

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080618\
 Data File : VF059904.D
 Acq On : 7 Aug 2018 4:25
 Operator : VA/AP
 Sample : J4347-01
 Misc : 4.26g/5mL/MSVOA F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CONCRETE-PILE-1

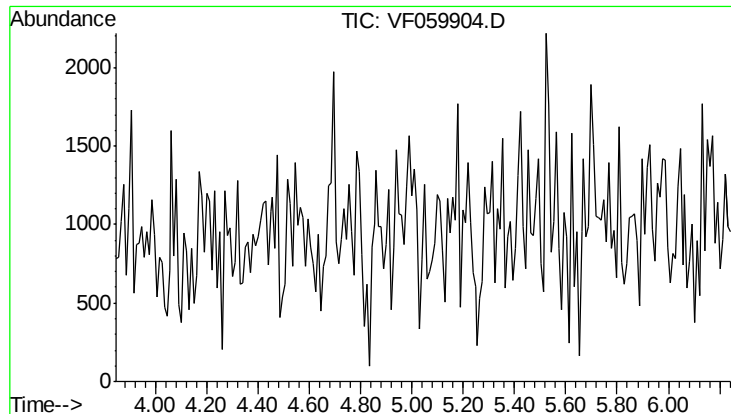
Quant Time: Aug 07 04:48:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-5.04
34) 1,4-Difluorobenzene	5.33	114	84	50.00	ug/l	-0.45
63) Chlorobenzene-d5	9.10	117	71	50.00	ug/l	-0.82
72) 1,4-Dichlorobenzene-d4	12.79	152	60	50.00	ug/l	0.15

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.94	65	83	0.00	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.13	98	73	41.05	ug/l	-0.59
Spiked Amount	50.000		Recovery	=	82.10%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	3.98	43	92	220.53	ug/l #	1
39) Methylcyclohexane	5.17	83	61	83.72	ug/l #	40
40) Benzene	4.48	78	98	59.44	ug/l #	49
41) Methacrylonitrile	4.63	41	76	345.20	ug/l #	17
43) Isopropyl Acetate	6.62	43	184	428.34	ug/l #	51
45) 1,2-Dichloropropane	5.95	63	89	199.61	ug/l #	50
46) Dibromomethane	5.85	93	65	144.48	ug/l #	3
48) Methyl methacrylate	6.30	41	63	188.51	ug/l #	12
49) 1,4-Dioxane	6.23	88	61	23443.89	ug/l #	16
51) 4-Methyl-2-Pentanone	7.79	43	102	232.24	ug/l #	43
54) cis-1,3-Dichloropropene	6.98	75	130	134.57	ug/l #	14
58) 2-Chloroethyl Vinyl ether	7.25	63	85	1454.42	ug/l	100
59) 2-Hexanone	8.96	43	72	232.07	ug/l #	34
60) Dibromochloromethane	8.15	129	65	78.43	ug/l #	13
64) Tetrachloroethene	8.13	164	70	114.29	ug/l #	1
69) o-Xylene	10.80	106	143	155.54	ug/l #	1
74) N-amyl acetate	11.46	43	159	164.71	ug/l #	48
76) 1,2,3-Trichloropropane	11.83	75	122	202.44	ug/l #	61
78) n-propylbenzene	11.68	91	61	13.82	ug/l #	55
79) 2-Chlorotoluene	11.68	91	61	21.85	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.86	105	72	20.75	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.83	75	122	563.60	ug/l #	40
82) 4-Chlorotoluene	12.00	91	60	19.79	ug/l #	43
83) tert-Butylbenzene	12.09	119	76	22.50	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.29	105	64	17.93	ug/l #	34
85) sec-Butylbenzene	12.29	105	64	14.26	ug/l #	59
89) n-Butylbenzene	12.92	91	60	16.69	ug/l #	31
91) 1,2-Dichlorobenzene	13.14	146	145	78.25	ug/l #	22

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



#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.04 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Tot Ion: 168

Sig Exp Ratio

168 100

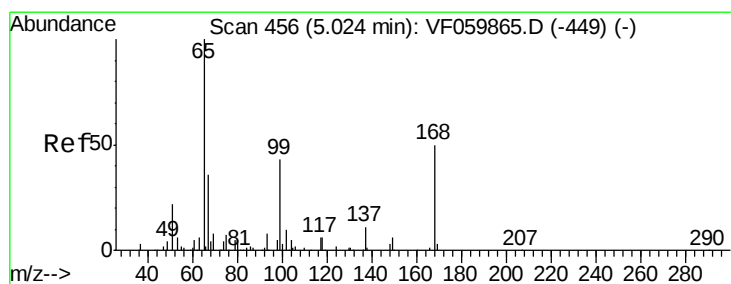
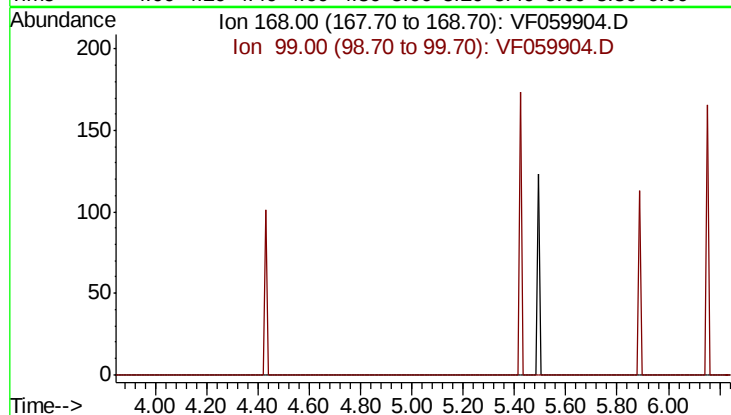
99 82.9

Instrument :

MSVOA_F

ClientSampleId :

CONCRETE-PILE-1



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.08 min

Lab File: VF059904.D

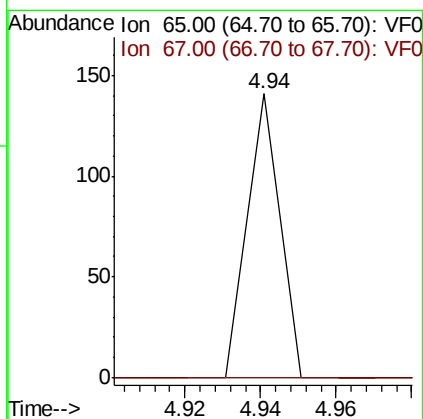
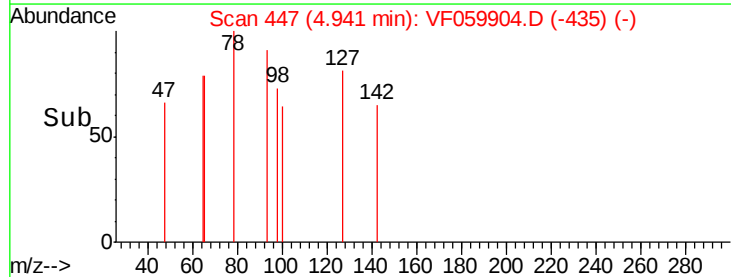
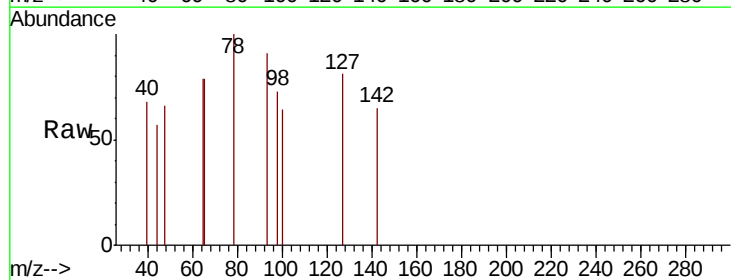
Acq: 7 Aug 2018 4:25

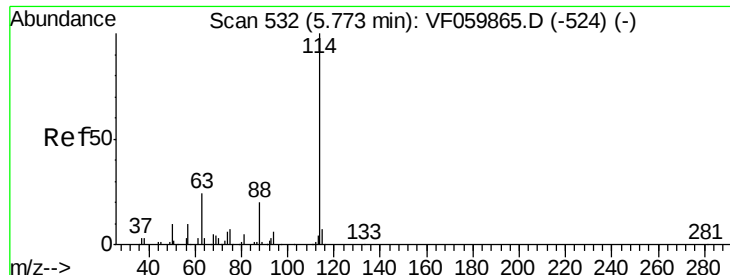
Tgt Ion: 65 Resp: 83

Ion Ratio Lower Upper

65 100

67 0.0 0.0 77.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.33 min Scan# 486

Delta R.T. -0.45 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

CONCRETE-PILE-1

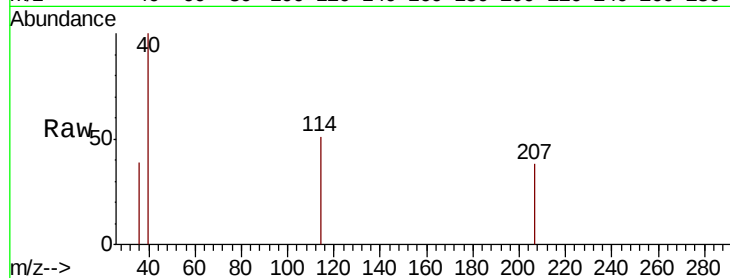
Tot Ion:114 Resp: 84

Ion Ratio Lower Upper

114 100

63 0.0 0.0 48.0

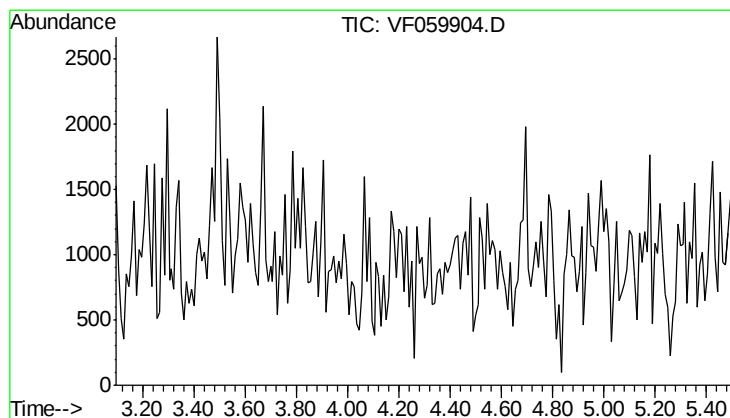
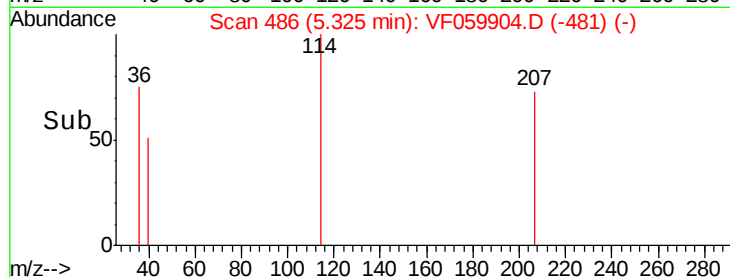
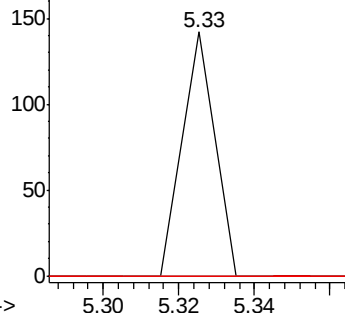
88 0.0 0.0 39.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 4.29 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

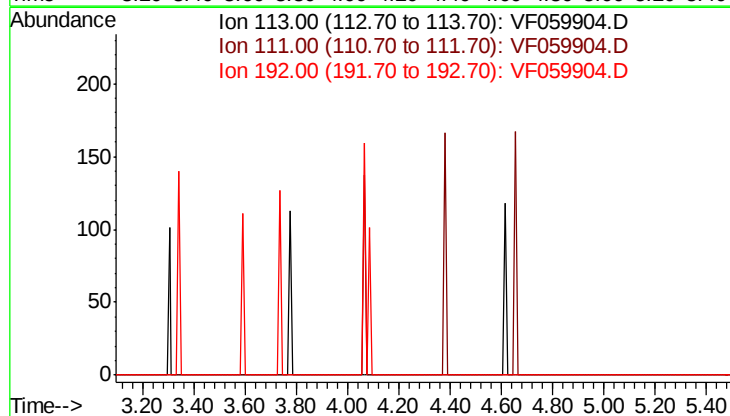
Tgt Ion: 113

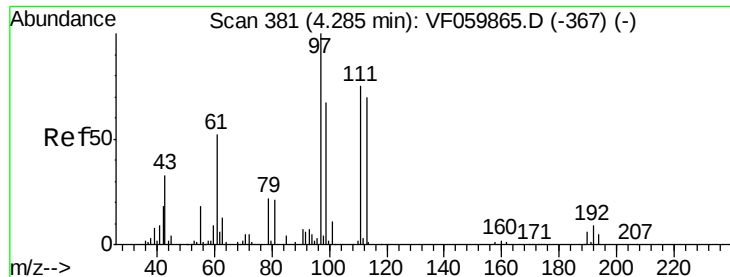
Sig Exp Ratio

113 100

111 102.3

192 15.5

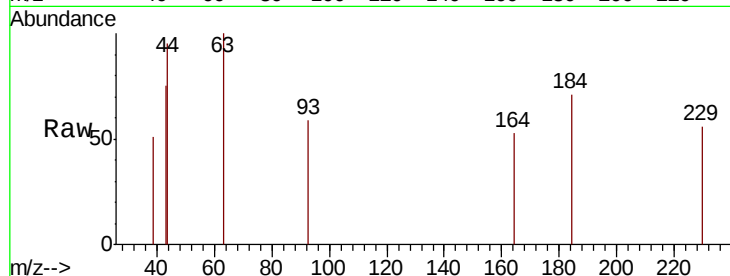




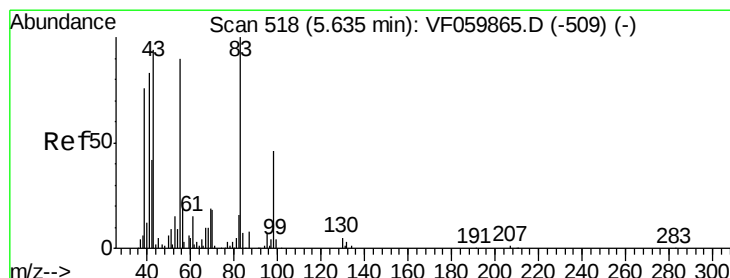
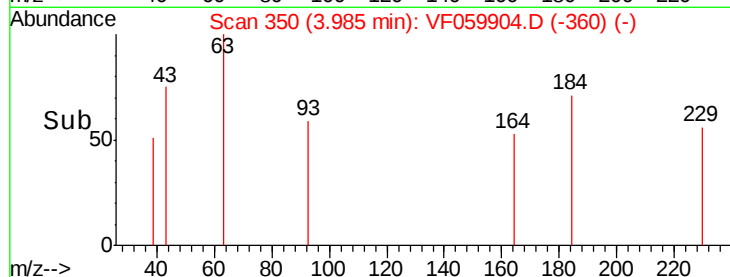
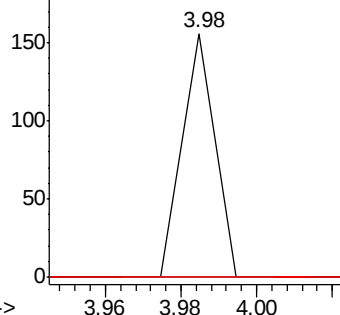
#37
Ethyl Acetate
Concen: 220.53 ug/l
RT: 3.98 min Scan# 350
Delta R.T. -0.30 min
Lab File: VF059904.D
Acq: 7 Aug 2018 4:25

Instrument :
MSVOA_F
ClientSampleId :
CONCRETE-PILE-1

Tot Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
61 0.0 123.7 185.5#
70 0.0 7.8 11.8#

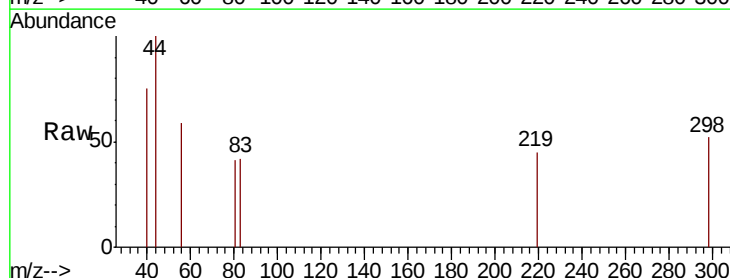


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

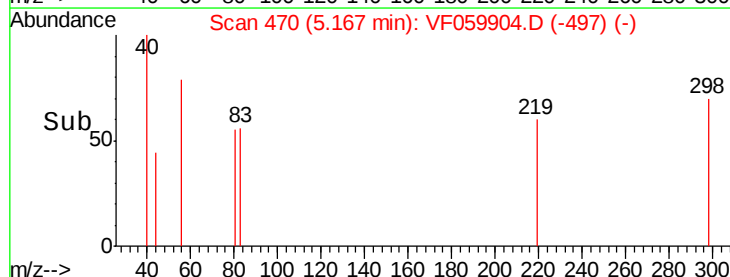
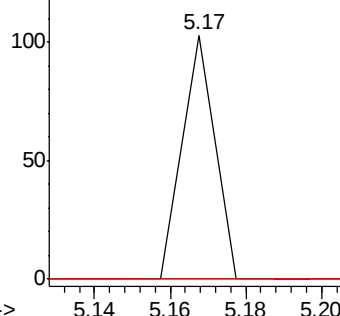


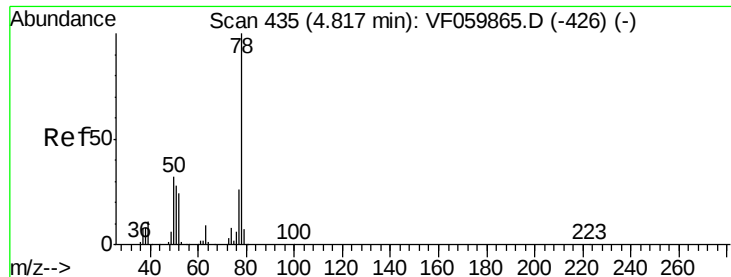
#39
Methylcyclohexane
Concen: 83.72 ug/l
RT: 5.17 min Scan# 470
Delta R.T. -0.47 min
Lab File: VF059904.D
Acq: 7 Aug 2018 4:25

Tgt Ion: 83 Resp: 61
Ion Ratio Lower Upper
83 100
55 141.7 72.0 108.0#
98 0.0 36.6 54.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 59.44 ug/l

RT: 4.48 min Scan# 400

Delta R.T. -0.34 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

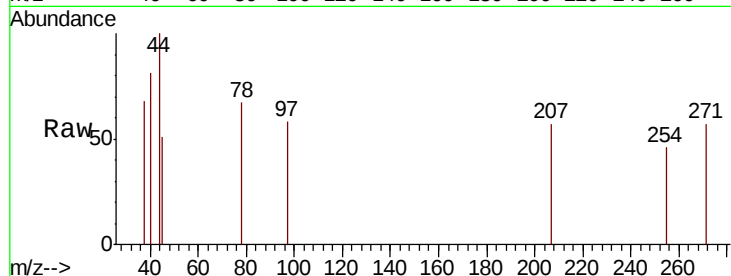
CONCRETE-PILE-1

Tot Ion: 78 Resp: 98

Ion Ratio Lower Upper

78 100

77 0.0 20.7 31.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.48

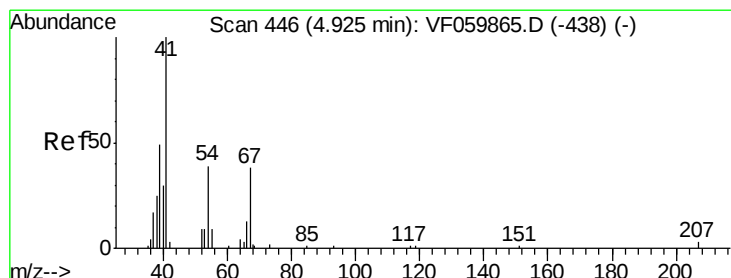
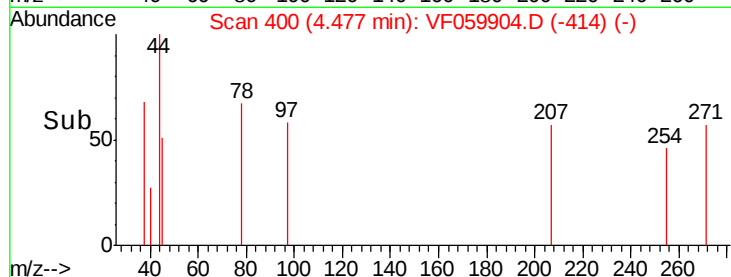
150

100

50

0

Time-->



#41

Methacrylonitrile

Concen: 345.20 ug/l

RT: 4.63 min Scan# 415

Delta R.T. -0.30 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Tgt Ion: 41 Resp: 76

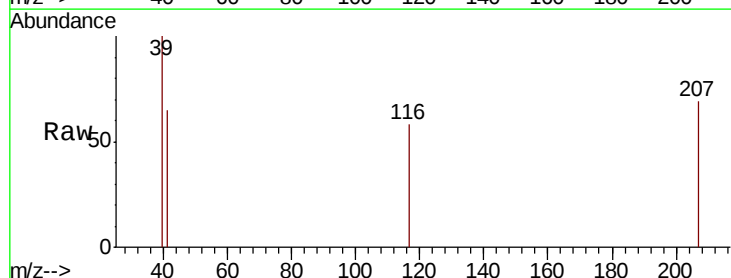
Ion Ratio Lower Upper

41 100

39 153.1 55.1 82.7#

67 0.0 30.3 45.5#

52 0.0 36.0 54.0#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

300

250

200

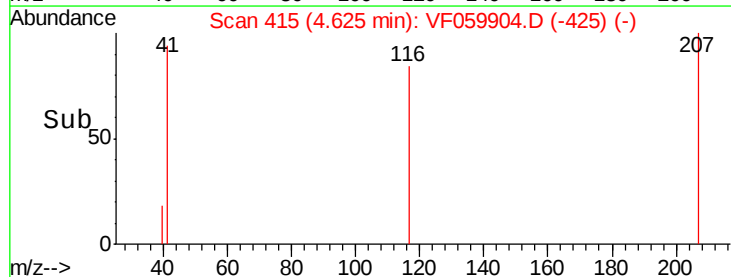
150

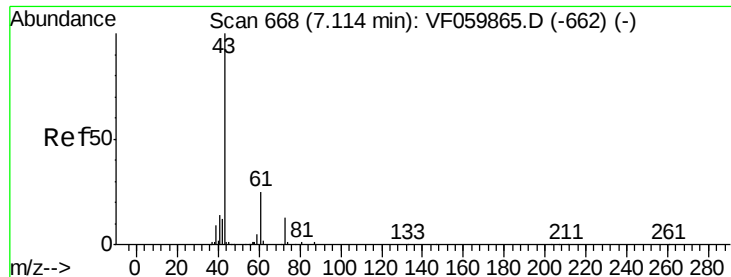
100

50

0

Time-->





#43

Isopropyl Acetate

Concen: 428.34 ug/l

RT: 6.62 min Scan# 617

Delta R.T. -0.50 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

CONCRETE-PILE-1

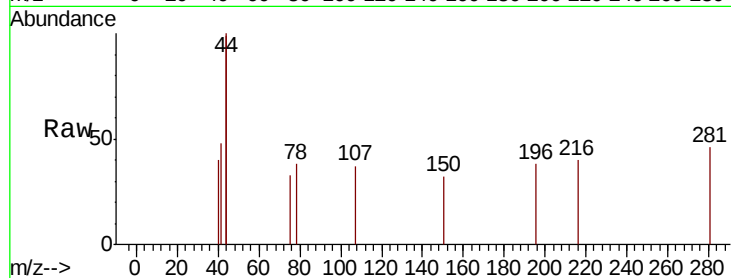
Tot Ion: 43 Resp: 184

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

87 0.0 0.7 1.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

6.62

300

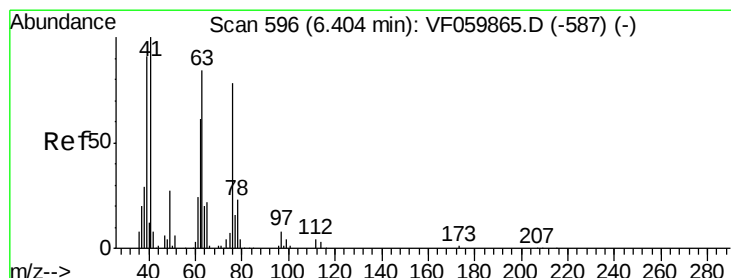
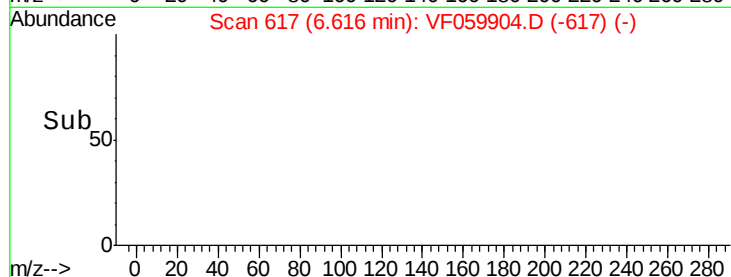
200

100

0

6.58 6.60 6.62 6.64

Time-->



#45

1,2-Dichloropropane

Concen: 199.61 ug/l

RT: 5.95 min Scan# 549

Delta R.T. -0.46 min

Lab File: VF059904.D

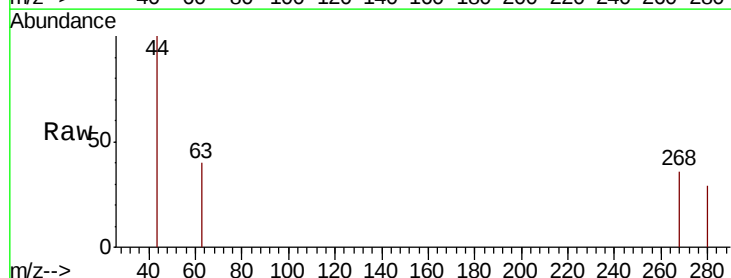
Acq: 7 Aug 2018 4:25

Tgt Ion: 63 Resp: 89

Ion Ratio Lower Upper

63 100

65 0.0 20.4 30.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

5.95

150

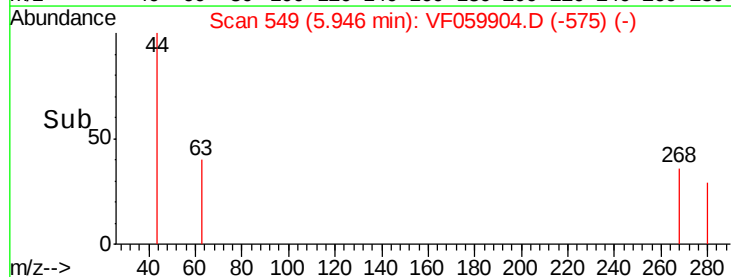
100

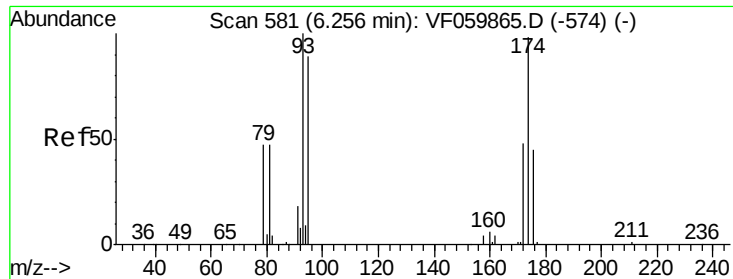
50

0

5.92 5.94 5.96 5.98

Time-->





#46

Dibromomethane

Concen: 144.48 ug/l

RT: 5.85 min Scan# 539

Delta R.T. -0.41 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

CONCRETE-PILE-1

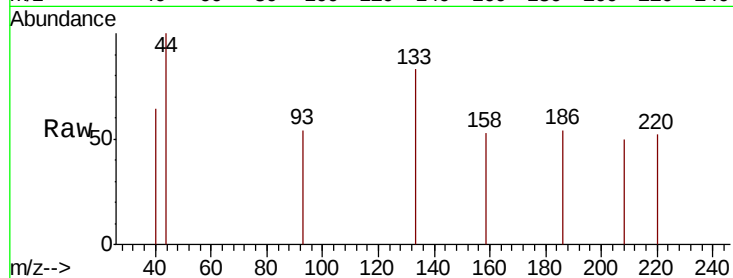
Tot Ion: 93 Resp: 65

Ion Ratio Lower Upper

93 100

95 0.0 71.4 107.2#

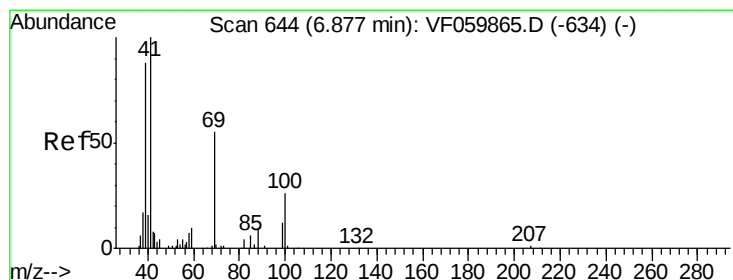
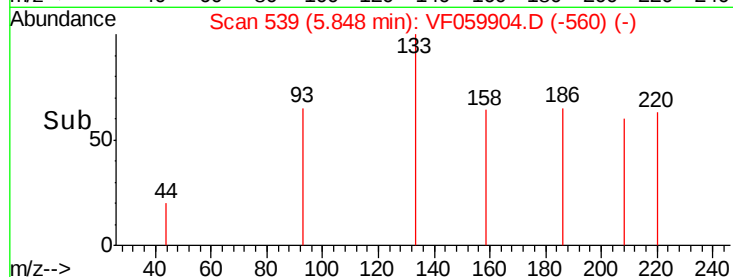
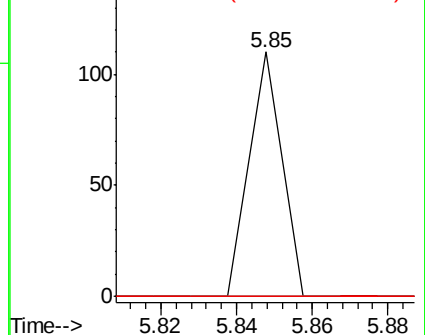
174 0.0 78.1 117.1#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#48

Methyl methacrylate

Concen: 188.51 ug/l

RT: 6.30 min Scan# 585

Delta R.T. -0.58 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

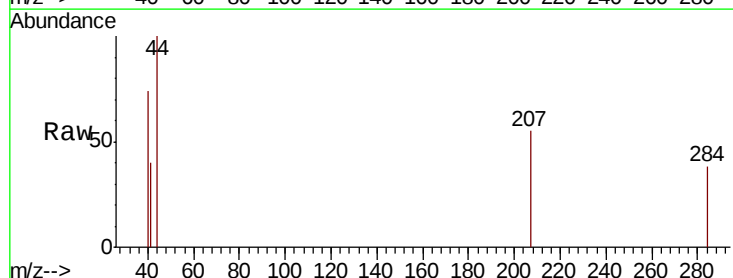
Tgt Ion: 41 Resp: 63

Ion Ratio Lower Upper

41 100

69 0.0 44.4 66.6#

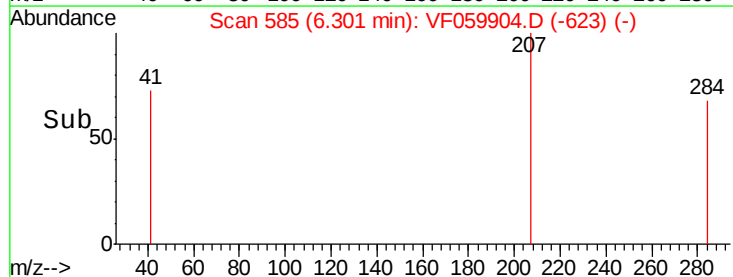
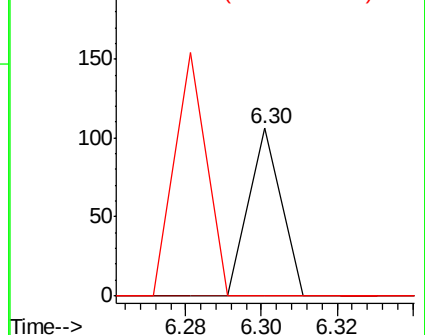
39 0.0 70.6 106.0#

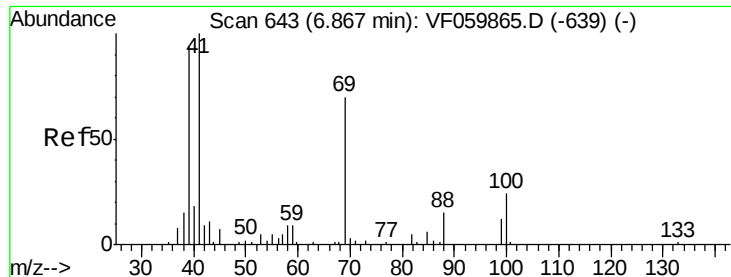


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 23443.89 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.63 min

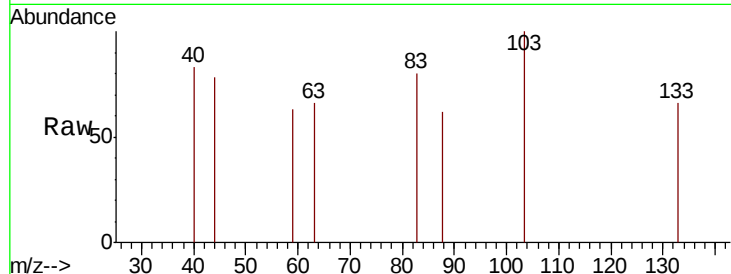
Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

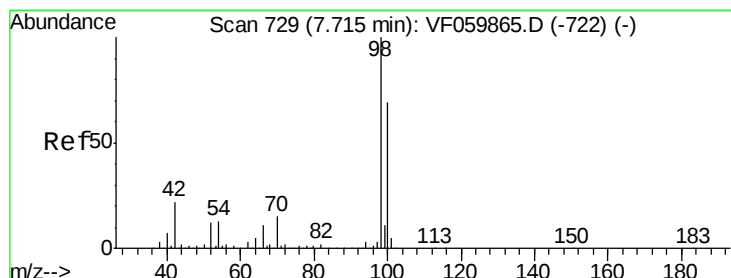
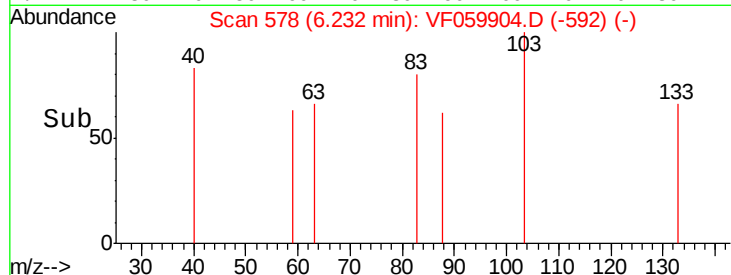
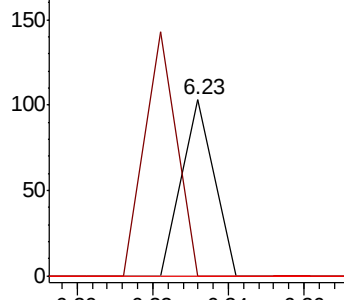
Instrument :
MSVOA_F
ClientSampleId :
CONCRETE-PILE-1

Tot Ion: 88 Resp: 61

Ion	Ratio	Lower	Upper
88	100		
43	0.0	58.3	87.5#
58	0.0	49.4	74.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 41.05 ug/l

RT: 7.13 min Scan# 669

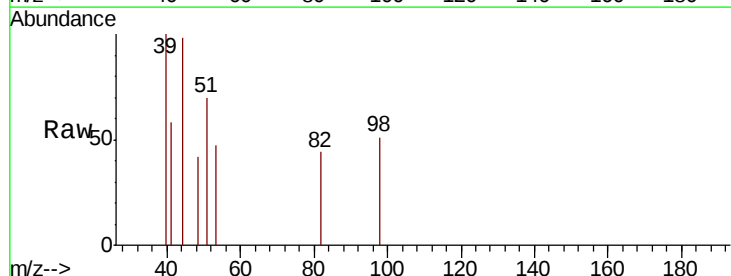
Delta R.T. -0.59 min

Lab File: VF059904.D

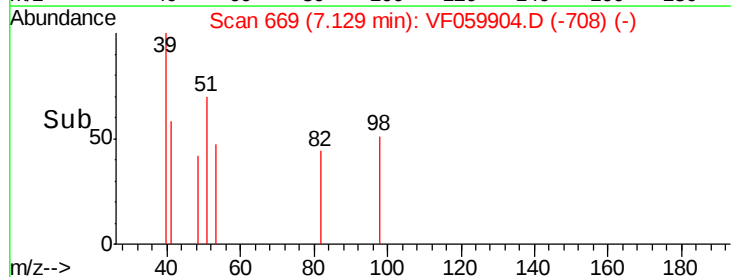
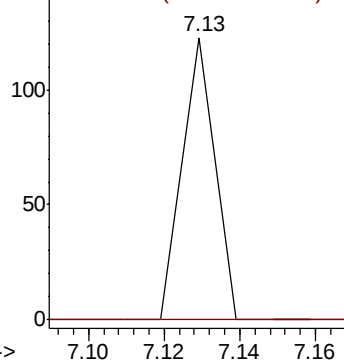
Acq: 7 Aug 2018 4:25

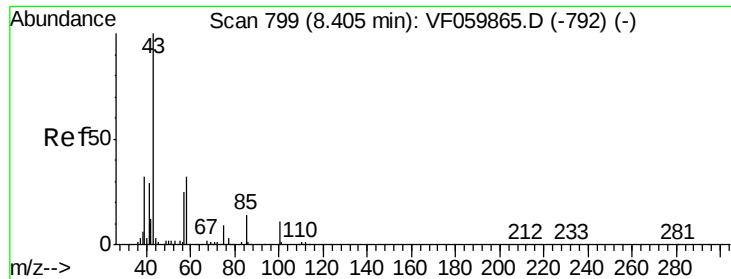
Tgt Ion: 98 Resp: 73

Ion	Ratio	Lower	Upper
98	100		
100	0.0	55.0	82.6#



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 232.24 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.62 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

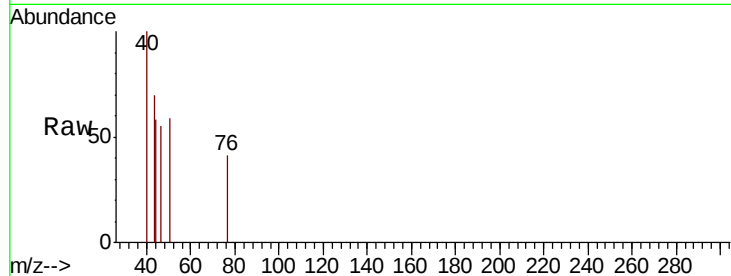
CONCRETE-PILE-1

Tot Ion: 43 Resp: 102

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

7.79

150

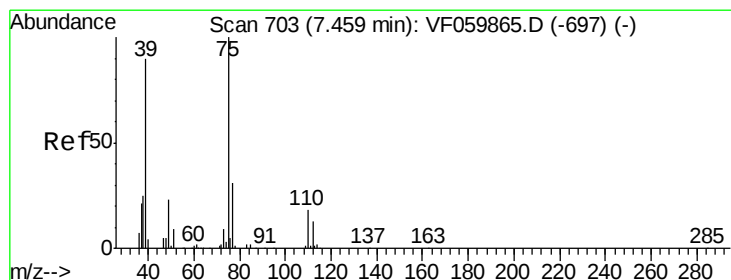
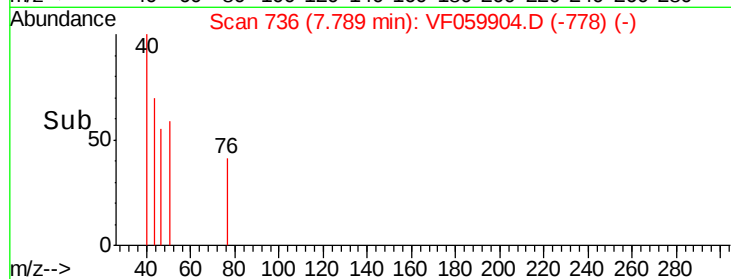
100

50

0

7.76 7.78 7.80 7.82

Time-->



#54

cis-1,3-Dichloropropene

Concen: 134.57 ug/l

RT: 6.98 min Scan# 654

Delta R.T. -0.48 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

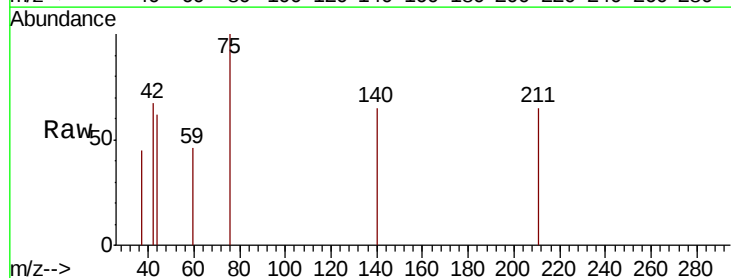
Tgt Ion: 75 Resp: 130

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

39 0.0 72.0 108.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

300

250

200

150

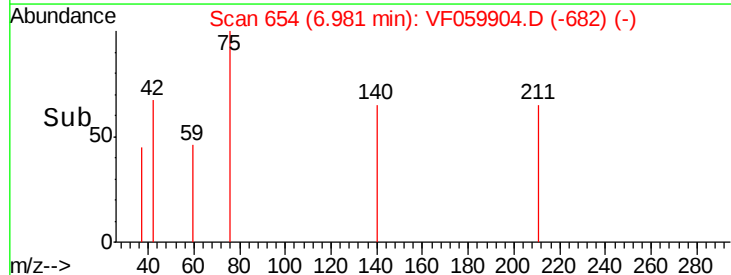
100

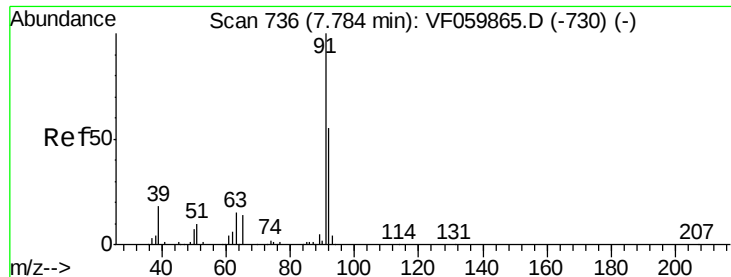
50

0

6.96 6.98 7.00

Time-->

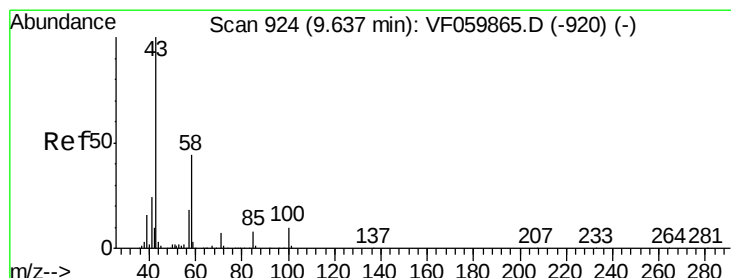
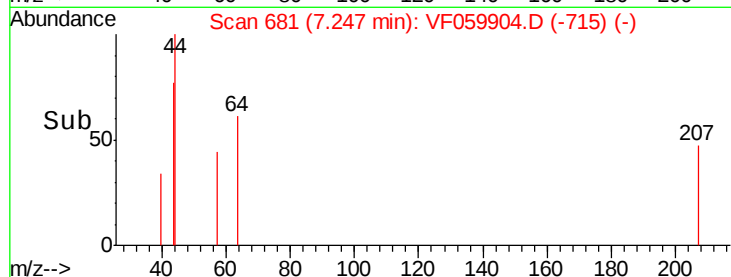
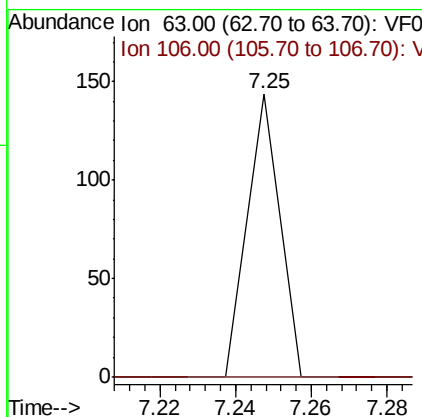
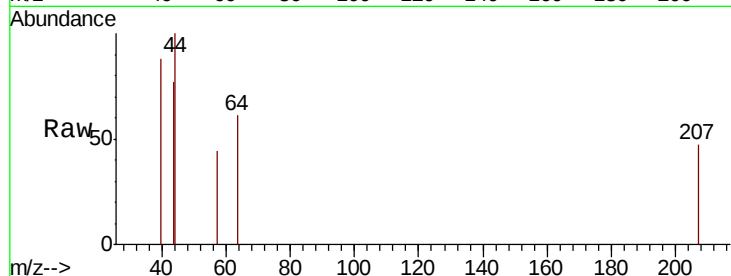




#58
 2-Chloroethyl Vinyl ether
 Concen: 1454.42 ug/l
 RT: 7.25 min Scan# 681
 Delta R.T. -0.54 min
 Lab File: VF059904.D
 Acq: 7 Aug 2018 4:25

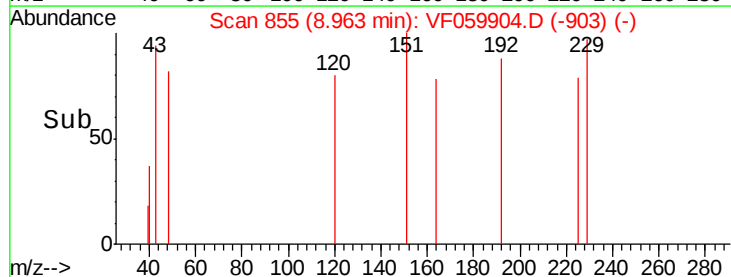
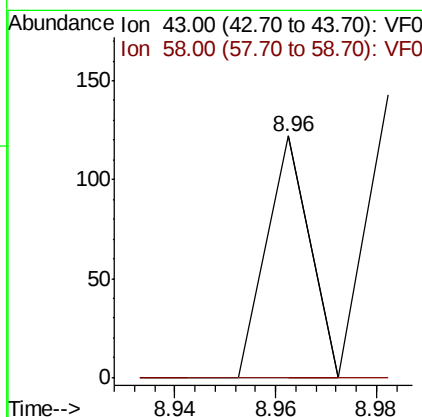
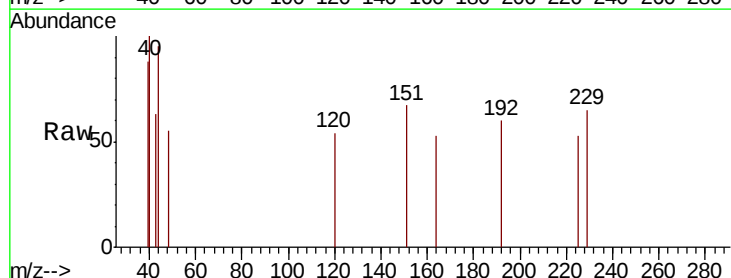
Instrument :
 MSVOA_F
 ClientSampleId :
 CONCRETE-PILE-1

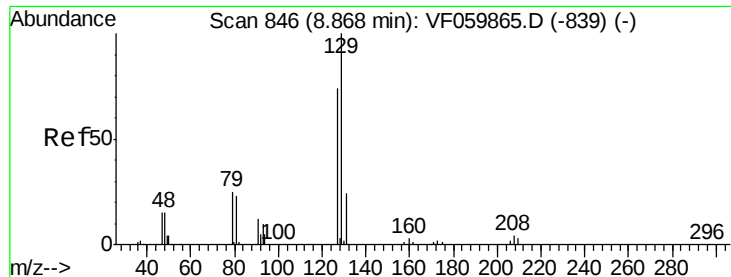
Tot Ion: 63 Resp: 85
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 232.07 ug/l
 RT: 8.96 min Scan# 855
 Delta R.T. -0.67 min
 Lab File: VF059904.D
 Acq: 7 Aug 2018 4:25

Tgt Ion: 43 Resp: 72
 Ion Ratio Lower Upper
 43 100
 58 0.0 20.8 62.2#





#60

Dibromochloromethane

Concen: 78.43 ug/l

RT: 8.15 min Scan# 773

Delta R.T. -0.71 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

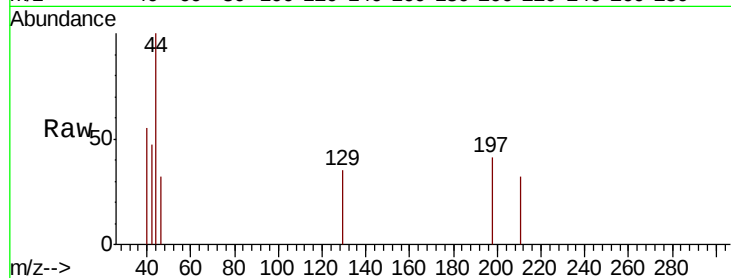
CONCRETE-PILE-1

Tot Ion:129 Resp: 65

Ion Ratio Lower Upper

129 100

127 0.0 36.9 110.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.15

120

100

80

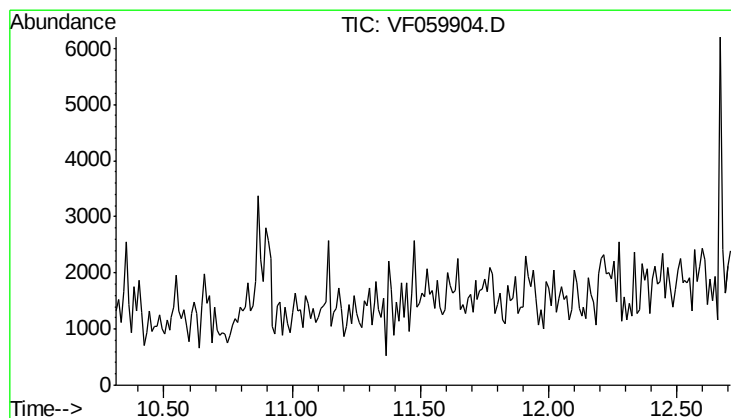
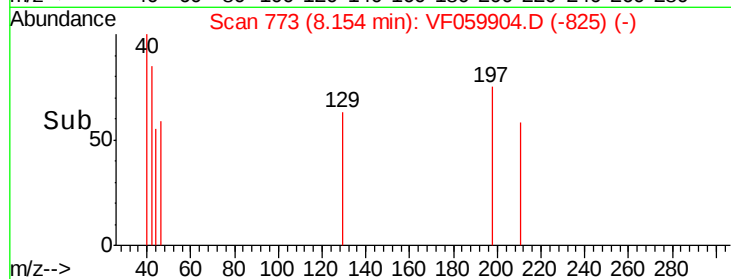
60

40

20

0

Time--> 8.12 8.14 8.16 8.18



#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.51 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

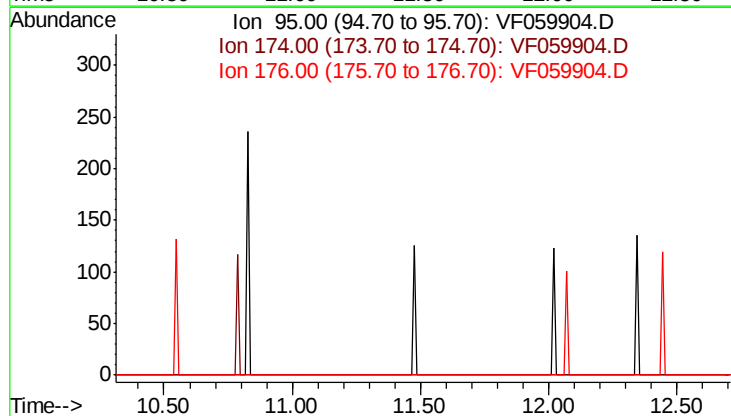
Tgt Ion: 95

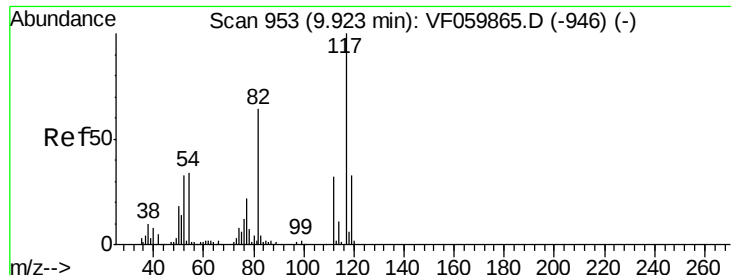
Sig Exp Ratio

95 100

174 75.8

176 74.9

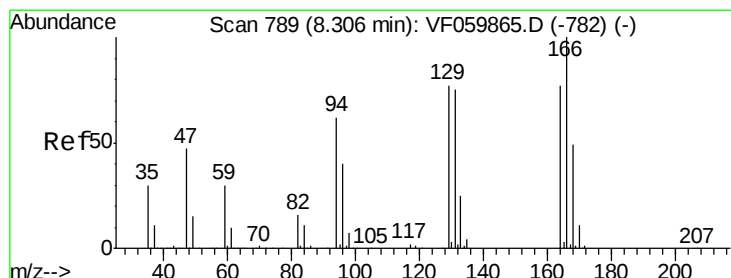
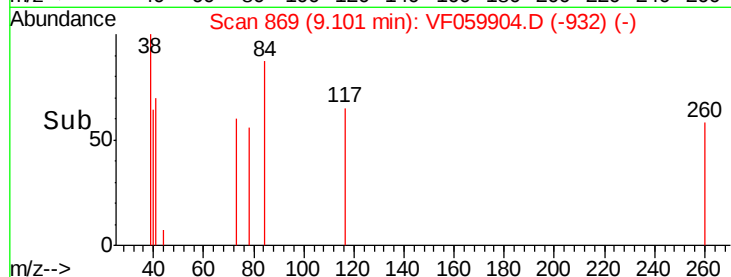
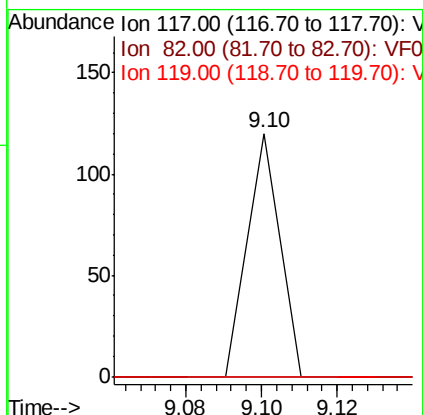
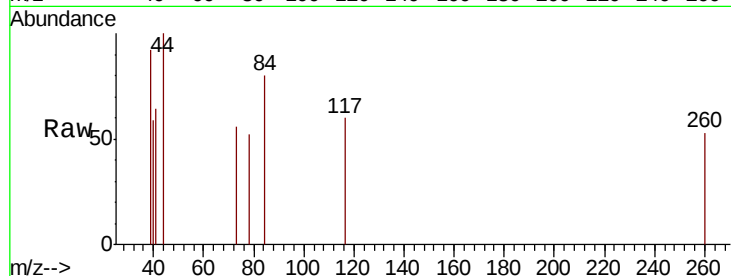




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.10 min Scan# 869
Delta R.T. -0.82 min
Lab File: VF059904.D
Acq: 7 Aug 2018 4:25

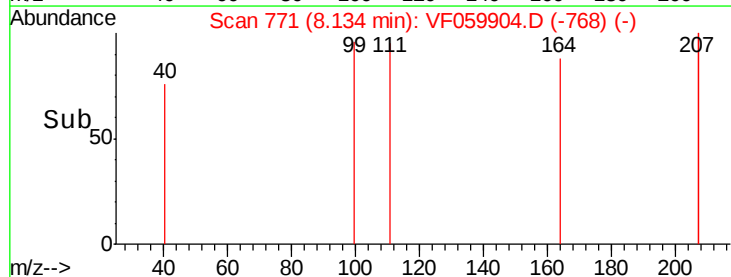
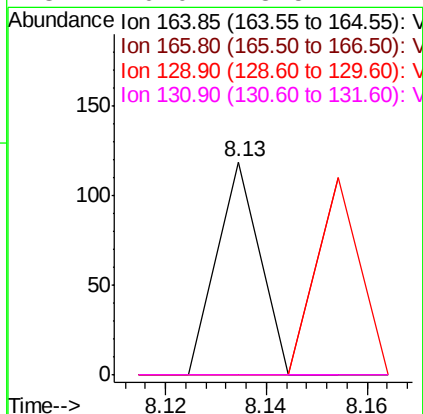
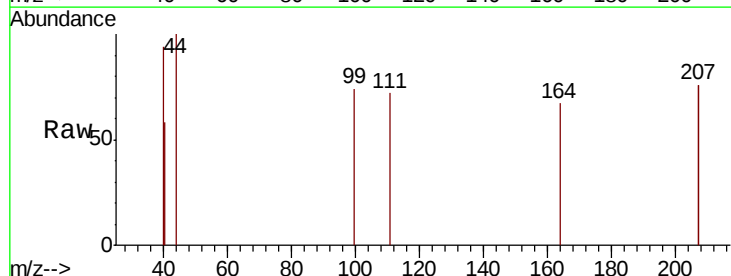
Instrument :
MSVOA_F
ClientSampleId :
CONCRETE-PILE-1

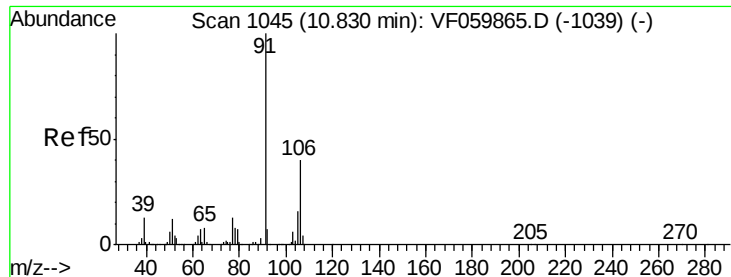
Tot Ion:117 Resp: 71
Ion Ratio Lower Upper
117 100
82 0.0 51.3 76.9#
119 0.0 26.4 39.6#



#64
Tetrachloroethene
Concen: 114.29 ug/l
RT: 8.13 min Scan# 771
Delta R.T. -0.17 min
Lab File: VF059904.D
Acq: 7 Aug 2018 4:25

Tgt Ion:164 Resp: 70
Ion Ratio Lower Upper
164 100
166 0.0 104.4 156.6#
129 0.0 80.3 120.5#
131 0.0 78.5 117.7#

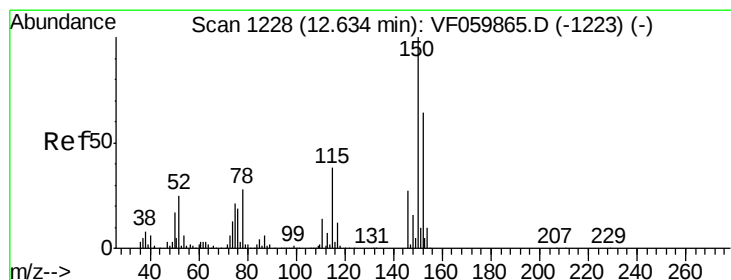
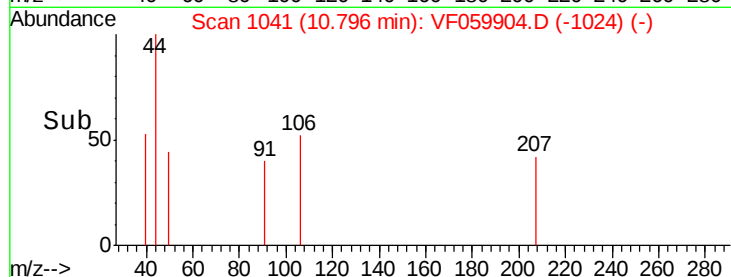
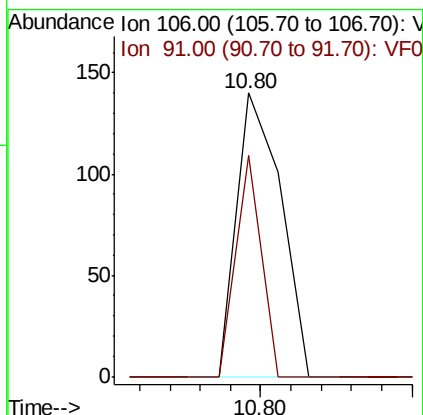
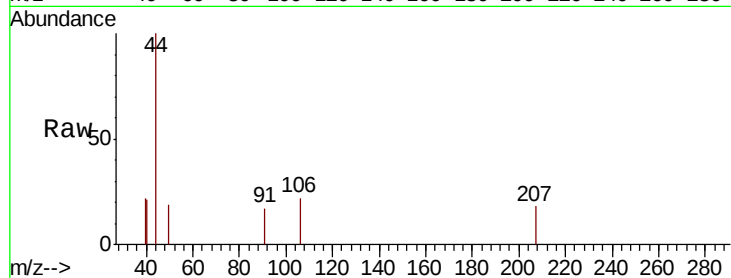




#69
o-Xylene
Concen: 155.54 ug/l
RT: 10.80 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VF059904.D
Acq: 7 Aug 2018 4:25

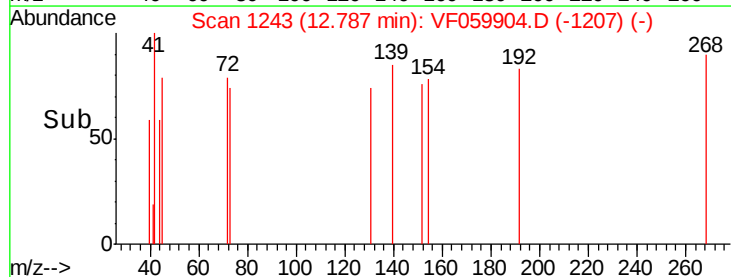
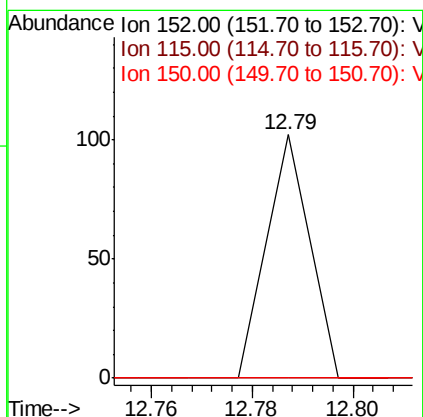
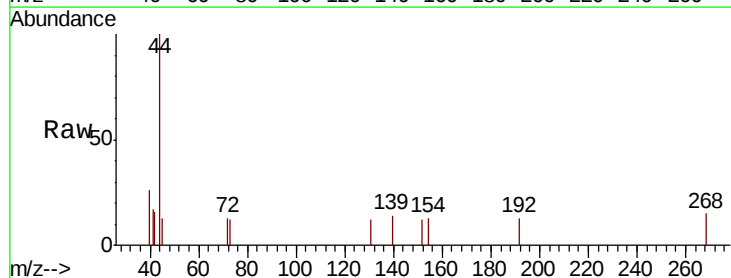
Instrument :
MSVOA_F
ClientSampleId :
CONCRETE-PILE-1

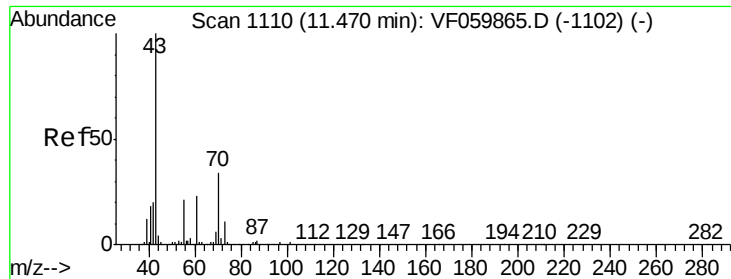
Tot Ion:106 Resp: 143
Ion Ratio Lower Upper
106 100
91 77.9 125.4 376.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.79 min Scan# 1243
Delta R.T. 0.15 min
Lab File: VF059904.D
Acq: 7 Aug 2018 4:25

Tgt Ion:152 Resp: 60
Ion Ratio Lower Upper
152 100
115 0.0 29.8 89.4#
150 0.0 0.0 315.6





#74

N-amvl acetate

Concen: 164.71 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

CONCRETE-PILE-1

Tot Ion: 43 Resp: 159

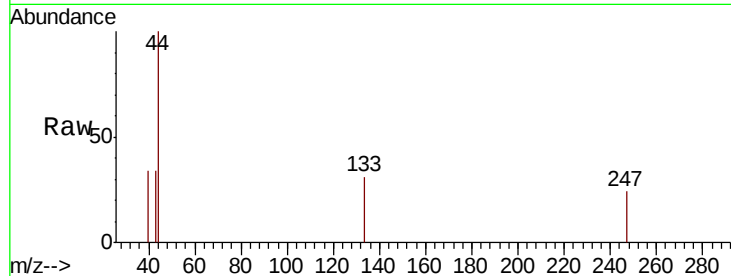
Ion Ratio Lower Upper

43 100

70 0.0 27.5 41.3#

55 0.0 16.6 25.0#

61 0.0 18.2 27.4#

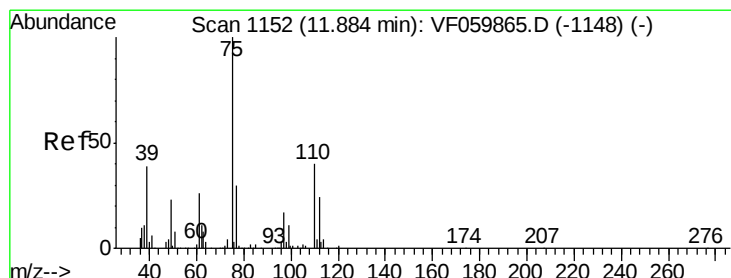
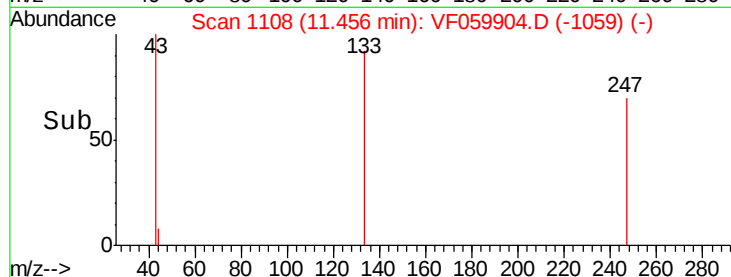
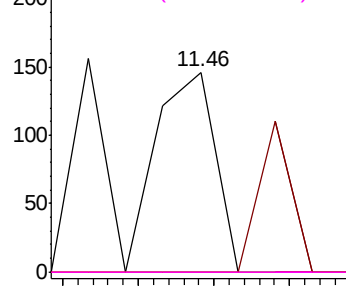


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 202.44 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.05 min

Lab File: VF059904.D

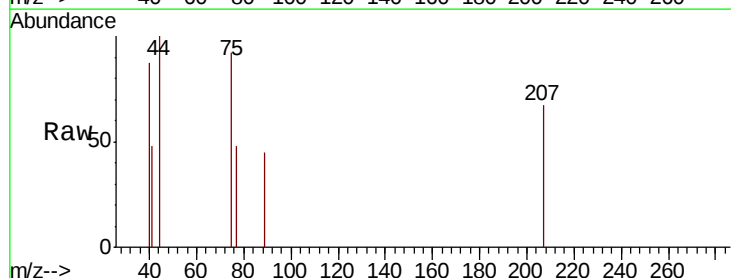
Acq: 7 Aug 2018 4:25

Tgt Ion: 75 Resp: 122

Ion Ratio Lower Upper

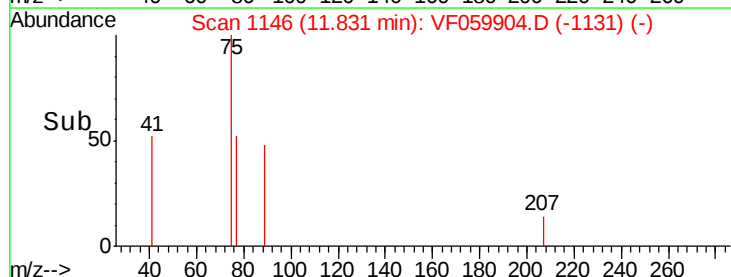
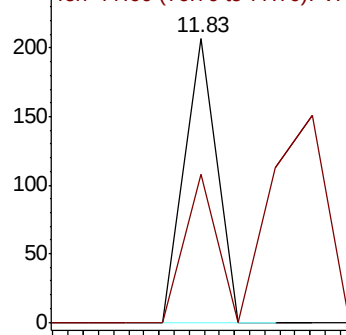
75 100

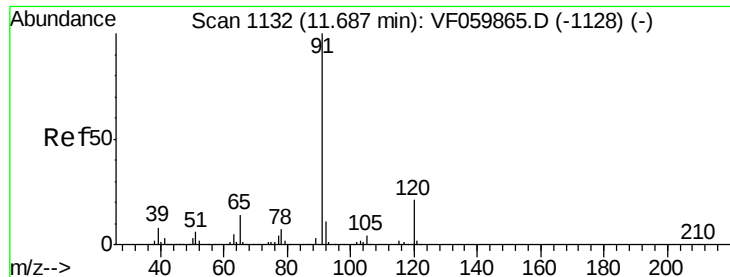
77 52.2 15.4 46.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 13.82 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

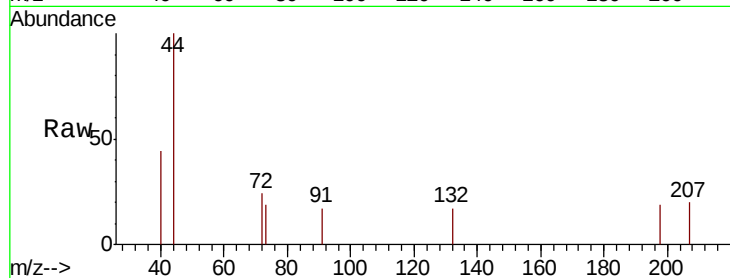
CONCRETE-PILE-1

Tot Ion: 91 Resp: 61

Ion Ratio Lower Upper

91 100

120 0.0 10.4 31.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.68

100

80

60

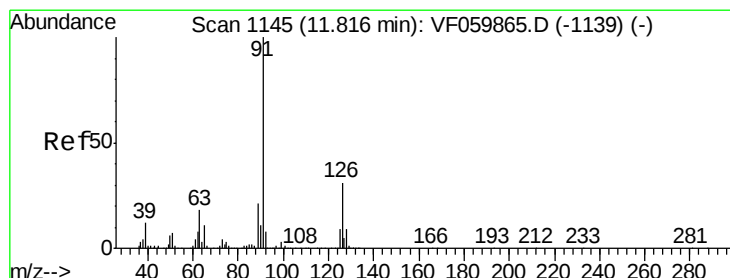
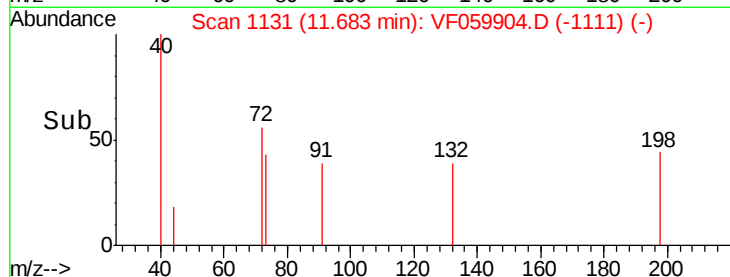
40

20

0

11.66 11.68 11.70

Time-->



#79

2-Chlorotoluene

Concen: 21.85 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.13 min

Lab File: VF059904.D

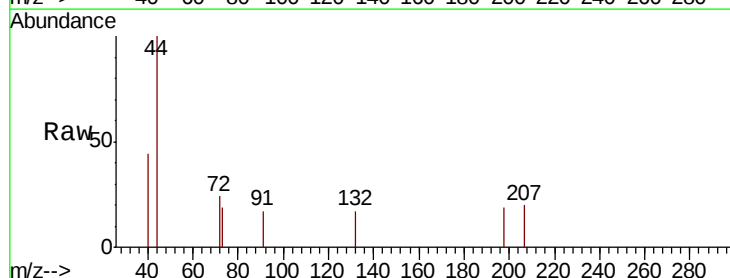
Acq: 7 Aug 2018 4:25

Tgt Ion: 91 Resp: 61

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.68

100

80

60

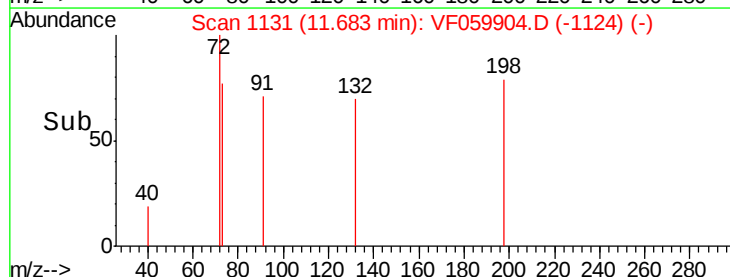
40

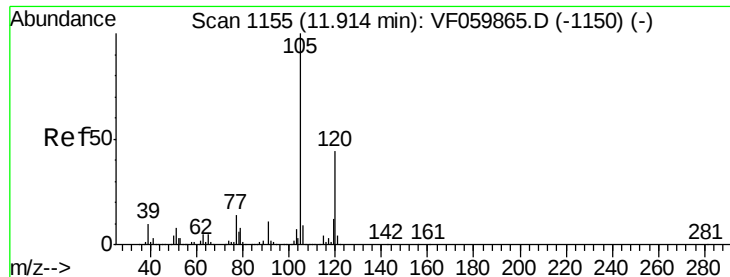
20

0

11.66 11.68 11.70

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 20.75 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.05 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

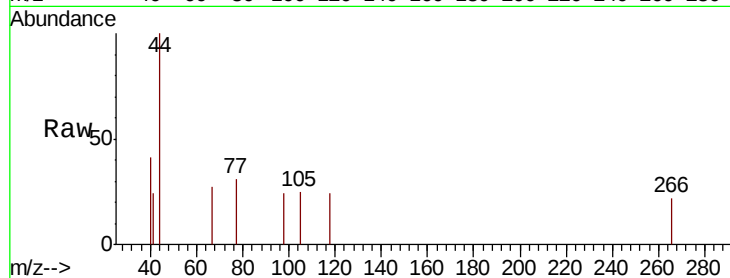
CONCRETE-PILE-1

Tot Ion:105 Resp: 72

Ion Ratio Lower Upper

105 100

120 0.0 21.9 65.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

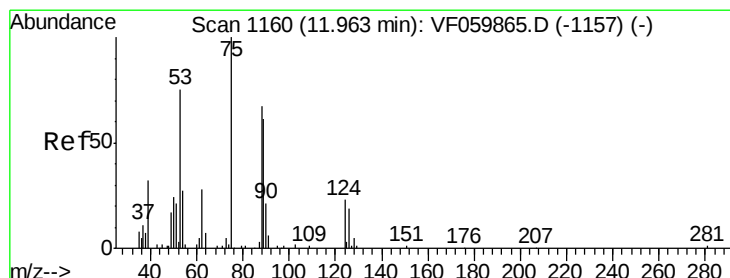
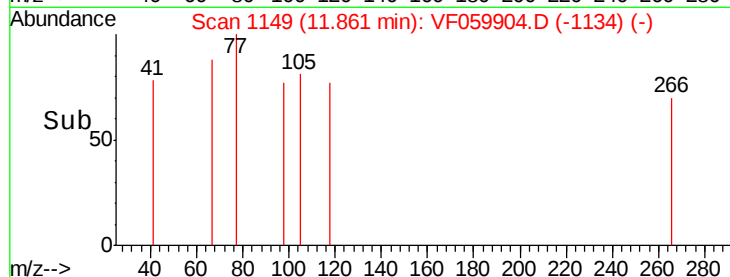
11.86

100

50

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 563.60 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.13 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

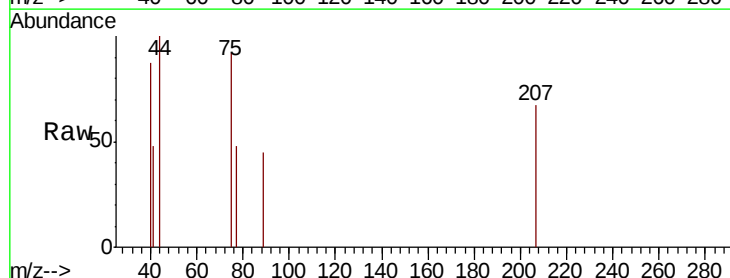
Tgt Ion: 75 Resp: 122

Ion Ratio Lower Upper

75 100

53 0.0 65.9 98.9#

89 48.3 50.6 76.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

250

200

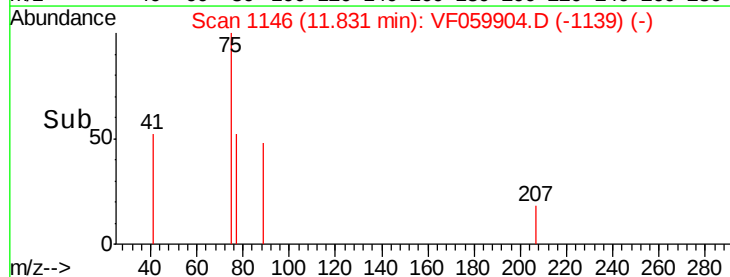
150

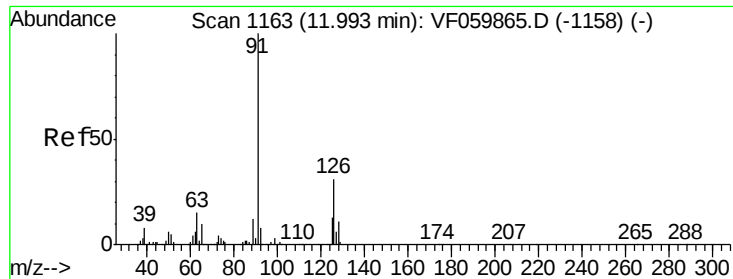
100

50

0

Time-->

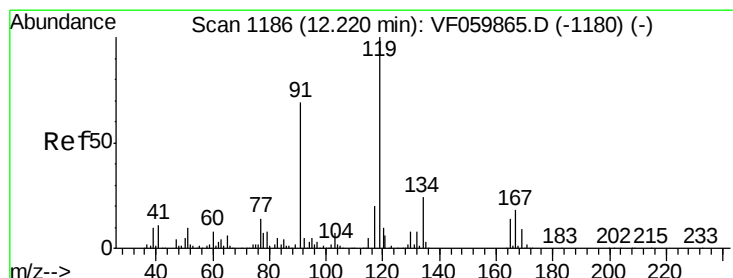
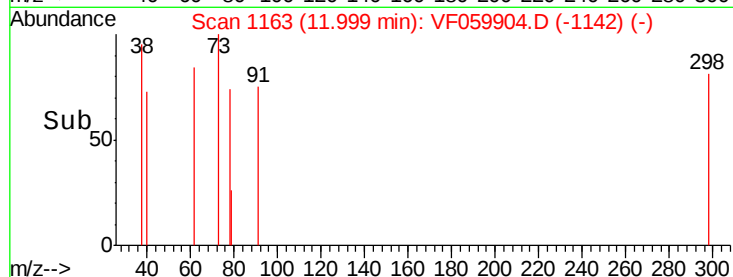
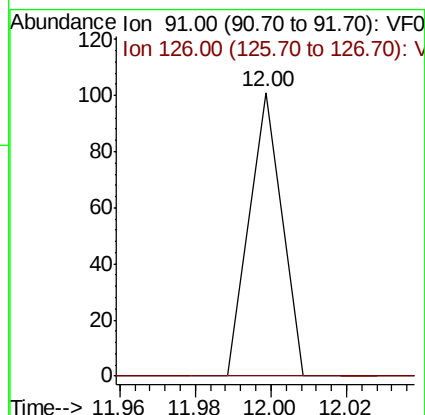
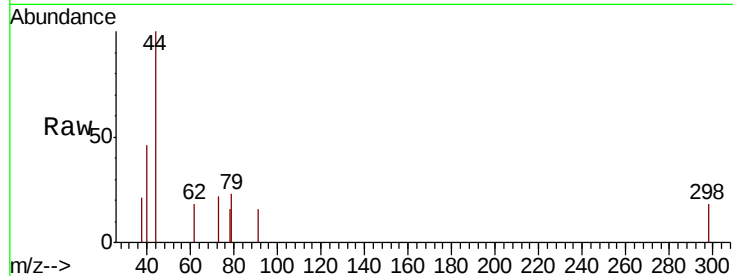




#82
4-Chlorotoluene
Concen: 19.79 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VF059904.D
Acq: 7 Aug 2018 4:25

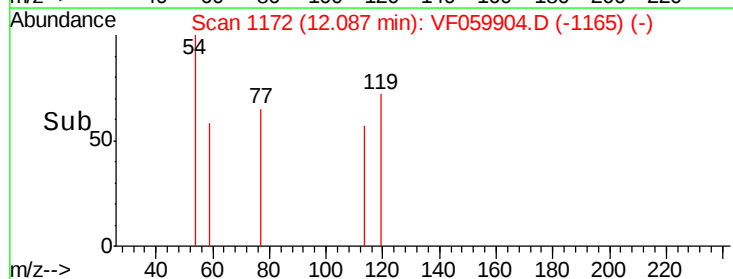
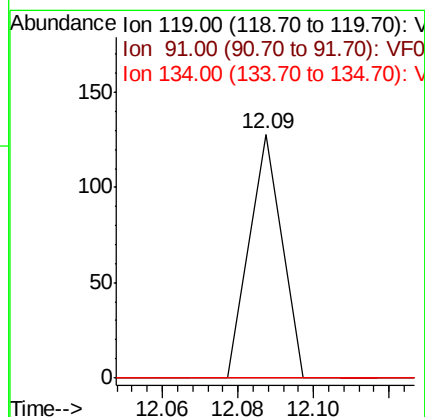
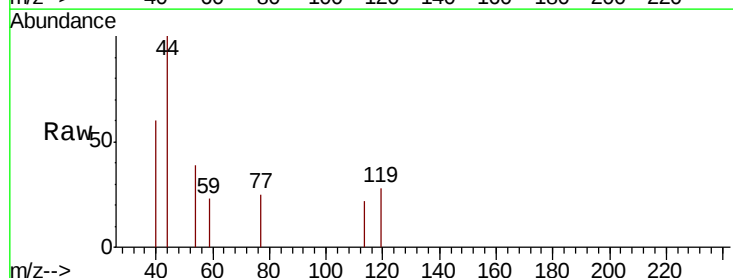
Instrument :
MSVOA_F
ClientSampleId :
CONCRETE-PILE-1

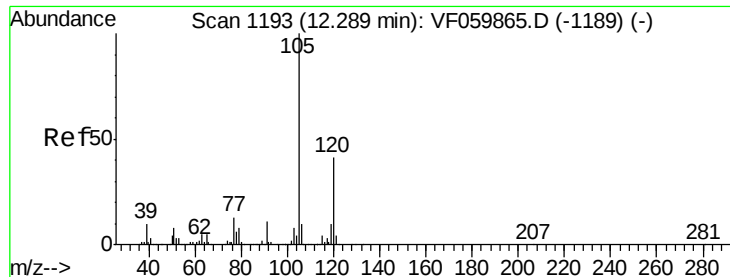
Tot Ion: 91 Resp: 60
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#



#83
tert-Butylbenzene
Concen: 22.50 ug/l
RT: 12.09 min Scan# 1172
Delta R.T. -0.13 min
Lab File: VF059904.D
Acq: 7 Aug 2018 4:25

Tgt Ion: 119 Resp: 76
Ion Ratio Lower Upper
119 100
91 0.0 34.4 103.2#
134 0.0 12.1 36.3#

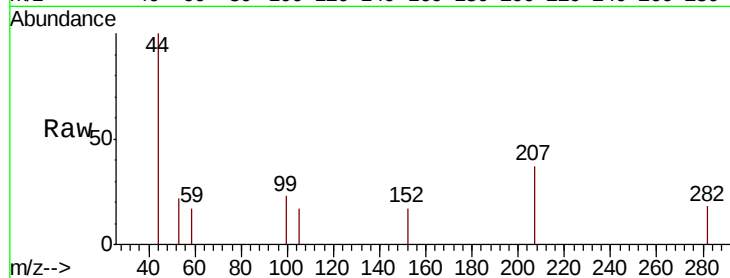




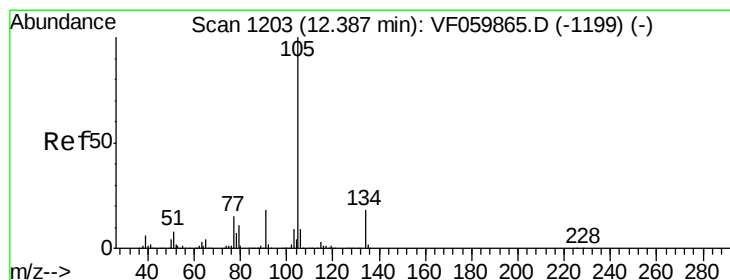
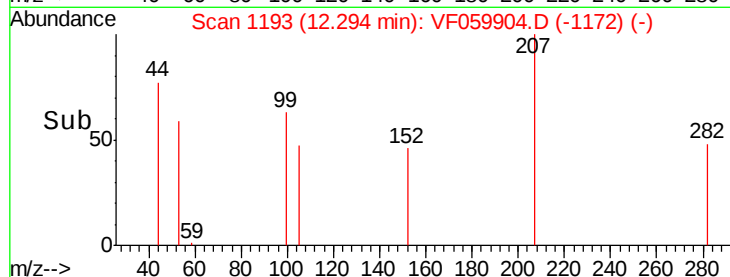
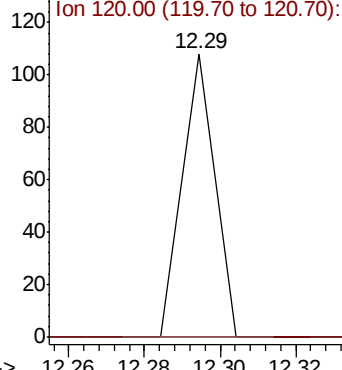
#84
 1,2,4-Trimethylbenzene
 Concen: 17.93 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059904.D
 Acq: 7 Aug 2018 4:25

Instrument :
 MSVOA_F
 ClientSampleId :
 CONCRETE-PILE-1

Tot Ion:105 Resp: 64
 Ion Ratio Lower Upper
 105 100
 120 0.0 20.8 62.5#

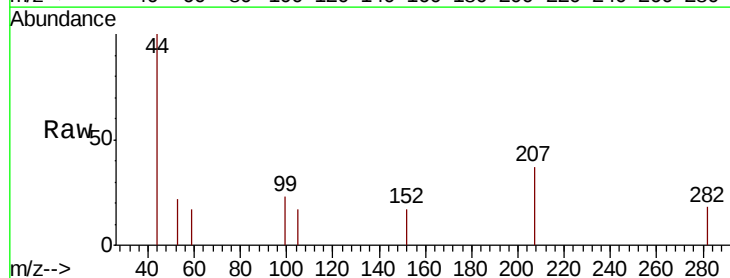


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

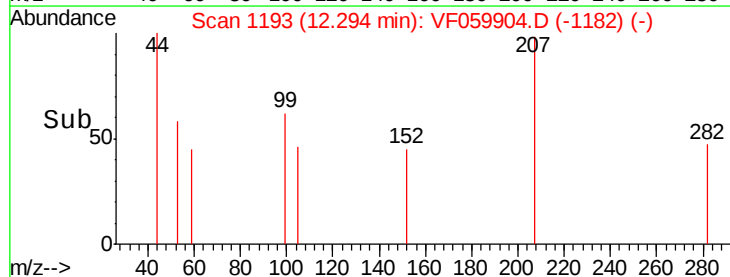
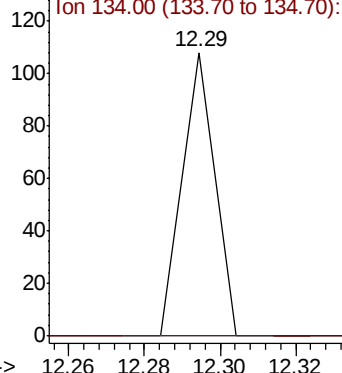


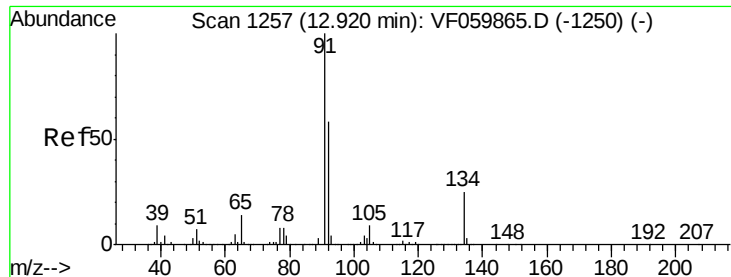
#85
 sec-Butylbenzene
 Concen: 14.26 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.09 min
 Lab File: VF059904.D
 Acq: 7 Aug 2018 4:25

Tgt Ion:105 Resp: 64
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.1 27.3#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 16.69 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

CONCRETE-PILE-1

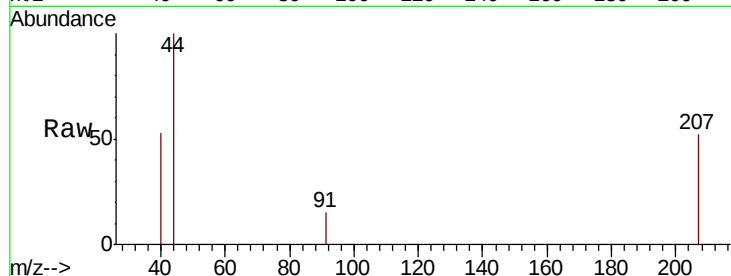
Tot Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

92 0.0 28.8 86.5#

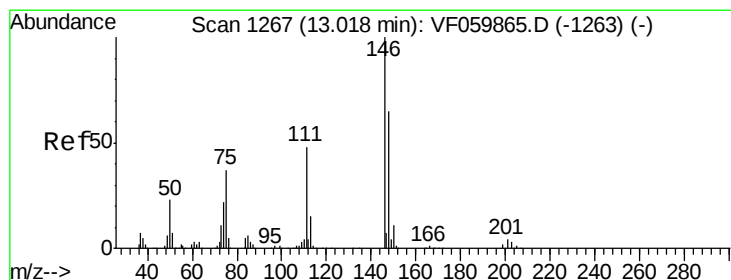
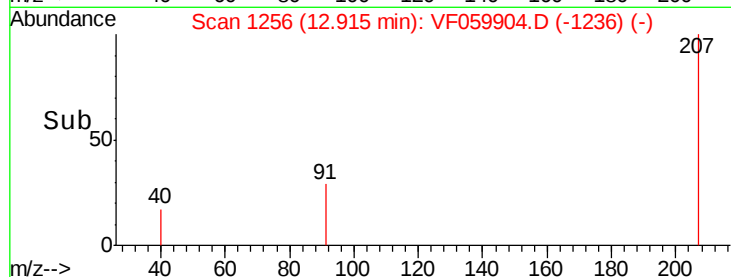
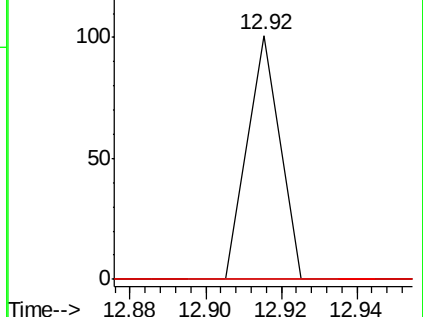
134 0.0 12.6 37.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#91

1,2-Dichlorobenzene

Concen: 78.25 ug/l

RT: 13.14 min Scan# 1279

Delta R.T. 0.12 min

Lab File: VF059904.D

Acq: 7 Aug 2018 4:25

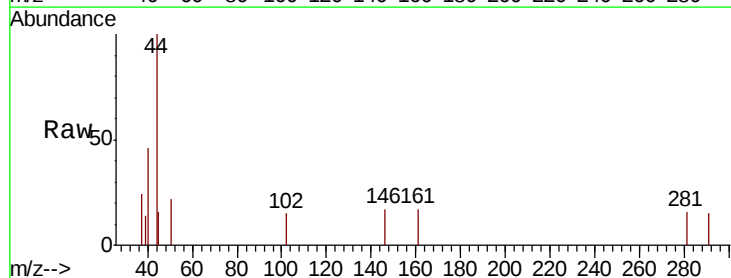
Tgt Ion: 146 Resp: 145

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

148 0.0 32.8 98.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

