

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090518\
 Data File : VW005132.D
 Acq On : 05 Sep 2018 16:37
 Operator : SY/AP
 Sample : J4726-01RE
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-1RE

Quant Time: Sep 05 17:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	20361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	32242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	24791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	8381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13113	77.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.38%	
35) Dibromofluoromethane	7.90	113	11928	64.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.04%	
50) Toluene-d8	10.33	98	37686	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
62) 4-Bromofluorobenzene	12.62	95	10210	33.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.46%	

Target Compounds

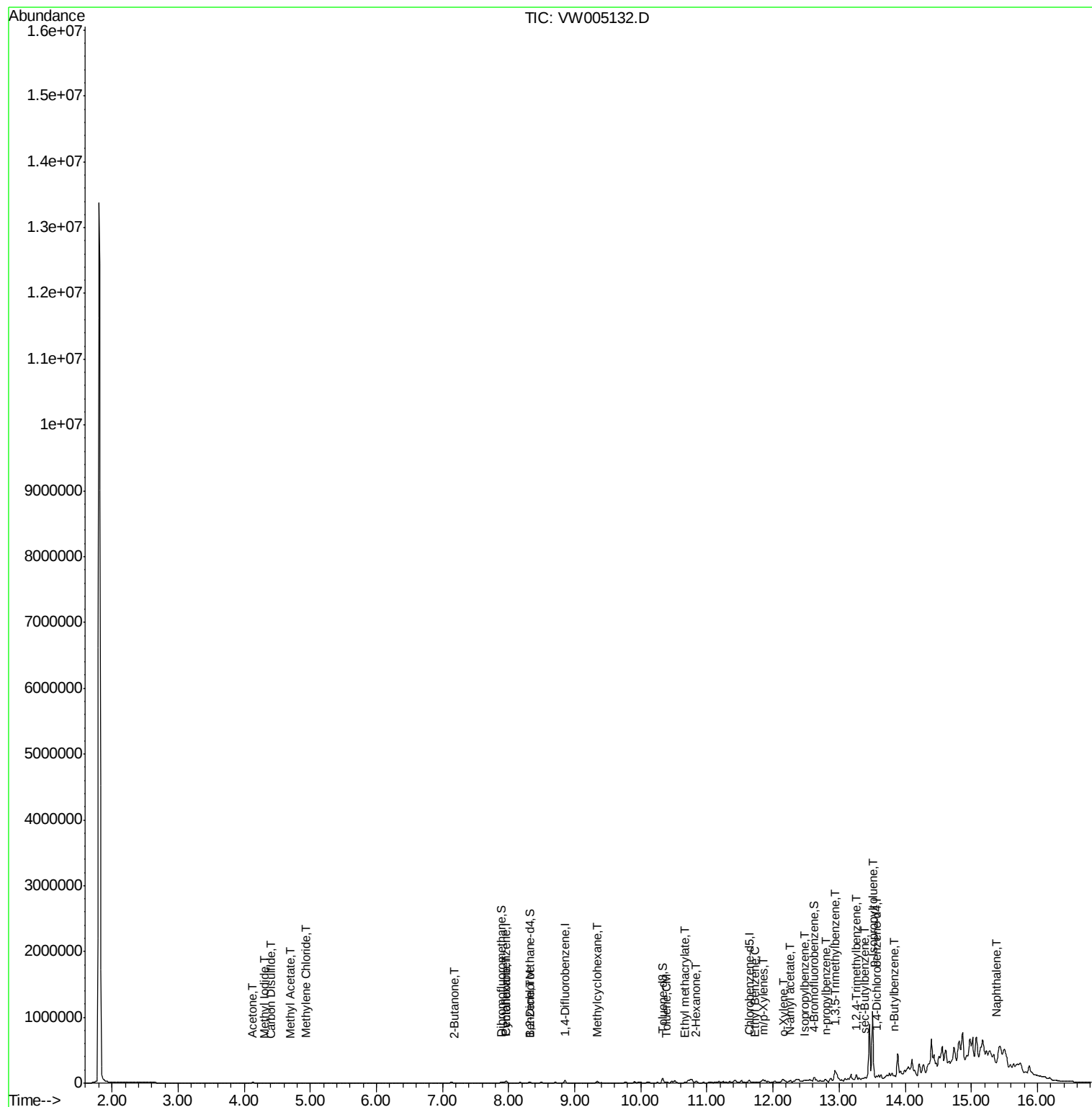
						Qvalue
10) Methyl Iodide	4.31	142	2551	12.63	ug/l #	44
16) Acetone	4.13	43	14101	416.58	ug/l	93
17) Carbon Disulfide	4.40	76	2670	4.65	ug/l #	95
18) Methyl Acetate	4.70	43	3975	39.92	ug/l #	75
20) Methylene Chloride	4.93	84	2100	5.74	ug/l	96
25) 2-Butanone	7.19	43	1696	28.89	ug/l #	76
31) Cyclohexane	7.96	56	4127	12.45	ug/l #	90
39) Methylcyclohexane	9.34	83	9308	25.06	ug/l #	87
40) Benzene	8.34	78	1312	1.40	ug/l	97
52) Toluene	10.39	92	4082	6.41	ug/l	90
56) Ethyl methacrylate	10.67	69	2122	10.94	ug/l #	42
59) 2-Hexanone	10.84	43	16159	170.59	ug/l	65
67) Ethyl Benzene	11.74	91	4394	4.66	ug/l	91
68) m/p-Xylenes	11.84	106	6291	16.65	ug/l	87
69) o-Xylene	12.17	106	5352	15.32	ug/l	93
73) Isopropylbenzene	12.48	105	6194	10.48	ug/l	96
74) N-amyl acetate	12.26	43	7282	71.56	ug/l #	82
78) n-propylbenzene	12.81	91	12043	16.88	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	28862	56.48	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	50268	96.58	ug/l	97
85) sec-Butylbenzene	13.39	105	12024	19.17	ug/l #	56
86) p-Isopropyltoluene	13.51	119	572653	1031.46	ug/l	99
89) n-Butylbenzene	13.83	91	11898	23.12	ug/l #	68
95) Naphthalene	15.38	128	7677	27.36	ug/l #	81

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

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QLast Update : Sat Sep 01 03:35:05 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

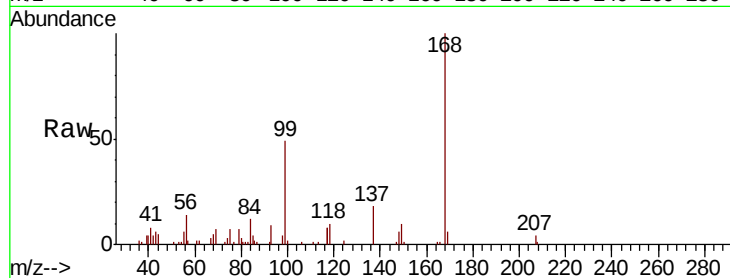
KG-SLUDGE-1RE

Tot Ion:168 Resp: 20361

Ion Ratio Lower Upper

168 100

99 48.8 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

10000

8000

6000

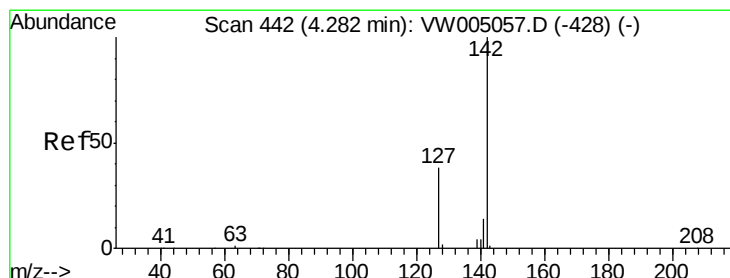
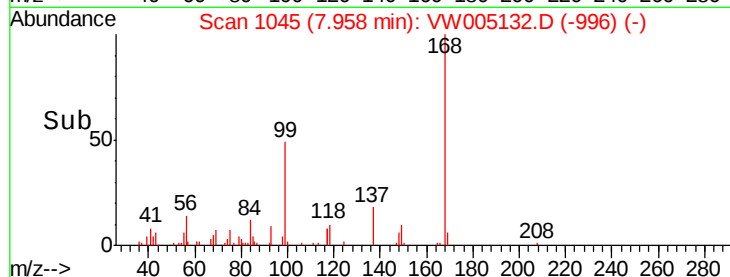
4000

2000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 12.63 ug/l

RT: 4.31 min Scan# 446

Delta R.T. 0.03 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

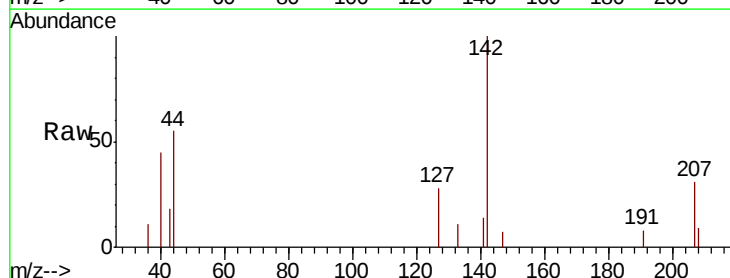
Tgt Ion:142 Resp: 2551

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

141 0.0 11.6 17.4#



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

1200

1000

800

600

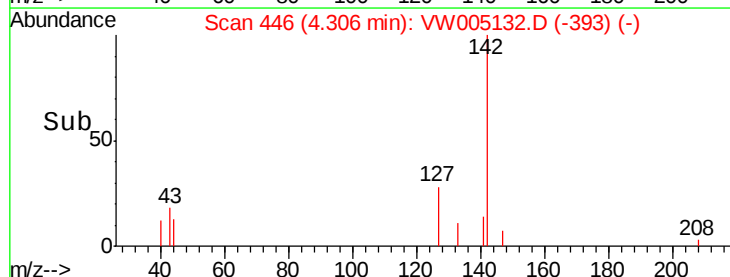
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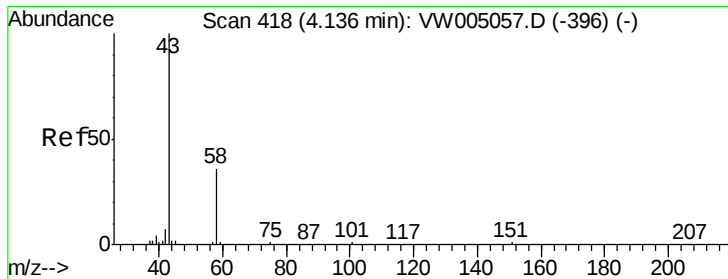
200

0

Time-->

4.20 4.25 4.30 4.35





#16

Acetone

Concen: 416.58 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

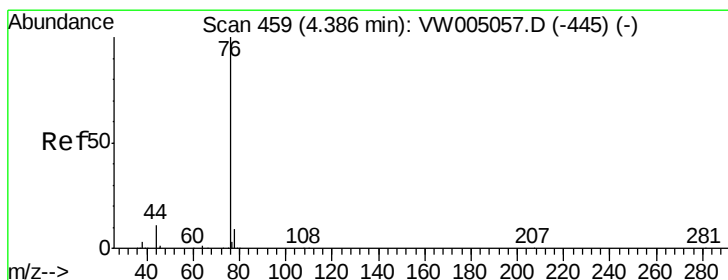
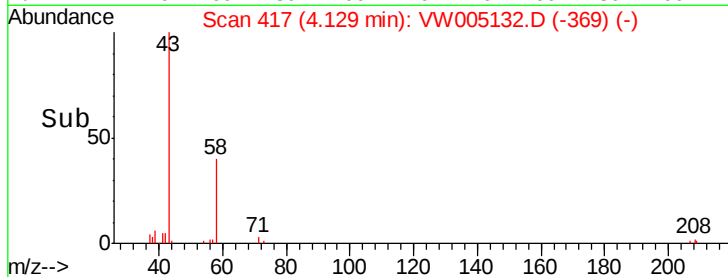
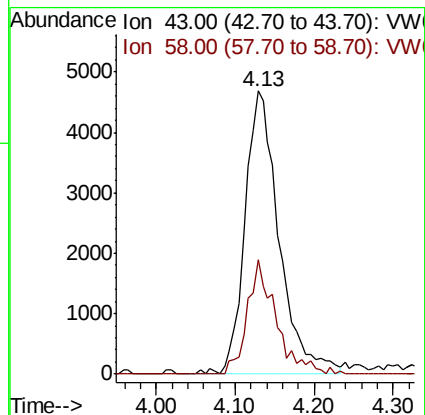
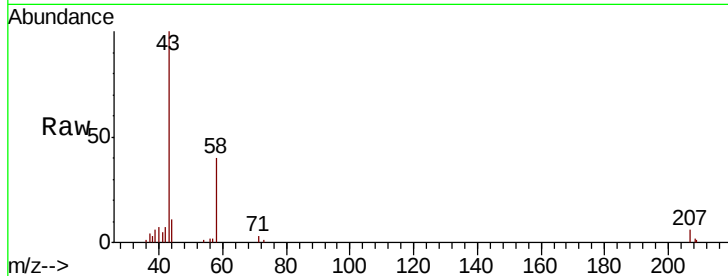
KG-SLUDGE-1RE

Tot Ion: 43 Resp: 14101

Ion Ratio Lower Upper

43 100

58 40.4 29.0 43.6



#17

Carbon Disulfide

Concen: 4.65 ug/l

RT: 4.40 min Scan# 462

Delta R.T. 0.02 min

Lab File: VW005132.D

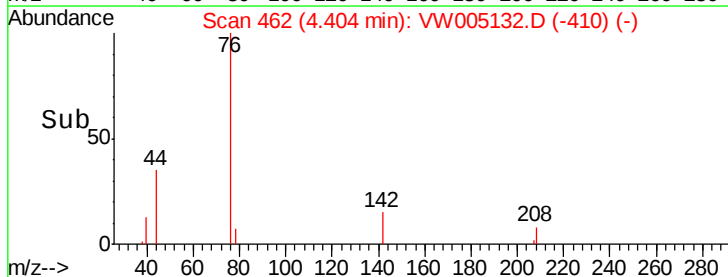
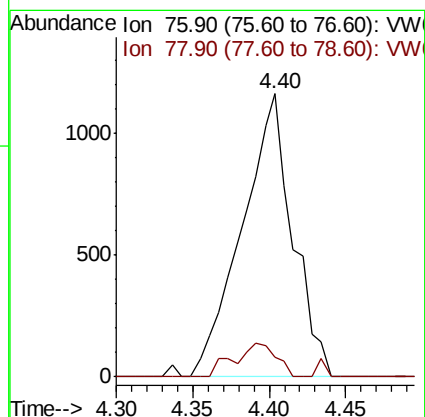
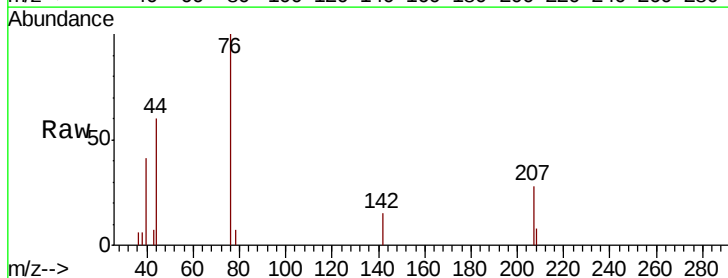
Acq: 05 Sep 2018 16:37

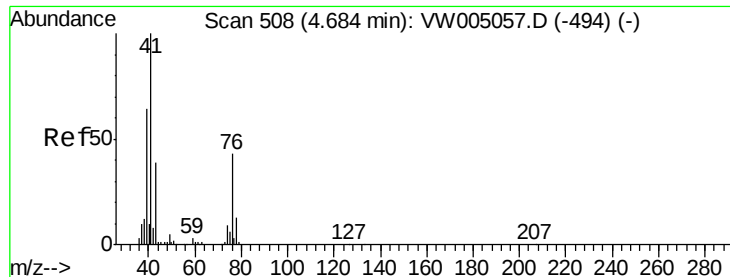
Tgt Ion: 76 Resp: 2670

Ion Ratio Lower Upper

76 100

78 7.1 7.3 10.9#

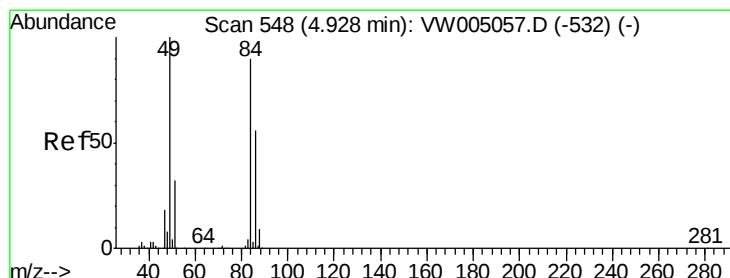
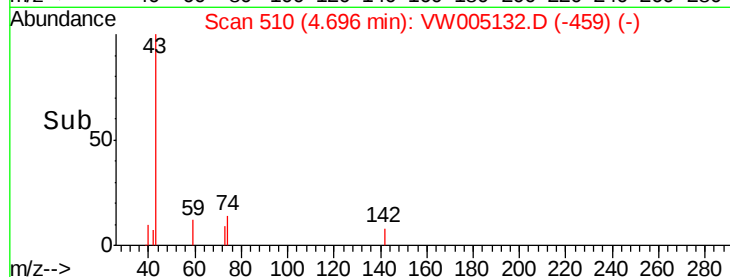
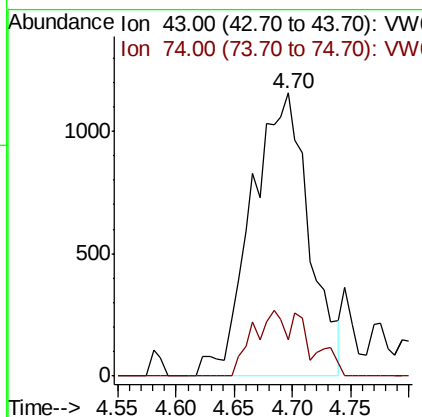
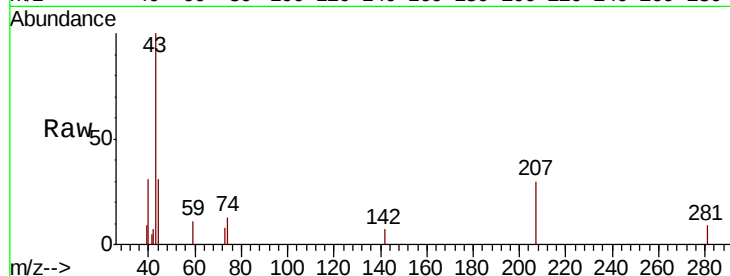




#18
Methyl Acetate
Concen: 39.92 ug/l
RT: 4.70 min Scan# 510
Delta R.T. 0.01 min
Lab File: VW005132.D
Acq: 05 Sep 2018 16:37

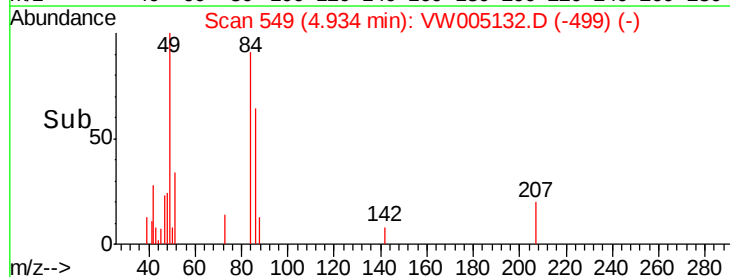
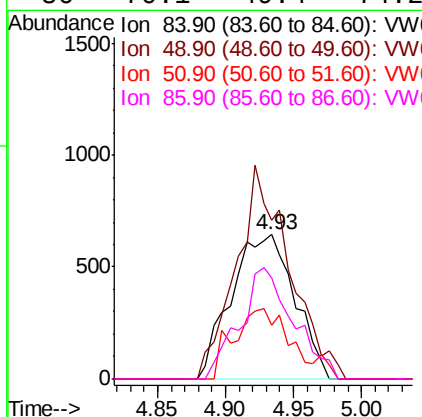
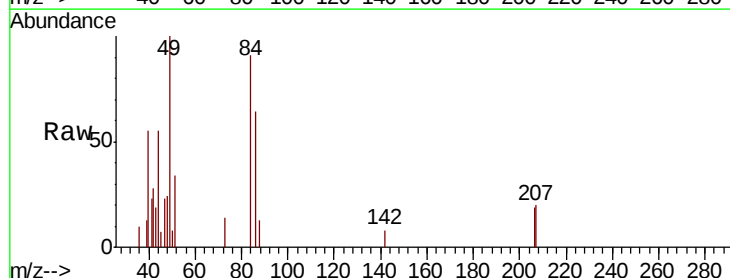
Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-1RE

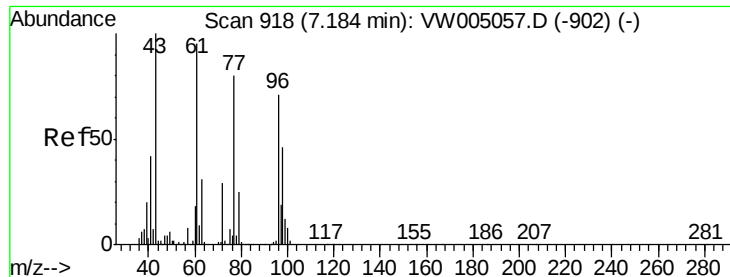
Tot Ion: 43 Resp: 3975
Ion Ratio Lower Upper
43 100
74 13.2 20.7 31.1#



#20
Methylene Chloride
Concen: 5.74 ug/l
RT: 4.93 min Scan# 549
Delta R.T. 0.01 min
Lab File: VW005132.D
Acq: 05 Sep 2018 16:37

Tgt Ion: 84 Resp: 2100
Ion Ratio Lower Upper
84 100
49 109.8 88.7 133.1
51 37.1 28.6 42.8
86 70.1 49.4 74.2





#25

2-Butanone

Concen: 28.89 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

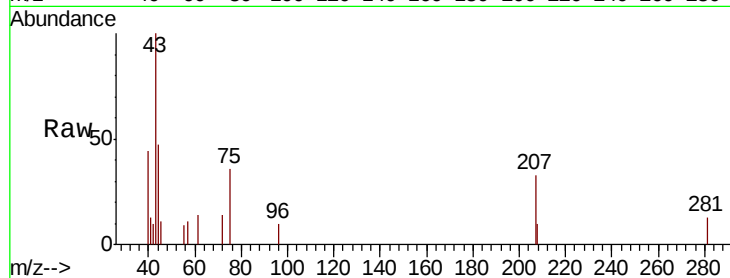
KG-SLUDGE-1RE

Tot Ion: 43 Resp: 1696

Ion Ratio Lower Upper

43 100

72 16.2 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

600

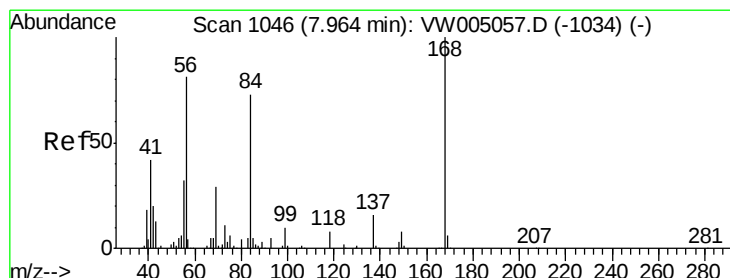
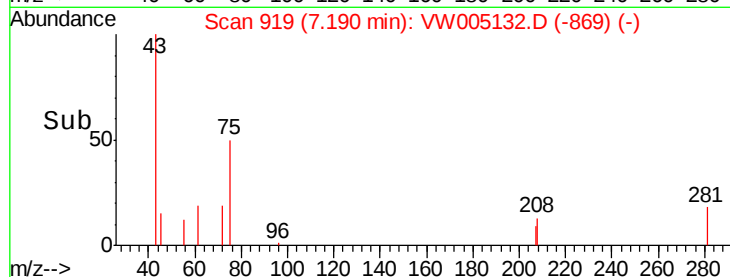
400

200

0

7.10 7.15 7.20 7.25

Time-->



#31

Cyclohexane

Concen: 12.45 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

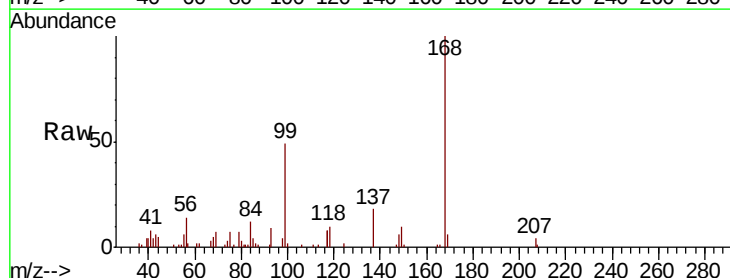
Tgt Ion: 56 Resp: 4127

Ion Ratio Lower Upper

56 100

69 49.1 28.2 42.2#

84 85.7 71.8 107.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

7.96

1500

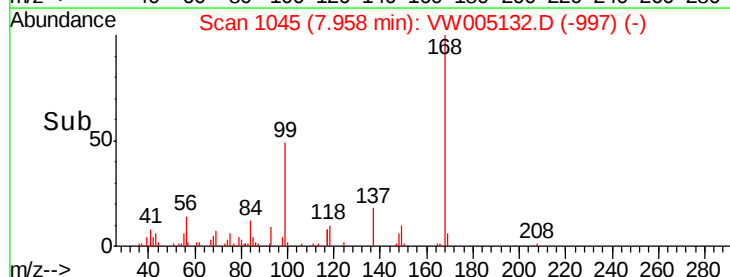
1000

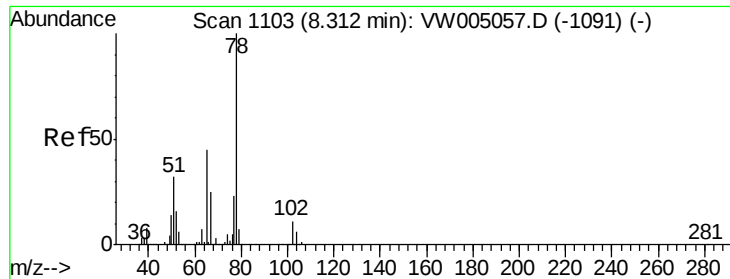
500

0

7.85 7.90 7.95 8.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 77.69 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

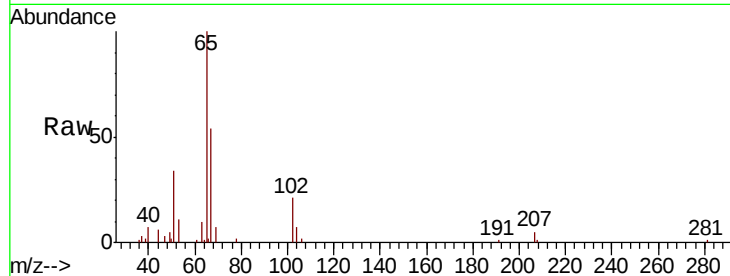
KG-SLUDGE-1RE

Tot Ion: 65 Resp: 13113

Ion Ratio Lower Upper

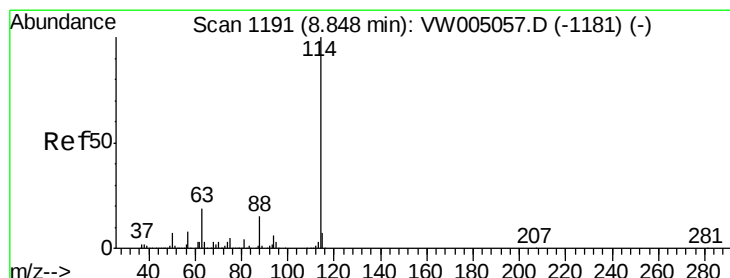
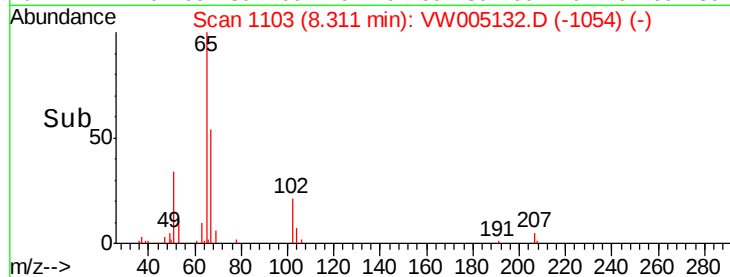
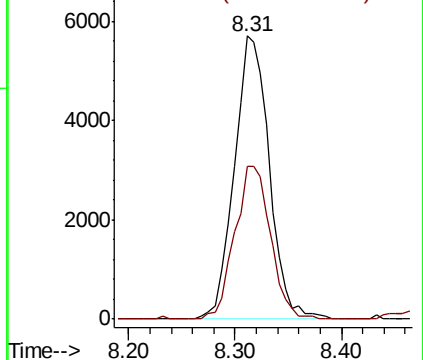
65 100

67 55.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

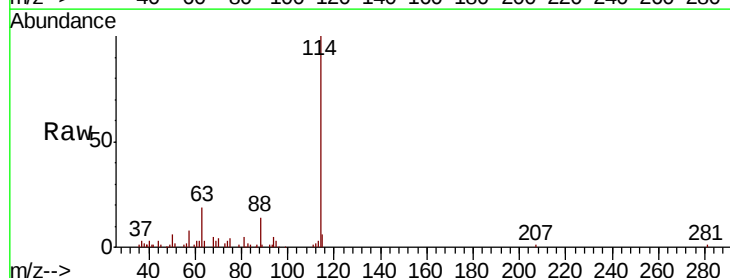
Tgt Ion: 114 Resp: 32242

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

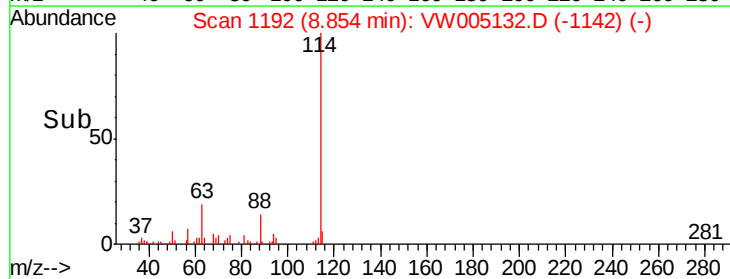
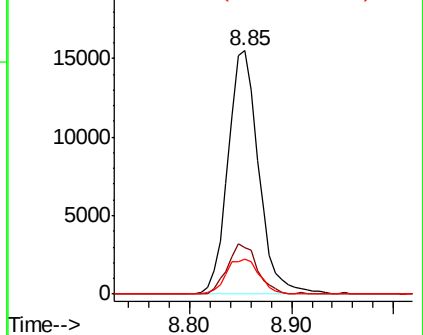
88 14.1 0.0 30.2

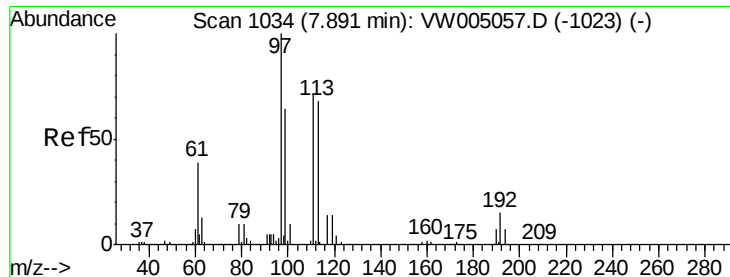


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

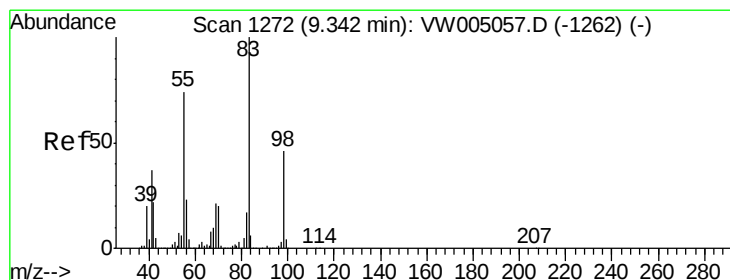
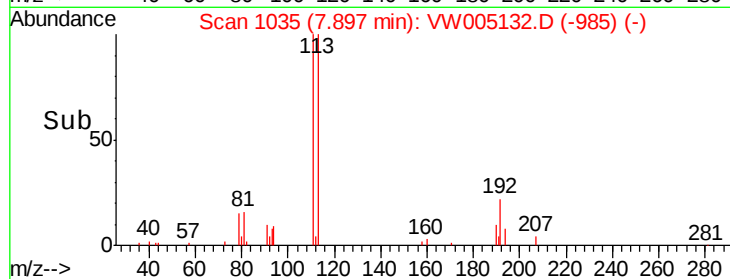
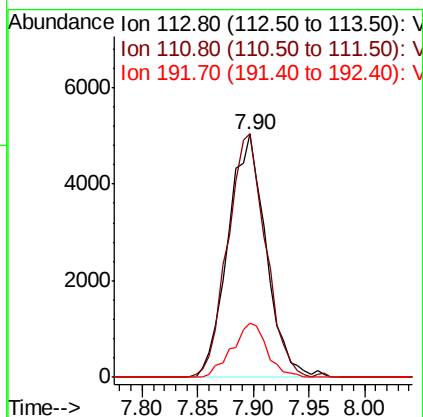
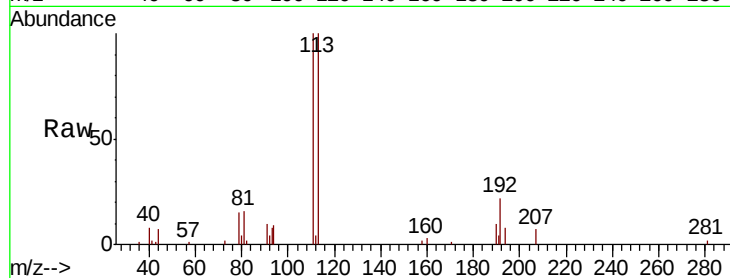




#35
 Dibromofluoromethane
 Concen: 64.02 ug/l
 RT: 7.90 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VW005132.D
 Acq: 05 Sep 2018 16:37

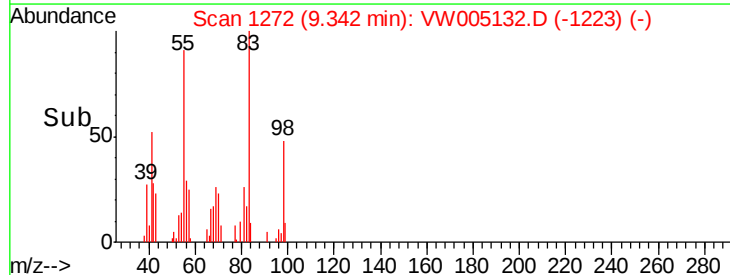
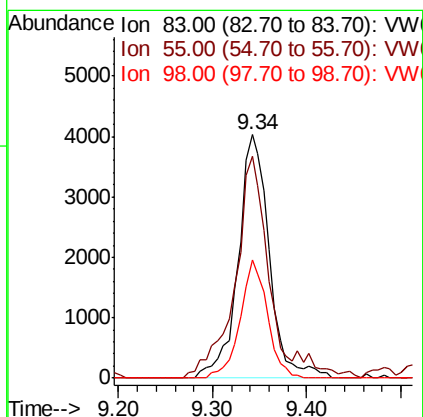
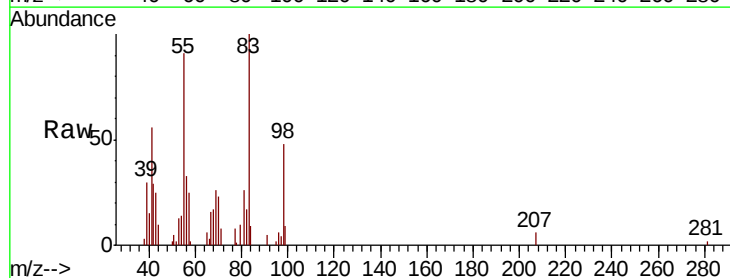
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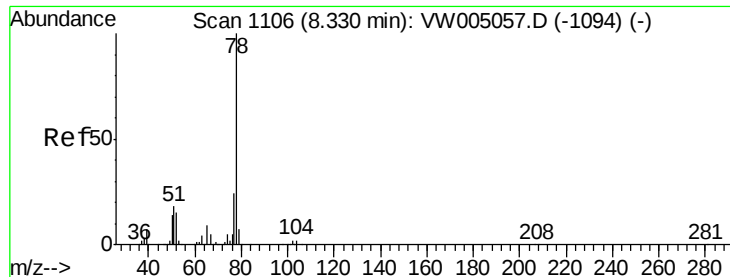
Tot Ion:113 Resp: 11928
 Ion Ratio Lower Upper
 113 100
 111 99.8 82.2 123.2
 192 20.4 18.1 27.1



#39
 Methylcyclohexane
 Concen: 25.06 ug/l
 RT: 9.34 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VW005132.D
 Acq: 05 Sep 2018 16:37

Tgt Ion: 83 Resp: 9308
 Ion Ratio Lower Upper
 83 100
 55 89.6 58.9 88.3#
 98 48.3 36.8 55.2





#40

Benzene

Concen: 1.40 ug/l

RT: 8.34 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

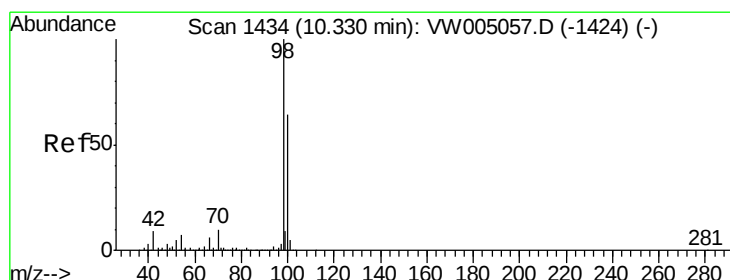
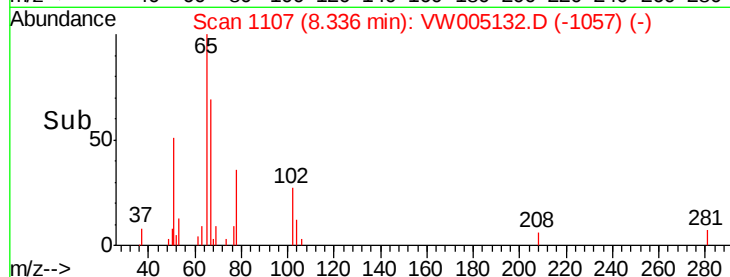
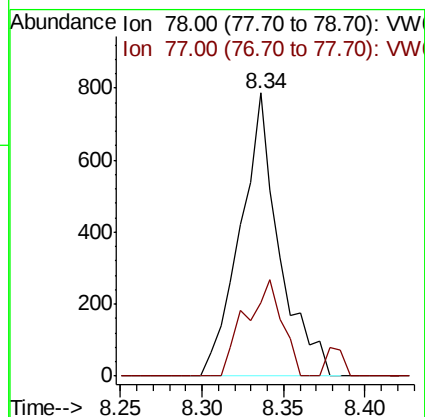
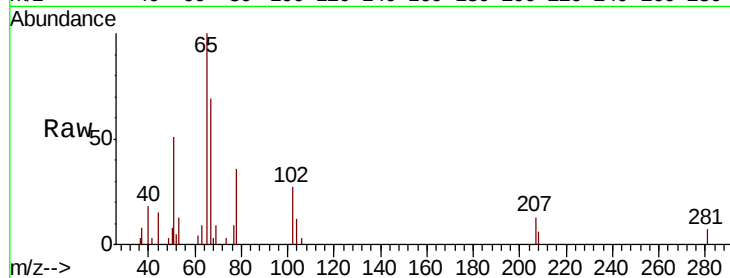
KG-SLUDGE-1RE

Tot Ion: 78 Resp: 1312

Ion Ratio Lower Upper

78 100

77 25.8 19.4 29.0



#50

Toluene-d8

Concen: 43.90 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005132.D

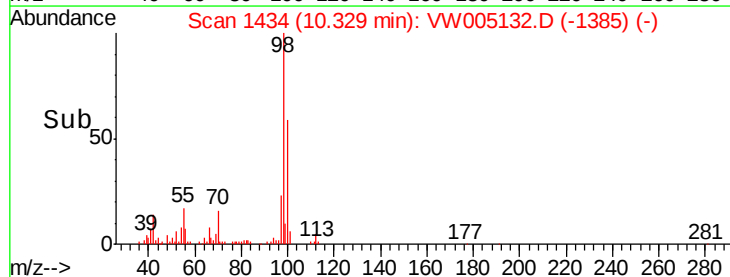
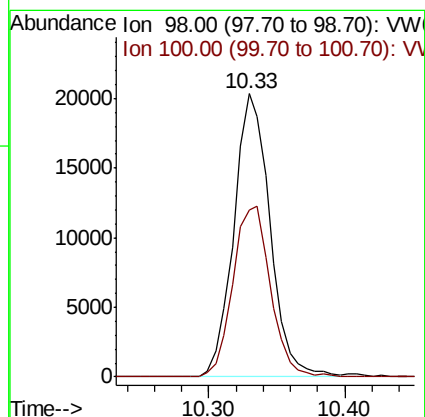
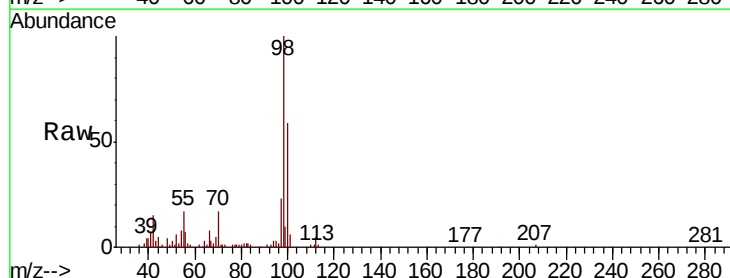
Acq: 05 Sep 2018 16:37

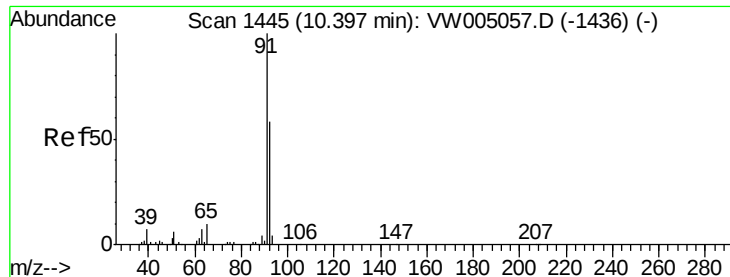
Tgt Ion: 98 Resp: 37686

Ion Ratio Lower Upper

98 100

100 62.7 51.7 77.5





#52

Toluene

Concen: 6.41 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

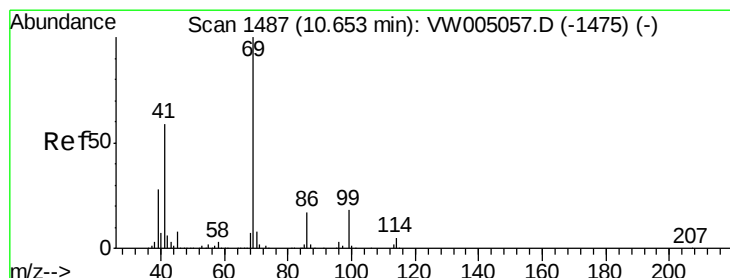
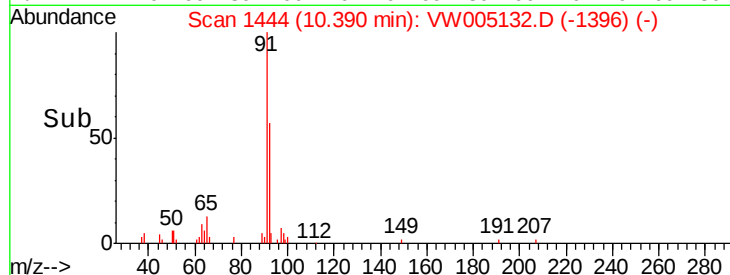
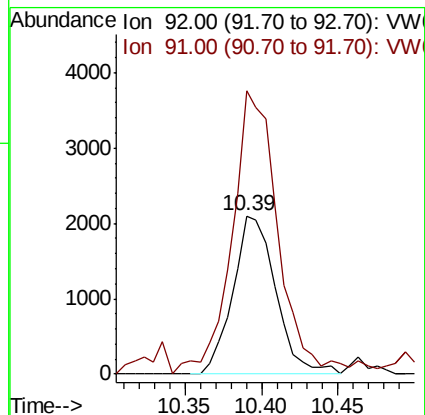
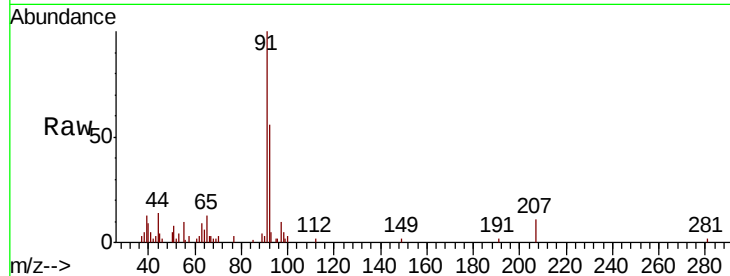
KG-SLUDGE-1RE

Tot Ion: 92 Resp: 4082

Ion Ratio Lower Upper

92 100

91 188.2 139.2 208.8



#56

Ethyl methacrylate

Concen: 10.94 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

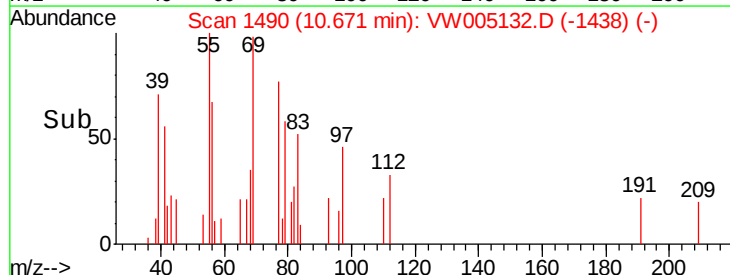
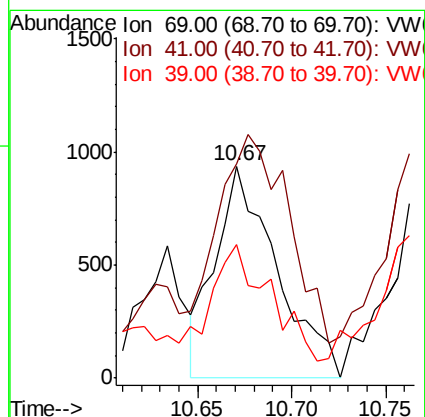
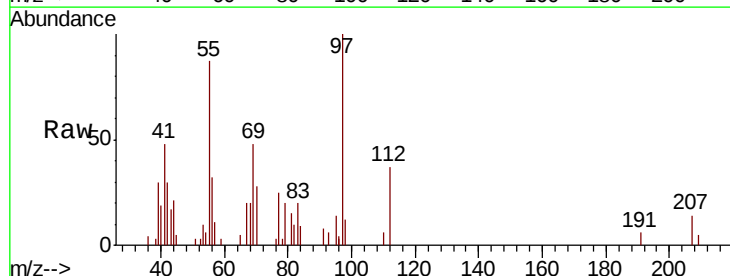
Tgt Ion: 69 Resp: 2122

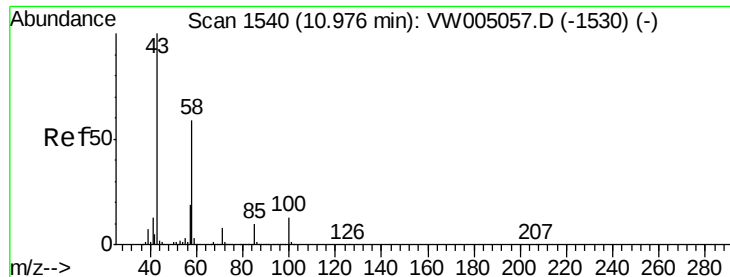
Ion Ratio Lower Upper

69 100

41 106.5 47.8 71.6#

39 51.9 21.1 31.7#





#59

2-Hexanone

Concen: 170.59 ug/l

RT: 10.84 min Scan# 1517

Delta R.T. -0.14 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

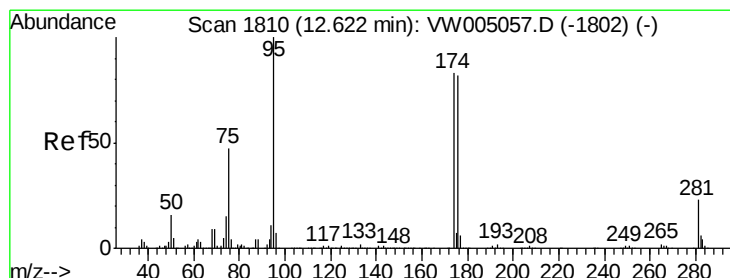
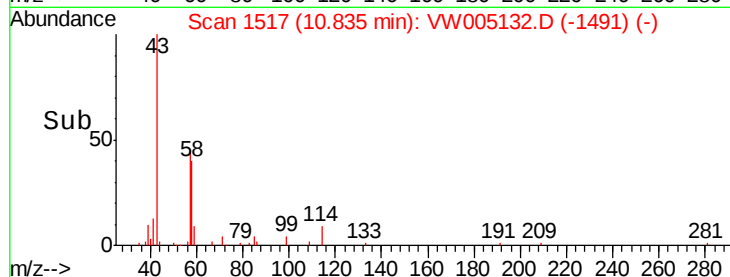
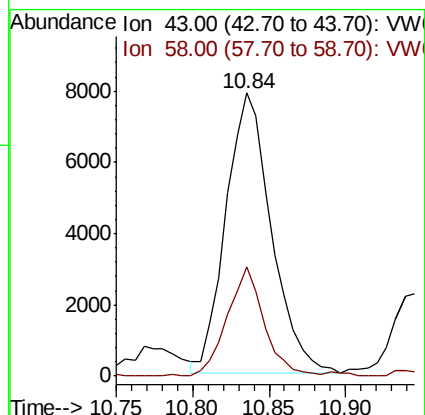
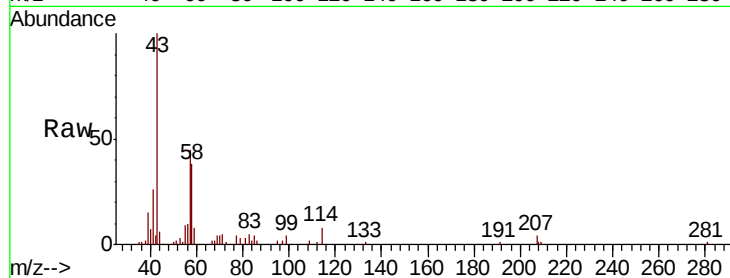
KG-SLUDGE-1RE

Tot Ion: 43 Resp: 16159

Ion Ratio Lower Upper

43 100

58 31.9 28.7 86.3



#62

4-Bromofluorobenzene

Concen: 33.73 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

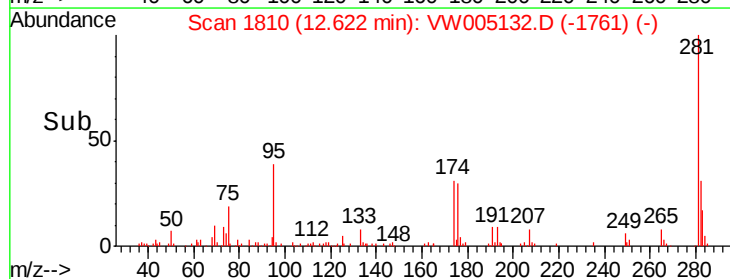
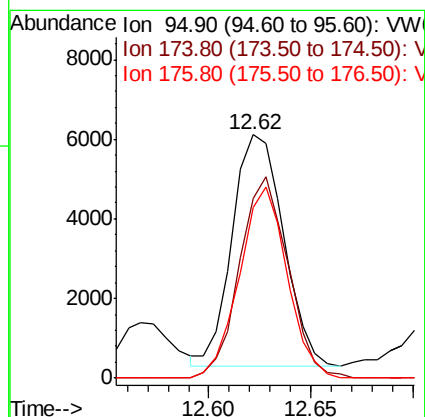
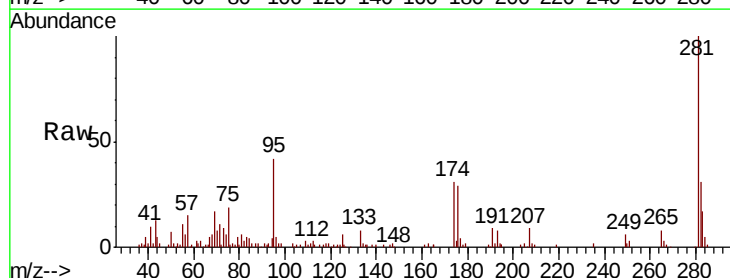
Tgt Ion: 95 Resp: 10210

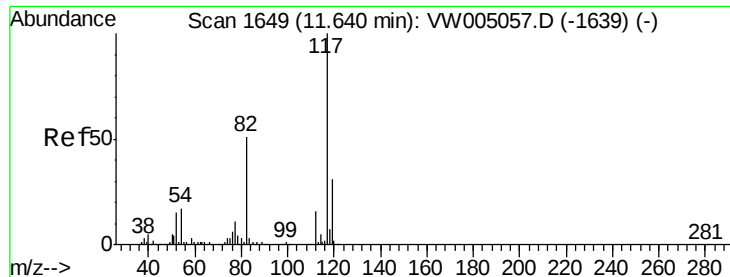
Ion Ratio Lower Upper

95 100

174 81.9 0.0 173.4

176 76.3 0.0 167.4

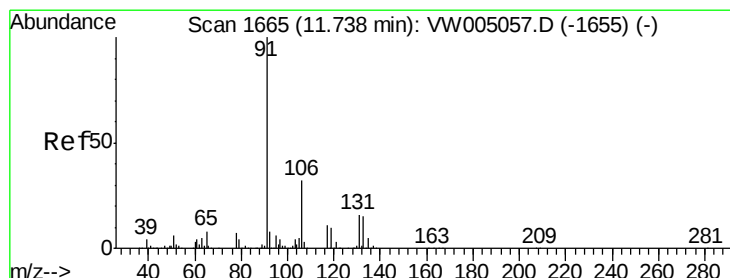
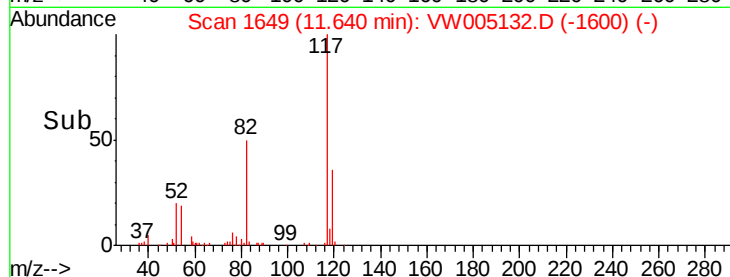
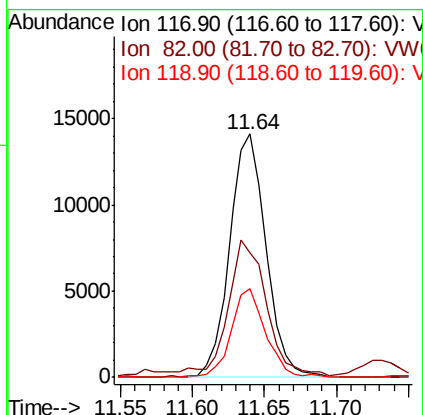
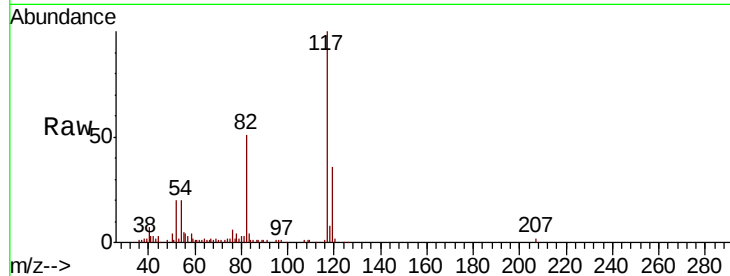




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005132.D
Acq: 05 Sep 2018 16:37

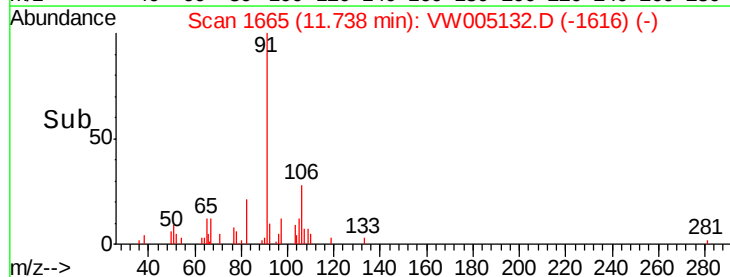
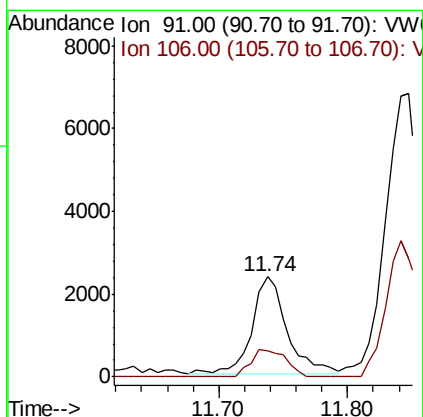
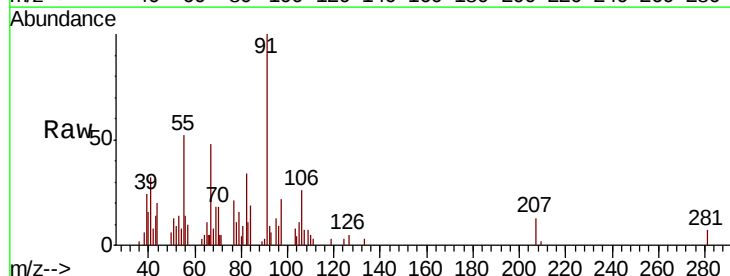
Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-1RE

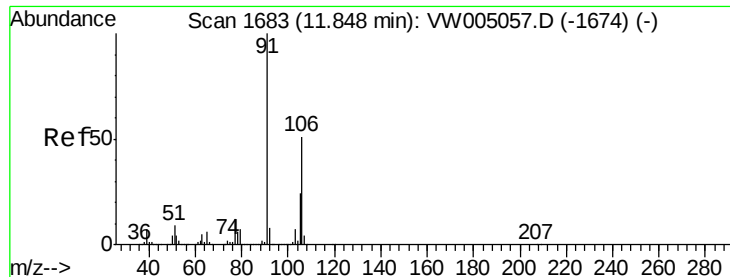
Tot Ion:117 Resp: 24791
Ion Ratio Lower Upper
117 100
82 49.9 40.9 61.3
119 36.3 24.9 37.3



#67
Ethyl Benzene
Concen: 4.66 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005132.D
Acq: 05 Sep 2018 16:37

Tgt Ion: 91 Resp: 4394
Ion Ratio Lower Upper
91 100
106 26.7 25.3 37.9





#68

m/p-Xylenes

Concen: 16.65 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

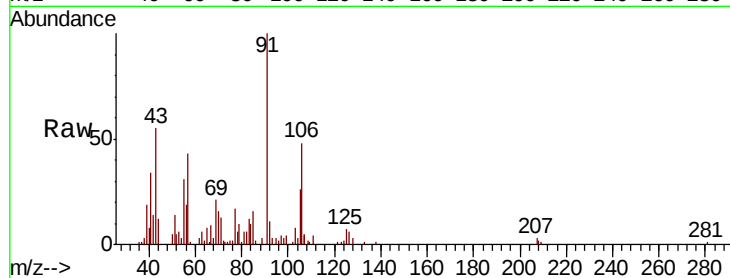
KG-SLUDGE-1RE

Tot Ion:106 Resp: 6291

Ion Ratio Lower Upper

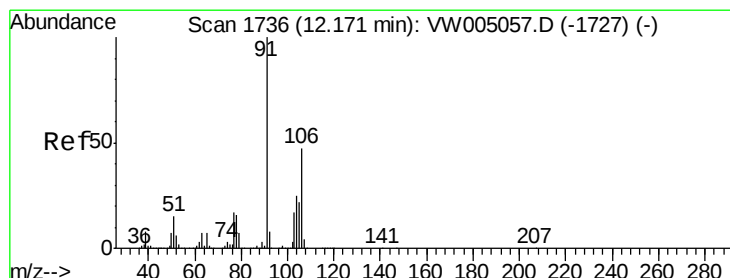
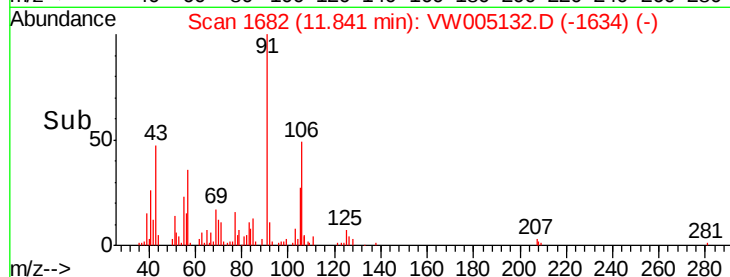
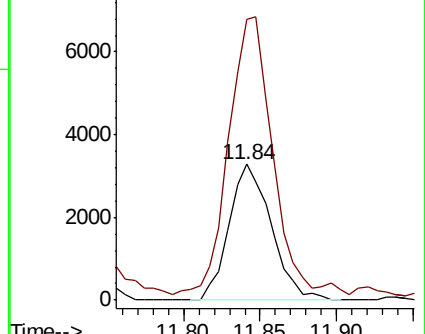
106 100

91 217.3 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 15.32 ug/l

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW005132.D

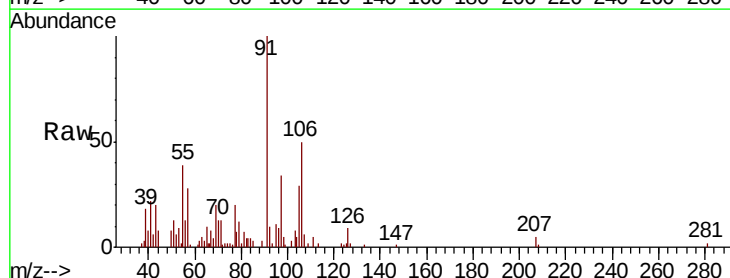
Acq: 05 Sep 2018 16:37

Tgt Ion:106 Resp: 5352

Ion Ratio Lower Upper

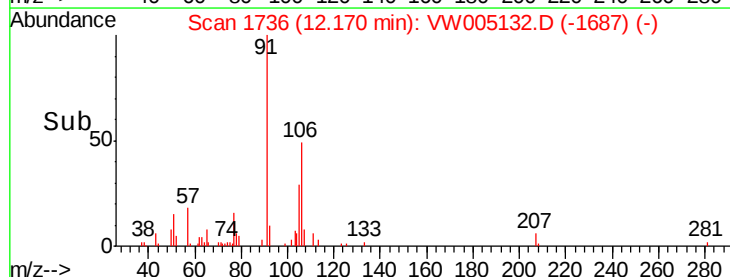
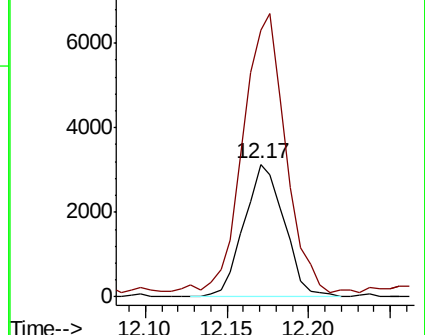
106 100

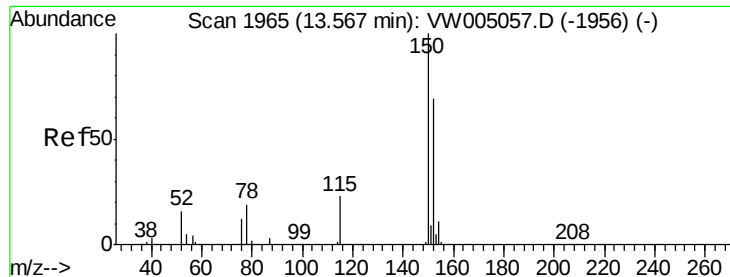
91 221.4 105.6 316.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

KG-SLUDGE-1RE

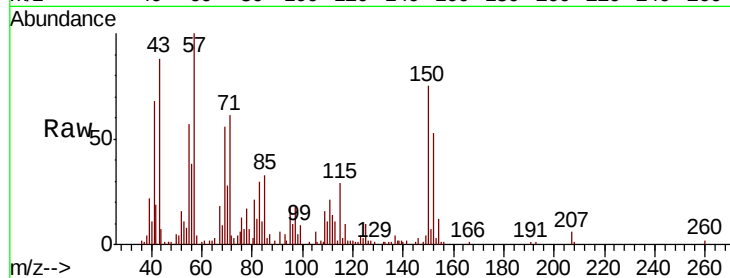
Tot Ion:152 Resp: 8381

Ion Ratio Lower Upper

152 100

115 62.1 27.8 83.4

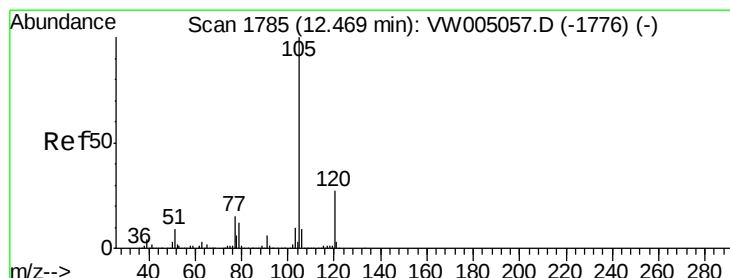
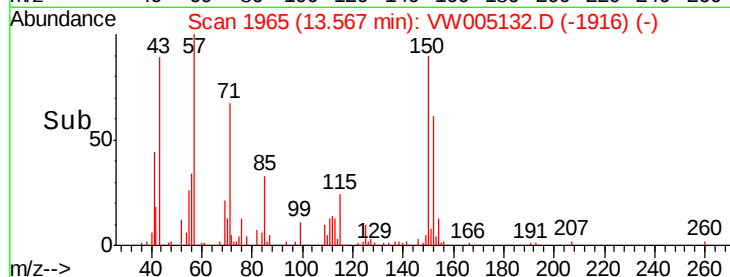
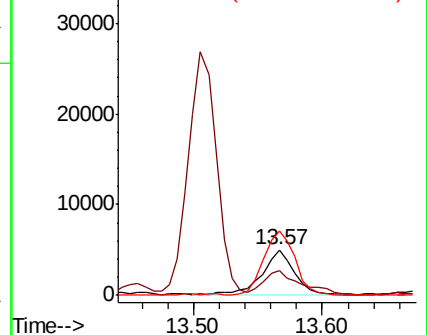
150 143.5 0.0 351.4



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



#73

Isopropylbenzene

Concen: 10.48 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW005132.D

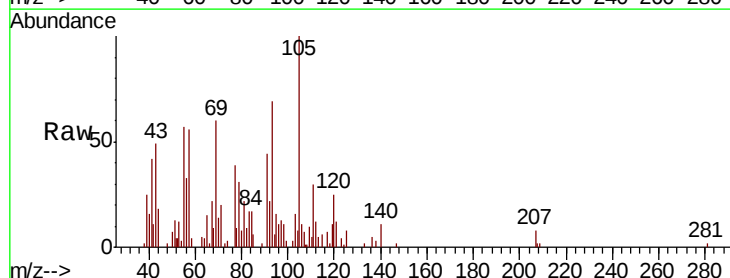
Acq: 05 Sep 2018 16:37

Tgt Ion:105 Resp: 6194

Ion Ratio Lower Upper

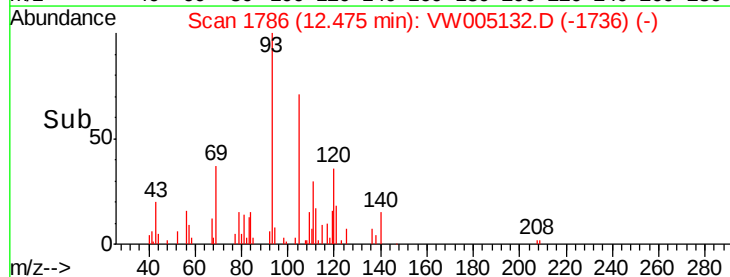
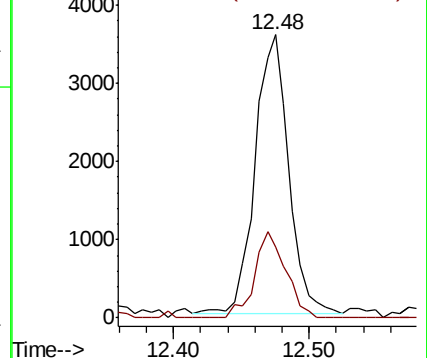
105 100

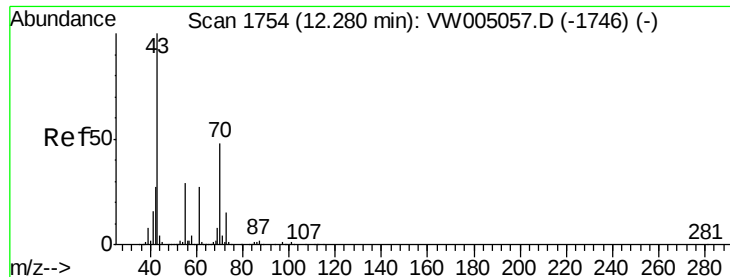
120 28.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

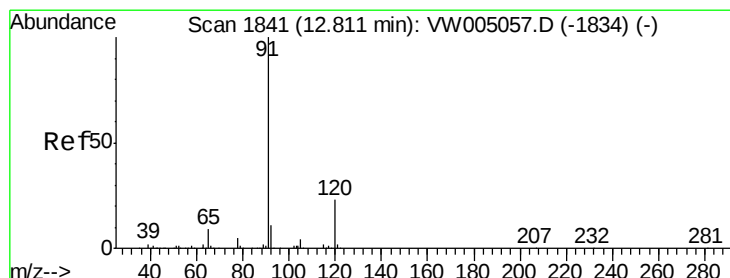
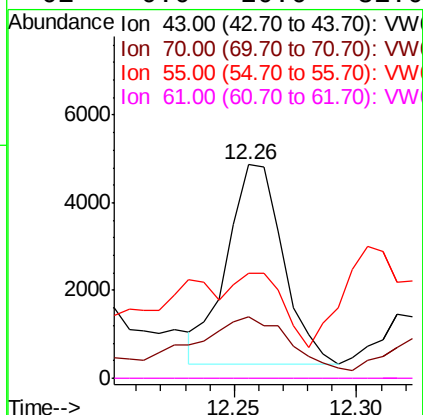
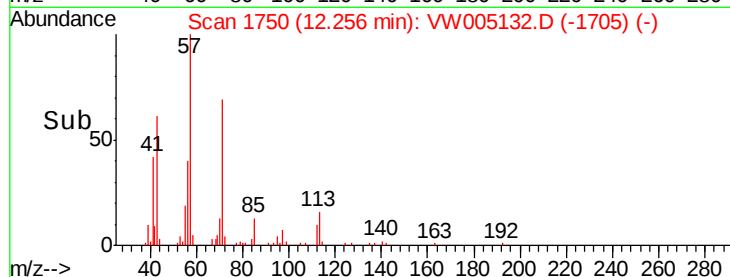
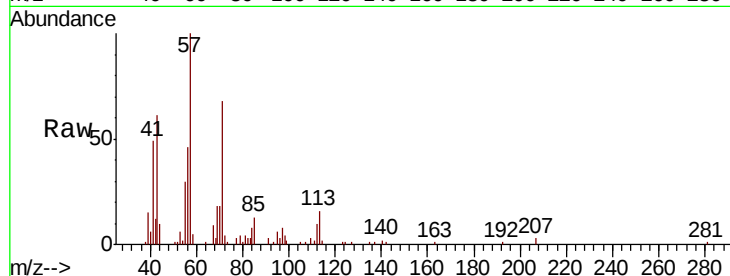




#74
N-amvl acetate
Concen: 71.56 ug/l
RT: 12.26 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VW005132.D
Acq: 05 Sep 2018 16:37

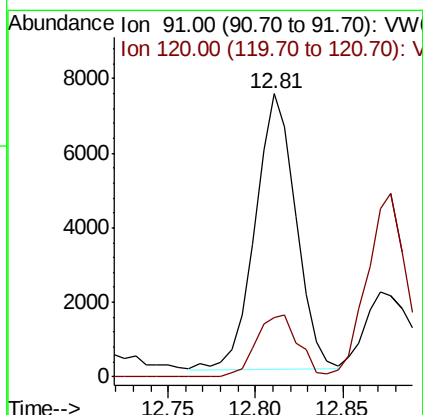
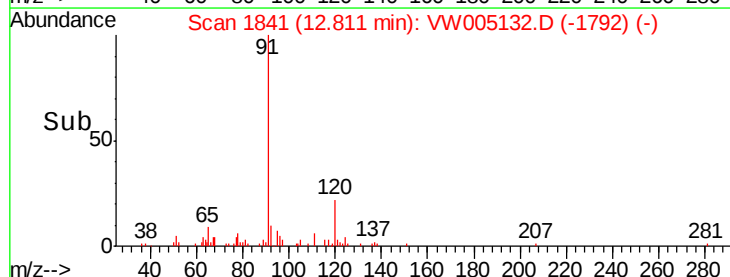
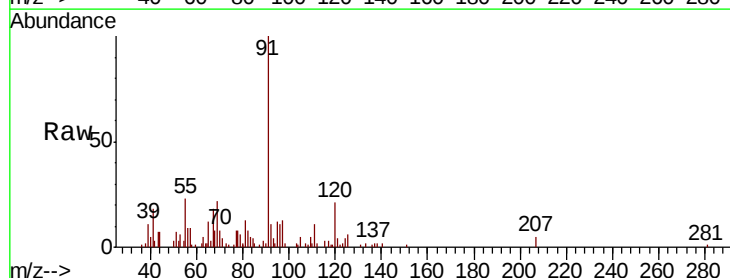
Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-1RE

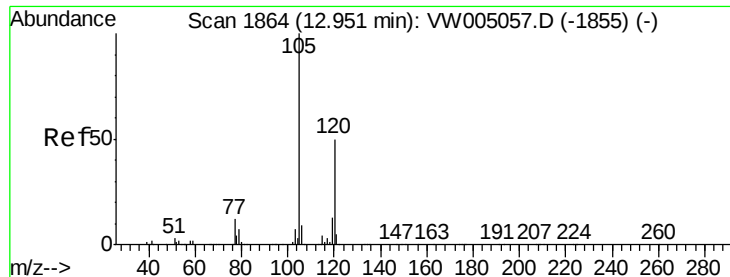
Tot Ion: 43 Resp: 7282
Ion Ratio Lower Upper
43 100
70 42.9 38.2 57.4
55 33.3 23.2 34.8
61 0.0 20.6 31.0#



#78
n-propylbenzene
Concen: 16.88 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW005132.D
Acq: 05 Sep 2018 16:37

Tgt Ion: 91 Resp: 12043
Ion Ratio Lower Upper
91 100
120 23.2 11.8 35.3





#80

1,3,5-Trimethylbenzene

Concen: 56.48 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

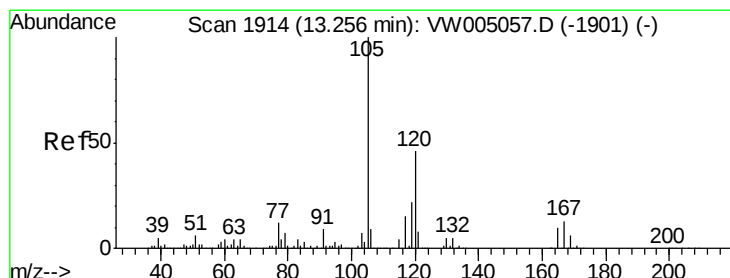
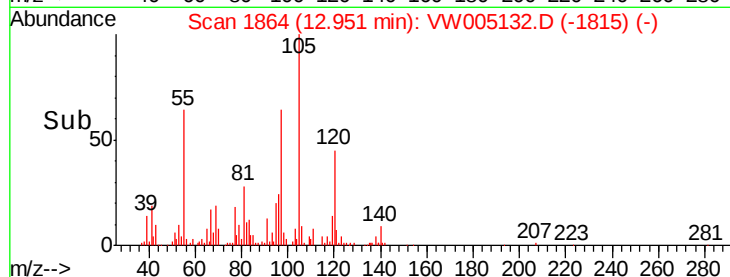
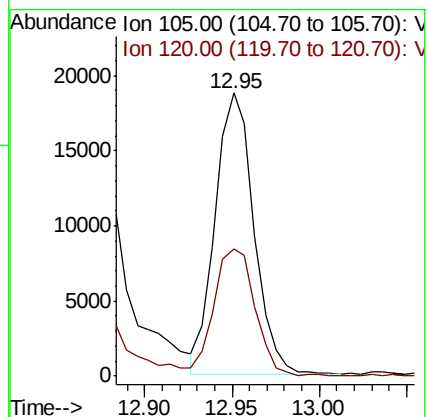
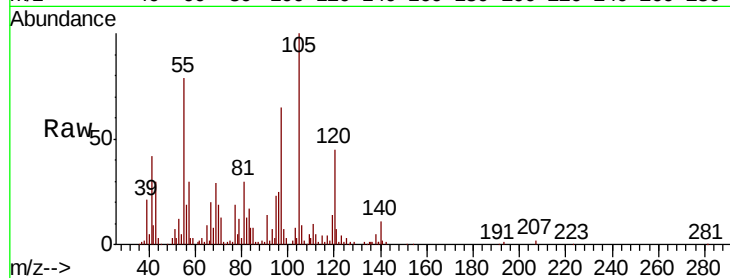
KG-SLUDGE-1RE

Tot Ion:105 Resp: 28862

Ion Ratio Lower Upper

105 100

120 48.7 24.9 74.8



#84

1,2,4-Trimethylbenzene

Concen: 96.58 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.01 min

Lab File: VW005132.D

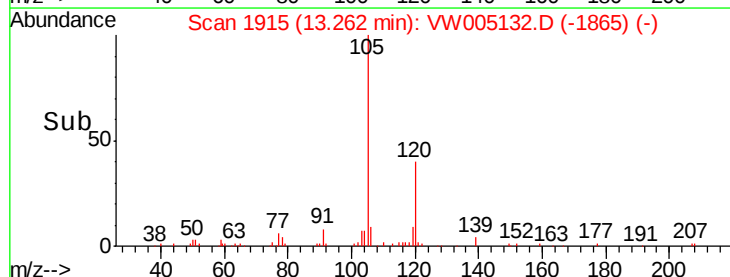
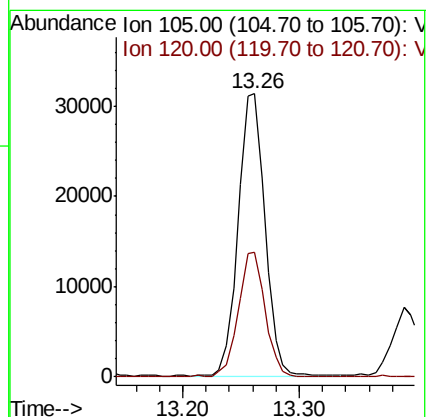
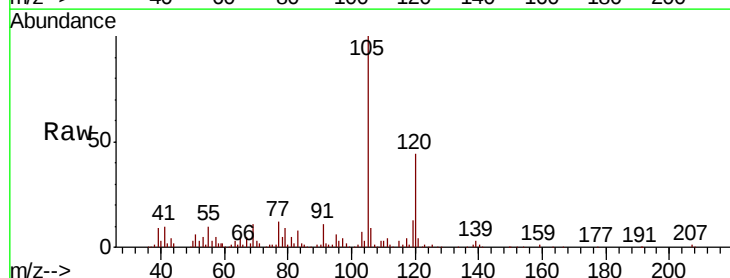
Acq: 05 Sep 2018 16:37

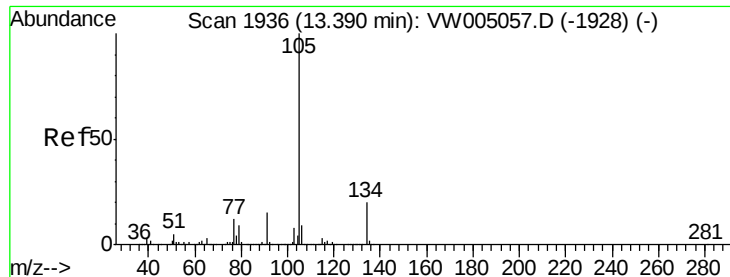
Tgt Ion:105 Resp: 50268

Ion Ratio Lower Upper

105 100

120 44.1 23.1 69.3





#85

sec-Butylbenzene

Concen: 19.17 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

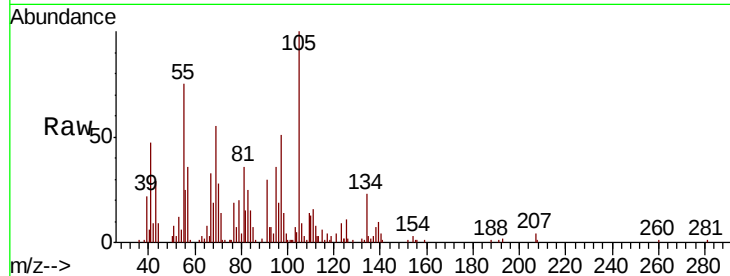
KG-SLUDGE-1RE

Tot Ion:105 Resp: 12024

Ion Ratio Lower Upper

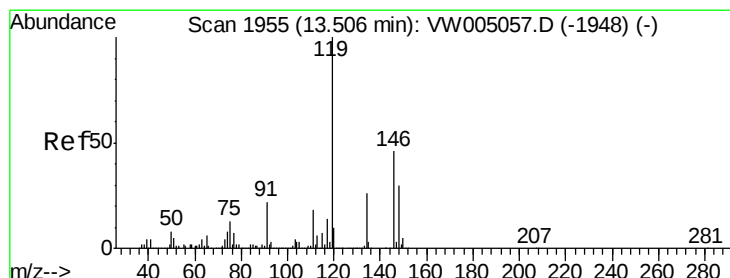
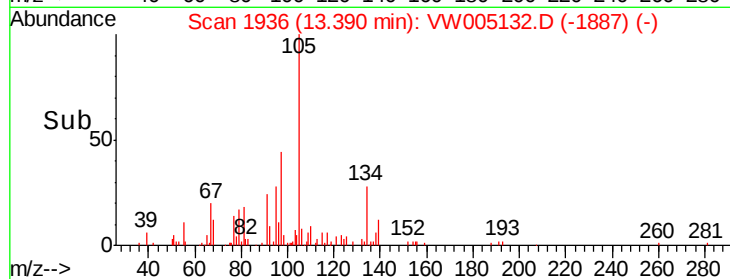
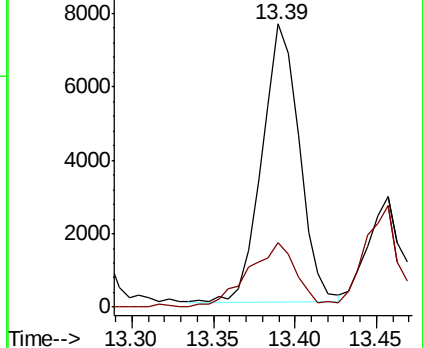
105 100

134 0.0 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1031.46 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

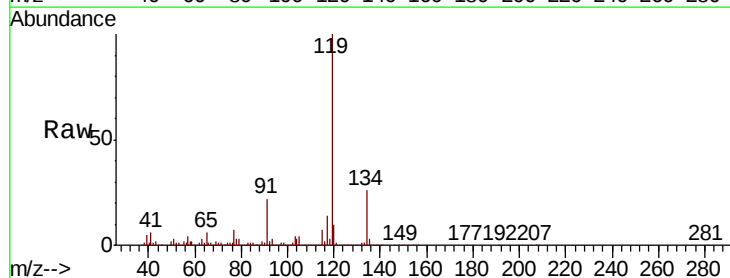
Tgt Ion:119 Resp: 572653

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

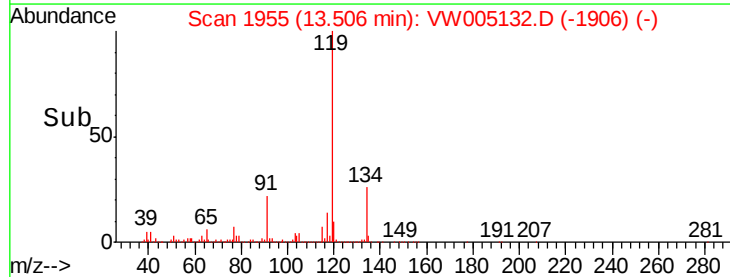
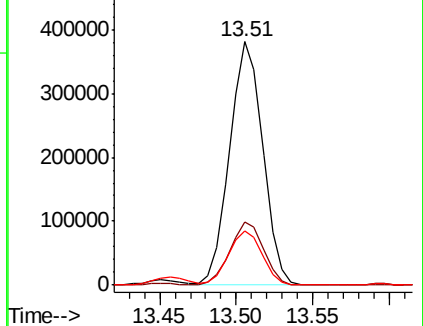
91 22.5 10.9 32.9

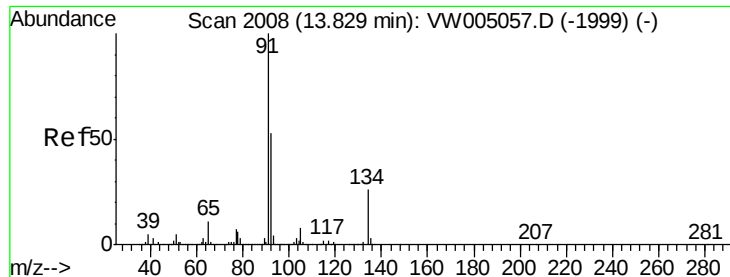


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 23.12 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

KG-SLUDGE-1RE

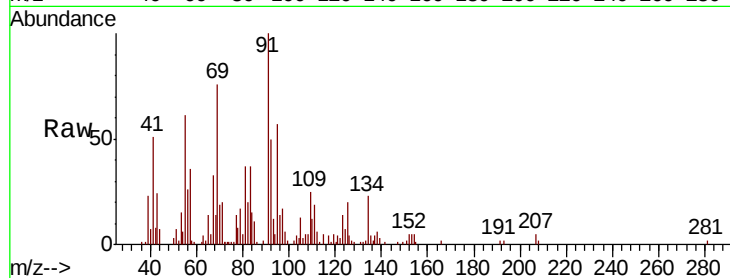
Tot Ion: 91 Resp: 11898

Ion Ratio Lower Upper

91 100

92 68.9 26.5 79.5

134 0.0 13.5 40.4#

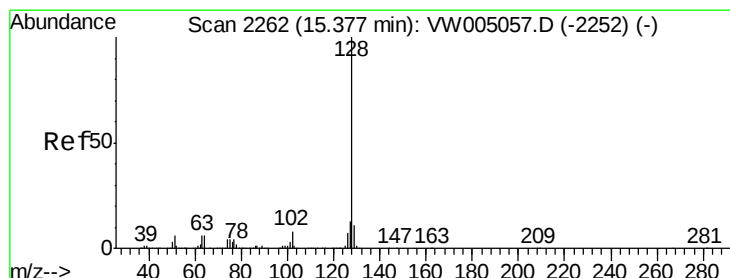
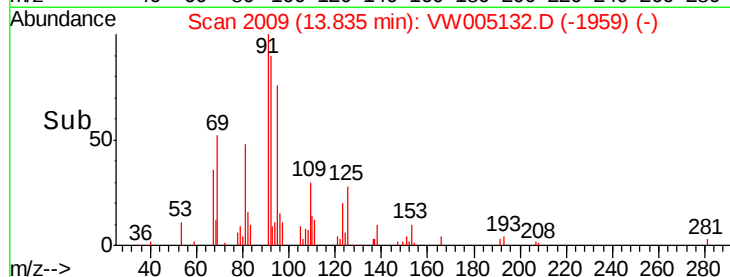
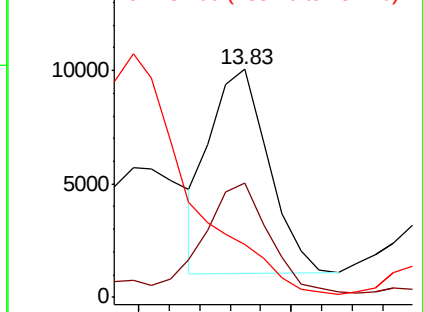


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 27.36 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005132.D

Acq: 05 Sep 2018 16:37

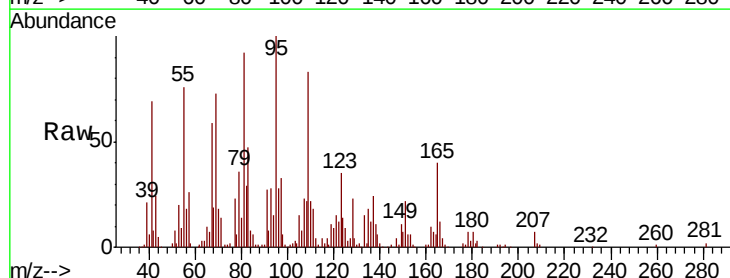
Tgt Ion: 128 Resp: 7677

Ion Ratio Lower Upper

128 100

127 19.9 10.4 15.6#

129 2.8 8.7 13.1#



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

