

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005290.D
 Acq On : 12 Oct 2018 13:51
 Operator : JC/MD
 Sample : J5369-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE

Quant Time: Oct 12 17:55:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389571	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166907	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162266	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	5.50	113	120757	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
50) Toluene-d8	8.71	98	452669	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.14	95	149611	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	

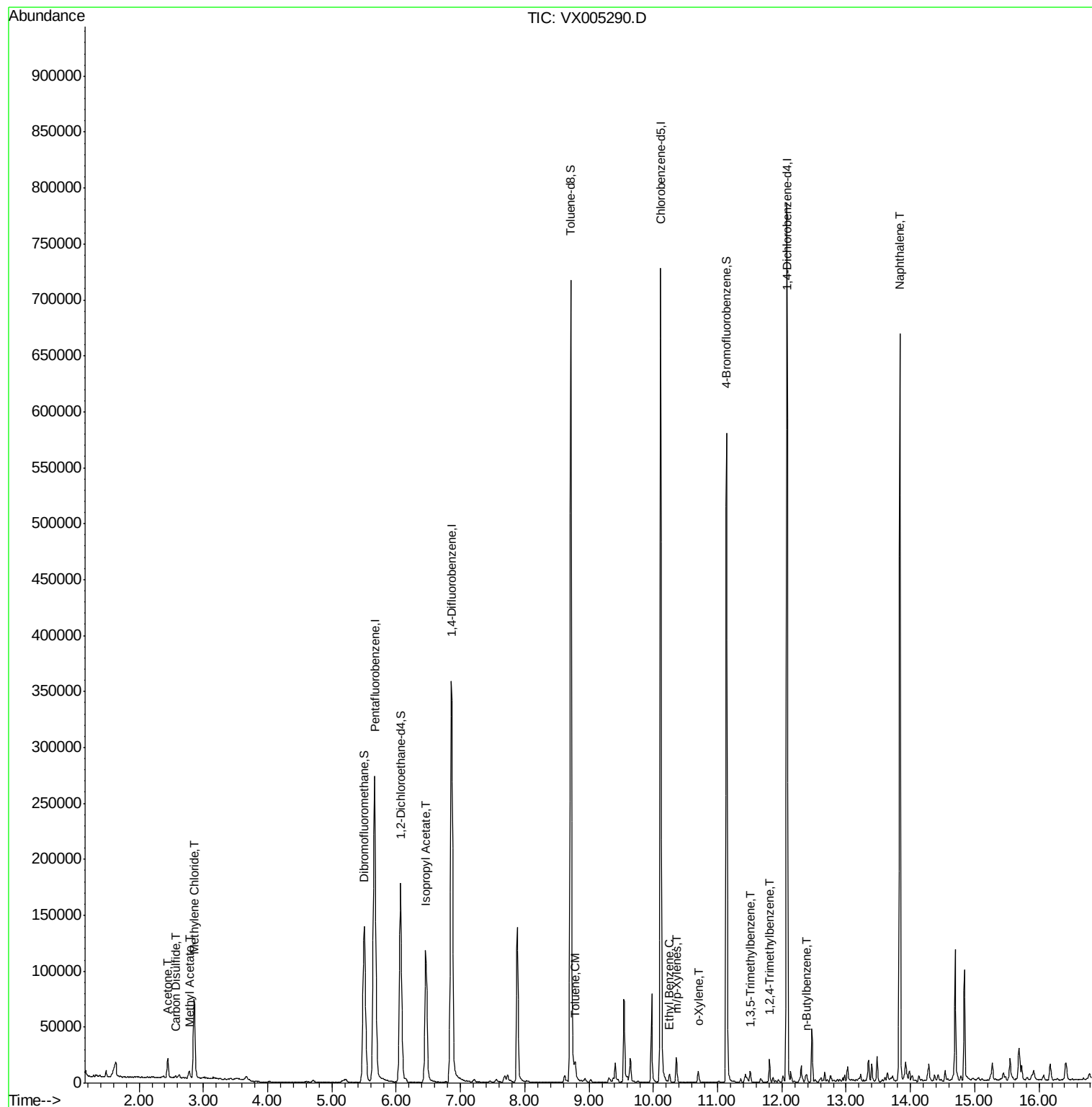
Target Compounds					Qvalue	
16) Acetone	2.45	43	17844	9.97	ug/l	100
17) Carbon Disulfide	2.57	76	2082	0.28	ug/l	99
18) Methyl Acetate	2.78	43	7765	1.53	ug/l	99
20) Methylene Chloride	2.85	84	31819	11.19	ug/l	93
43) Isopropyl Acetate	6.46	43	152640	23.62	ug/l	96
52) Toluene	8.78	92	3221	0.52	ug/l	99
67) Ethyl Benzene	10.25	91	4183	0.35	ug/l	95
68) m/p-Xylenes	10.36	106	5070	1.10	ug/l	94
69) o-Xylene	10.69	106	1843	0.41	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	3677	0.43	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	8947	1.02	ug/l	99
89) n-Butylbenzene	12.39	91	1881	0.23	ug/l #	67
95) Naphthalene	13.83	128	400801	34.82	ug/l	99

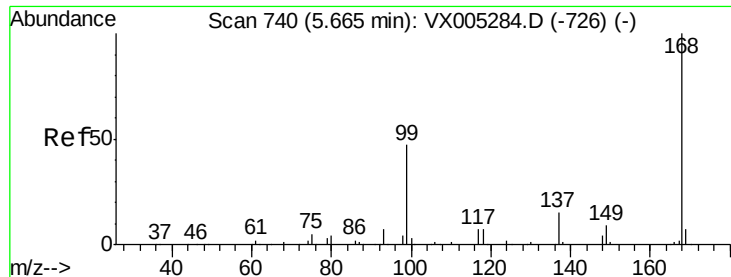
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

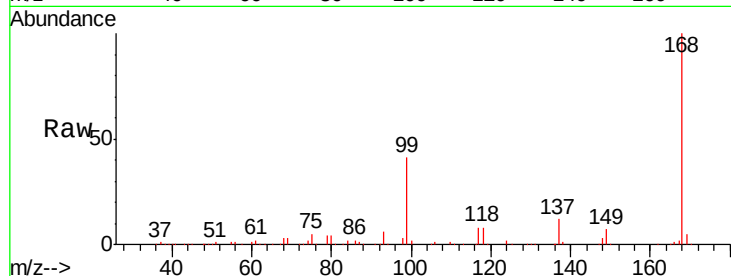
CONCRETE-PILE

Tgt Ion:168 Resp: 278805

Ion Ratio Lower Upper

168 100

99 40.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

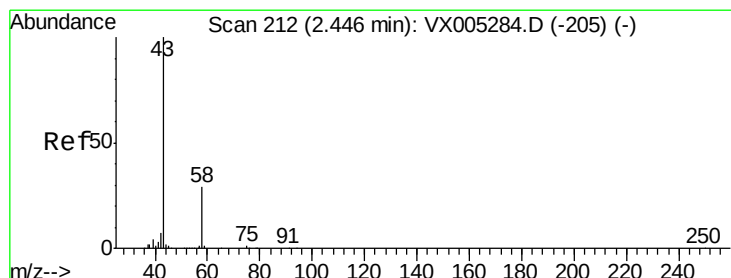
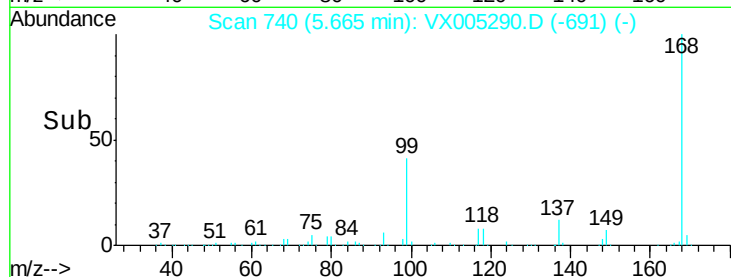
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 9.97 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005290.D

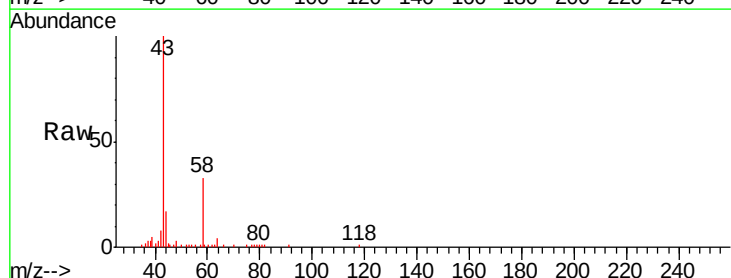
Acq: 12 Oct 2018 13:51

Tgt Ion: 43 Resp: 17844

Ion Ratio Lower Upper

43 100

58 33.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

12000

10000

8000

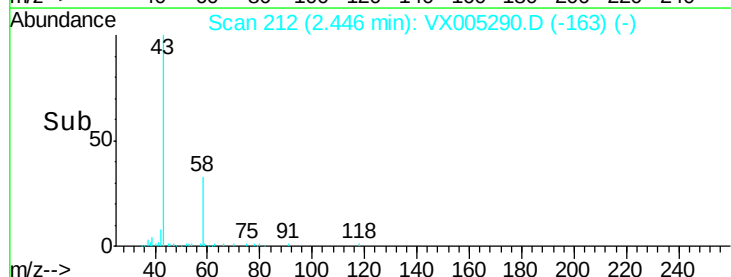
6000

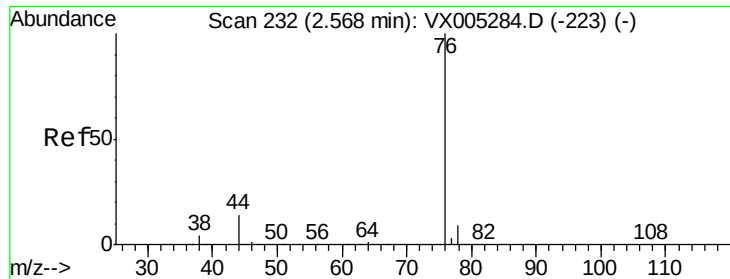
4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

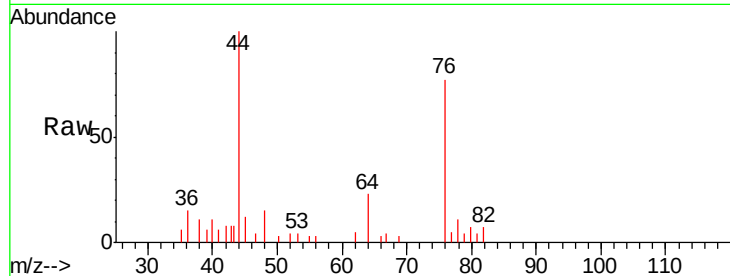
CONCRETE-PILE

Tgt Ion: 76 Resp: 2082

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1500

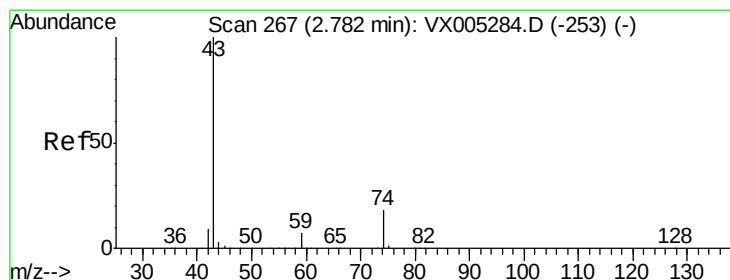
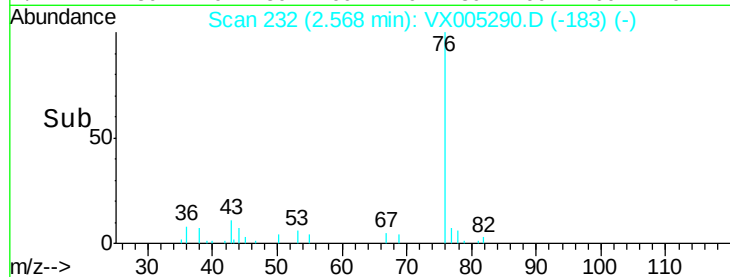
1000

500

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 1.53 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005290.D

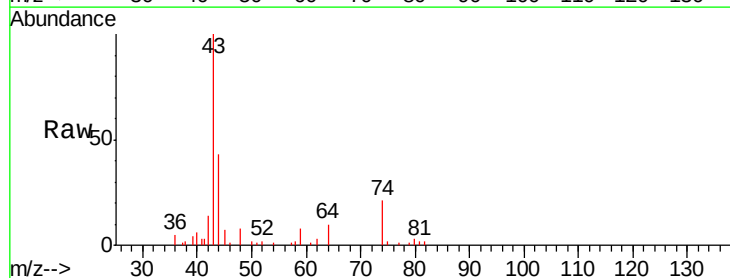
Acq: 12 Oct 2018 13:51

Tgt Ion: 43 Resp: 7765

Ion Ratio Lower Upper

43 100

74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

5000

4000

3000

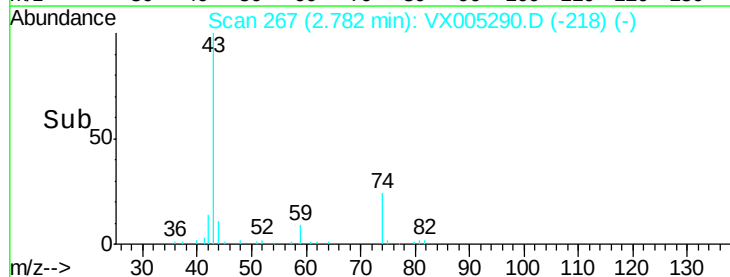
2000

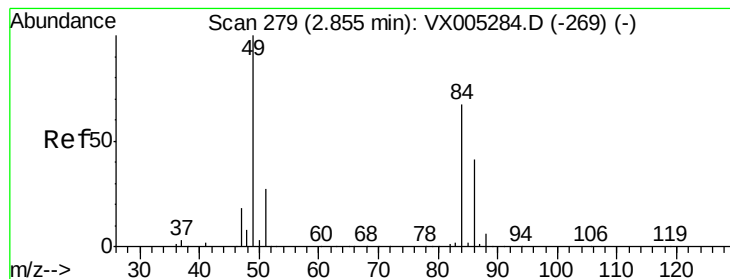
1000

0

Time-->

2.70 2.75 2.80 2.85





#20

Methylene Chloride

Concen: 11.19 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE

Tgt Ion: 84 Resp: 31819

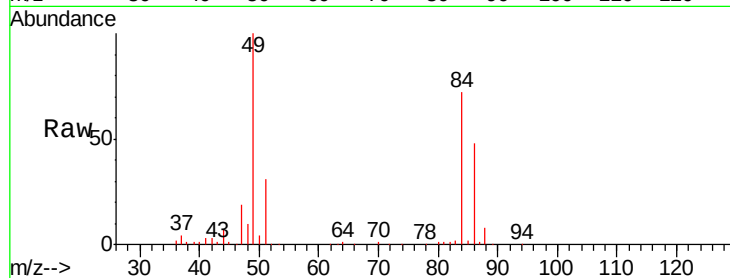
Ion Ratio Lower Upper

84 100

49 138.4 101.2 151.8

51 41.8 29.5 44.3

86 66.0 52.3 78.5

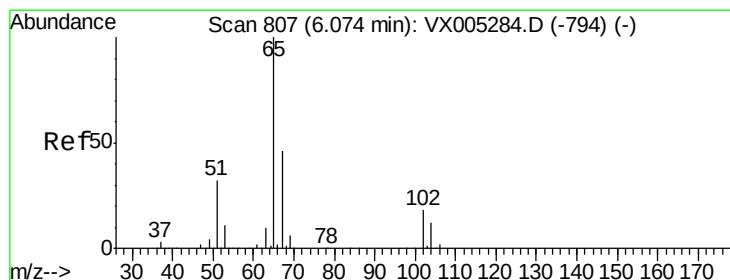
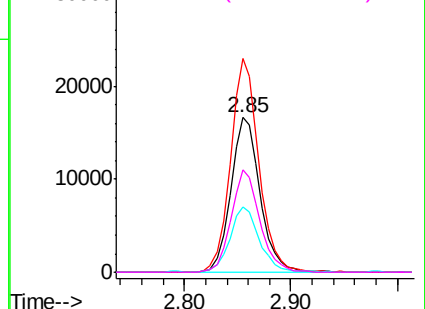
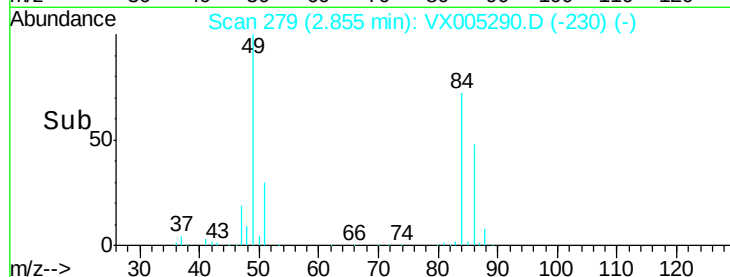


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#33

1,2-Dichloroethane-d4

Concen: 52.44 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005290.D

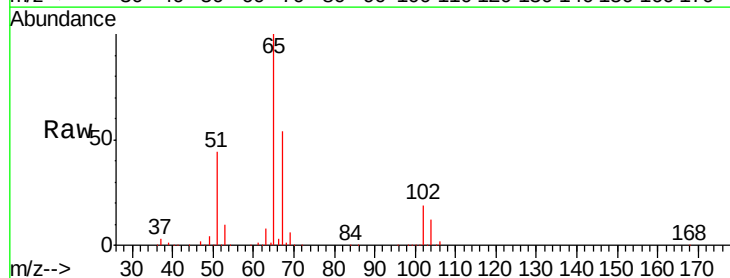
Acq: 12 Oct 2018 13:51

Tgt Ion: 65 Resp: 162266

Ion Ratio Lower Upper

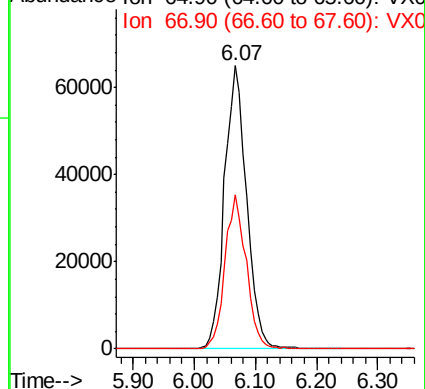
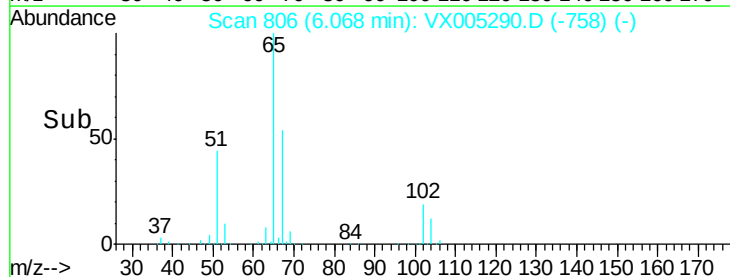
65 100

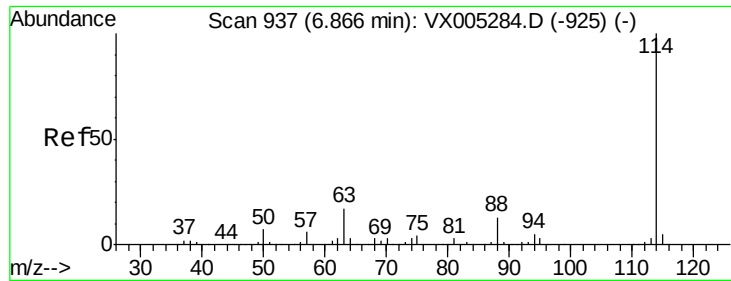
67 52.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

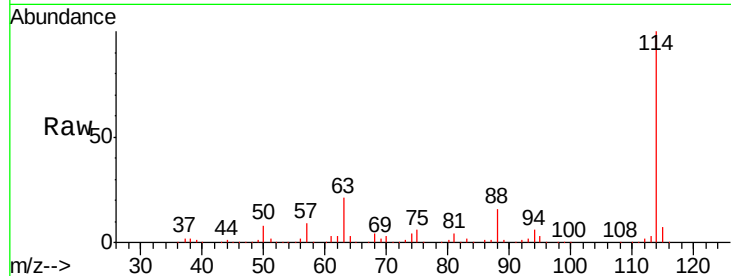




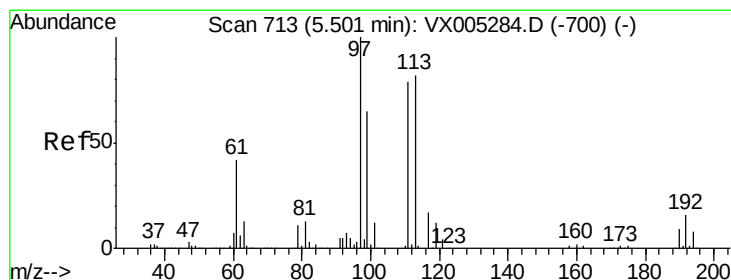
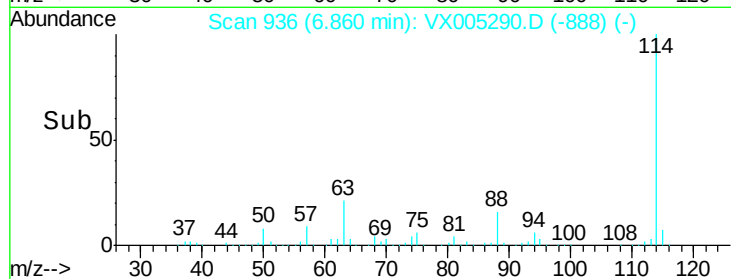
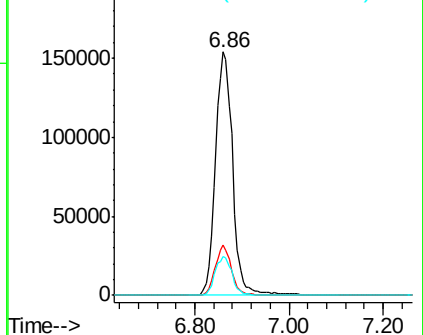
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE

Tgt Ion:114 Resp: 389571
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 15.8 0.0 30.4

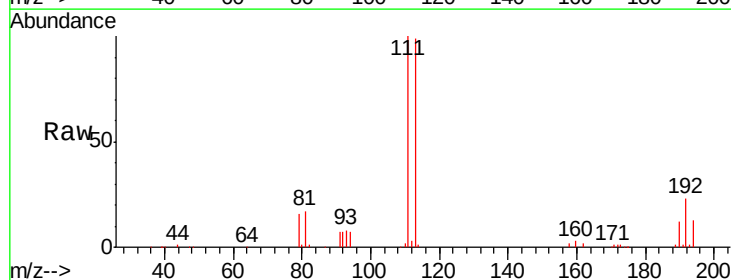


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

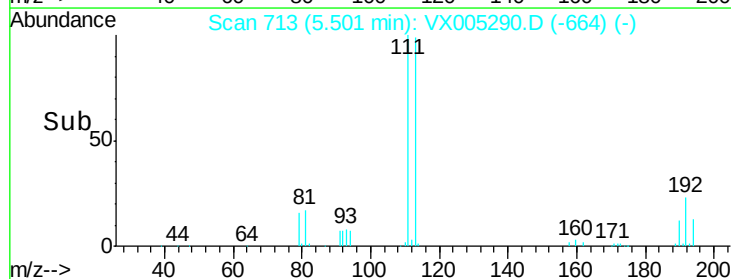
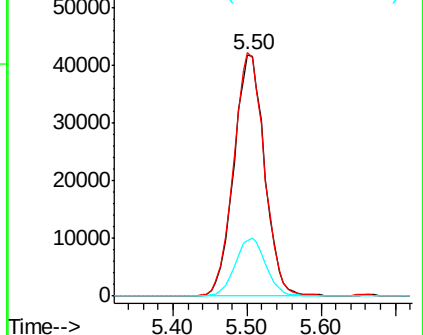


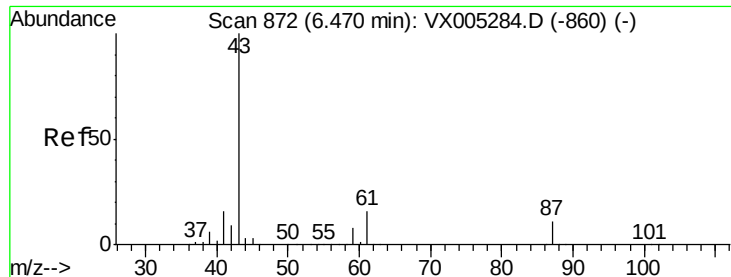
#35
 Dibromofluoromethane
 Concen: 46.80 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

Tgt Ion:113 Resp: 120757
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.4 123.6
 192 24.0 19.4 29.2



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





#43

Isopropyl Acetate

Concen: 23.62 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE

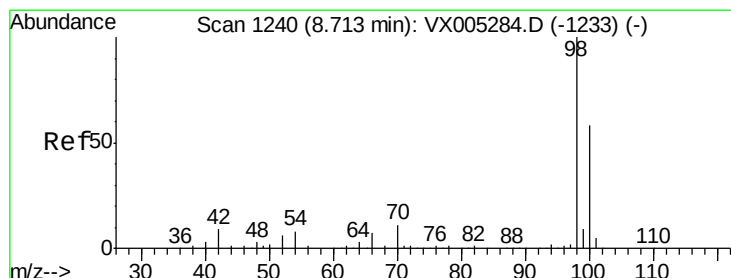
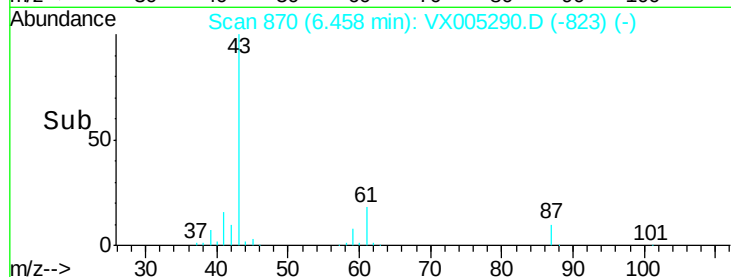
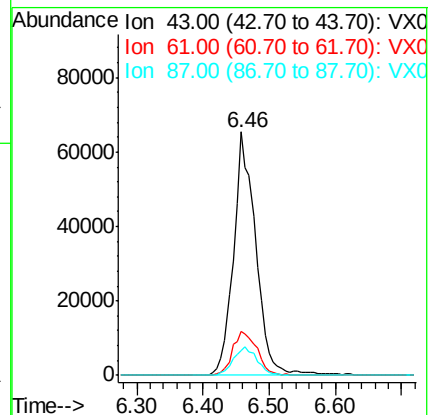
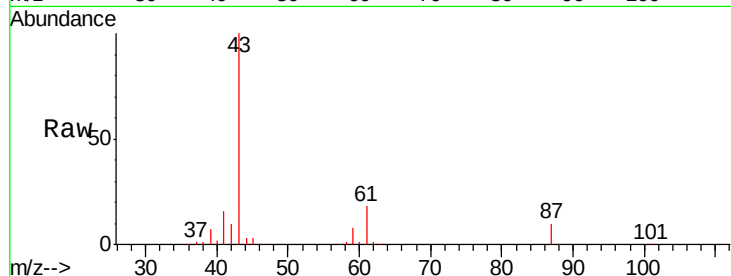
Tgt Ion: 43 Resp: 152640

Ion Ratio Lower Upper

43 100

61 19.7 17.0 25.4

87 12.6 11.4 17.2



#50

Toluene-d8

Concen: 51.10 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005290.D

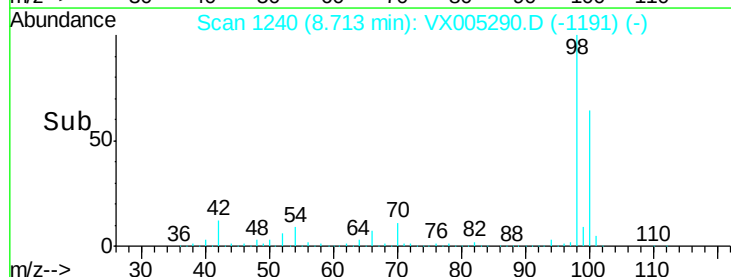
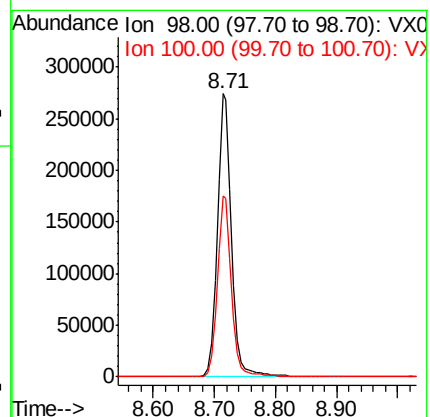
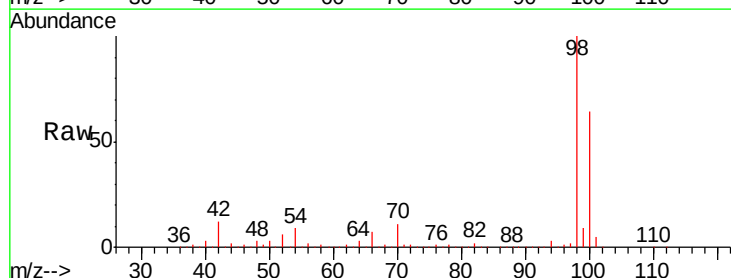
Acq: 12 Oct 2018 13:51

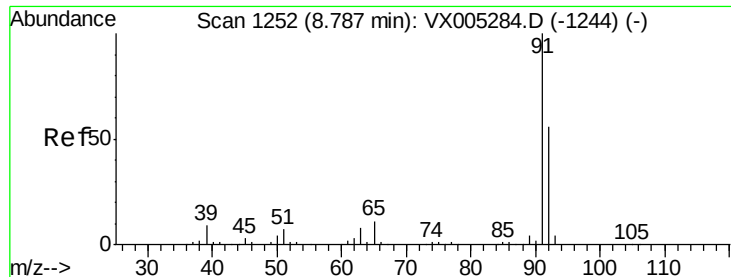
Tgt Ion: 98 Resp: 452669

Ion Ratio Lower Upper

98 100

100 64.0 52.9 79.3





#52

Toluene

Concen: 0.52 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

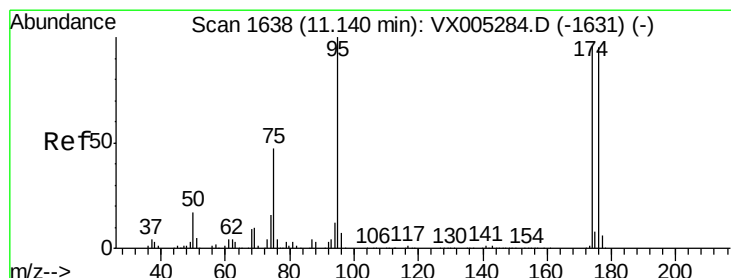
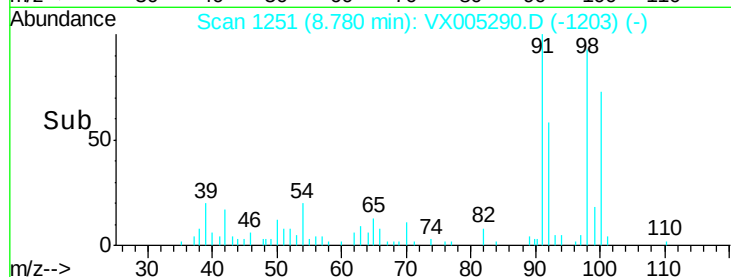
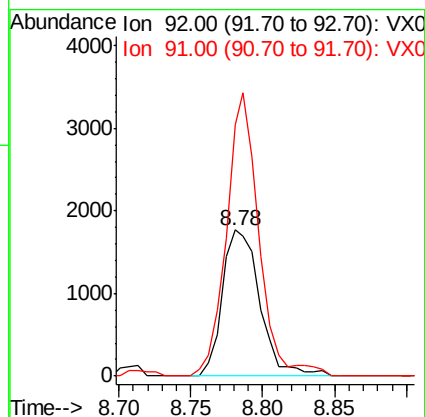
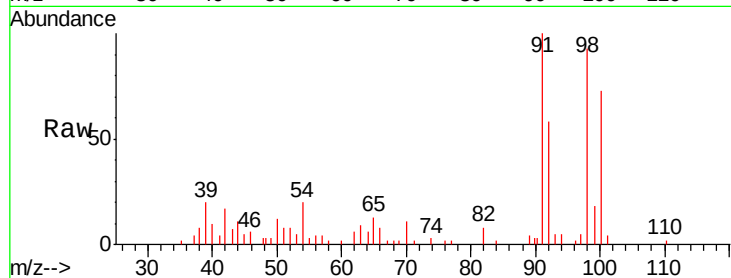
CONCRETE-PILE

Tgt Ion: 92 Resp: 3221

Ion Ratio Lower Upper

92 100

91 168.5 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 44.96 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

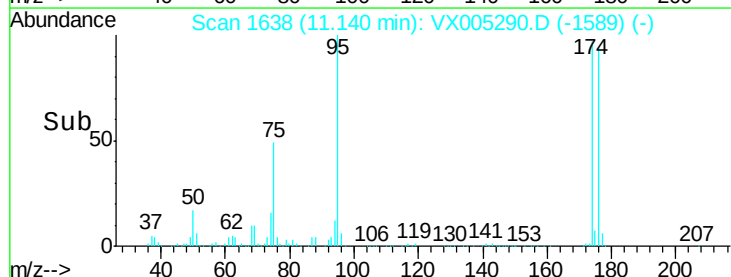
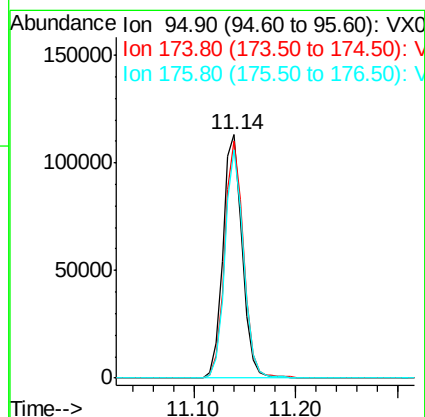
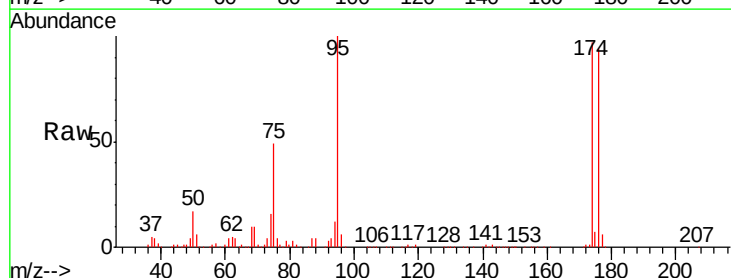
Tgt Ion: 95 Resp: 149611

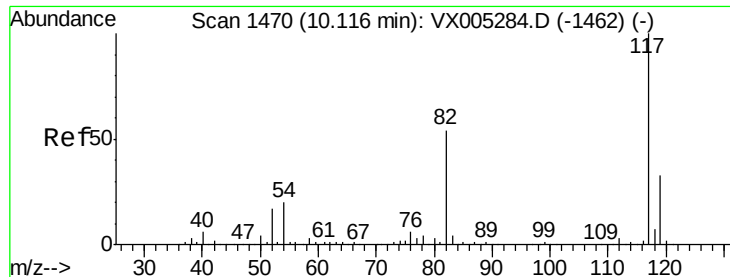
Ion Ratio Lower Upper

95 100

174 95.3 0.0 185.2

176 90.5 0.0 178.6

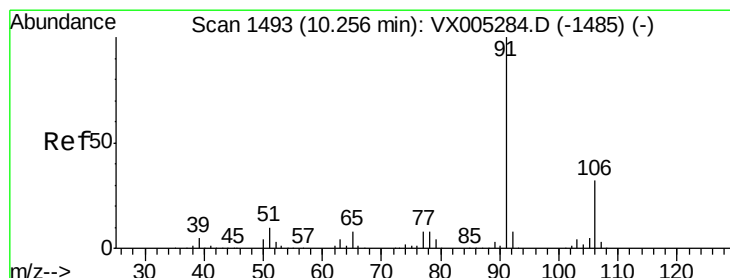
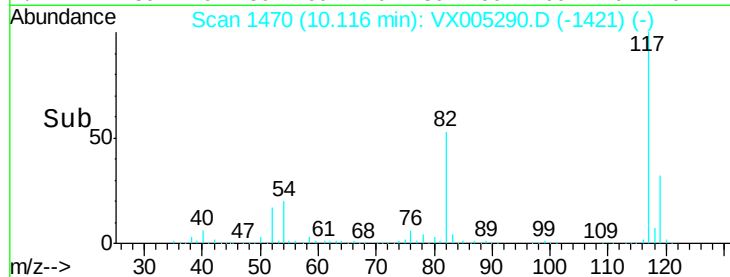
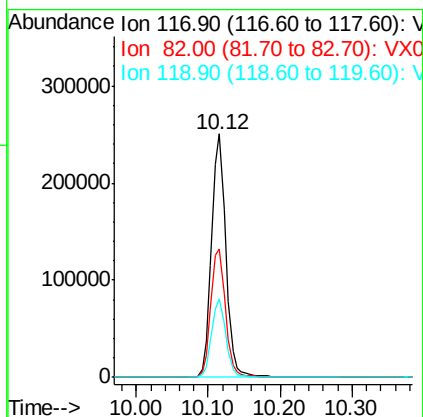
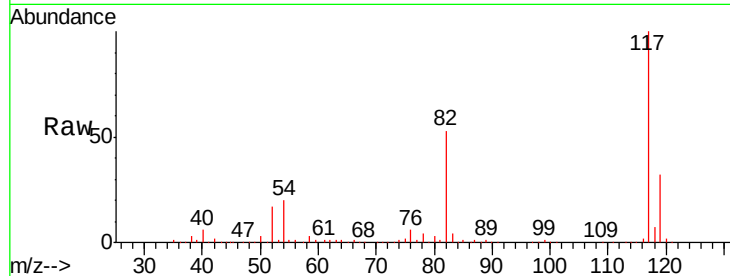




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

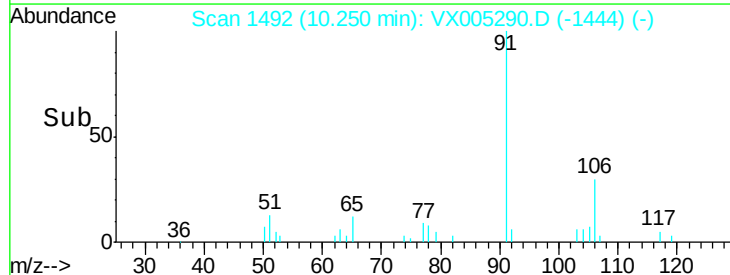
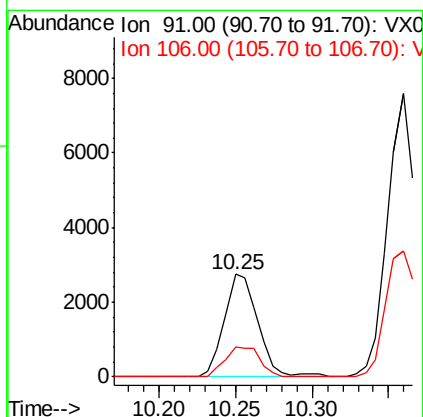
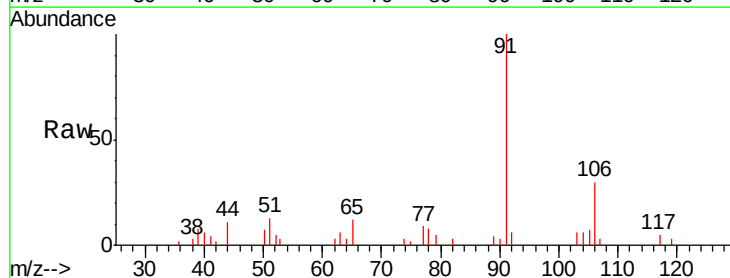
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CONCRETE-PILE

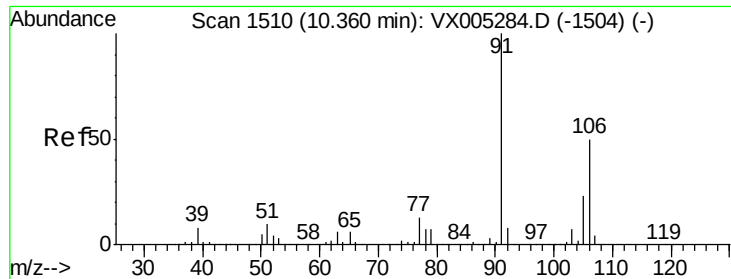
Tgt Ion: 117 Resp: 344886
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.6
119 32.2 29.3 43.9



#67
Ethyl Benzene
Concen: 0.35 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

Tgt Ion: 91 Resp: 4183
Ion Ratio Lower Upper
91 100
106 29.7 25.9 38.9

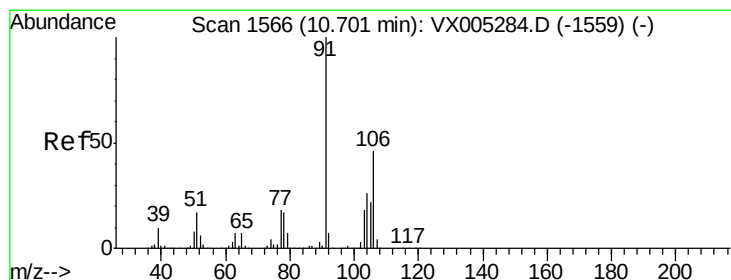
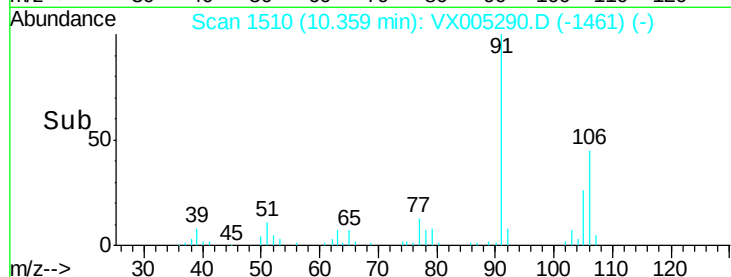
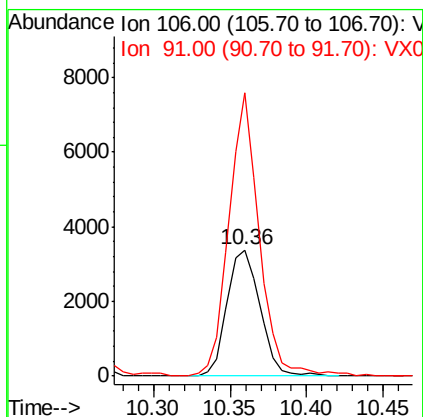
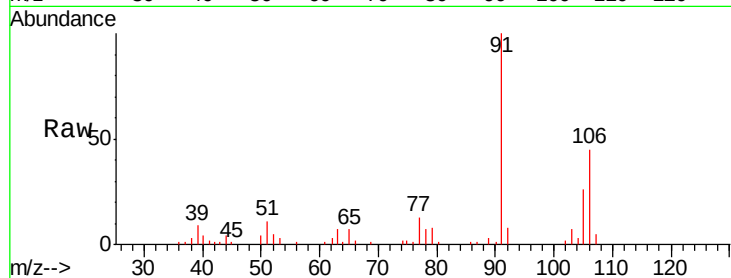




#68
m/p-Xylenes
Concen: 1.10 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

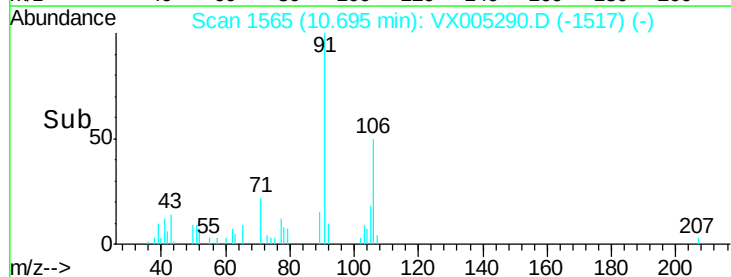
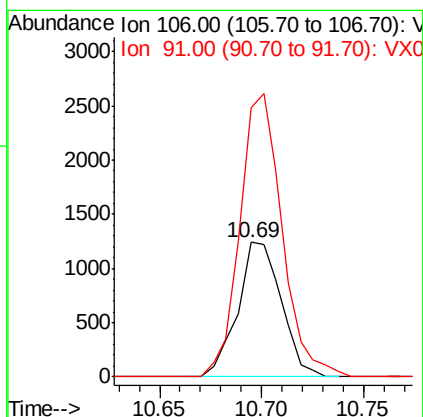
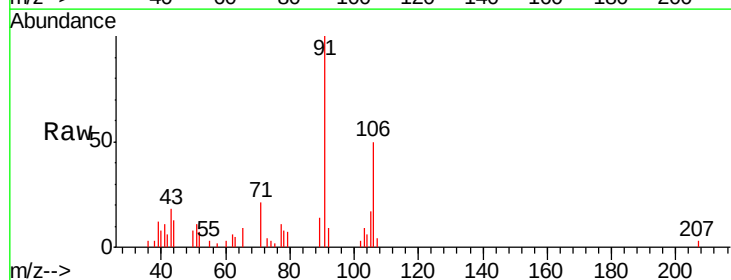
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

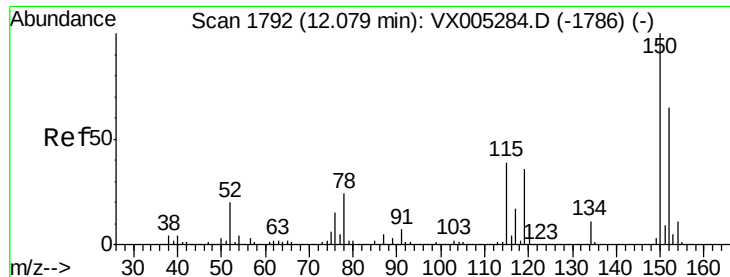
Tgt Ion:106 Resp: 5070
Ion Ratio Lower Upper
106 100
91 206.1 157.1 235.7



#69
o-Xylene
Concen: 0.41 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

Tgt Ion:106 Resp: 1843
Ion Ratio Lower Upper
106 100
91 203.8 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE

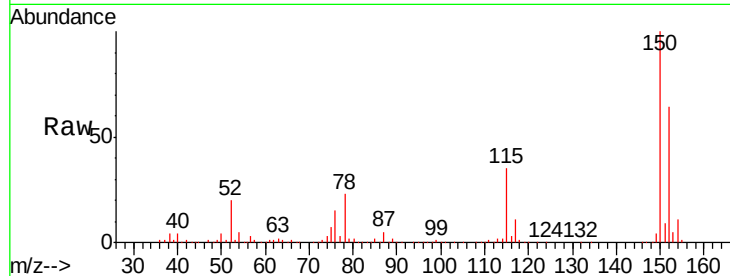
Tgt Ion:152 Resp: 166907

Ion Ratio Lower Upper

152 100

115 54.5 39.0 117.0

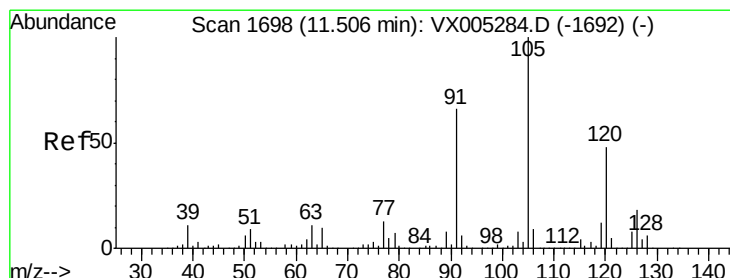
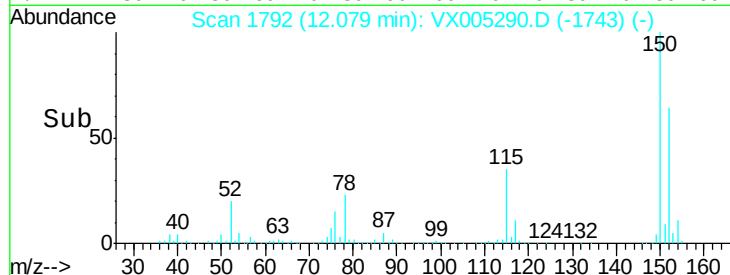
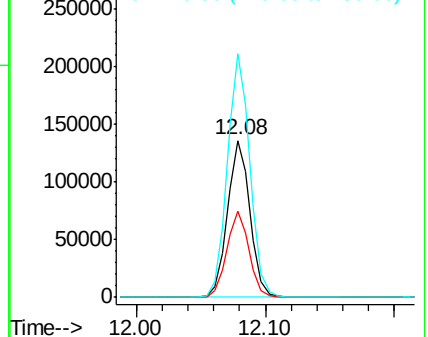
150 156.1 0.0 351.0



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



#80

1,3,5-Trimethylbenzene

Concen: 0.43 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005290.D

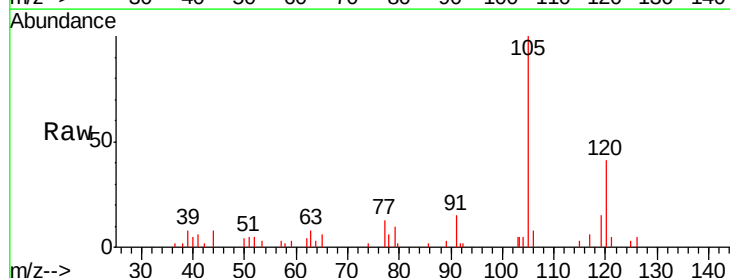
Acq: 12 Oct 2018 13:51

Tgt Ion:105 Resp: 3677

Ion Ratio Lower Upper

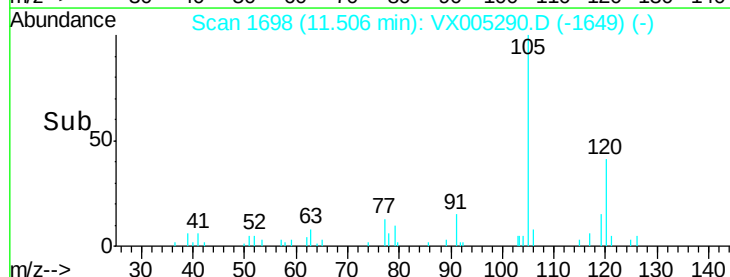
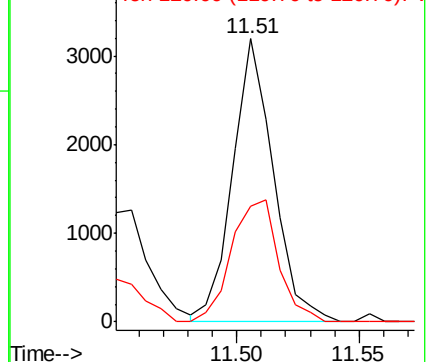
105 100

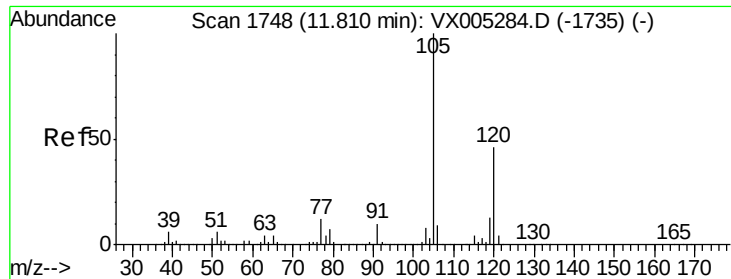
120 50.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

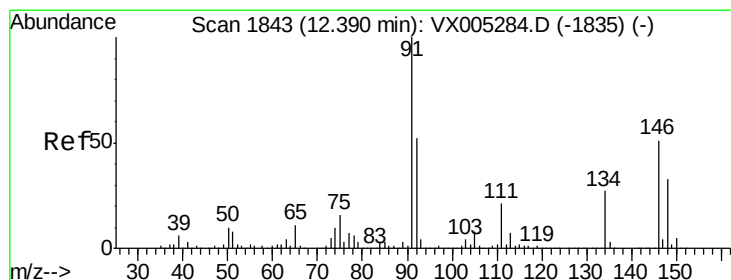
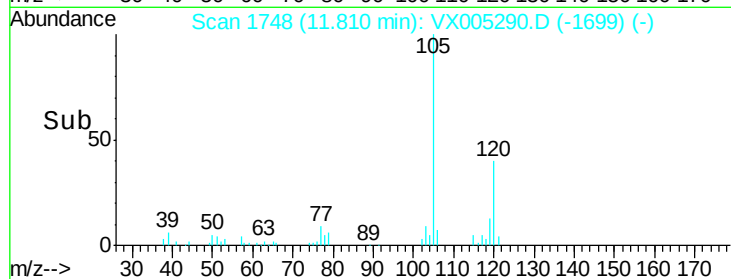
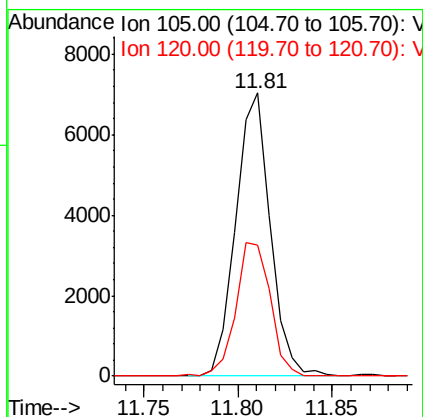
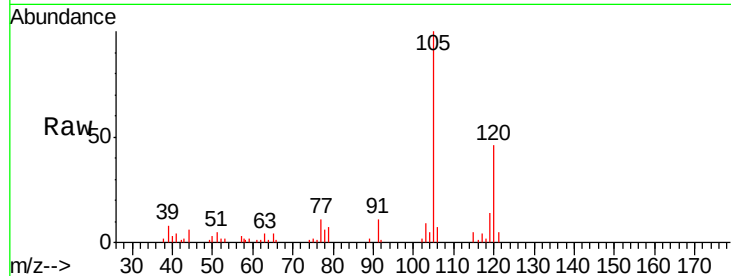




#84
 1,2,4-Trimethylbenzene
 Concen: 1.02 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

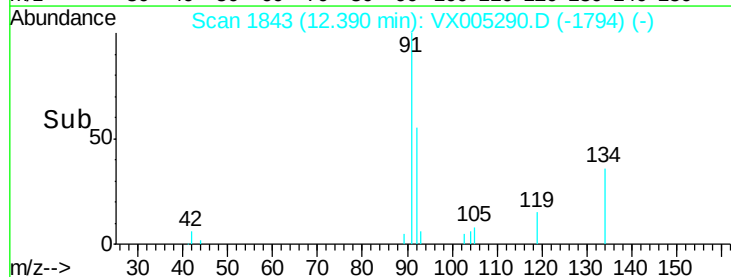
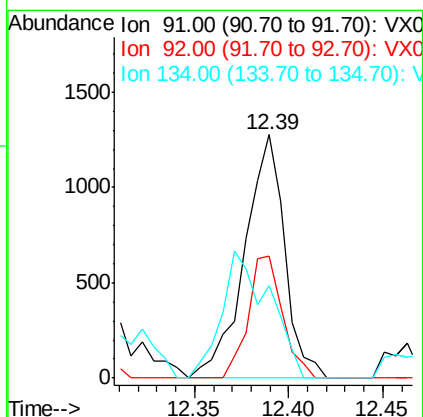
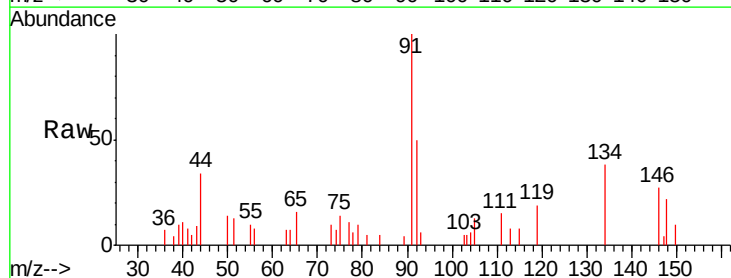
Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE

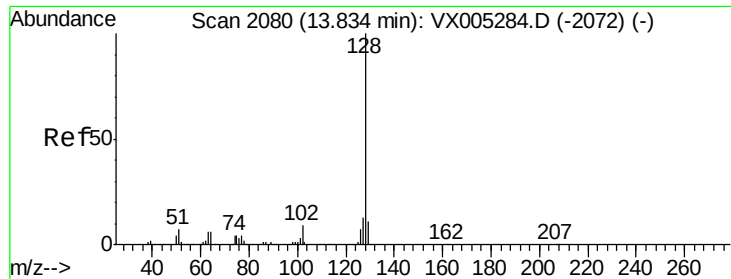
Tgt Ion: 105 Resp: 8947
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.2 69.6



#89
 n-Butylbenzene
 Concen: 0.23 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

Tgt Ion: 91 Resp: 1881
 Ion Ratio Lower Upper
 91 100
 92 43.0 27.3 81.9
 134 61.9 13.6 40.7#





#95
Naphthalene
Concen: 34.82 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.9	8.6	12.8

