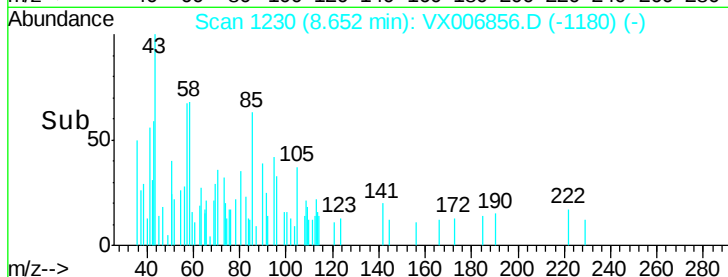
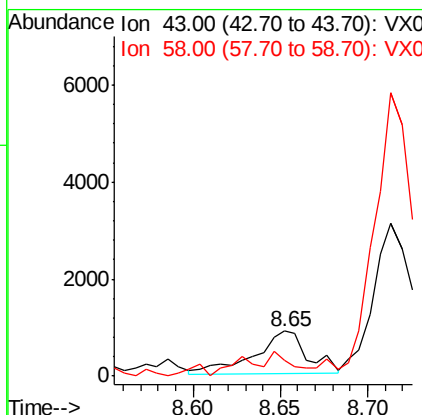
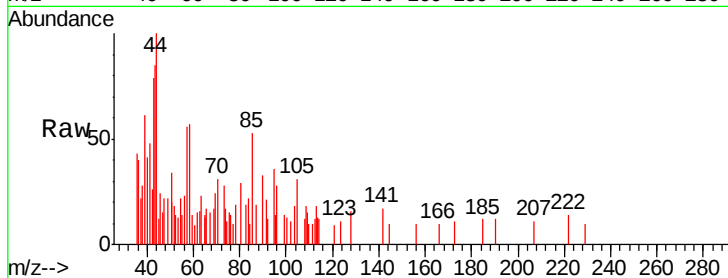




#51
 4-Methyl-2-Pentanone
 Concen: 0.215 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VX006856.D
 Acq: 28 Dec 2018 13:00

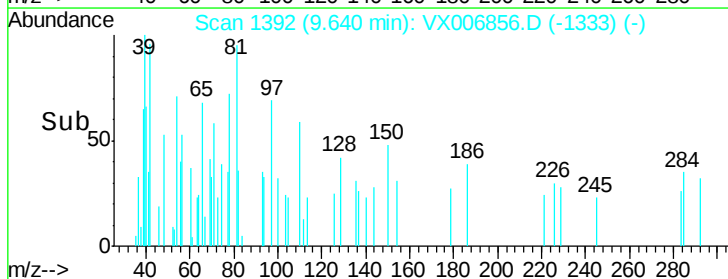
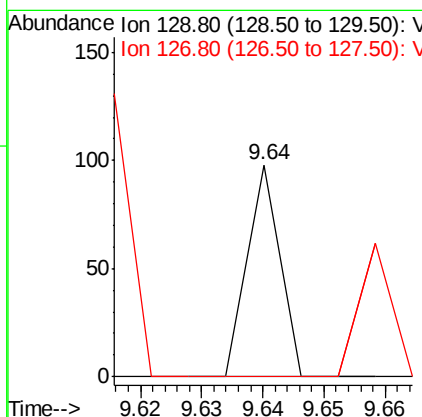
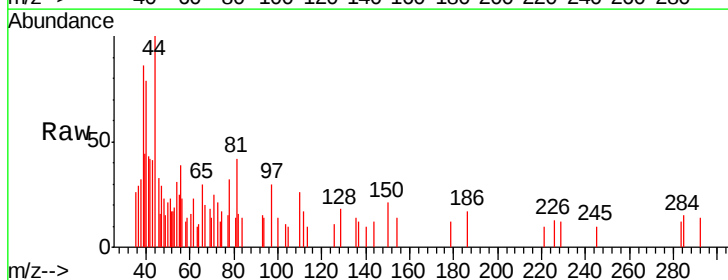
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

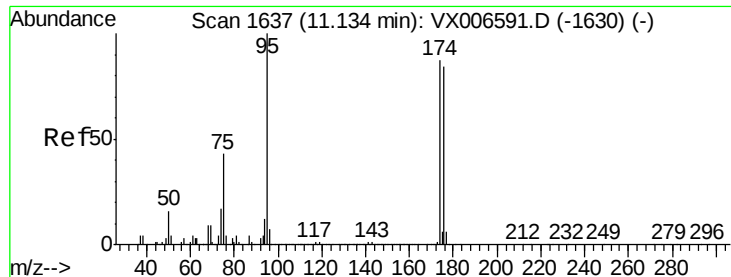
Tgt Ion: 43 Resp: 1859
 Ion Ratio Lower Upper
 43 100
 58 23.7 31.8 47.6#



#60
 Dibromochloromethane
 Concen: 2.329 ug/l
 RT: 9.64 min Scan# 1392
 Delta R.T. 0.06 min
 Lab File: VX006856.D
 Acq: 28 Dec 2018 13:00

Tgt Ion: 129 Resp: 36
 Ion Ratio Lower Upper
 129 100
 127 63.9 39.3 117.8





#62

4-Bromofluorobenzene

Concen: 48.340 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

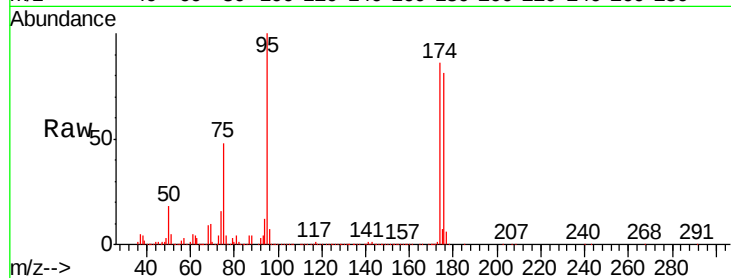
Tgt Ion: 95 Resp: 436646

Ion Ratio Lower Upper

95 100

174 94.3 0.0 182.2

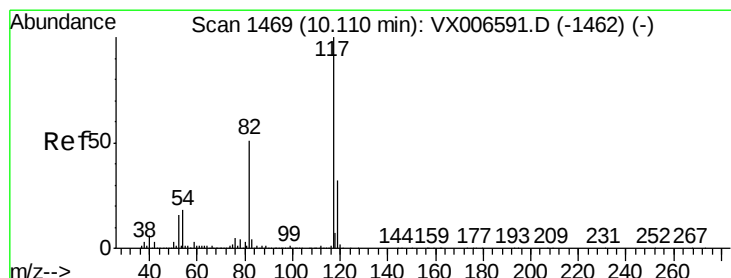
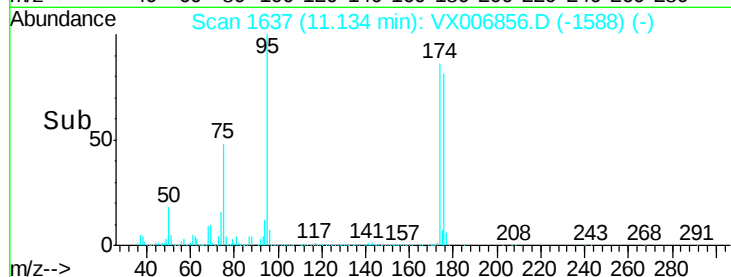
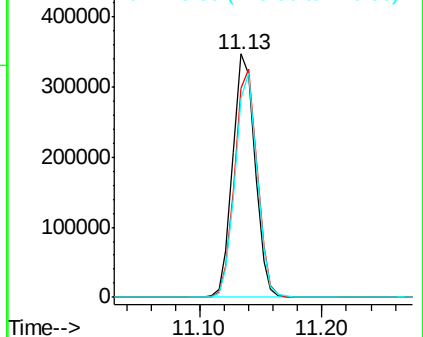
176 90.3 0.0 178.8



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006856.D

Acq: 28 Dec 2018 13:00

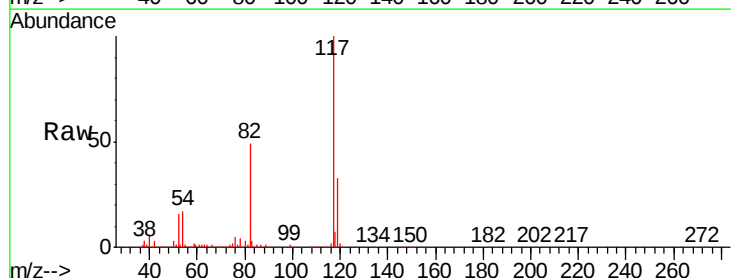
Tgt Ion: 117 Resp: 945517

Ion Ratio Lower Upper

117 100

82 49.0 41.0 61.6

119 33.4 25.4 38.0



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

