

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003298.D
 Acq On : 10 Jul 2018 21:29
 Operator : JC/MD
 Sample : J3892-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-SOILREF-5

Quant Time: Jul 11 00:56:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183507	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	157424	40.44	ug/l	0.00
Spiked Amount			Recovery	=	80.88%	
35) Dibromofluoromethane	5.51	113	134454	36.67	ug/l	0.00
Spiked Amount			Recovery	=	73.34%	
50) Toluene-d8	8.72	98	481952	37.00	ug/l	0.00
Spiked Amount			Recovery	=	74.00%	
62) 4-Bromofluorobenzene	11.14	95	165206	34.33	ug/l	0.00
Spiked Amount			Recovery	=	68.66%	

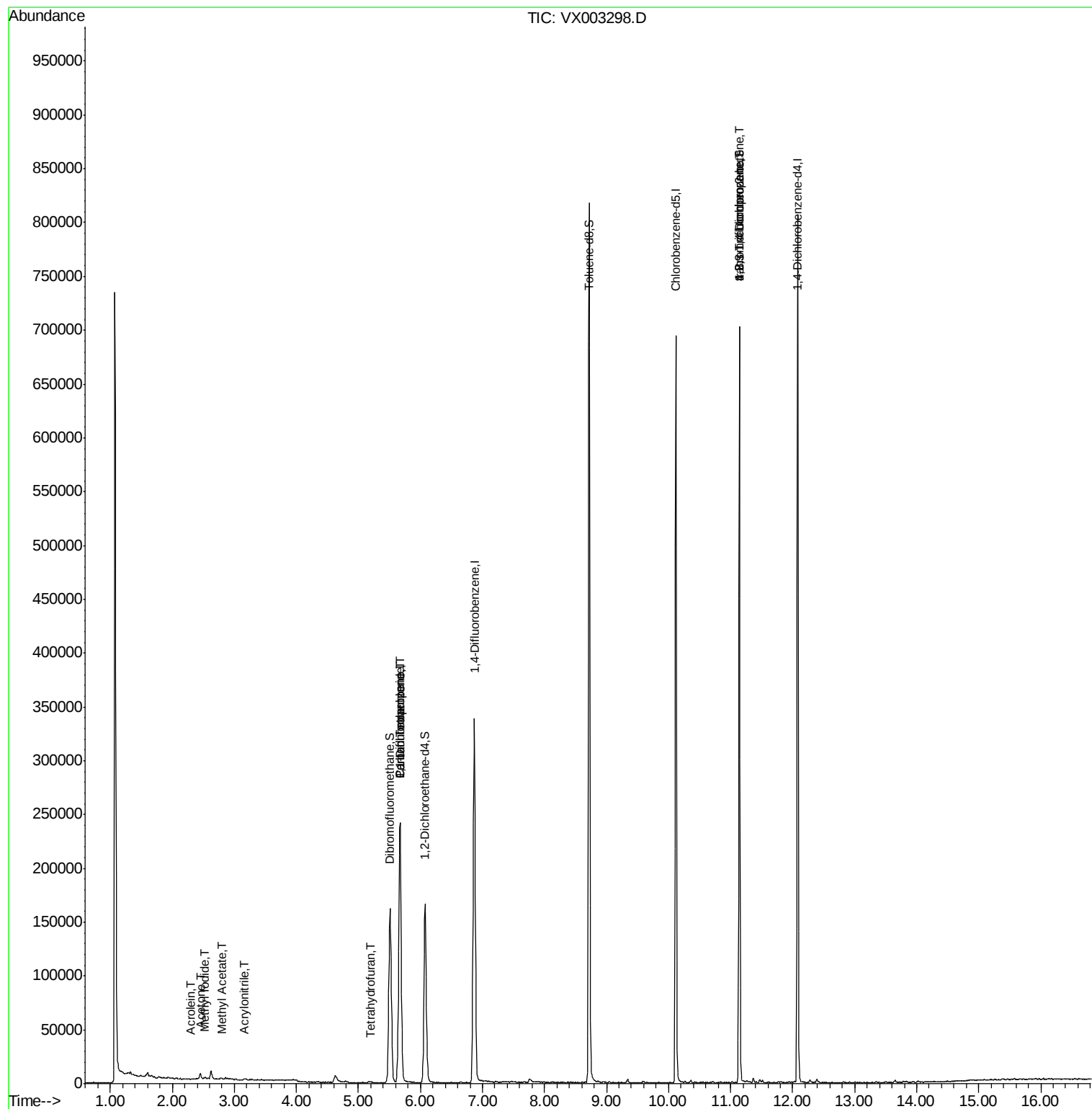
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	1278	Below Cal		81
10) Methyl Iodide	2.52	142	2207	6.23	ug/l	96
13) Acrolein	2.31	56	256	0.45	ug/l #	56
15) Acrylonitrile	3.16	53	387	0.25	ug/l #	77
16) Acetone	2.45	43	6024	4.36	ug/l	100
18) Methyl Acetate	2.79	43	1305	0.33	ug/l #	90
20) Methylene Chloride	2.86	84	646	Below Cal	#	66
29) Tetrahydrofuran	5.19	42	467	0.29	ug/l #	87
36) 1,1-Dichloropropene	5.67	75	15667	3.24	ug/l #	51
38) Carbon Tetrachloride	5.67	117	21901	4.14	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	81797	20.63	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	81797	67.41	ug/l #	7

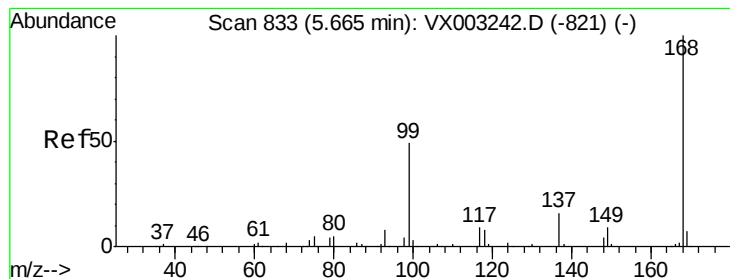
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 00:56:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003298.D

Acq: 10 Jul 2018 21:29

Instrument :

MSVOA_X

ClientSampleId :

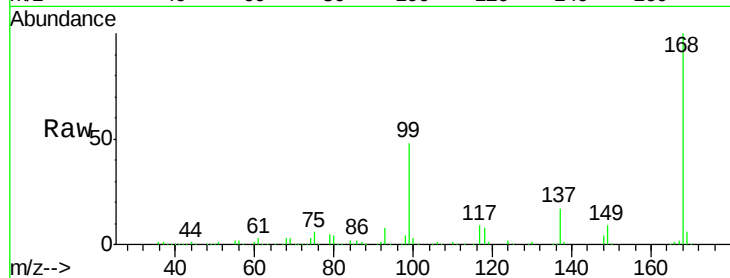
STORAGEBLANK-SOILREF-5

Tot Ion:168 Resp: 247342

Ion Ratio Lower Upper

168 100

99 47.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

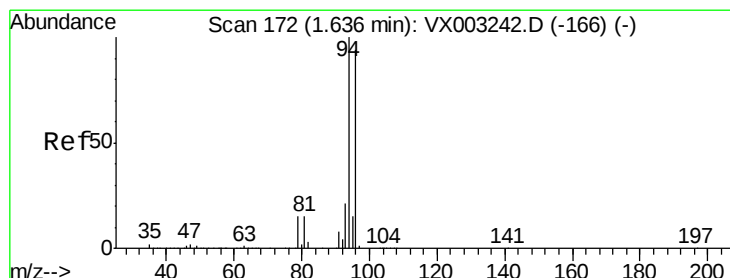
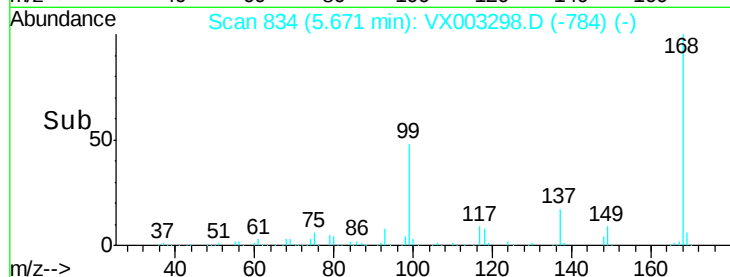
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003298.D

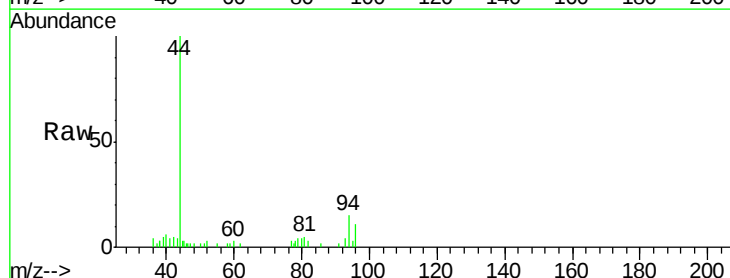
Acq: 10 Jul 2018 21:29

Tgt Ion: 94 Resp: 1278

Ion Ratio Lower Upper

94 100

96 75.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

500

400

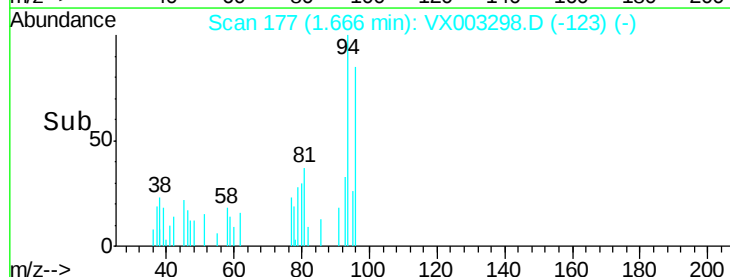
300

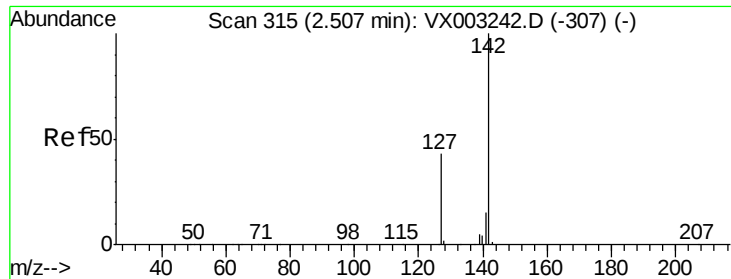
200

100

0

Time--> 1.55 1.60 1.65 1.70 1.75

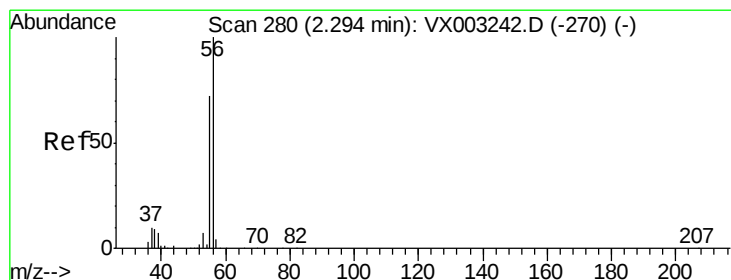
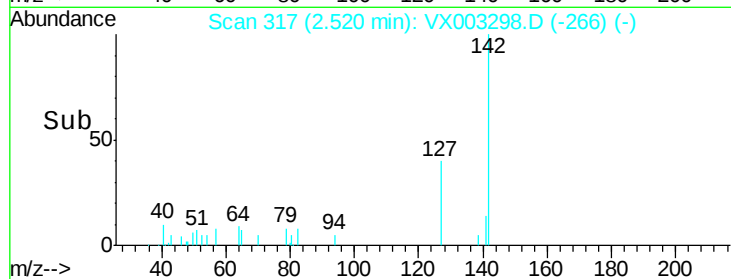
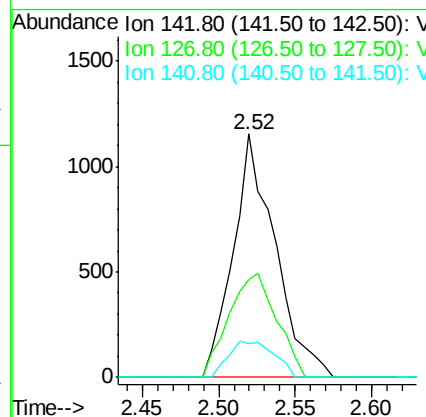
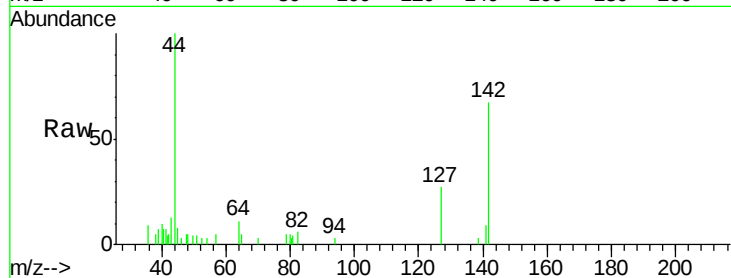




#10
Methvl Iodide
Concen: 6.23 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003298.D
Acq: 10 Jul 2018 21:29

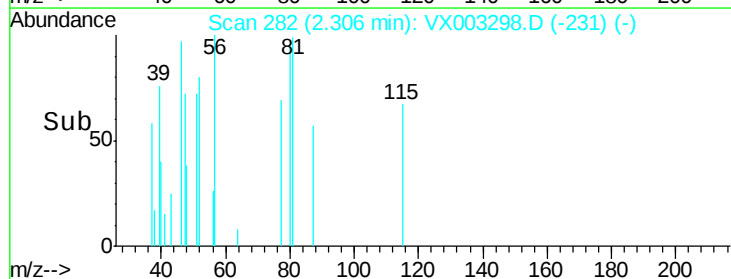
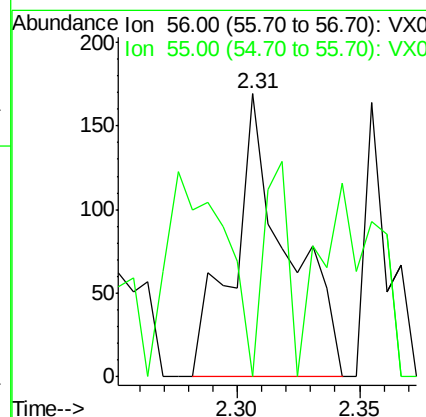
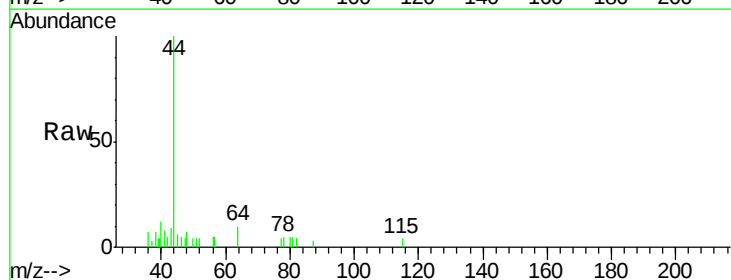
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

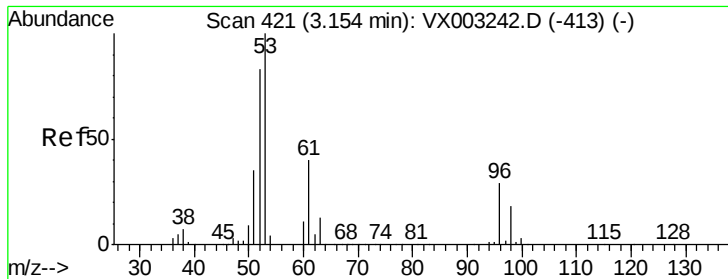
Tot Ion:142 Resp: 2207
Ion Ratio Lower Upper
142 100
127 48.3 36.6 55.0
141 15.9 11.3 16.9



#13
Acrolein
Concen: 0.45 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX003298.D
Acq: 10 Jul 2018 21:29

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 34.4 57.0 85.4#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003298.D

Acq: 10 Jul 2018 21:29

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

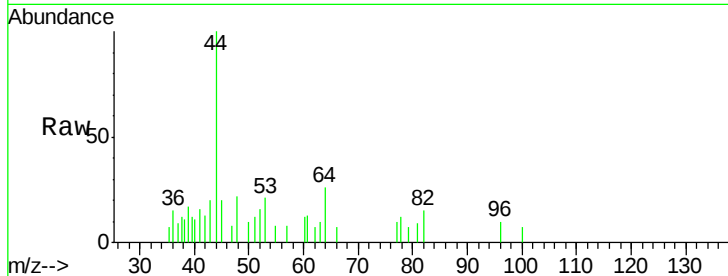
Tot Ion: 53 Resp: 387

Ion Ratio Lower Upper

53 100

52 101.3 66.7 100.1#

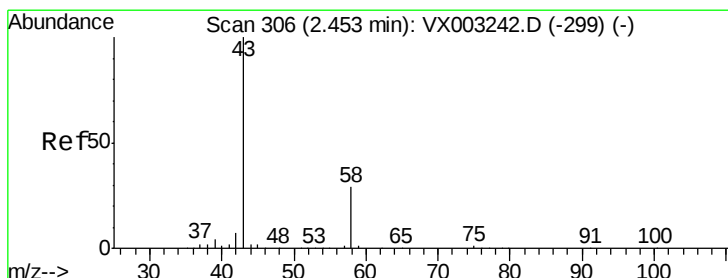
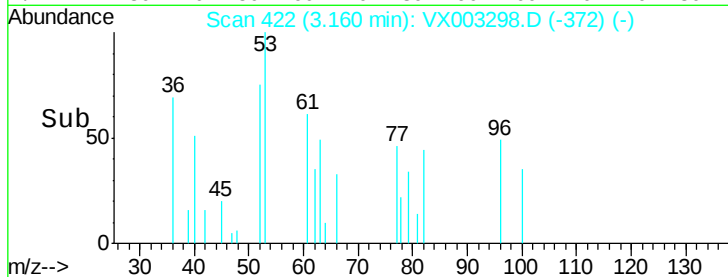
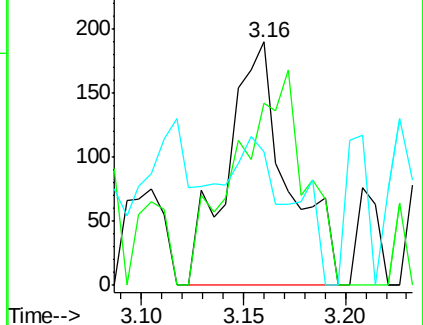
51 55.6 29.9 44.9#



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: 4.36 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003298.D

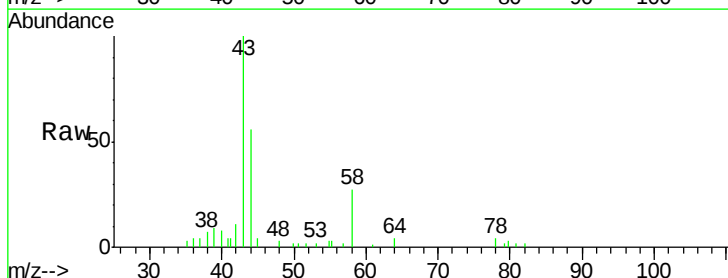
Acq: 10 Jul 2018 21:29

Tgt Ion: 43 Resp: 6024

Ion Ratio Lower Upper

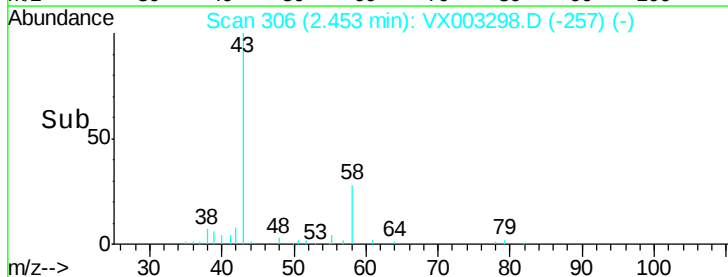
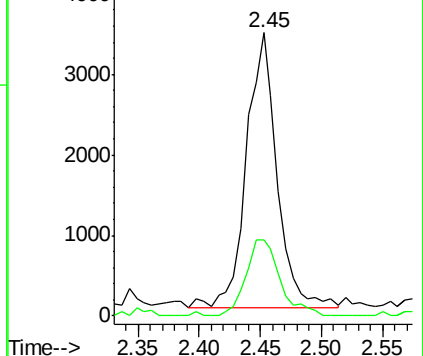
43 100

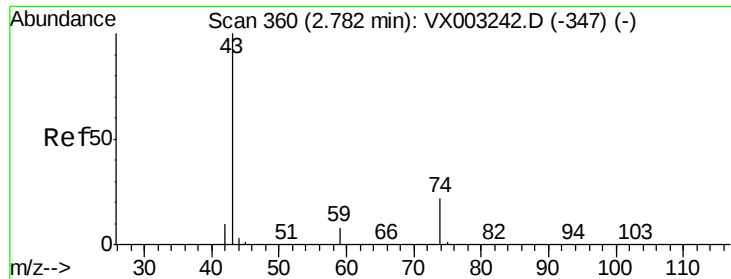
58 27.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

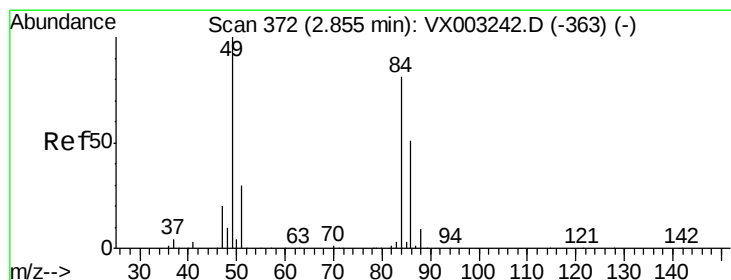
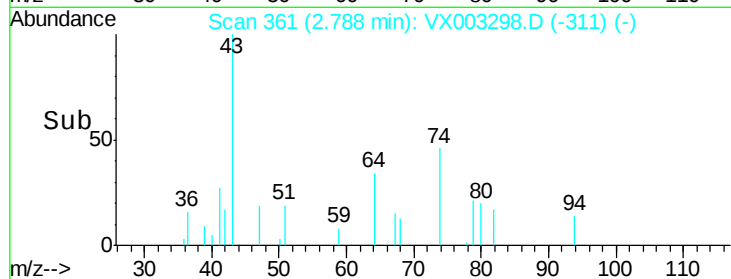
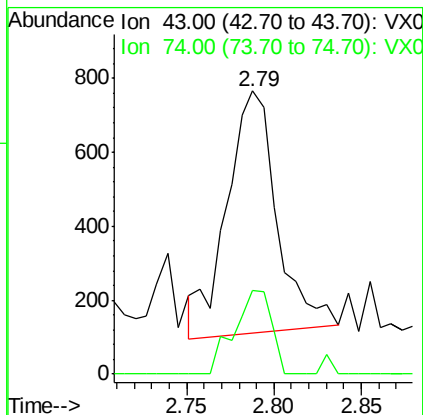
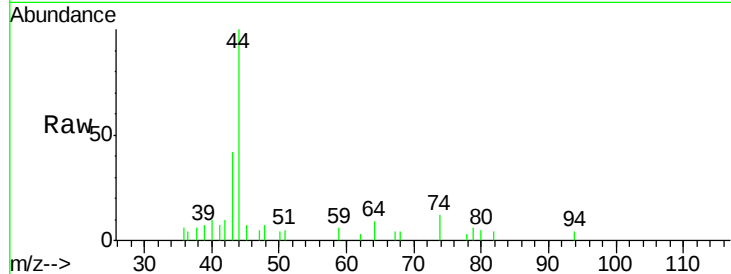




#18
Methyl Acetate
Concen: 0.33 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX003298.D
Acq: 10 Jul 2018 21:29

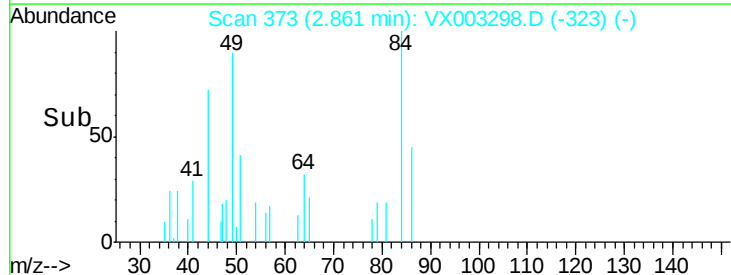
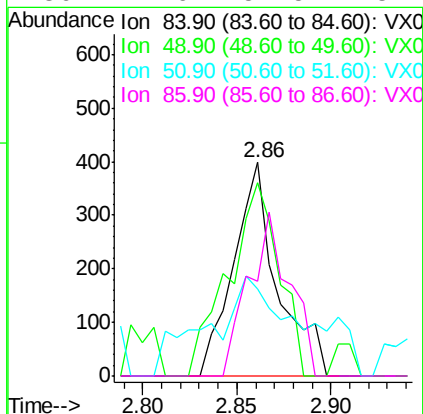
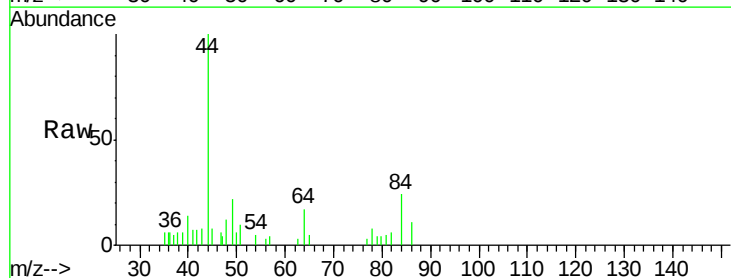
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

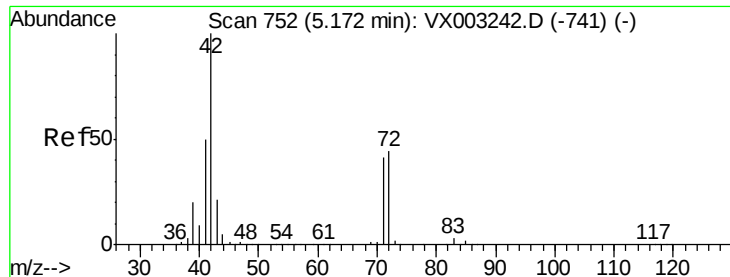
Tot Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
74 25.6 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003298.D
Acq: 10 Jul 2018 21:29

Tgt Ion: 84 Resp: 646
Ion Ratio Lower Upper
84 100
49 90.2 107.8 161.6#
51 19.3 32.8 49.2#
86 44.6 52.5 78.7#

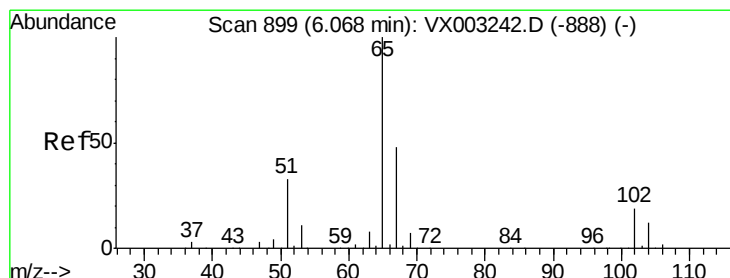
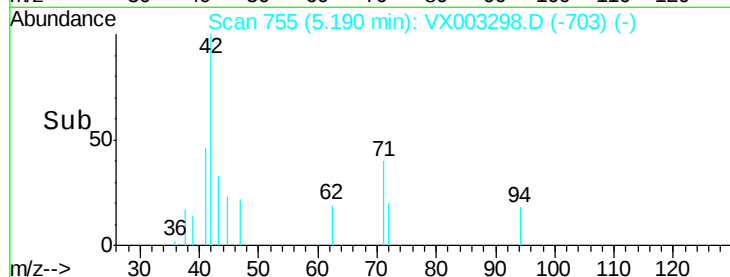
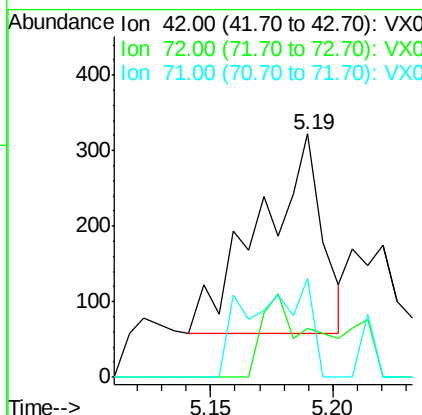
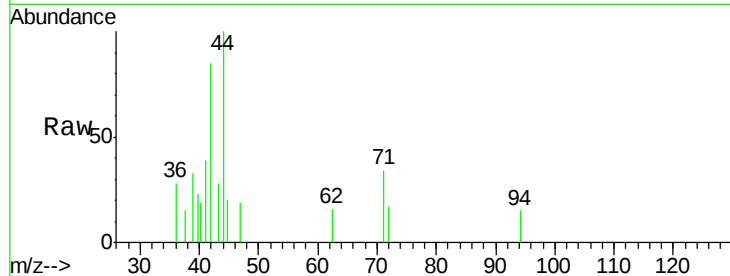




#29
Tetrahydrofuran
Concen: 0.29 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX003298.D
Acq: 10 Jul 2018 21:29

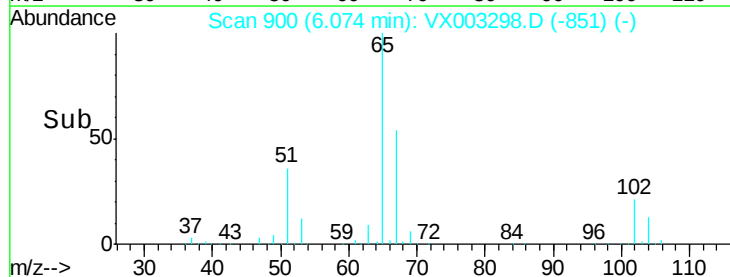
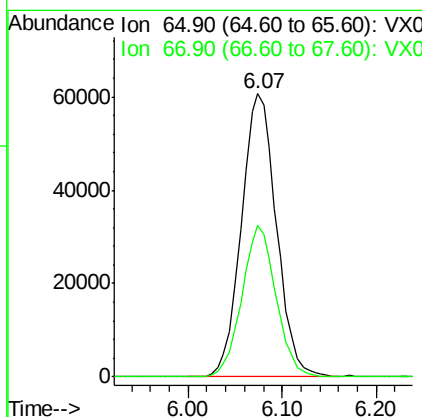
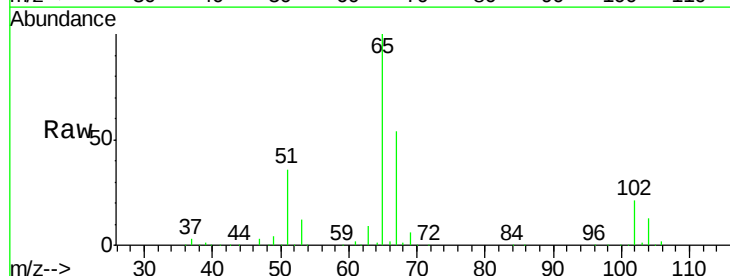
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

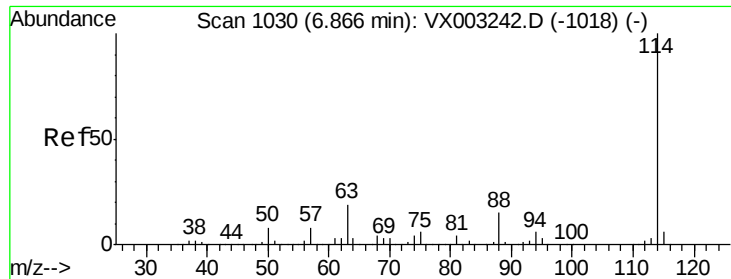
Tot Ion: 42 Resp: 467
Ion Ratio Lower Upper
42 100
72 33.0 32.0 48.0
71 46.5 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 40.44 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX003298.D
Acq: 10 Jul 2018 21:29

Tgt Ion: 65 Resp: 157424
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.6

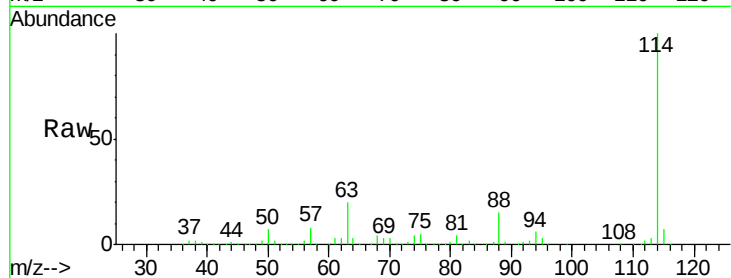




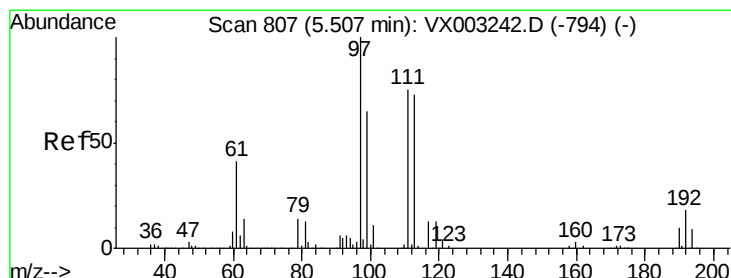
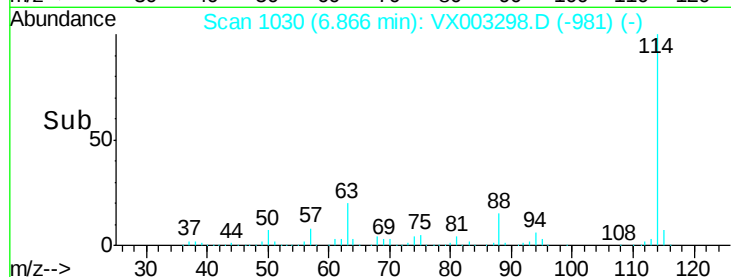
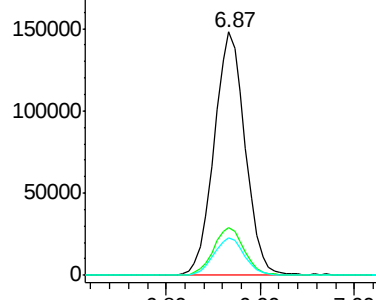
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003298.D
 Acq: 10 Jul 2018 21:29

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-5

Tot Ion:114 Resp: 341334
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.3 0.0 30.0

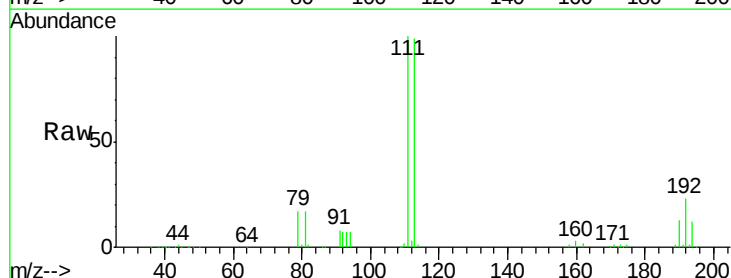


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

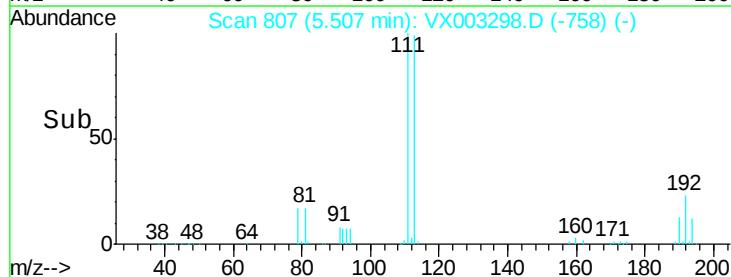
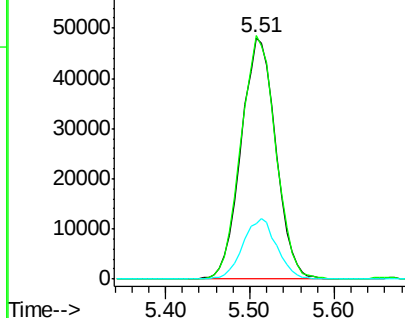


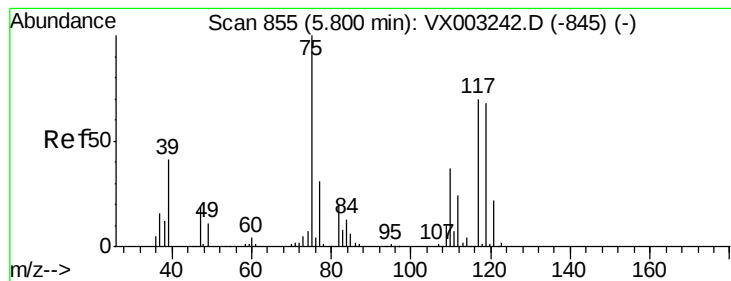
#35
 Dibromofluoromethane
 Concen: 36.67 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003298.D
 Acq: 10 Jul 2018 21:29

Tgt Ion:113 Resp: 134454
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.0
 192 24.6 19.1 28.7



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





#36

1,1-Dichloropropene

Concen: 3.24 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003298.D

Acq: 10 Jul 2018 21:29

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

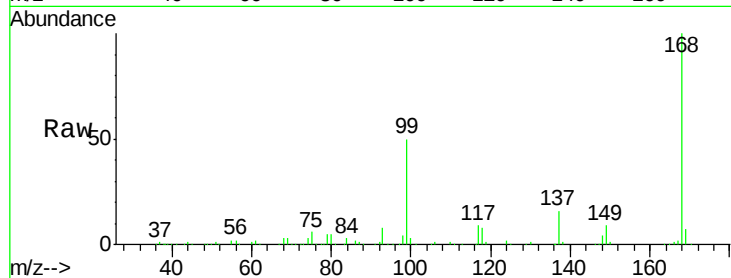
Tot Ion: 75 Resp: 15667

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.4#

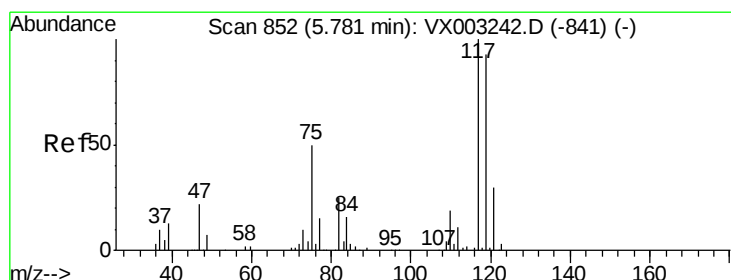
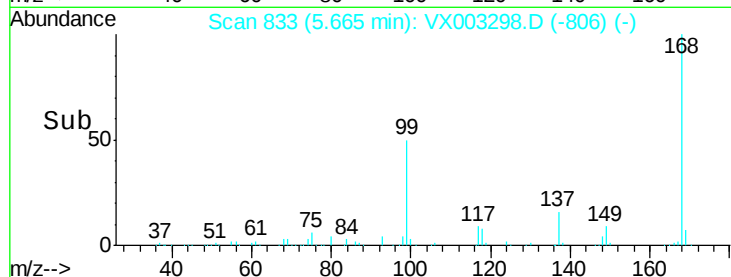
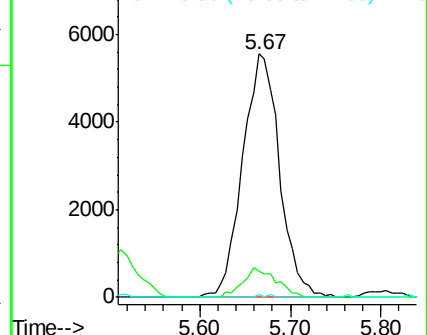
77 0.4 24.3 36.5#



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: 4.14 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003298.D

Acq: 10 Jul 2018 21:29

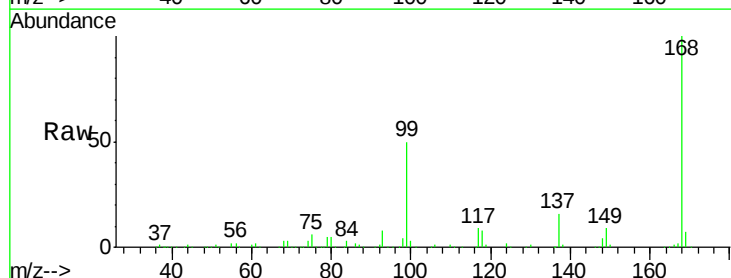
Tgt Ion: 117 Resp: 21901

Ion Ratio Lower Upper

117 100

119 7.9 77.4 116.0#

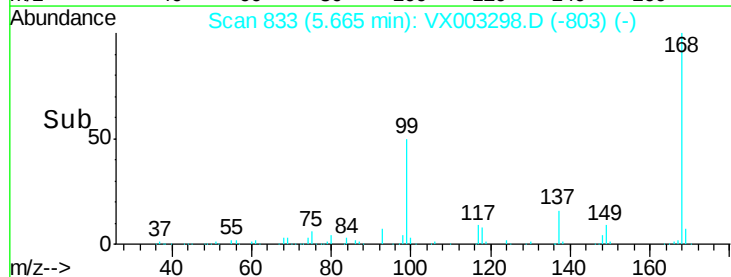
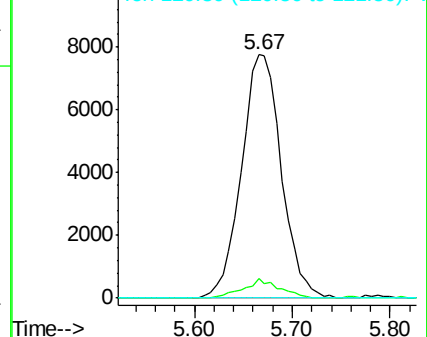
121 0.0 24.4 36.6#

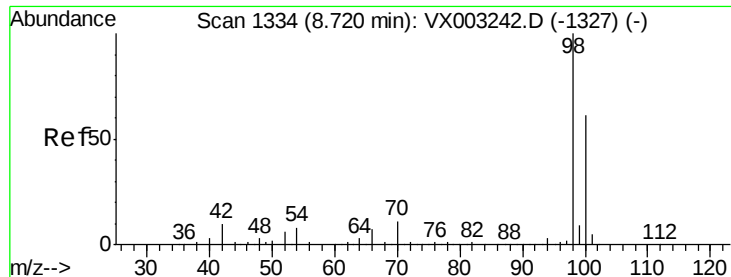


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 37.00 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003298.D

Acq: 10 Jul 2018 21:29

Instrument :

MSVOA_X

ClientSampleId :

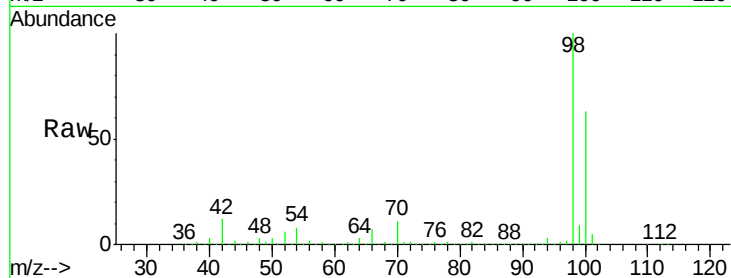
STORAGEBLANK-SOILREF-5

Tot Ion: 98 Resp: 481952

Ion Ratio Lower Upper

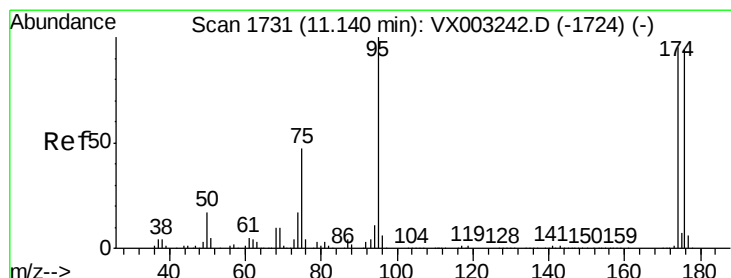
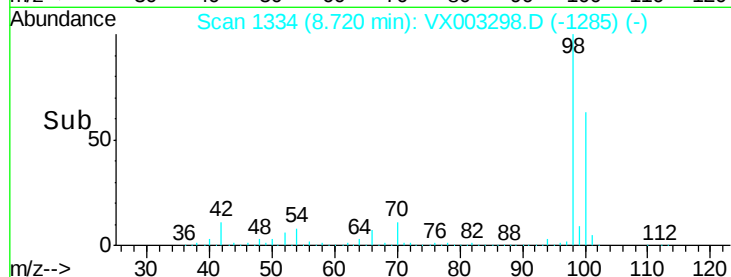
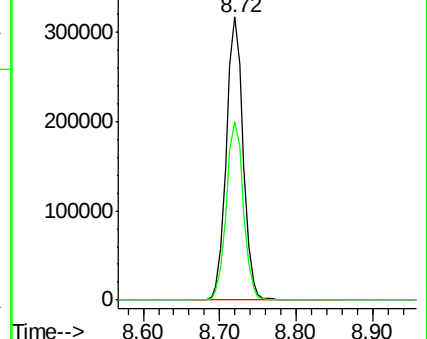
98 100

100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 34.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003298.D

Acq: 10 Jul 2018 21:29

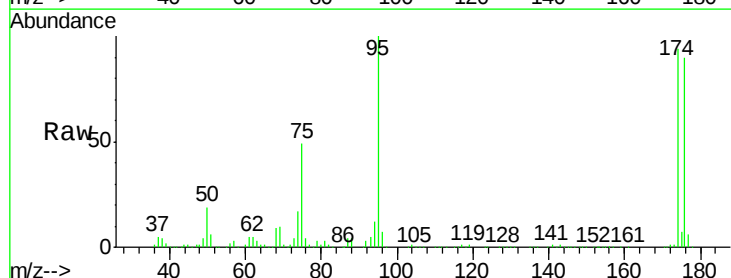
Tgt Ion: 95 Resp: 165206

Ion Ratio Lower Upper

95 100

174 100.0 0.0 187.4

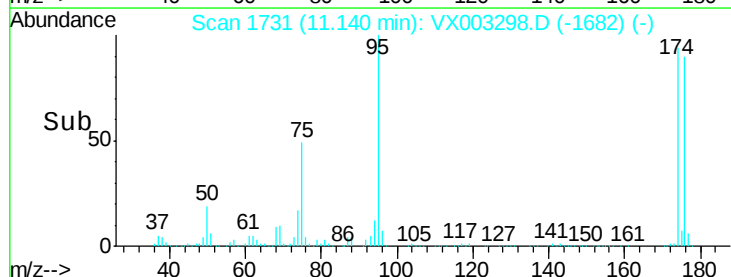
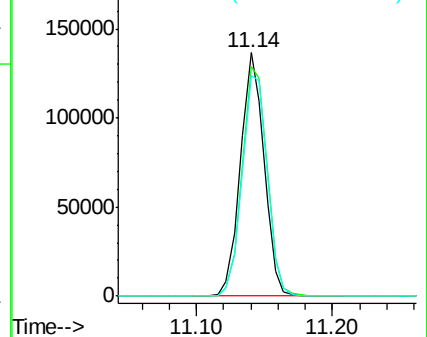
176 96.7 0.0 181.0

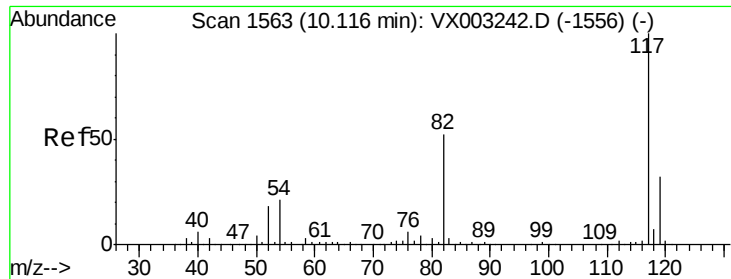


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

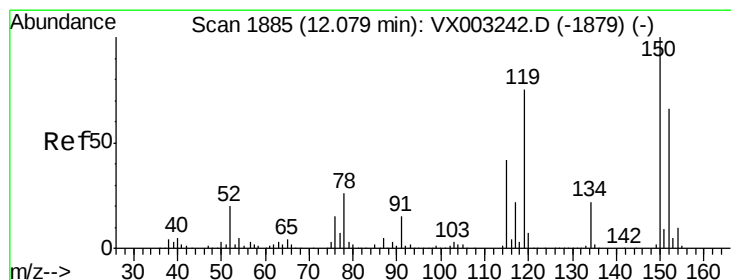
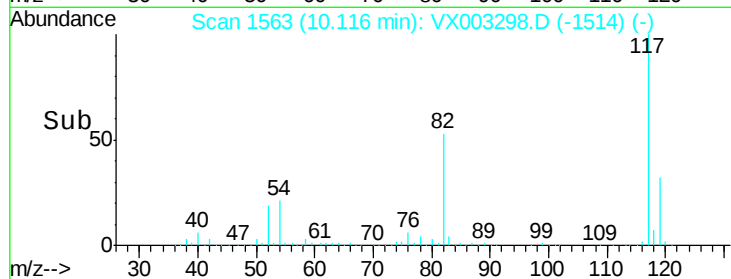
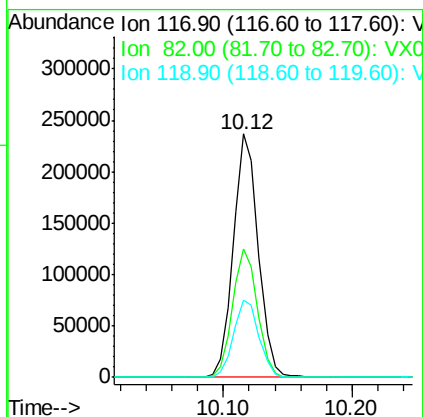
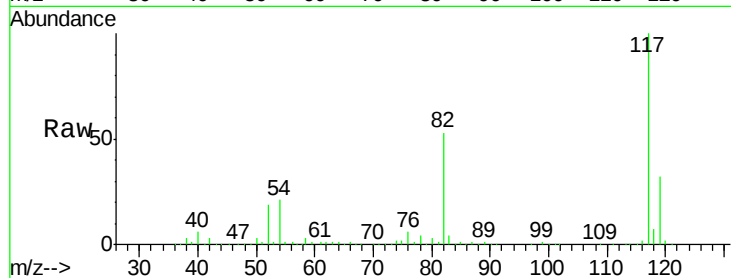




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003298.D
Acq: 10 Jul 2018 21:29

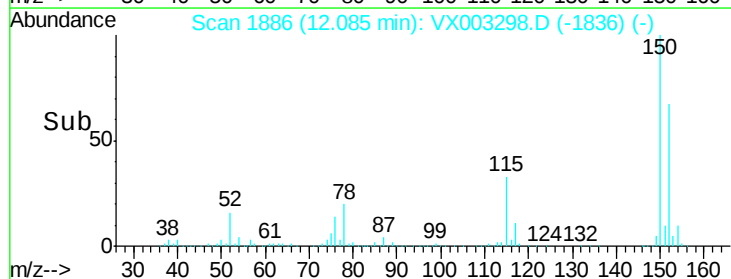
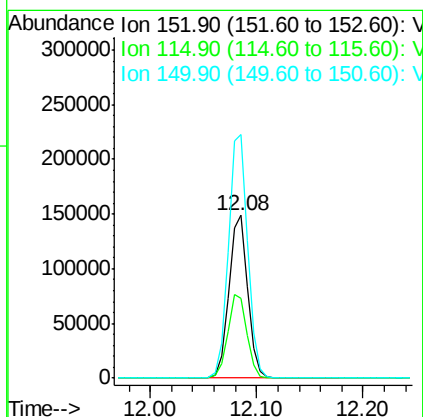
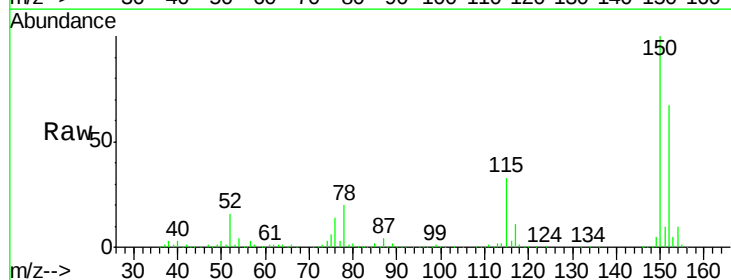
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

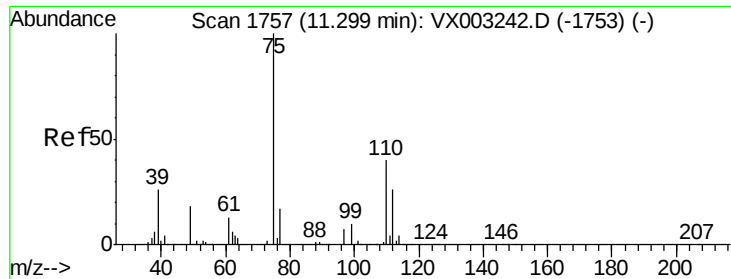
Tot Ion:117 Resp: 318877
Ion Ratio Lower Upper
117 100
82 52.8 45.0 67.4
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003298.D
Acq: 10 Jul 2018 21:29

Tgt Ion:152 Resp: 183507
Ion Ratio Lower Upper
152 100
115 52.5 40.1 120.2
150 153.7 0.0 347.2

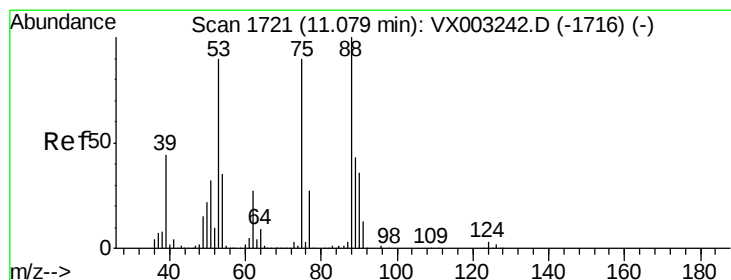
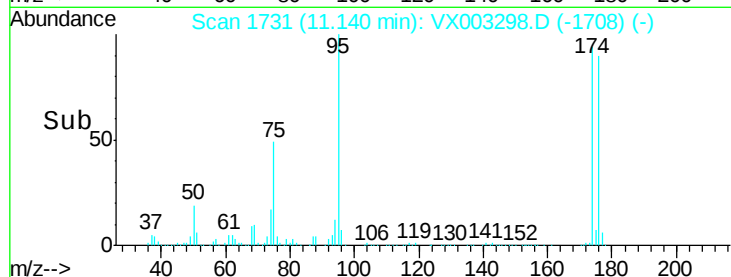
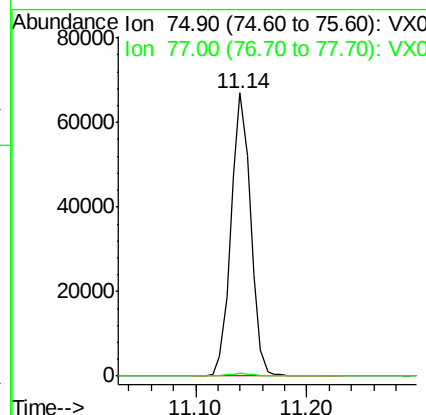
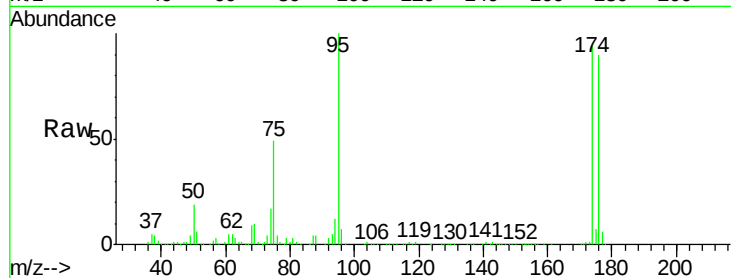




#76
 1,2,3-Trichloropropane
 Concen: 20.63 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003298.D
 Acq: 10 Jul 2018 21:29

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-5

Tot Ion: 75 Resp: 81797
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.41 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003298.D
 Acq: 10 Jul 2018 21:29

Tgt Ion: 75 Resp: 81797
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.8 130.2#
 89 0.0 38.2 57.2#

