

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 17:06:13 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
3) Chloromethane	1.32	50	903	0.29	ug/l	93
5) Bromomethane	1.64	94	1126	1.20	ug/l	100
6) Chloroethane	1.71	64	444	0.55	ug/l #	44
10) Methyl Iodide	2.52	142	506	2.67	ug/l	91
11) Tert butyl alcohol	3.08	59	334	0.38	ug/l #	72
13) Acrolein	2.29	56	244	Below	Cal	89
15) Acrylonitrile	3.16	53	495	0.25	ug/l #	62
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
25) 2-Butanone	4.70	43	3338	1.28	ug/l	98
29) Tetrahydrofuran	5.17	42	1690	1.01	ug/l #	82
30) Chloroform	5.21	83	2882	0.60	ug/l	86
36) 1,1-Dichloropropene	5.66	75	17571	4.66	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24237	6.39	ug/l #	15
43) Isopropyl Acetate	6.46	43	152640	23.62	ug/l	96
44) Trichloroethene	7.22	130	960	Below	Cal	55
47) Bromodichloromethane	7.90	83	896	0.26	ug/l #	83
48) Methyl methacrylate	7.69	41	6461	1.93	ug/l #	22
49) 1,4-Dioxane	7.89	88	23	0.30	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	3099	0.69	ug/l #	34
52) Toluene	8.78	92	3221	0.52	ug/l	99
59) 2-Hexanone	9.54	43	9078	2.52	ug/l #	53
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
76) 1,2,3-Trichloropropane	11.14	75	73897	22.83	ug/l #	37
79) 2-Chlorotoluene	11.43	91	1723	0.25	ug/l	79
80) 1,3,5-Trimethylbenzene	11.51	105	3677	0.43	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	73897	69.35	ug/l #	10
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
92) 1,2-Dibromo-3-Chloropropan	13.01	75	214	0.23	ug/l #	1

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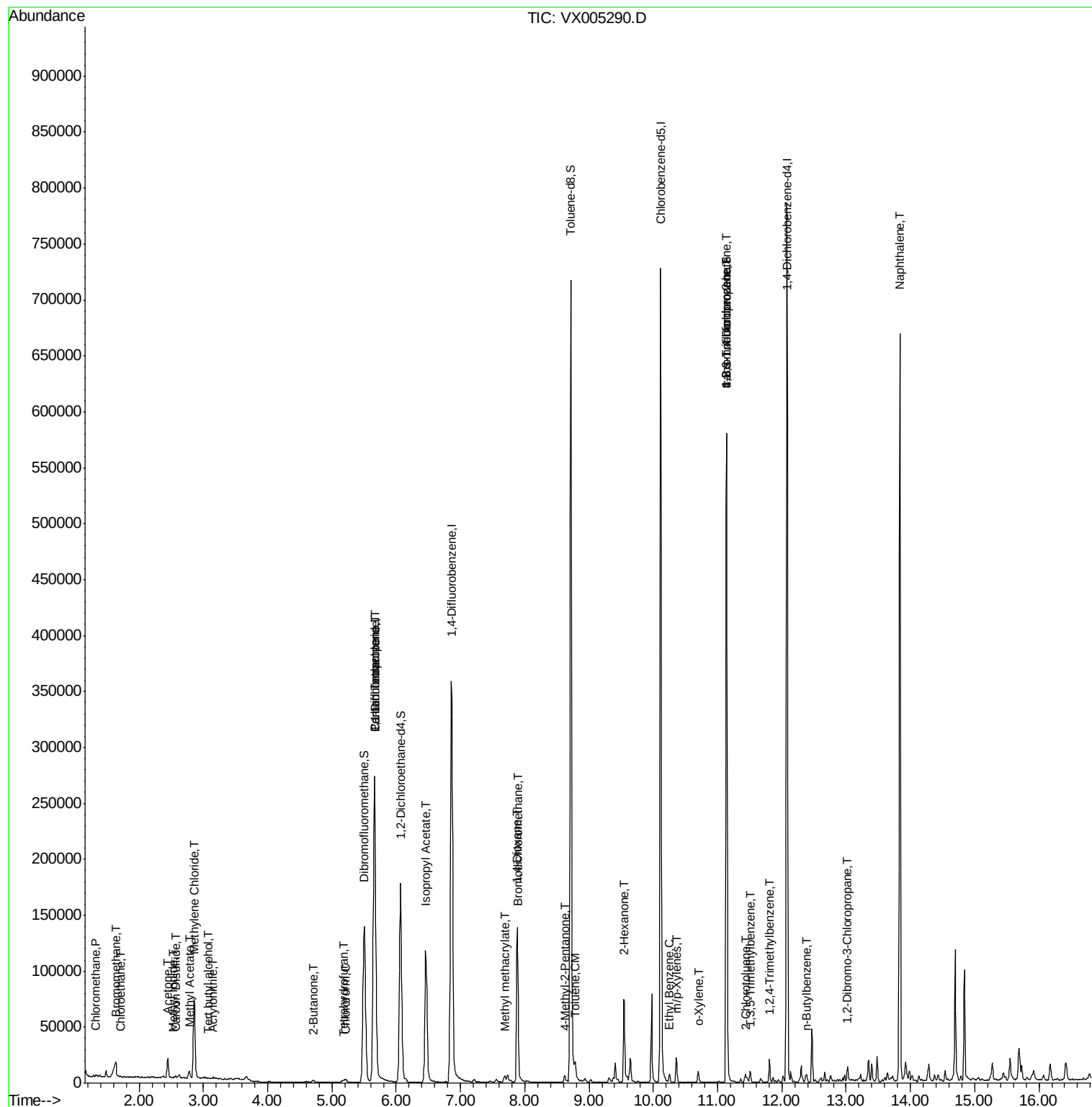
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.83	128	400801	34.82	ug/l	99

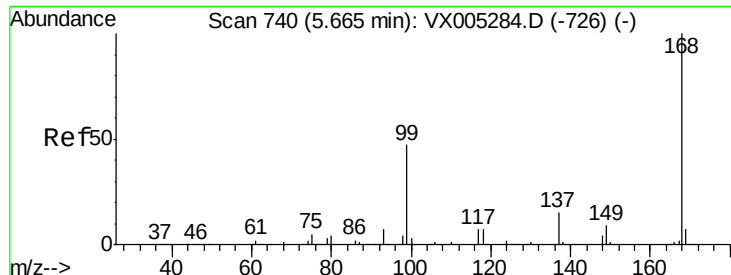
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

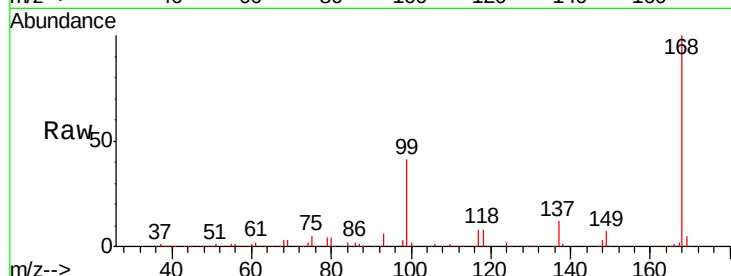
CONCRETE-PILE

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

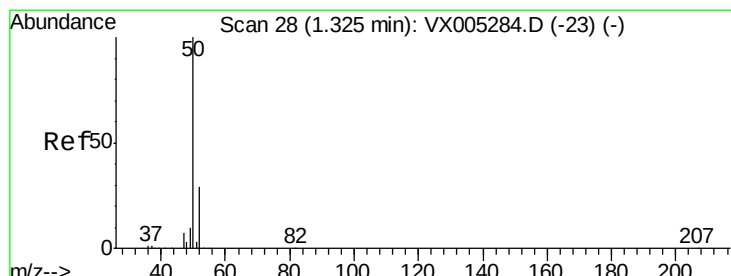
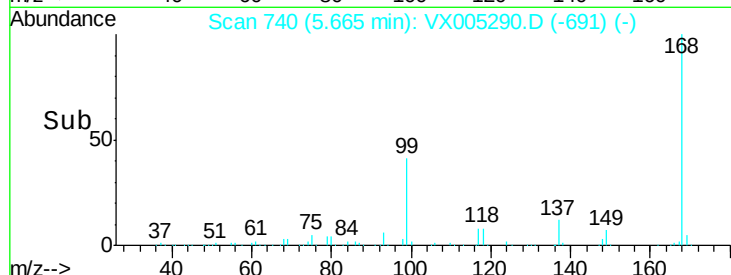
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.29 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005290.D

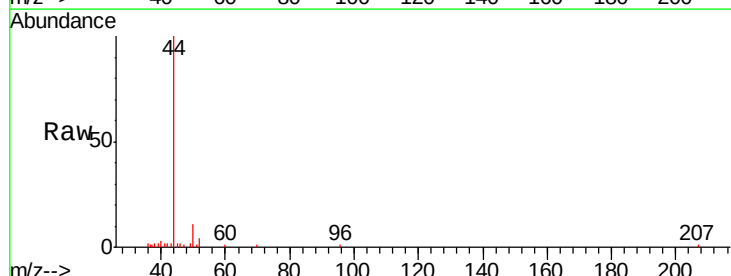
Acq: 12 Oct 2018 13:51

Tgt Ion: 50 Resp: 903

Ion Ratio Lower Upper

50 100

52 36.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

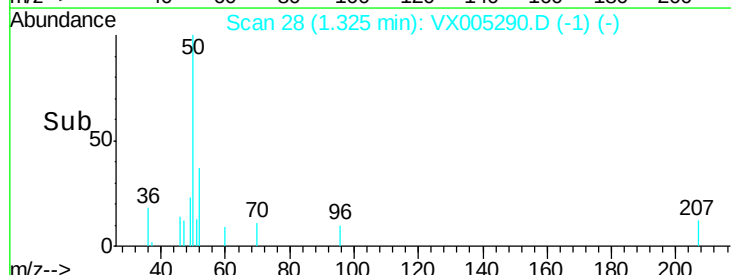
300

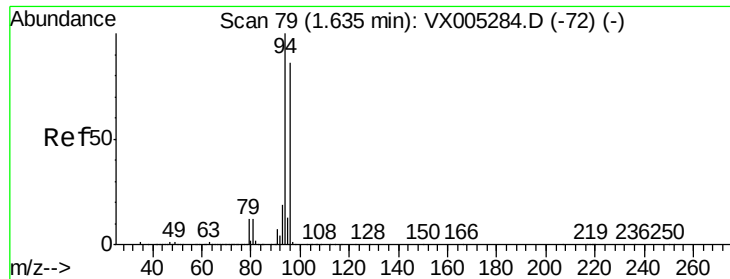
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 1.20 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

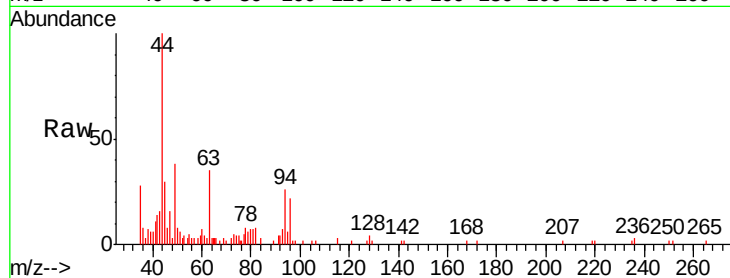
CONCRETE-PILE

Tgt Ion: 94 Resp: 1126

Ion Ratio Lower Upper

94 100

96 92.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

400

200

0

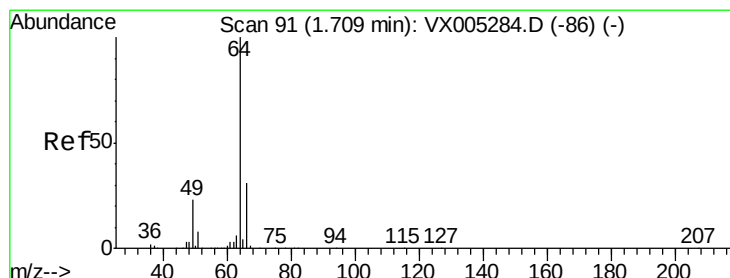
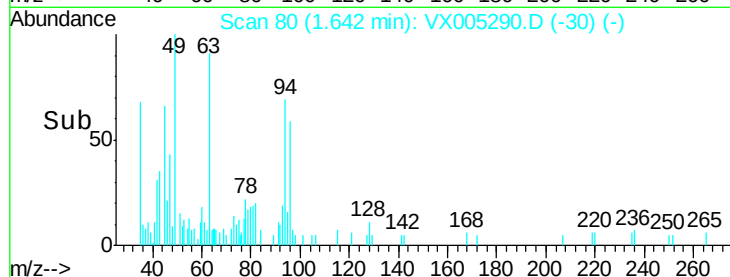
1.55

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.55 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005290.D

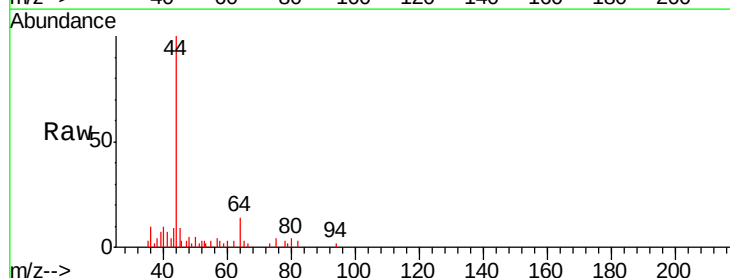
Acq: 12 Oct 2018 13:51

Tgt Ion: 64 Resp: 444

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

400

300

200

100

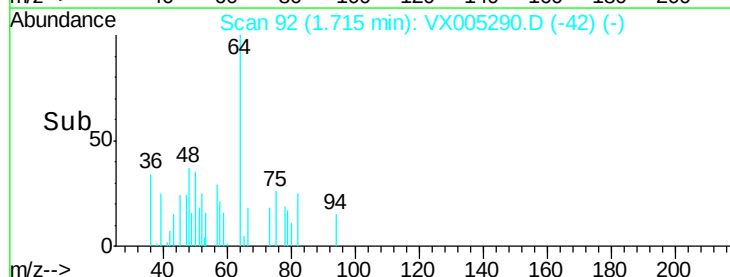
0

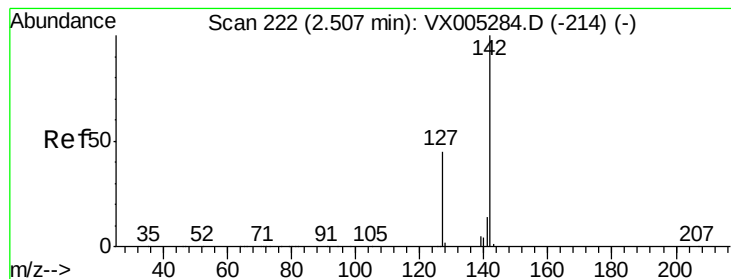
1.65

1.70

1.71

Time-->





#10

Methyl Iodide

Concen: 2.67 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE

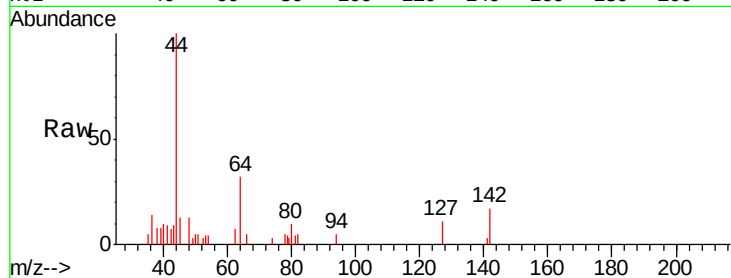
Tgt Ion:142 Resp: 506

Ion Ratio Lower Upper

142 100

127 48.8 33.8 50.6

141 16.2 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

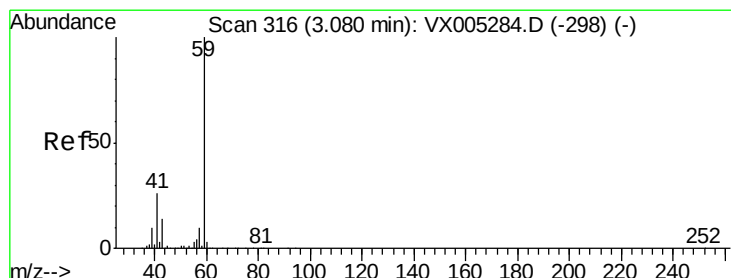
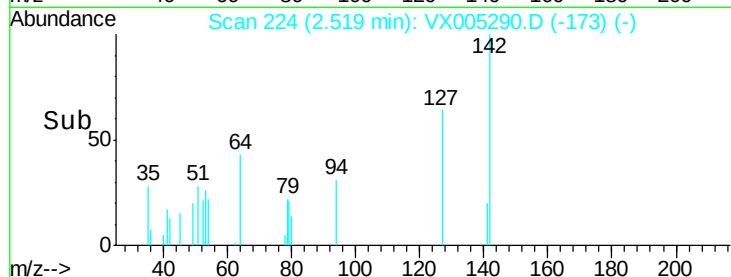
300

200

100

0

Time--> 2.45 2.50 2.55



#11

Tert butyl alcohol

Concen: 0.38 ug/l

RT: 3.08 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX005290.D

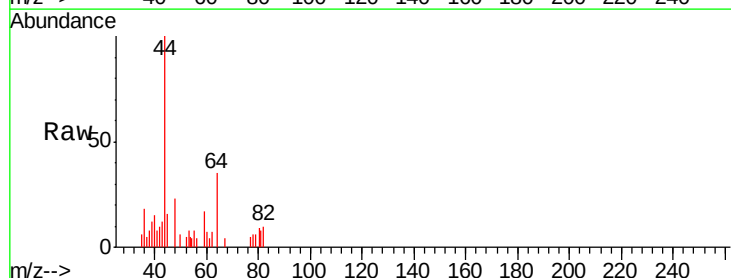
Acq: 12 Oct 2018 13:51

Tgt Ion: 59 Resp: 334

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

200

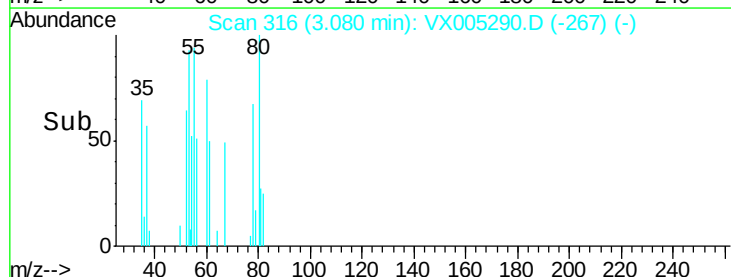
150

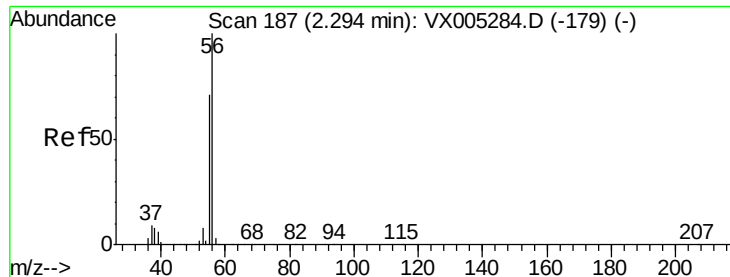
100

50

0

Time--> 3.04 3.06 3.08 3.10 3.12

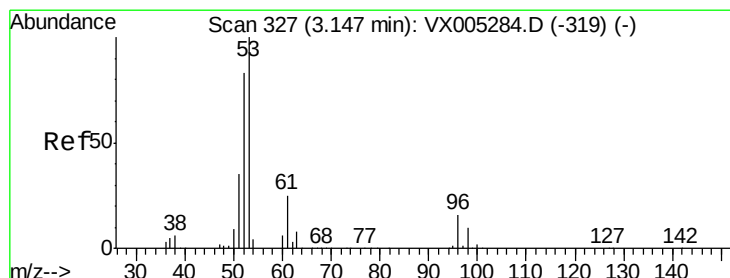
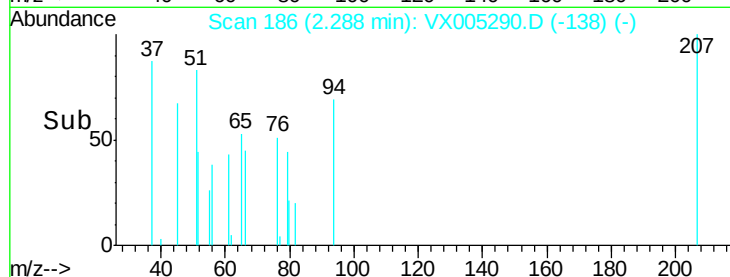
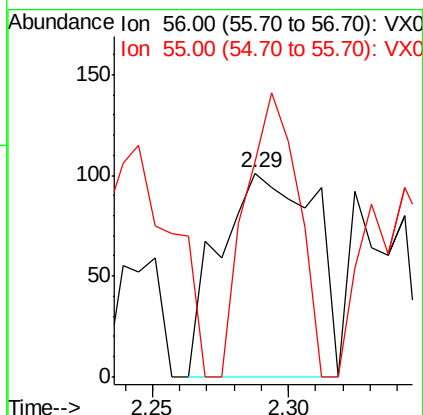
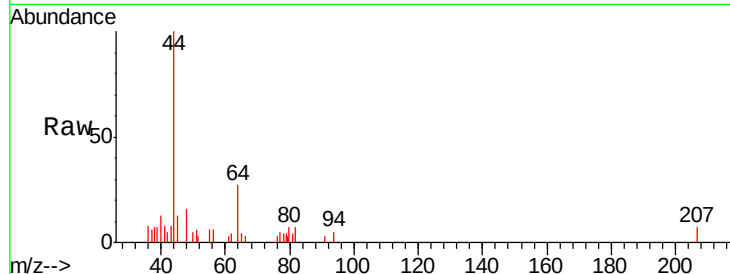




#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

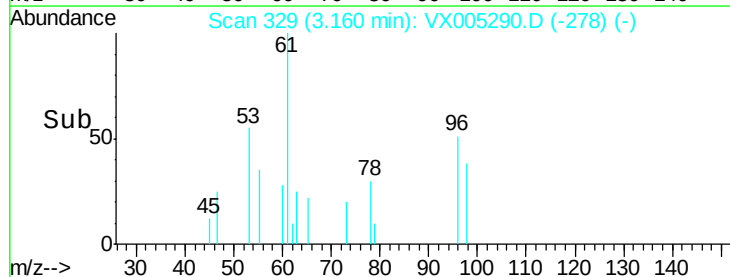
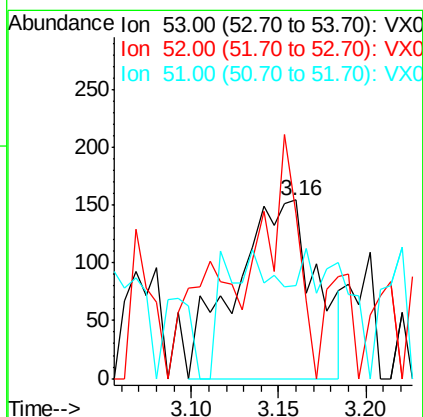
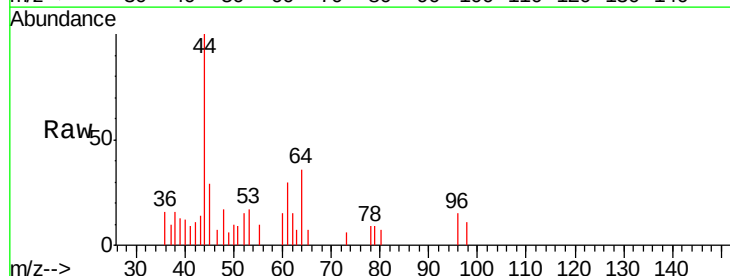
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

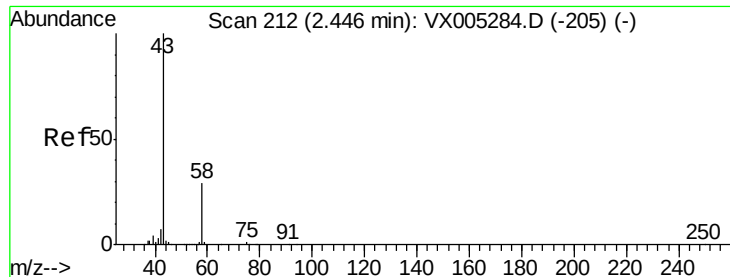
Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 77.0 54.7 82.1



#15
Acrylonitrile
Concen: 0.25 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.01 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

Tgt Ion: 53 Resp: 495
Ion Ratio Lower Upper
53 100
52 56.2 65.2 97.8#
51 0.0 28.2 42.2#





#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

Instrument :

MSVOA_X

ClientSampleId :

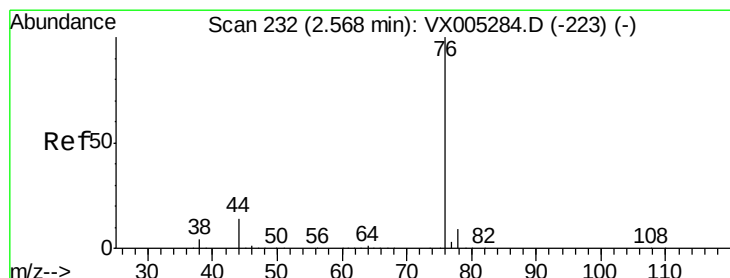
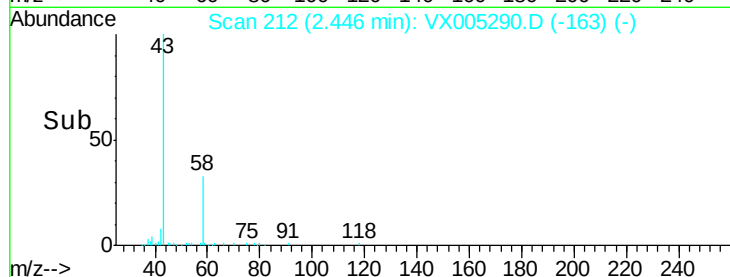
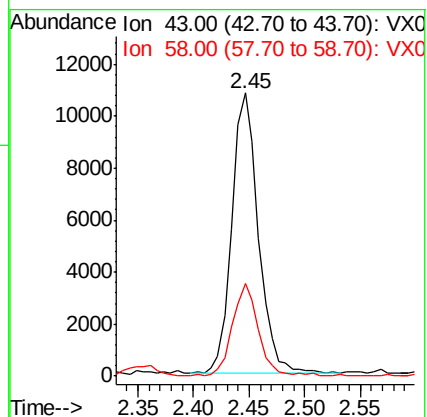
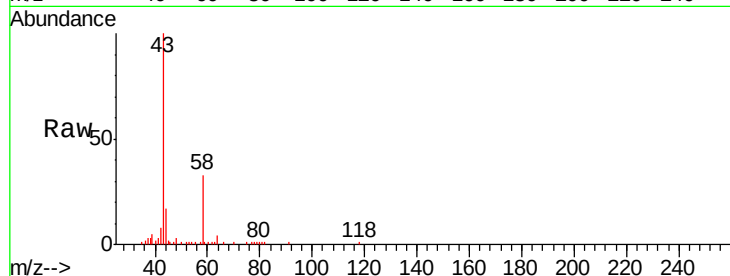
CONCRETE-PILE

Tgt Ion: 43 Resp: 17844

Ion Ratio Lower Upper

43 100

58 33.1 26.2 39.4



#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005290.D

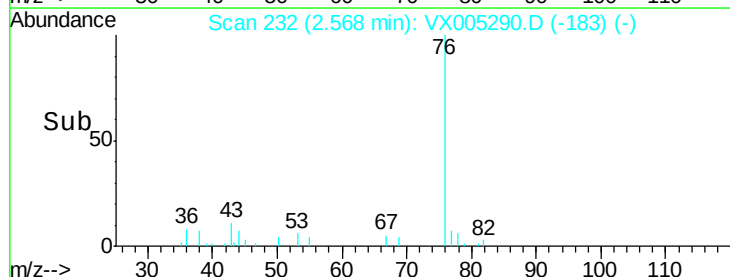
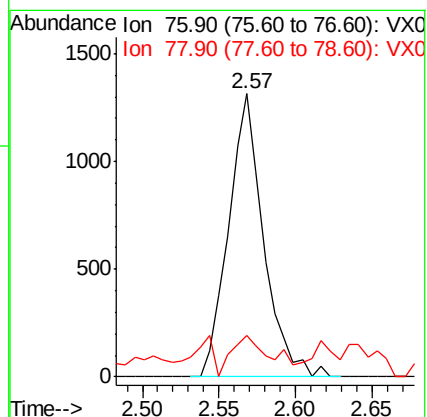
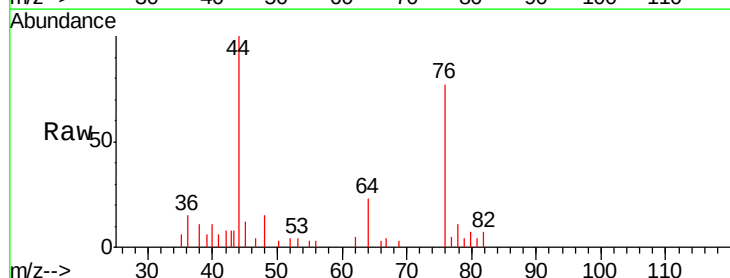
Acq: 12 Oct 2018 13:51

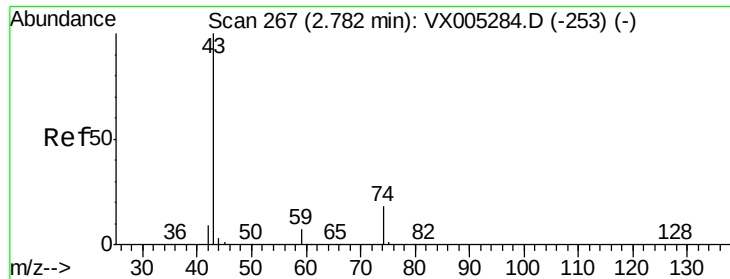
Tgt Ion: 76 Resp: 2082

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6

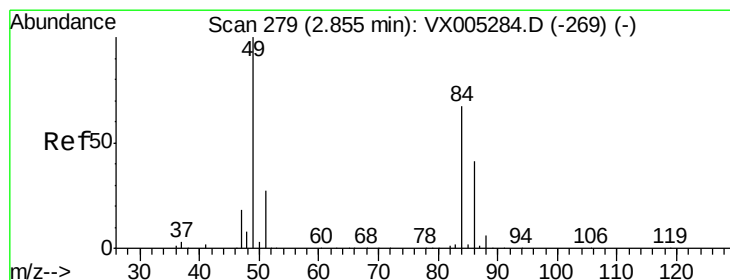
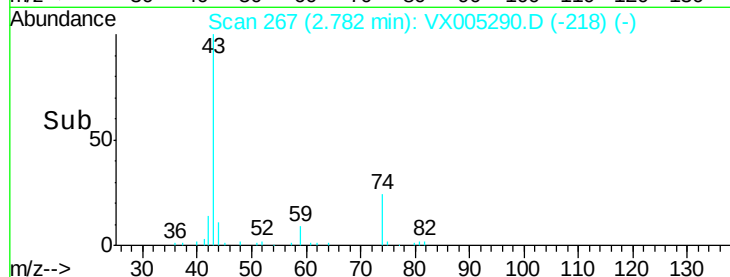
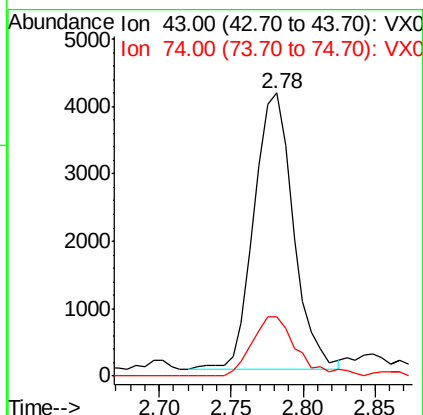
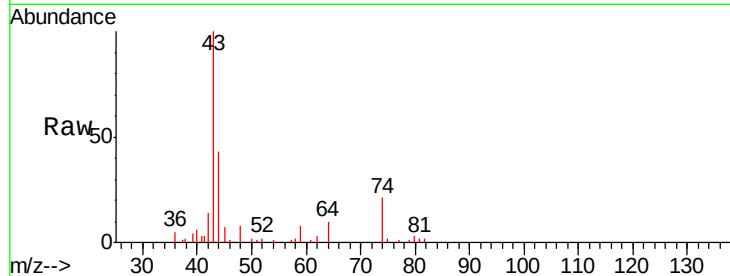




#18
Methyl Acetate
Concen: 1.53 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

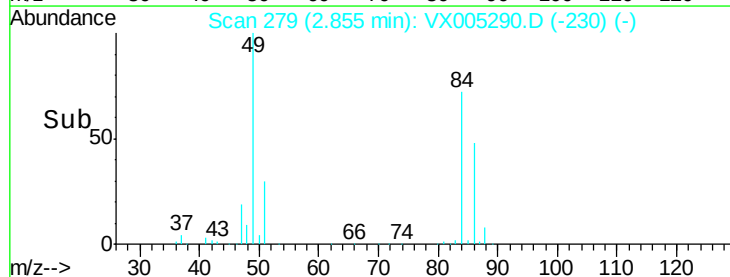
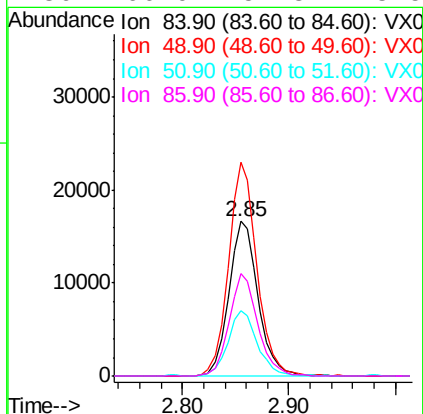
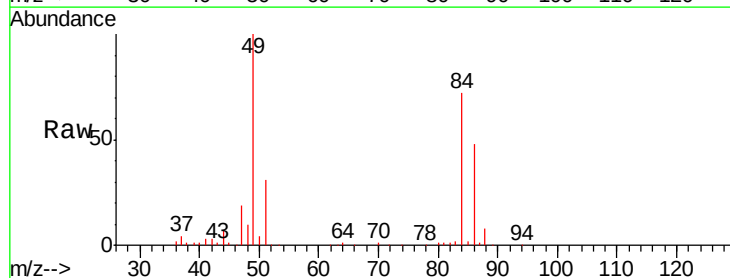
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

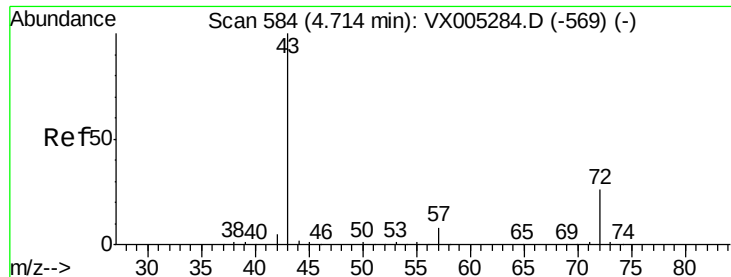
Tgt Ion: 43 Resp: 7765
Ion Ratio Lower Upper
43 100
74 24.7 19.4 29.2



#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

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





#25

2-Butanone

Concen: 1.28 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampled :

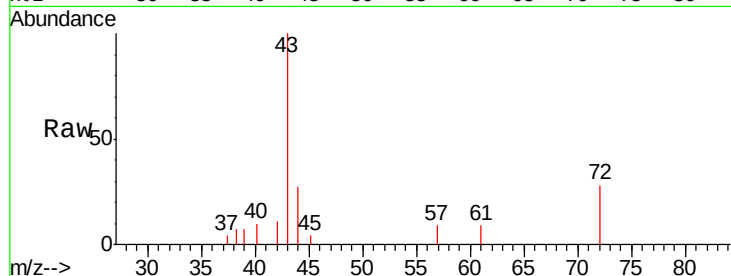
CONCRETE-PILE

Tgt Ion: 43 Resp: 3338

Ion Ratio Lower Upper

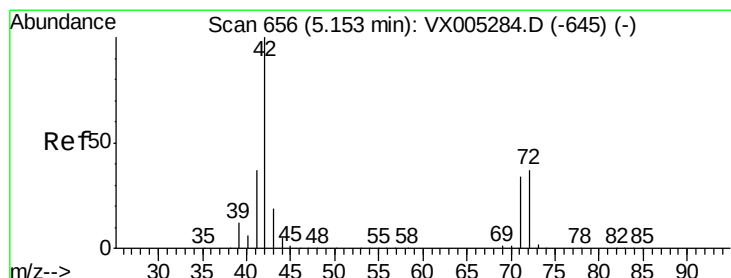
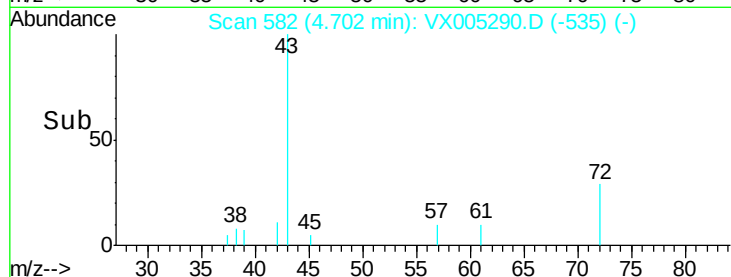
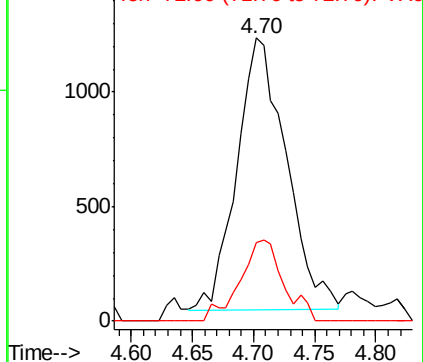
43 100

72 28.8 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.01 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

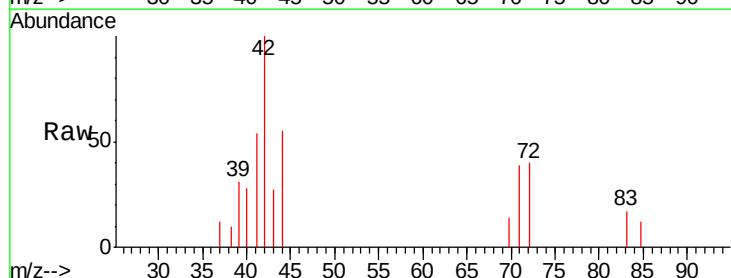
Tgt Ion: 42 Resp: 1690

Ion Ratio Lower Upper

42 100

72 32.7 37.4 56.0#

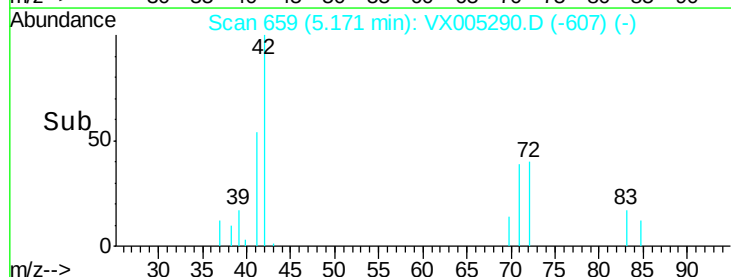
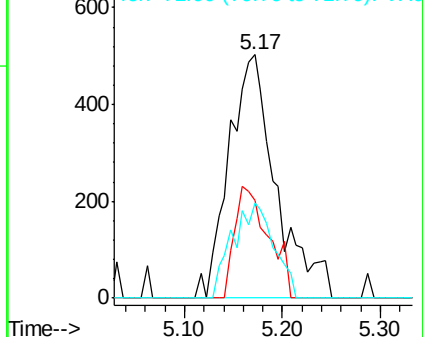
71 34.3 34.5 51.7#

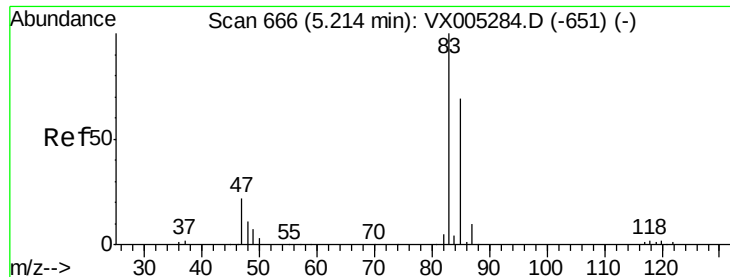


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 0.60 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

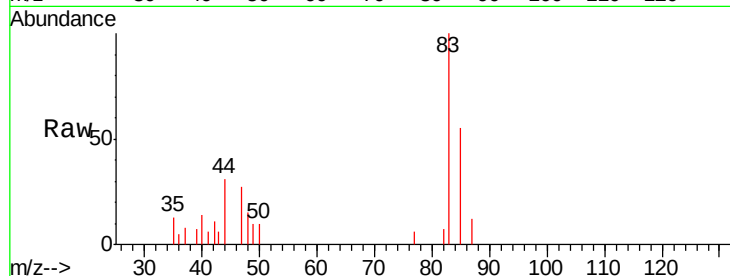
CONCRETE-PILE

Tgt Ion: 83 Resp: 2882

Ion Ratio Lower Upper

83 100

85 54.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.21

1200

1000

800

600

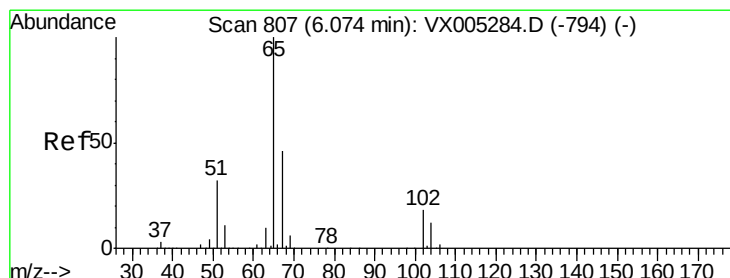
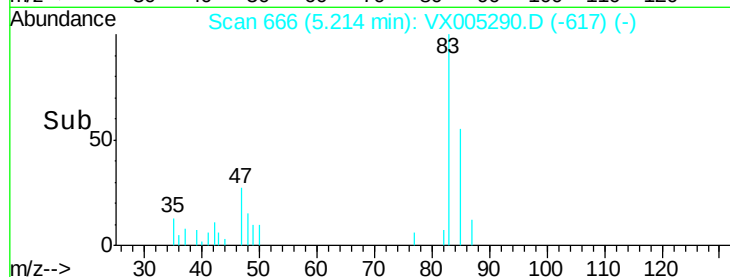
400

200

0

Time-->

5.15 5.20 5.25 5.30



#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

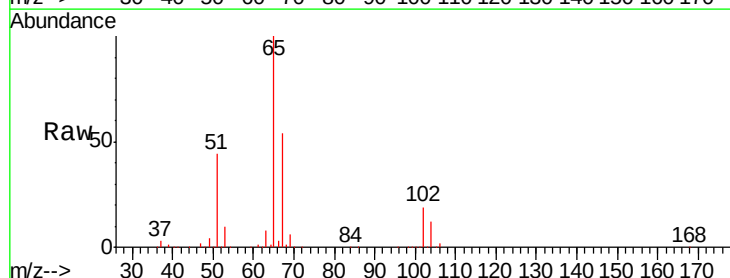
Acq: 12 Oct 2018 13:51

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

6.07

60000

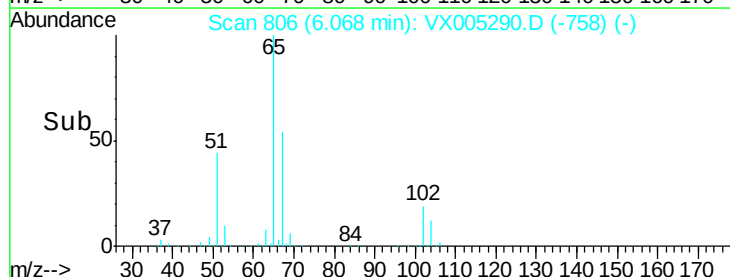
40000

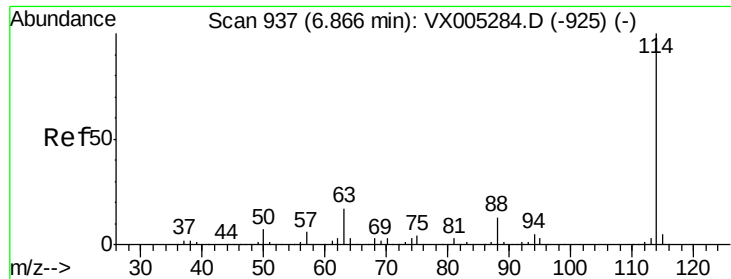
20000

0

Time-->

5.90 6.00 6.10 6.20 6.30

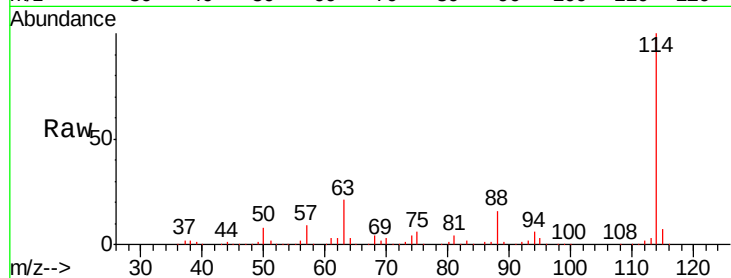




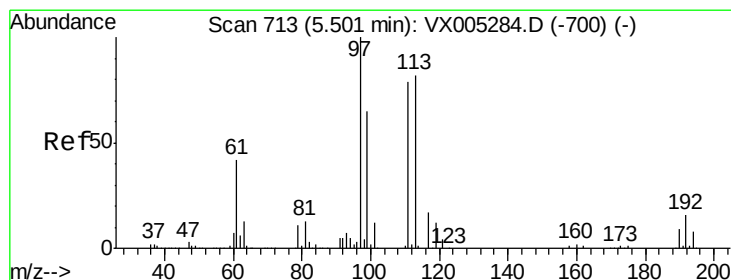
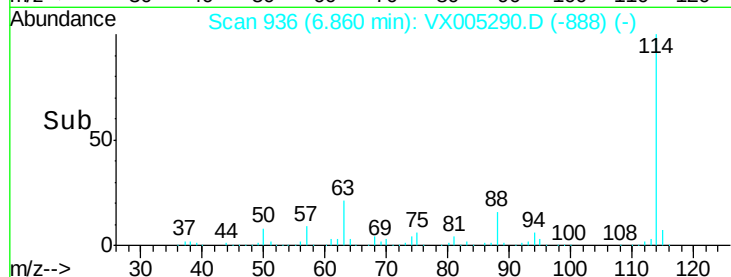
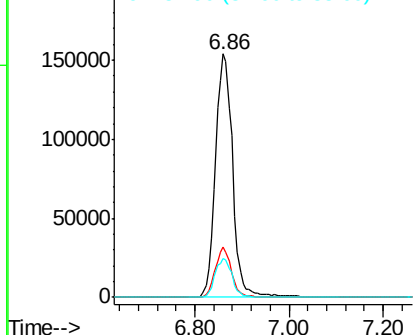
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

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

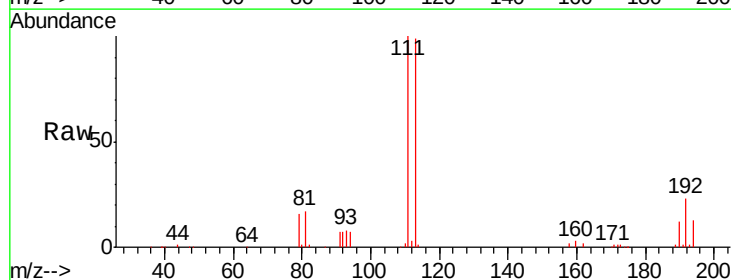


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

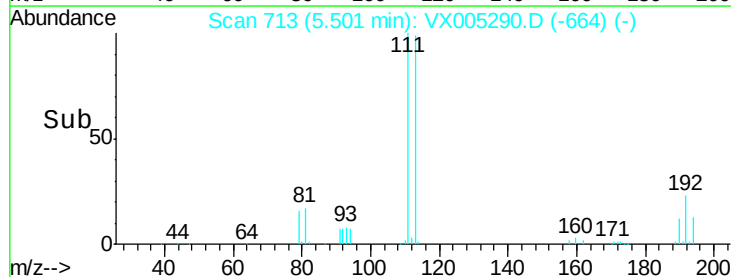
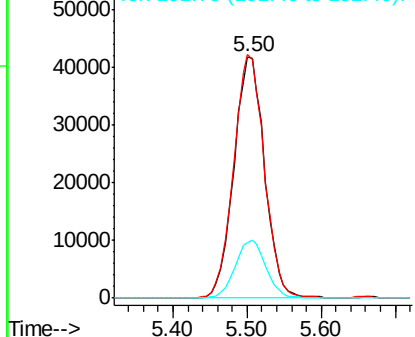


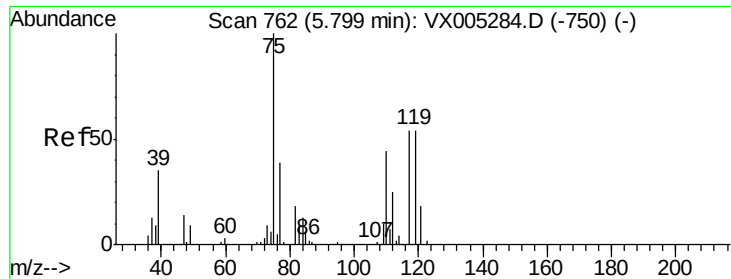
#35
 Dibromofluoromethane
 Concen: 46.80 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

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

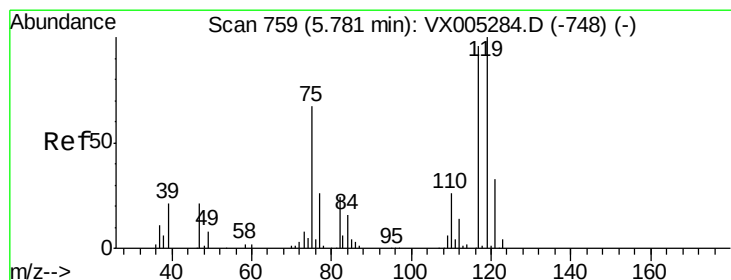
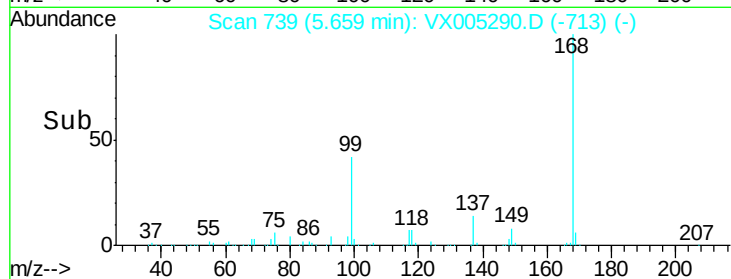
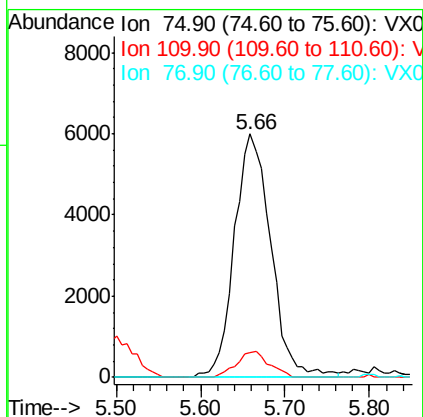
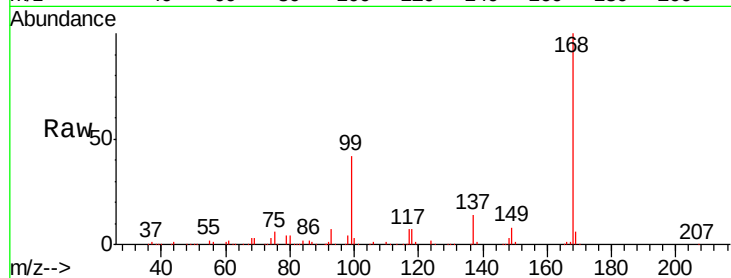




#36
 1,1-Dichloropropene
 Concen: 4.66 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

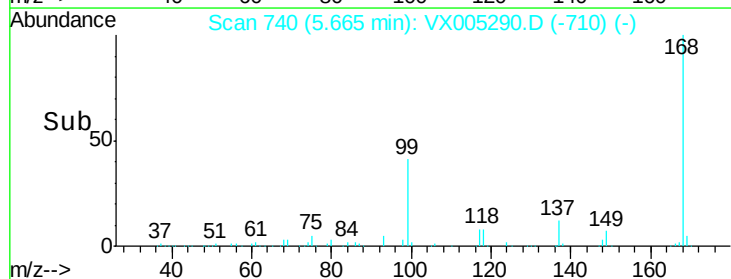
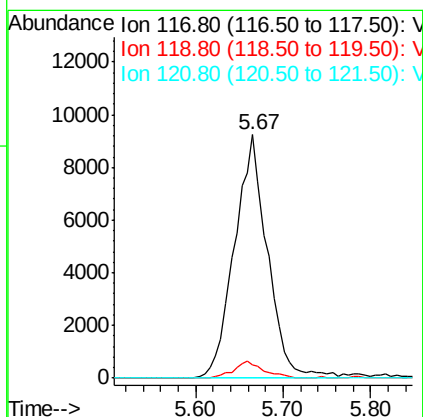
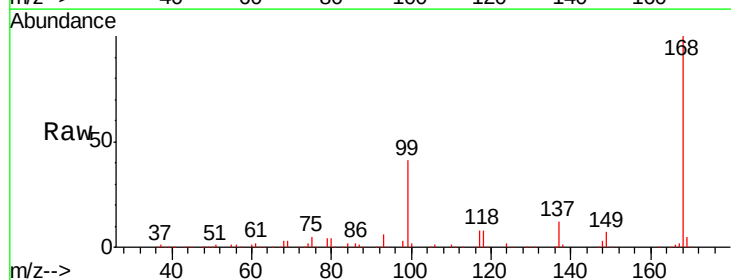
Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE

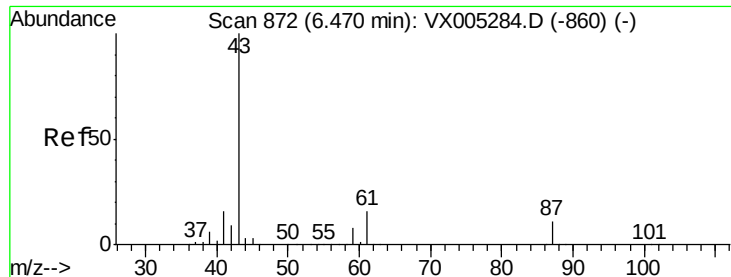
Tgt Ion: 75 Resp: 17571
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.0 54.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.39 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

Tgt Ion: 117 Resp: 24237
 Ion Ratio Lower Upper
 117 100
 119 5.6 78.8 118.2#
 121 0.0 24.9 37.3#





#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

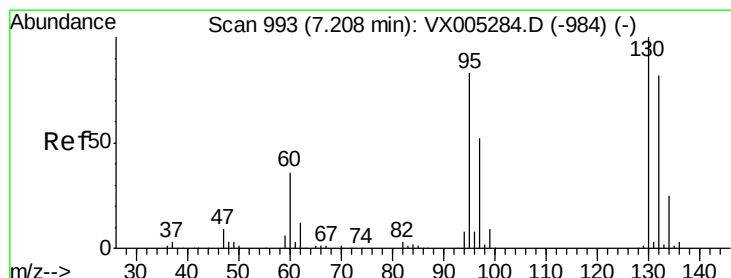
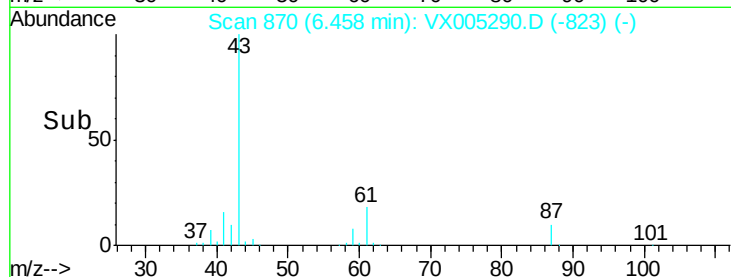
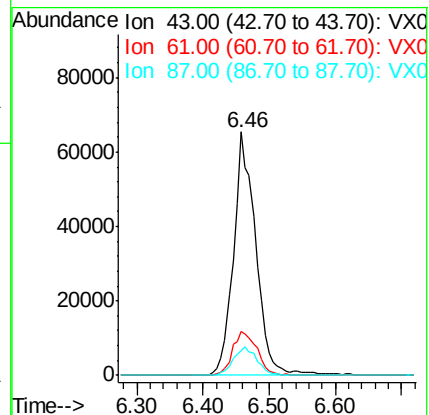
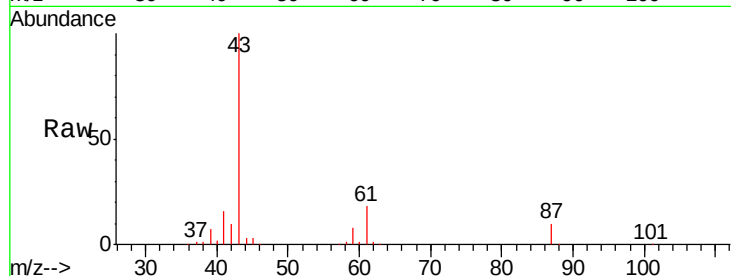
Tgt Ion: 43 Resp: 152640

Ion Ratio Lower Upper

43 100

61 19.7 17.0 25.4

87 12.6 11.4 17.2



#44

Trichloroethene

Concen: Below Cal

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005290.D

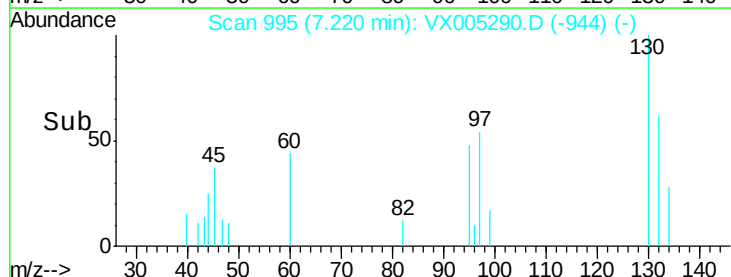
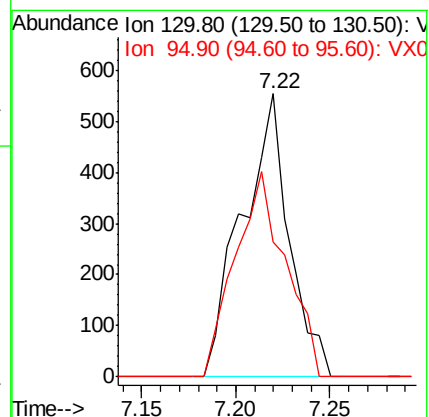
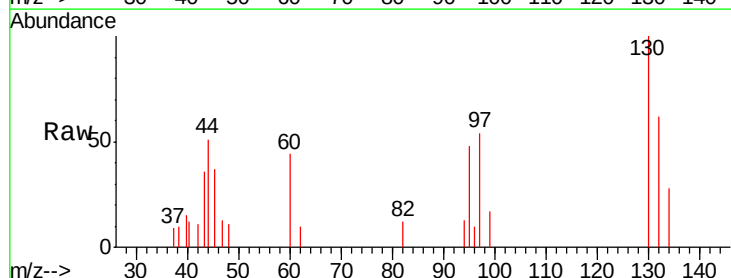
Acq: 12 Oct 2018 13:51

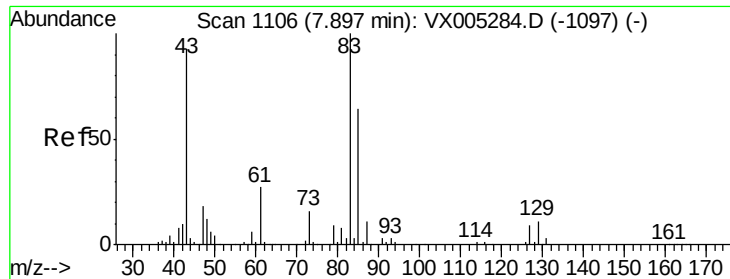
Tgt Ion: 130 Resp: 960

Ion Ratio Lower Upper

130 100

95 47.8 0.0 181.6





#47

Bromodichloromethane

Concen: 0.26 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE

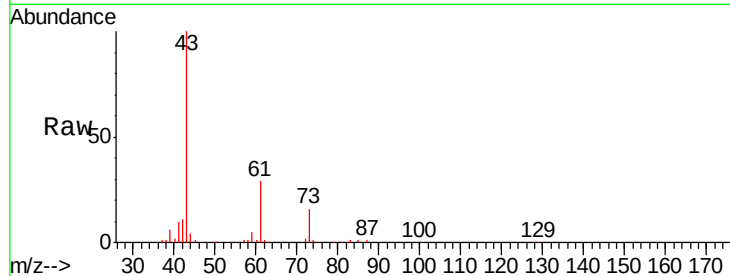
Tgt Ion: 83 Resp: 896

Ion Ratio Lower Upper

83 100

85 76.0 50.9 76.3

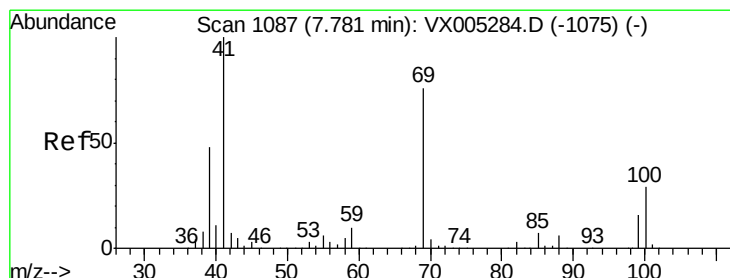
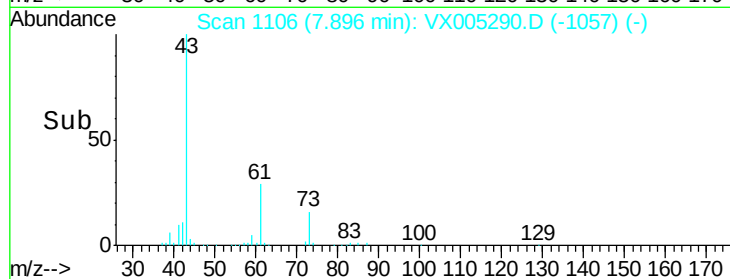
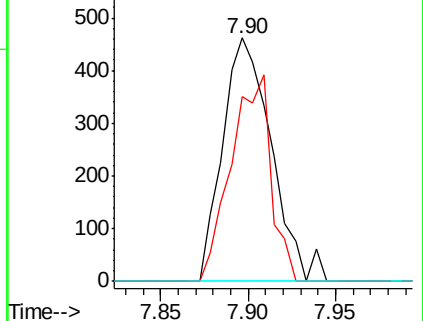
127 0.0 7.3 10.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.93 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

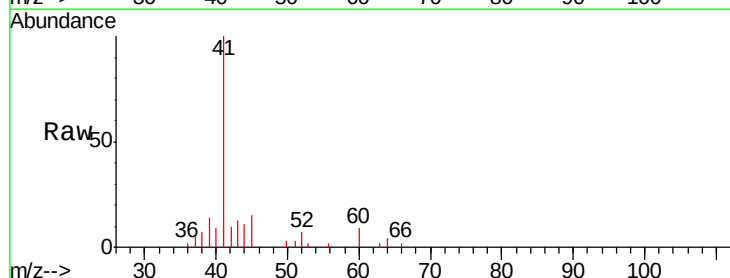
Tgt Ion: 41 Resp: 6461

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

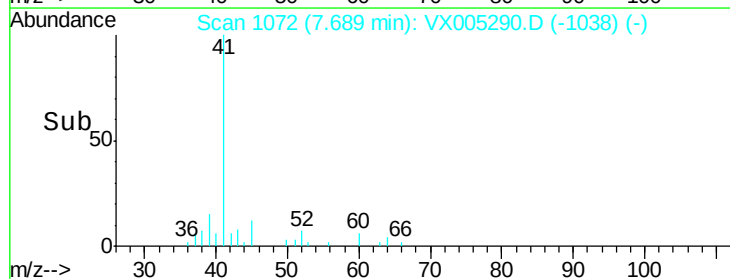
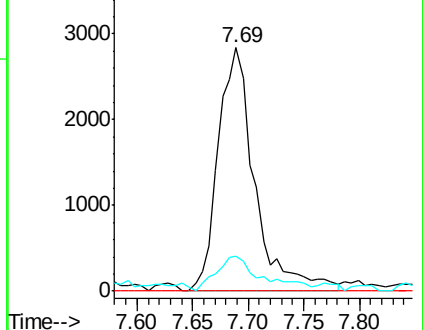
39 18.0 42.7 64.1#

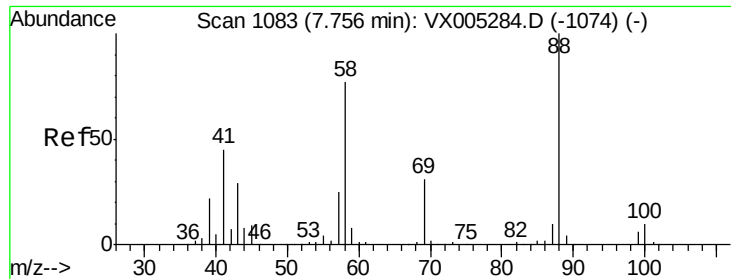


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.30 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.13 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE

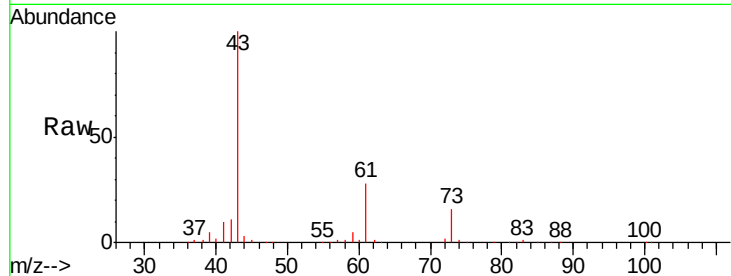
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 554360.9 24.7 37.1#

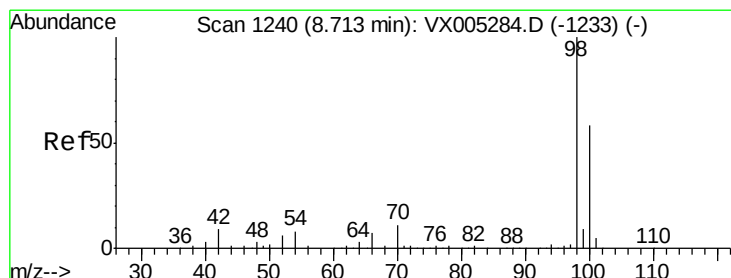
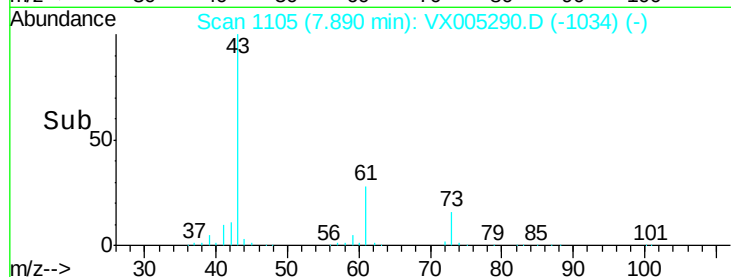
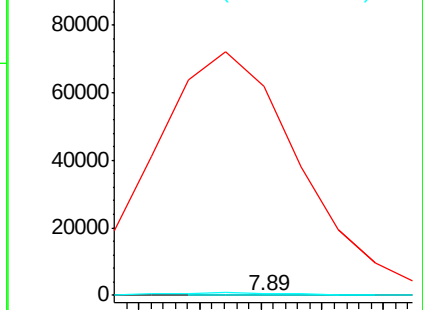
58 5700.0 55.3 82.9#



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: 51.10 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005290.D

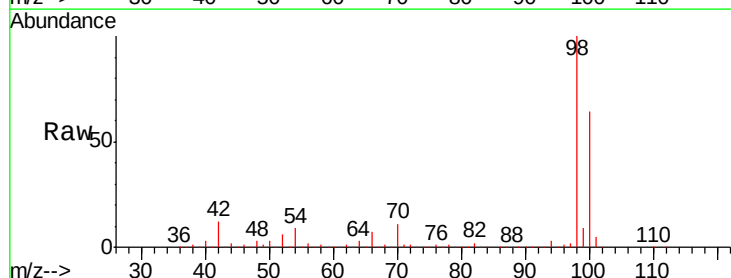
Acq: 12 Oct 2018 13:51

Tgt Ion: 98 Resp: 452669

Ion Ratio Lower Upper

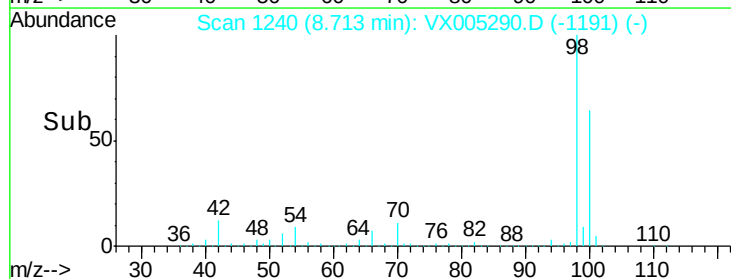
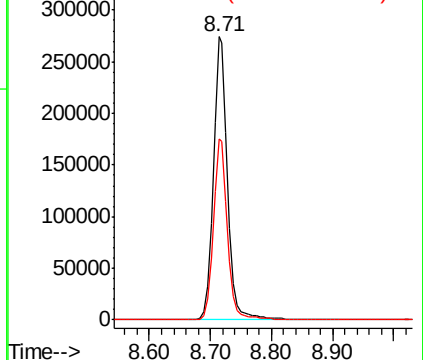
98 100

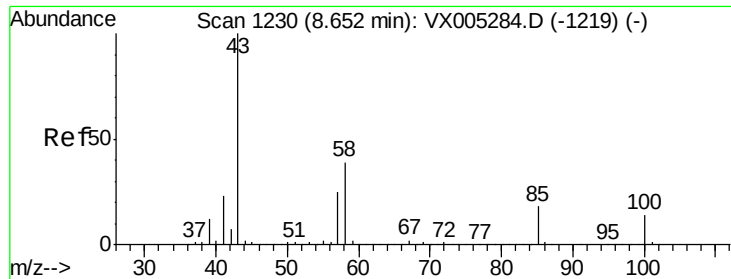
100 64.0 52.9 79.3



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: 0.69 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.03 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

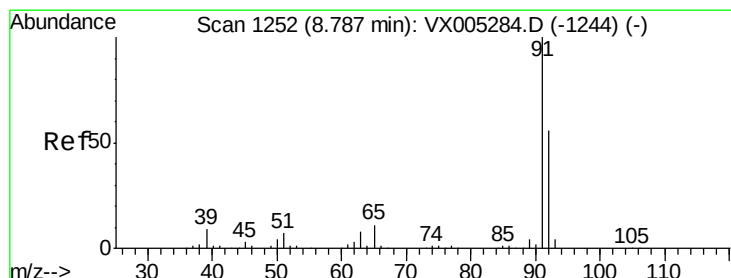
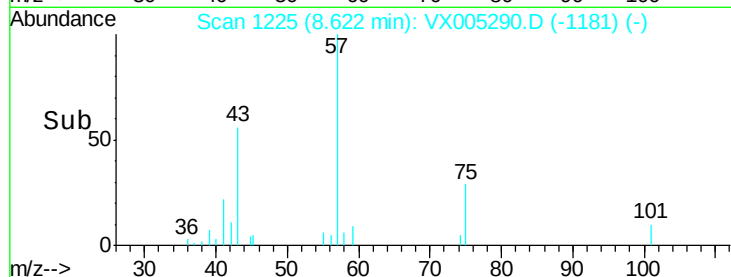
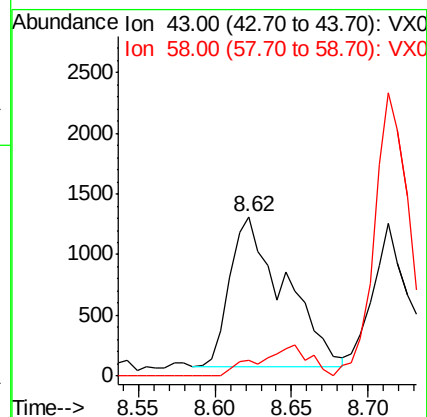
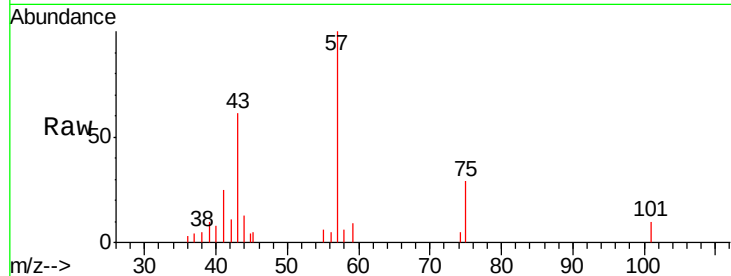
CONCRETE-PILE

Tgt Ion: 43 Resp: 3099

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#52

Toluene

Concen: 0.52 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005290.D

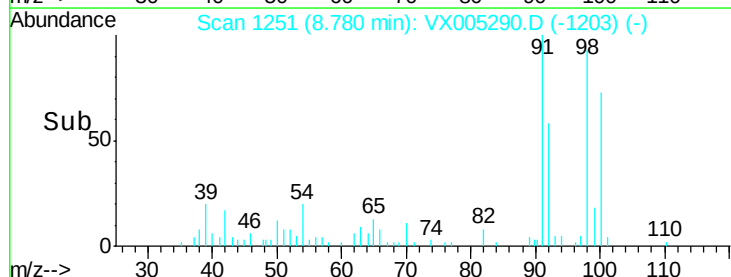
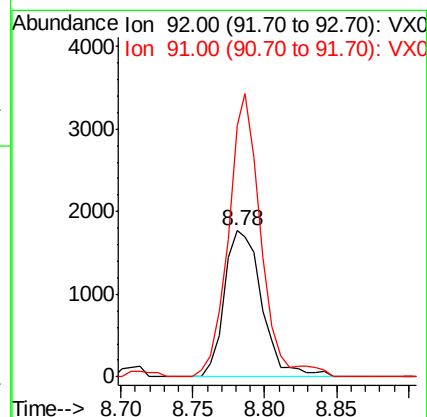
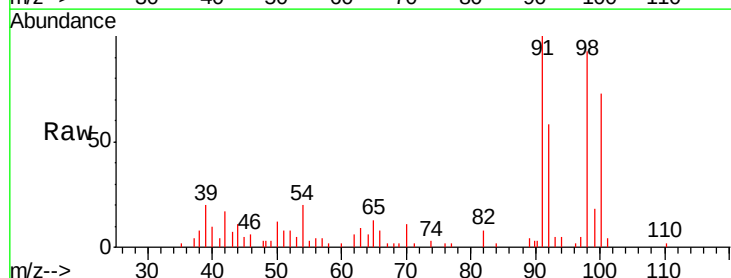
Acq: 12 Oct 2018 13:51

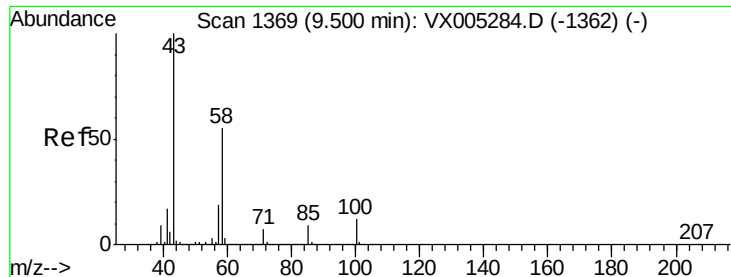
Tgt Ion: 92 Resp: 3221

Ion Ratio Lower Upper

92 100

91 168.5 136.4 204.6

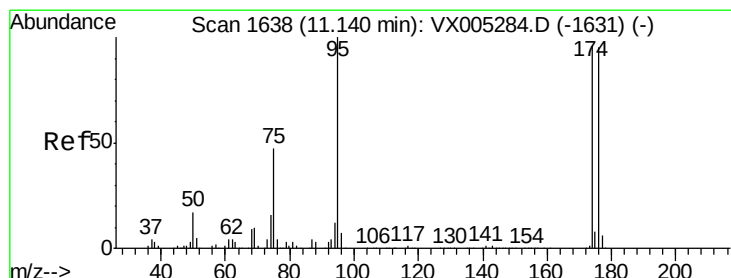
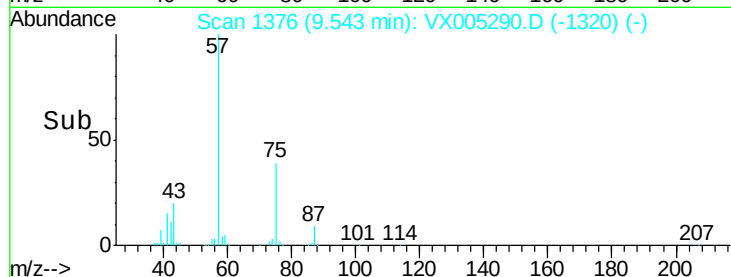
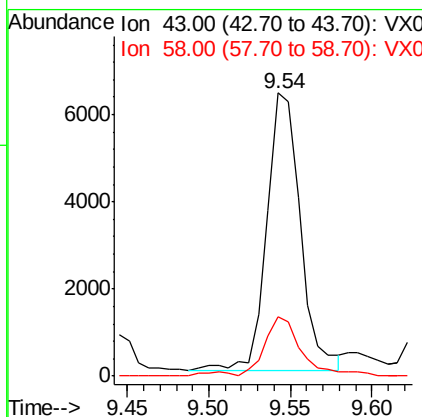
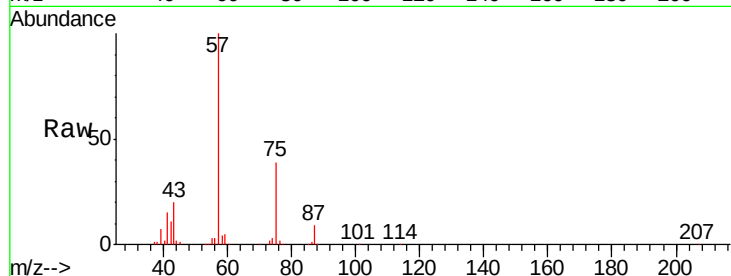




#59
2-Hexanone
Concen: 2.52 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

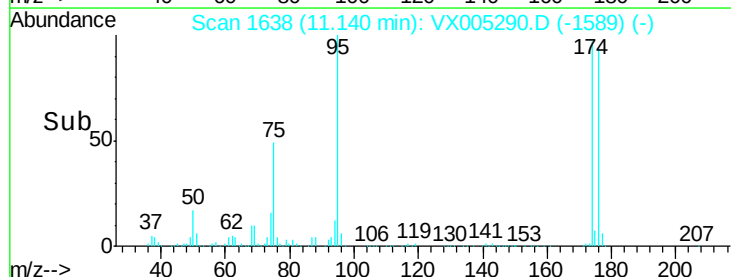
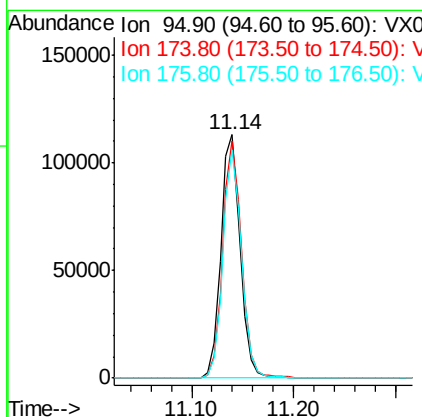
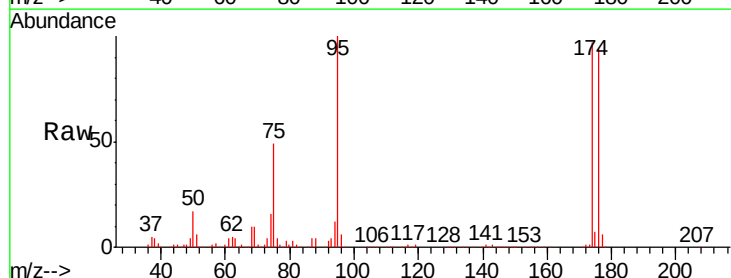
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

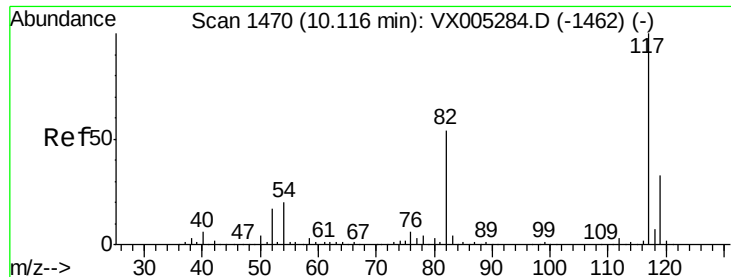
Tgt Ion: 43 Resp: 9078
Ion Ratio Lower Upper
43 100
58 23.2 29.0 87.0#



#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

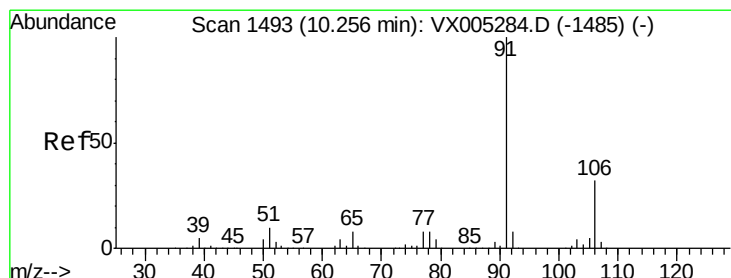
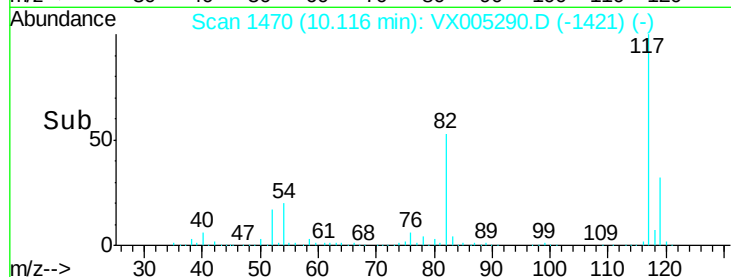
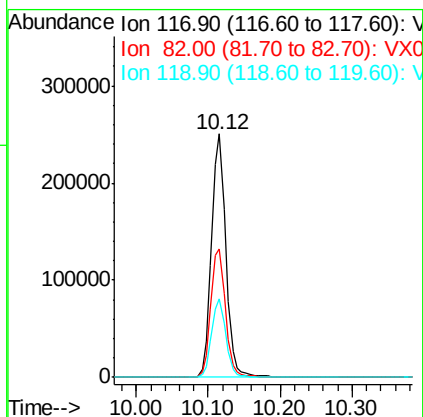
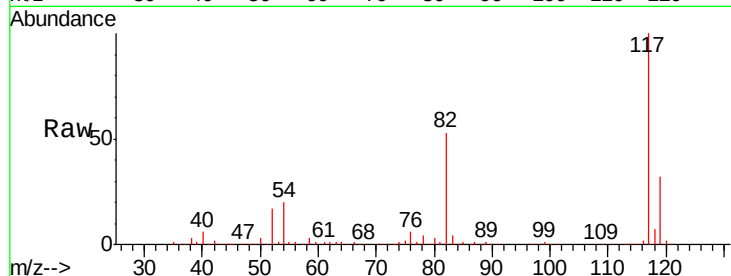




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

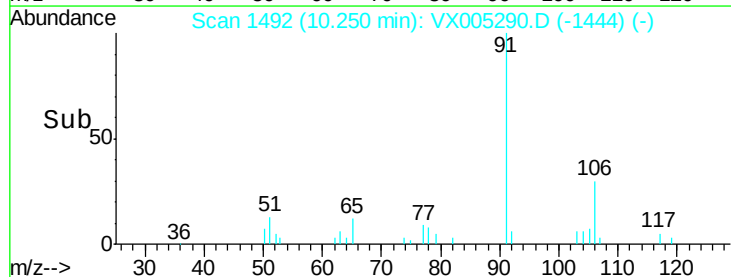
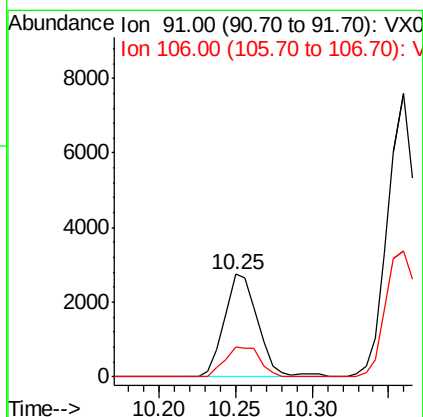
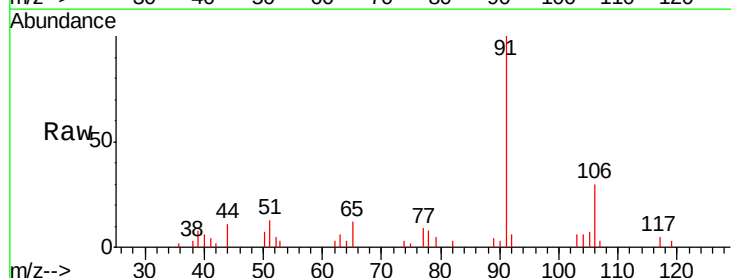
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

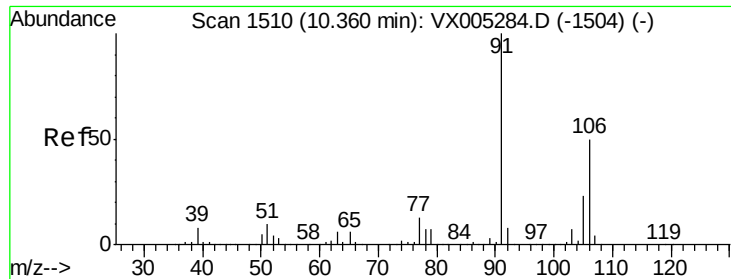
Tgt Ion: 117 Resp: 344886
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.6
119 32.2 29.3 43.9



#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

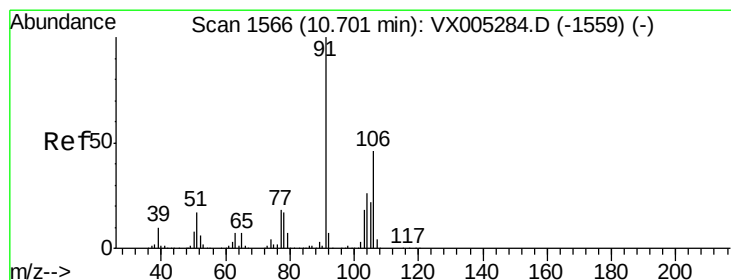
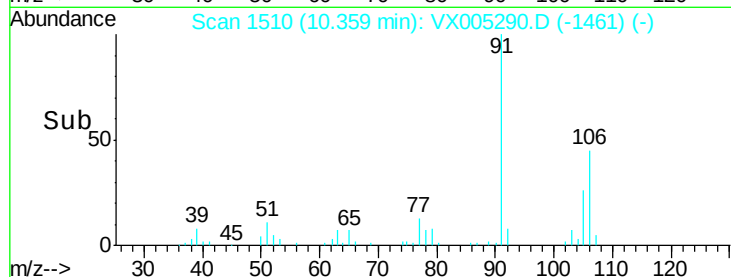
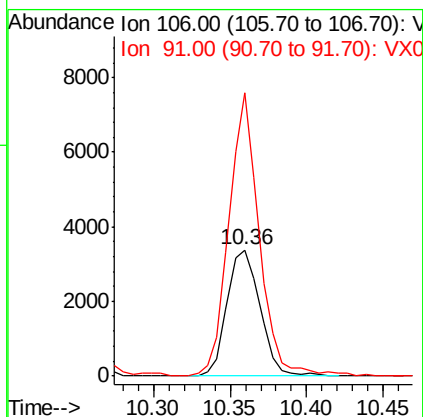
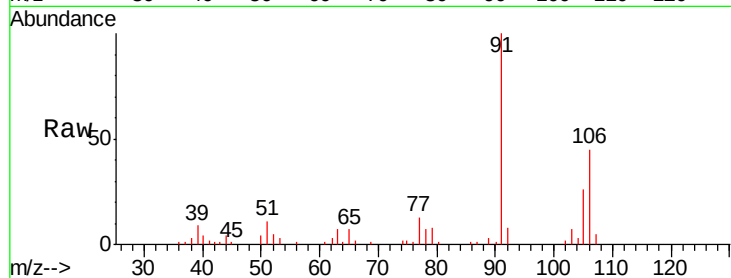




#68
m/p-Xylenes
Concen: 1.10 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

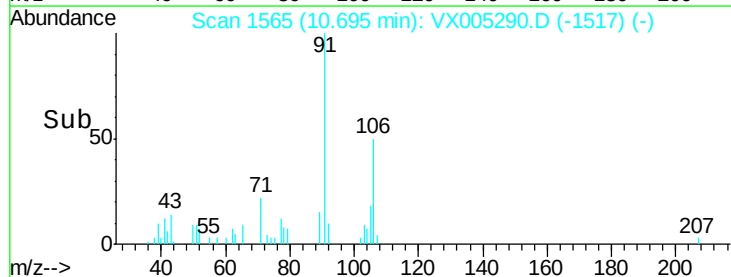
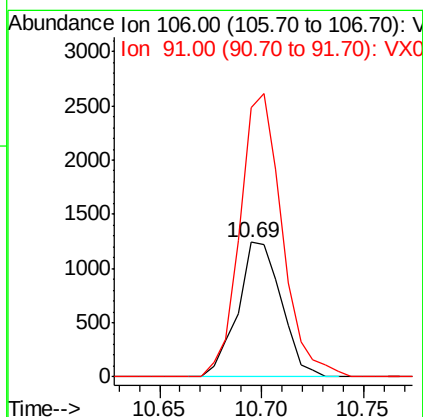
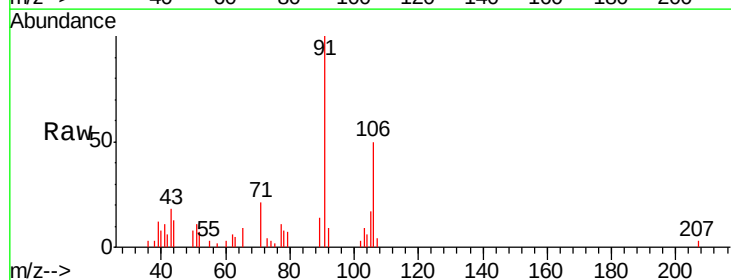
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

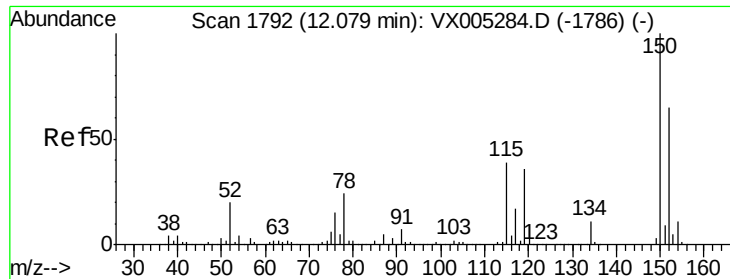
Tgt Ion:106 Resp: 5070
Ion Ratio Lower Upper
106 100
91 206.1 157.1 235.7



#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

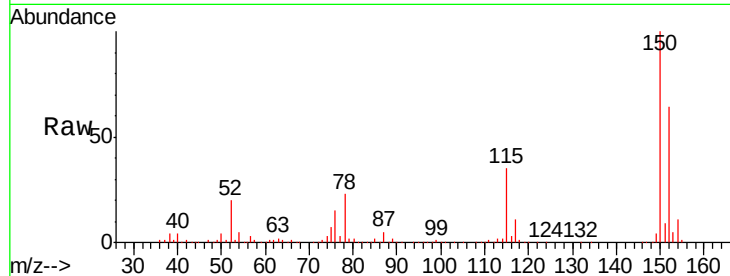
Tgt Ion:152 Resp: 166907

Ion Ratio Lower Upper

152 100

115 54.5 39.0 117.0

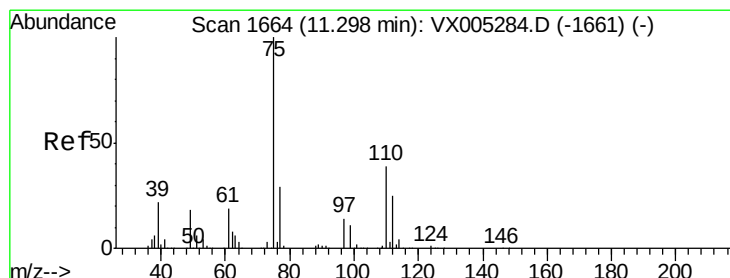
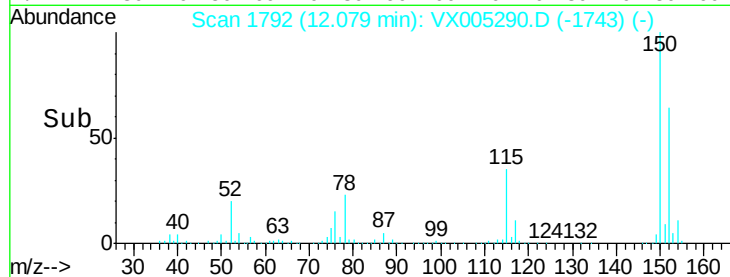
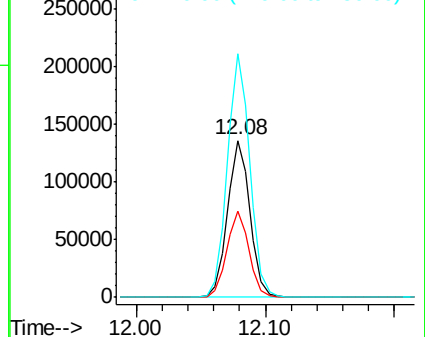
150 156.1 0.0 351.0



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



#76

1,2,3-Trichloropropane

Concen: 22.83 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005290.D

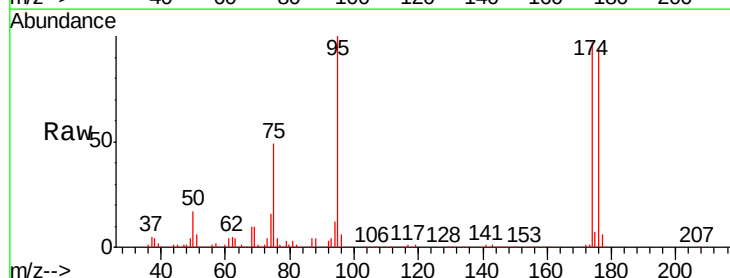
Acq: 12 Oct 2018 13:51

Tgt Ion: 75 Resp: 73897

Ion Ratio Lower Upper

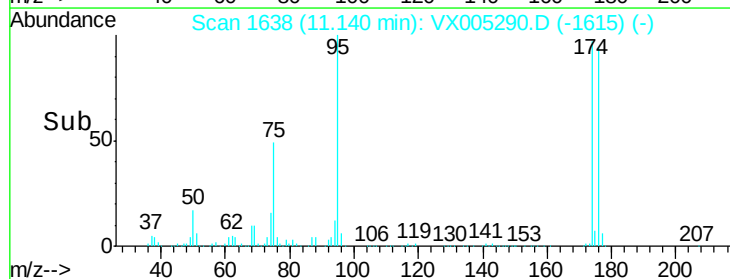
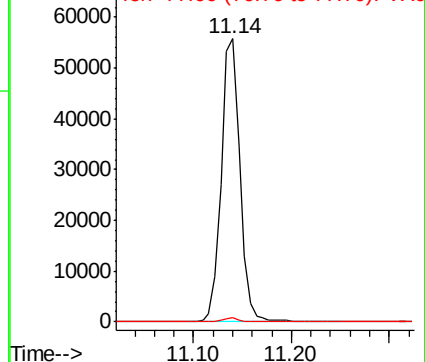
75 100

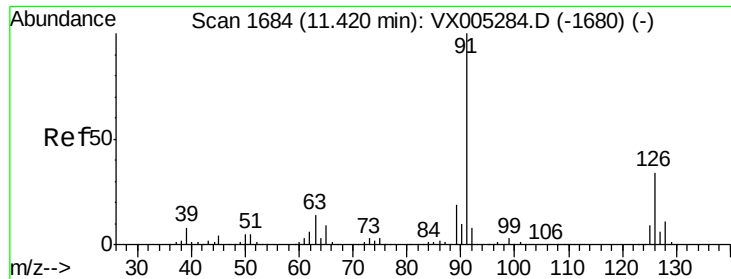
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

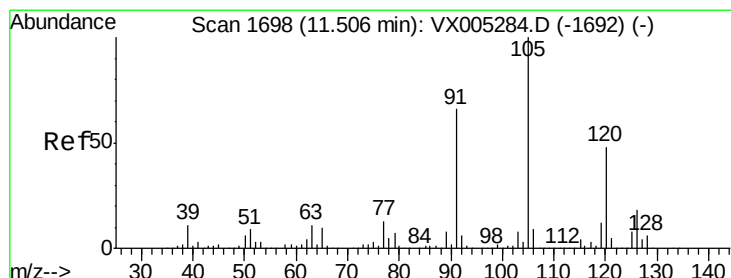
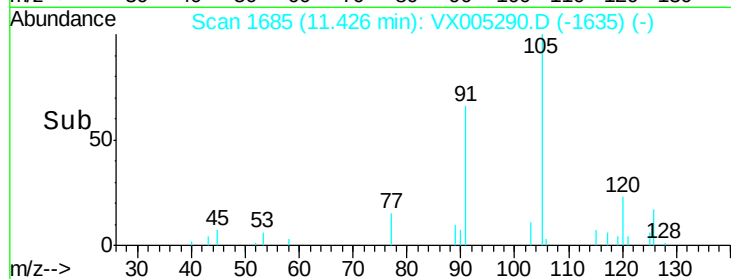
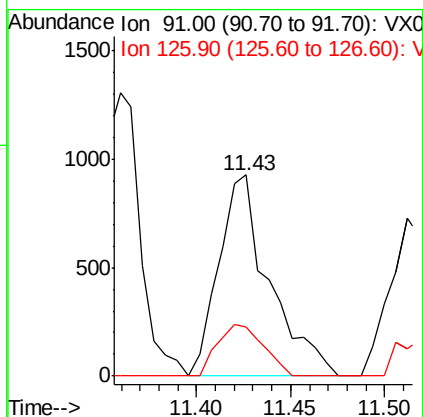
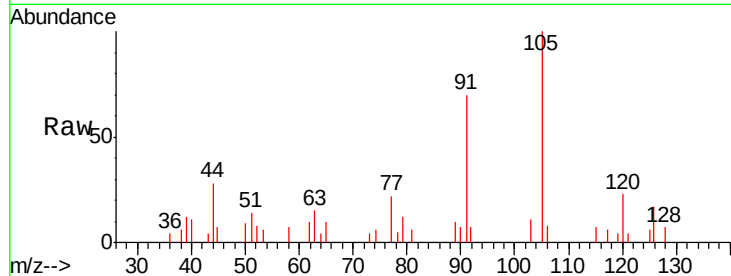




#79
 2-Chlorotoluene
 Concen: 0.25 ug/l
 RT: 11.43 min Scan# 1685
 Delta R.T. 0.01 min
 Lab File: VX005290.D
 Acq: 12 Oct 2018 13:51

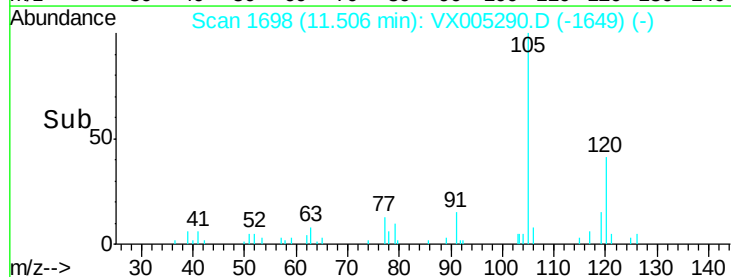
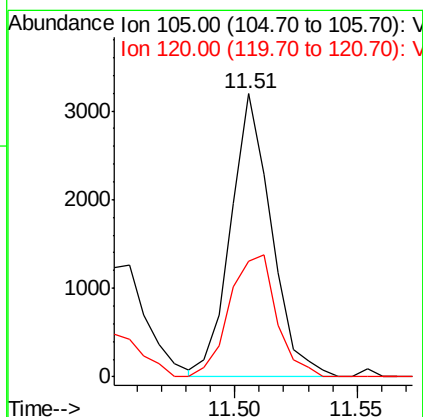
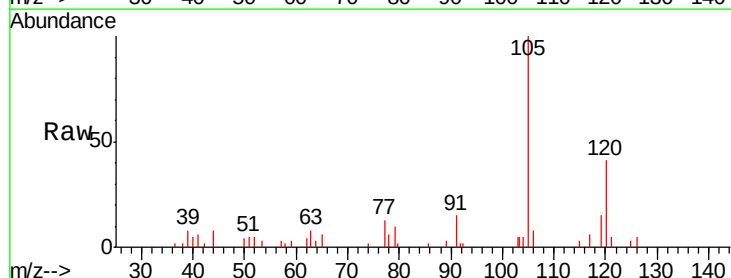
Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE

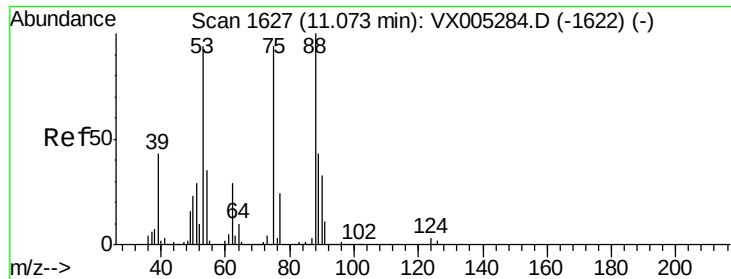
Tgt Ion: 91 Resp: 1723
 Ion Ratio Lower Upper
 91 100
 126 23.4 17.9 53.7



#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





#81

trans-1,4-Dichloro-2-butene

Concen: 69.35 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005290.D

Acq: 12 Oct 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE

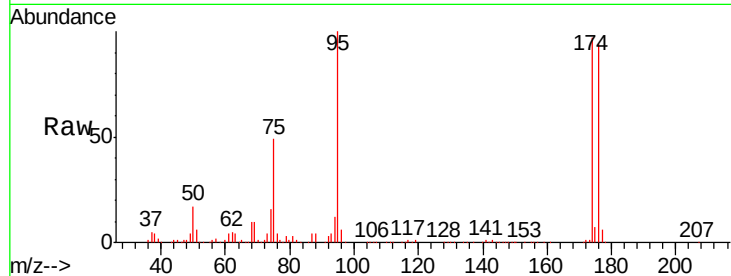
Tgt Ion: 75 Resp: 73897

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

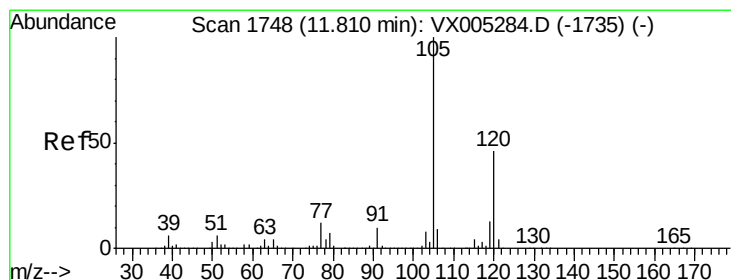
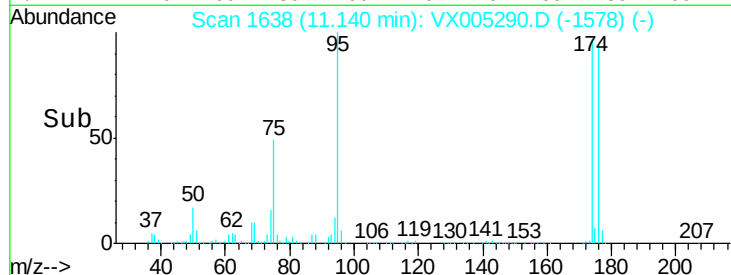
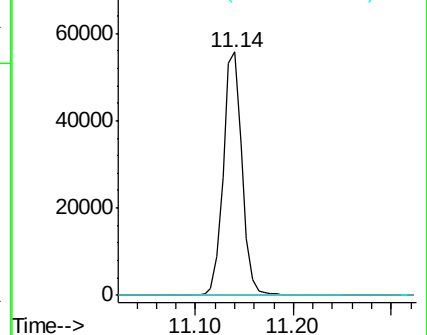
89 0.0 37.2 55.8#



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



#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

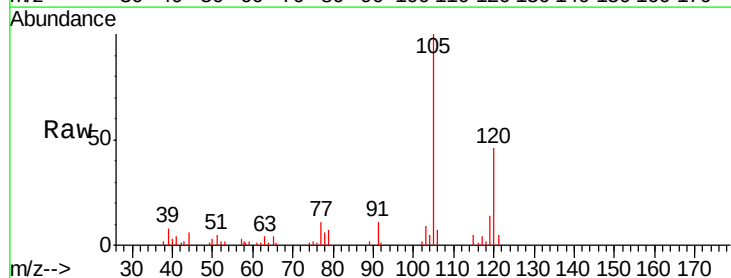
Acq: 12 Oct 2018 13:51

Tgt Ion: 105 Resp: 8947

Ion Ratio Lower Upper

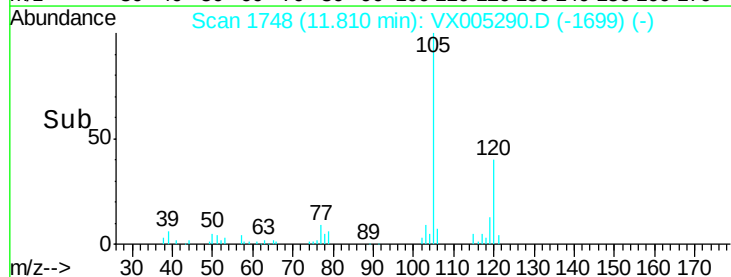
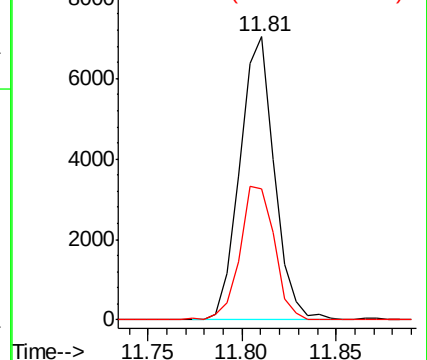
105 100

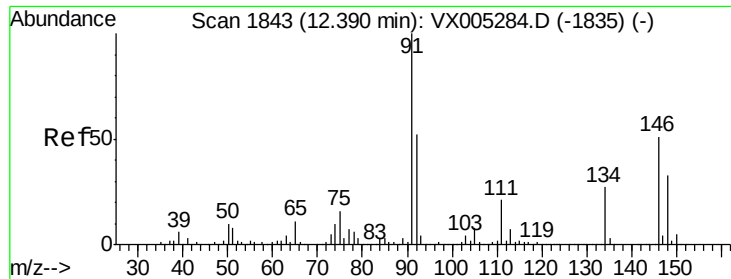
120 47.3 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

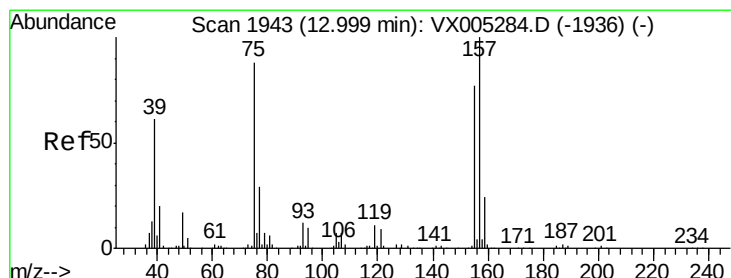
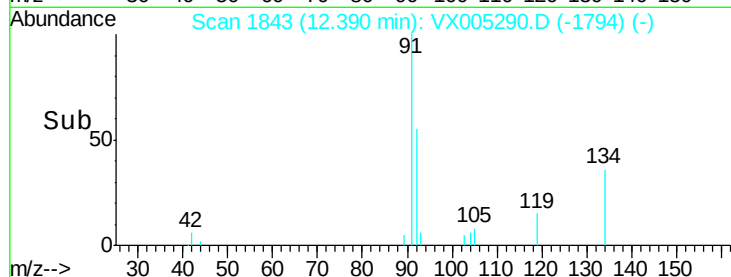
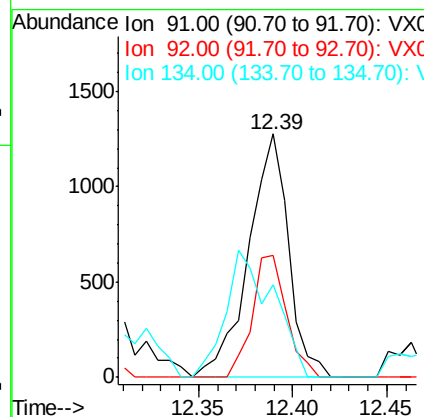
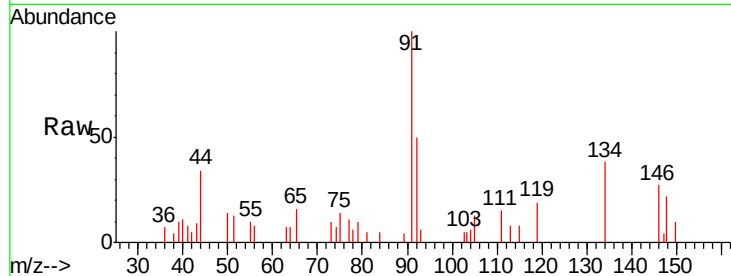




#89
n-Butylbenzene
Concen: 0.23 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

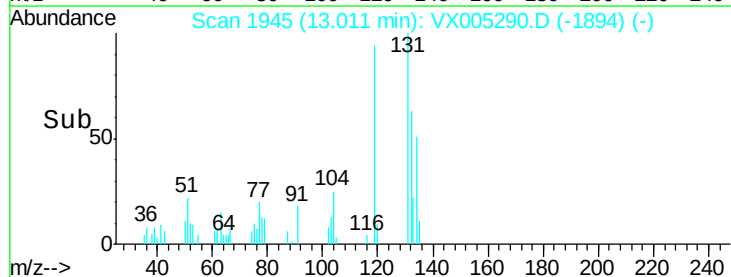
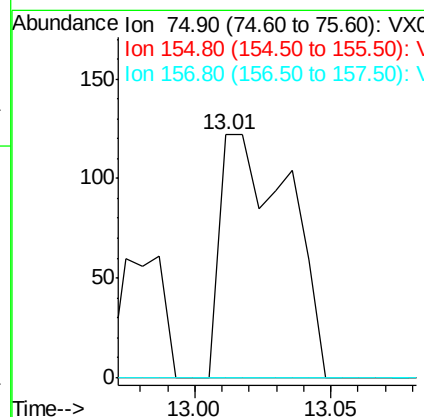
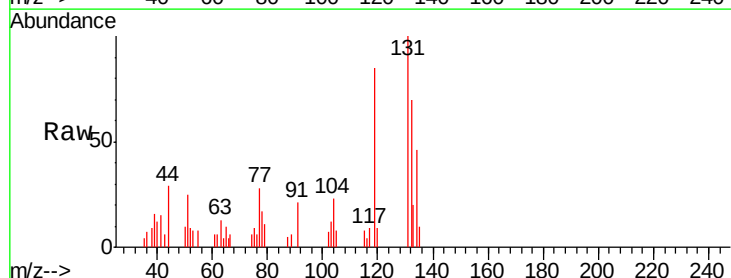
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

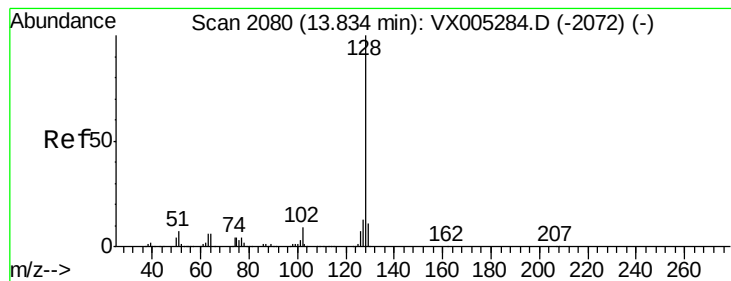
Tgt Ion: 91 Resp: 1881
Ion Ratio Lower Upper
91 100
92 43.0 27.3 81.9
134 61.9 13.6 40.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.23 ug/l
RT: 13.01 min Scan# 1945
Delta R.T. 0.01 min
Lab File: VX005290.D
Acq: 12 Oct 2018 13:51

Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
155 0.0 48.0 144.2#
157 0.0 61.4 184.1#





#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

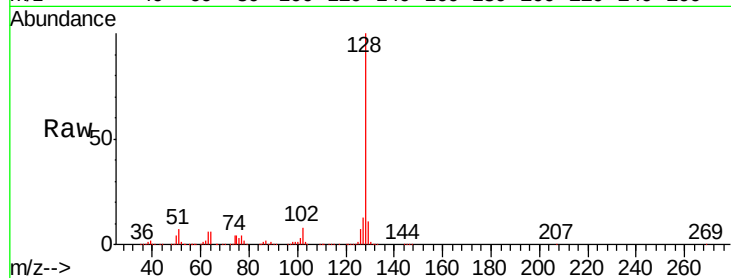
Tgt Ion:128 Resp: 400801

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 10.9 8.6 12.8



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

