

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090518\
 Data File : VW005133.D
 Acq On : 05 Sep 2018 17:02
 Operator : SY/AP
 Sample : J4726-03RE
 Misc : 6.11G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

Quant Time: Sep 05 18:11:46 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	39231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	63819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	51940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	17449	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	25804	79.35	ug/l	0.00
Spiked Amount			Recovery	=	158.70%	
35) Dibromofluoromethane	7.90	113	23008	62.39	ug/l	0.00
Spiked Amount			Recovery	=	124.78%	
50) Toluene-d8	10.33	98	74234	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	
62) 4-Bromofluorobenzene	12.63	95	22546	37.63	ug/l	0.00
Spiked Amount			Recovery	=	75.26%	

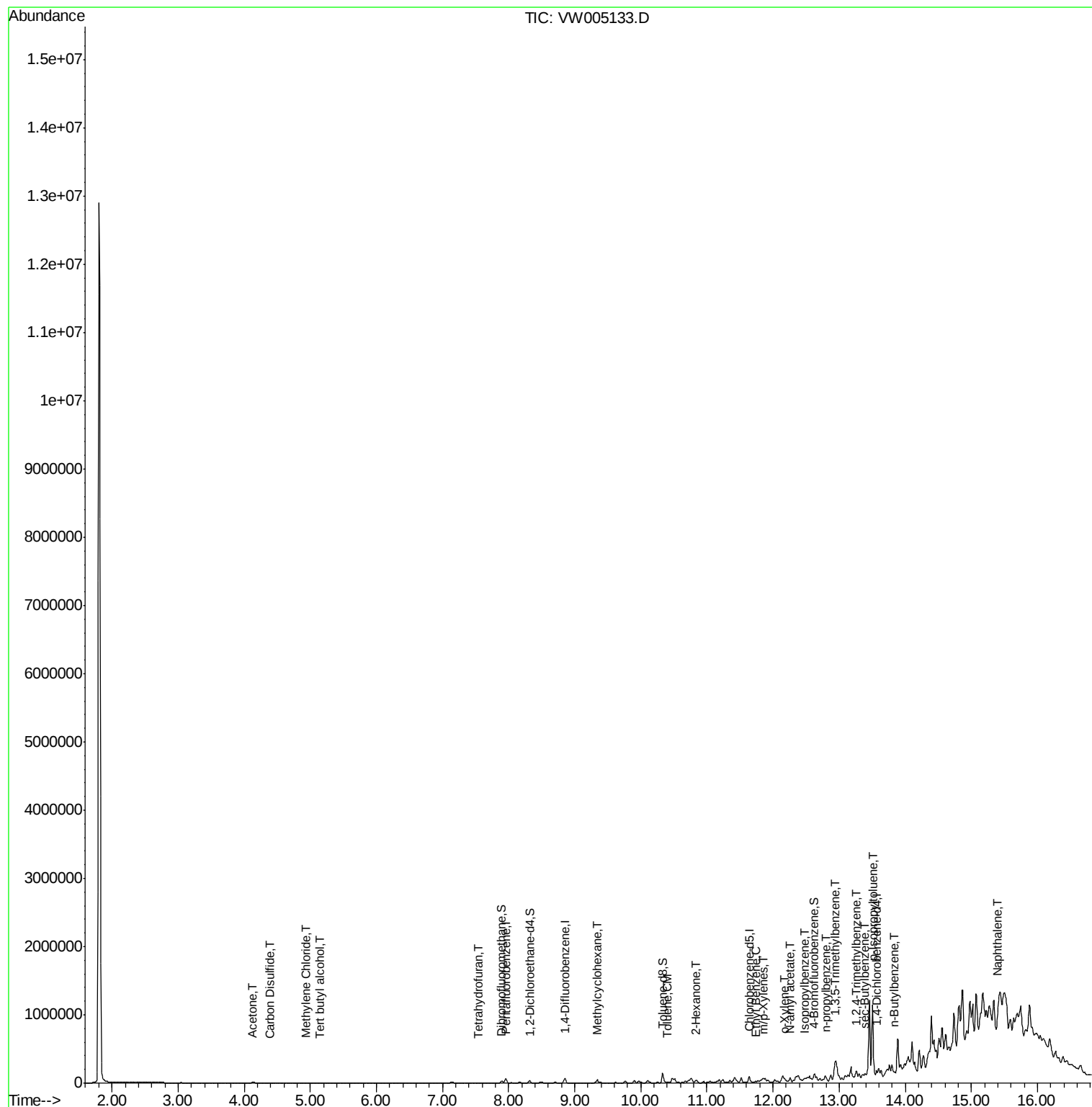
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	776	Below Cal	#	28
11) Tert butyl alcohol	5.15	59	1903	89.59	ug/l #	91
16) Acetone	4.13	43	23566	361.33	ug/l	97
17) Carbon Disulfide	4.39	76	2353	2.13	ug/l #	91
20) Methylene Chloride	4.92	84	4328	6.43	ug/l #	88
29) Tetrahydrofuran	7.54	42	754	13.04	ug/l #	73
39) Methylcyclohexane	9.34	83	15323	20.85	ug/l #	81
52) Toluene	10.40	92	4546	3.61	ug/l	95
59) 2-Hexanone	10.84	43	26926	143.61	ug/l	67
67) Ethyl Benzene	11.74	91	5468	2.77	ug/l	98
68) m/p-Xylenes	11.84	106	5998	7.58	ug/l	96
69) o-Xylene	12.17	106	9162	12.52	ug/l	97
73) Isopropylbenzene	12.47	105	10960	8.91	ug/l	98
74) N-amyl acetate	12.26	43	14079	66.46	ug/l #	69
78) n-propylbenzene	12.81	91	23659	15.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	60455	56.82	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	66288	61.17	ug/l	98
85) sec-Butylbenzene	13.39	105	19230	14.73	ug/l #	76
86) p-Isopropyltoluene	13.51	119	581438	503.02	ug/l	99
89) n-Butylbenzene	13.84	91	23241	21.70	ug/l #	76
95) Naphthalene	15.38	128	13725	24.06	ug/l #	74

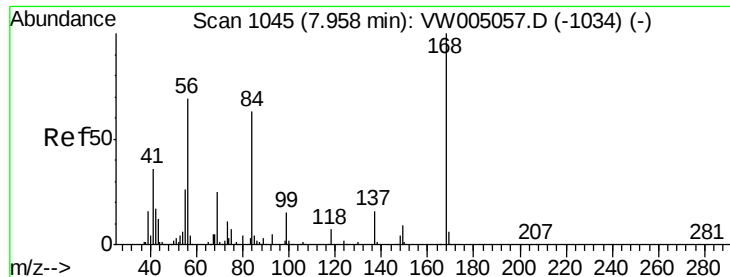
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

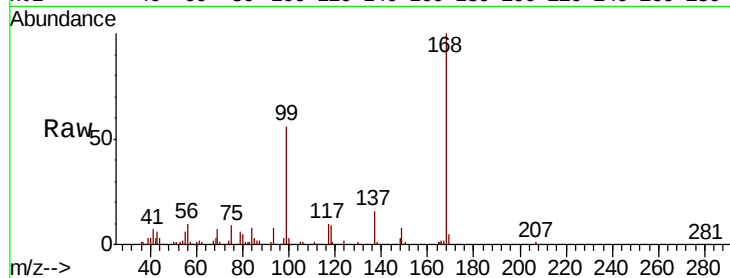
KG-SLUDGE-2RE

Tot Ion:168 Resp: 39231

Ion Ratio Lower Upper

168 100

99 55.8 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

20000

15000

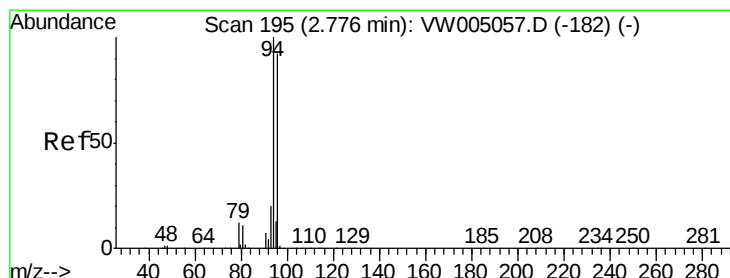
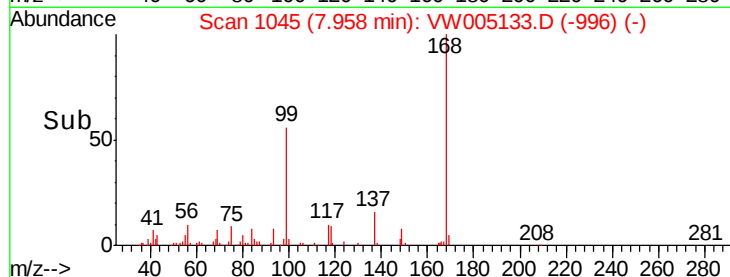
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW005133.D

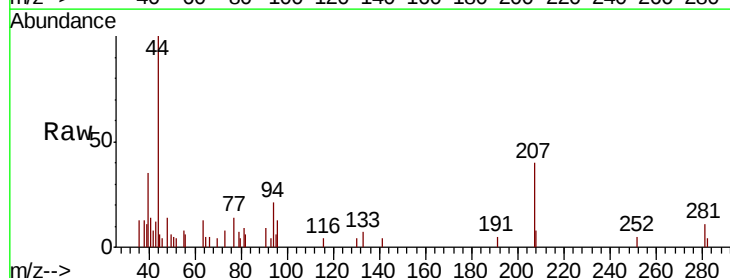
Acq: 05 Sep 2018 17:02

Tgt Ion: 94 Resp: 776

Ion Ratio Lower Upper

94 100

96 23.4 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

300

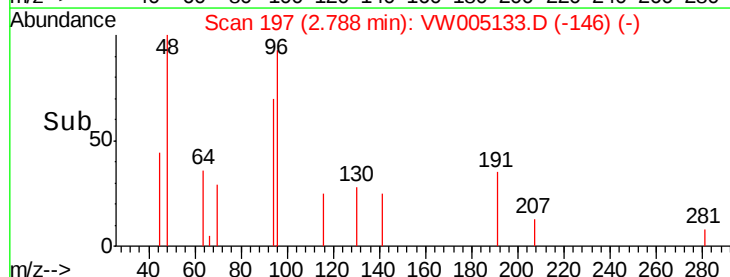
200

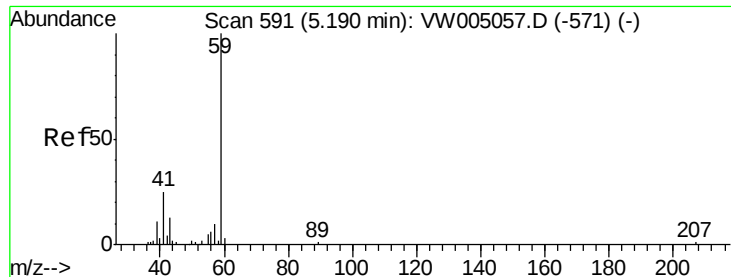
100

0

2.75 2.80 2.85

Time-->



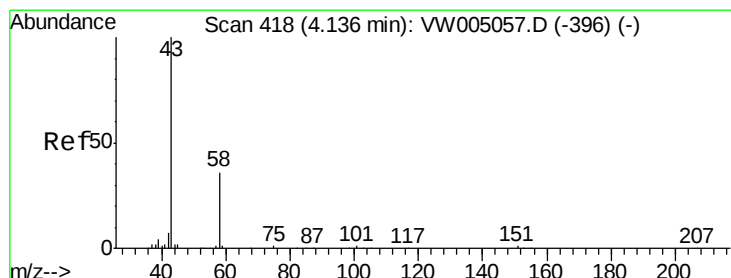
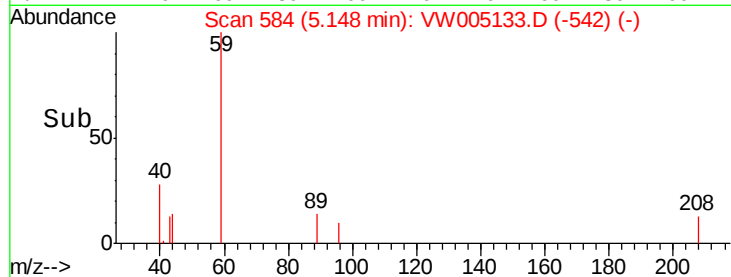
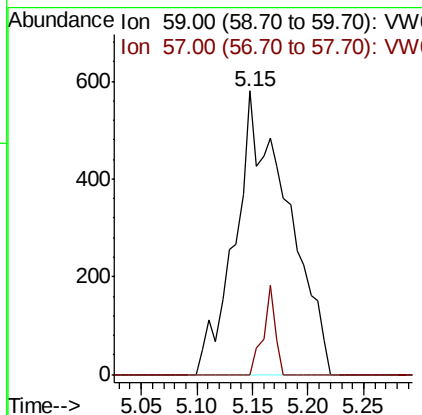
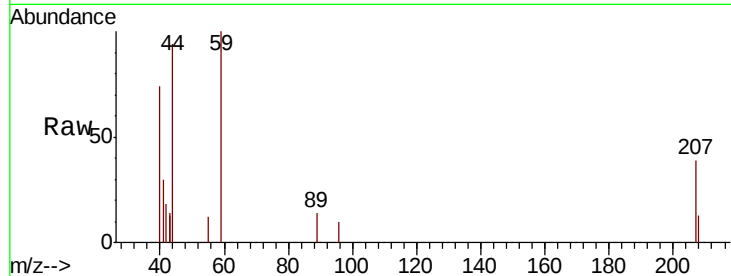


#11

Tert butyl alcohol
 Concen: 89.59 ug/l
 RT: 5.15 min Scan# 584
 Delta R.T. -0.04 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

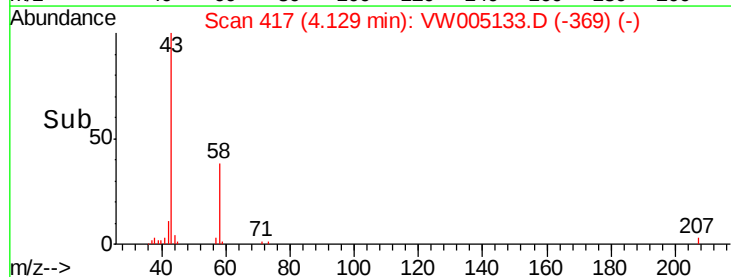
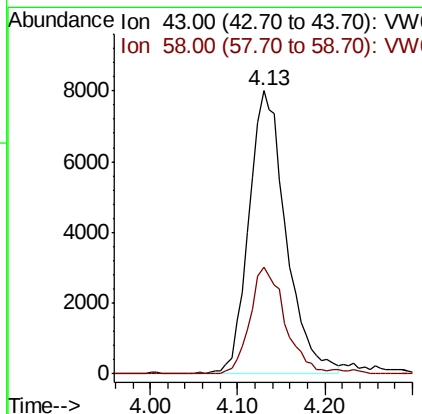
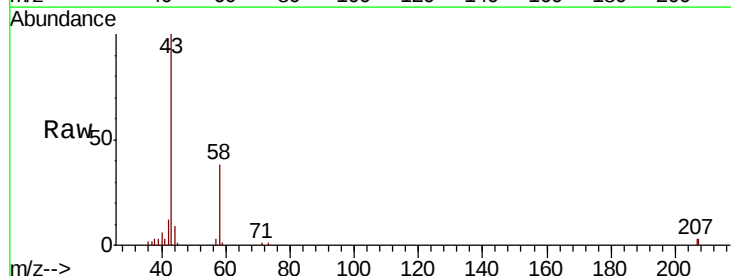
Tot Ion: 59 Resp: 1903
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.6 12.8#

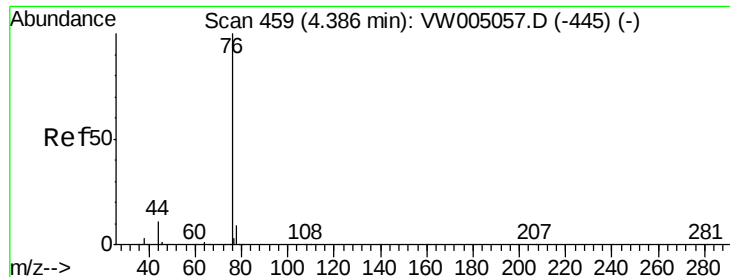


#16

Acetone
 Concen: 361.33 ug/l
 RT: 4.13 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Tgt Ion: 43 Resp: 23566
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.0 43.6





#17

Carbon Disulfide

Concen: 2.13 ug/l

RT: 4.39 min Scan# 460

Delta R.T. 0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

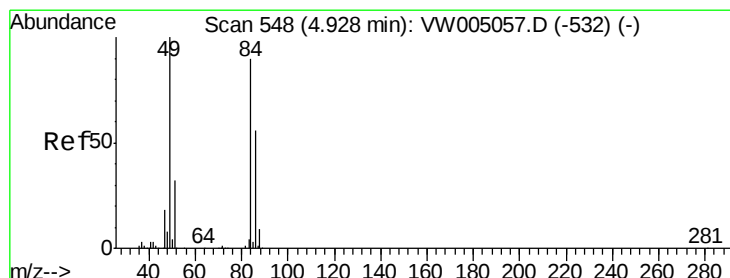
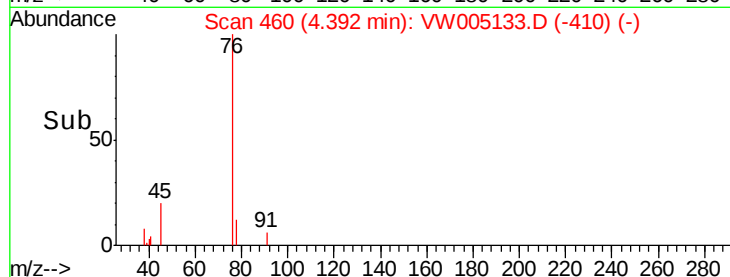
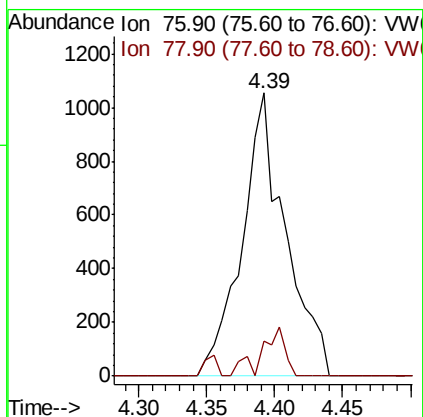
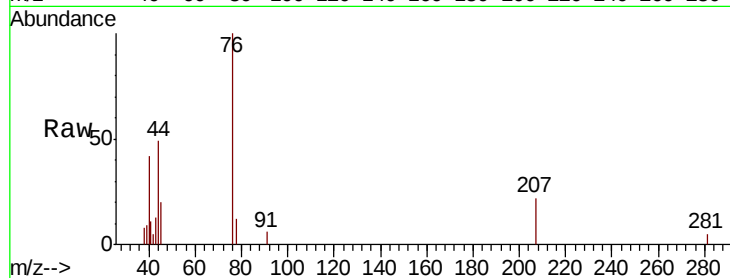
KG-SLUDGE-2RE

Tot Ion: 76 Resp: 2353

Ion Ratio Lower Upper

76 100

78 12.4 7.3 10.9#



#20

Methylene Chloride

Concen: 6.43 ug/l

RT: 4.92 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Tgt Ion: 84 Resp: 4328

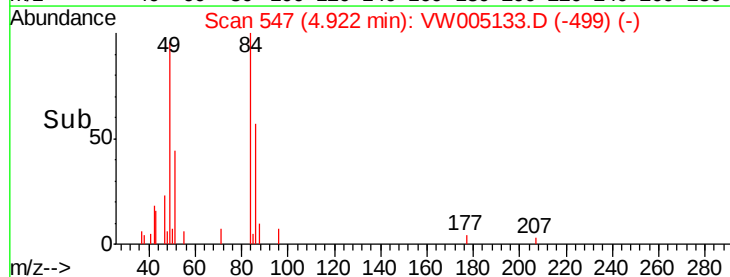
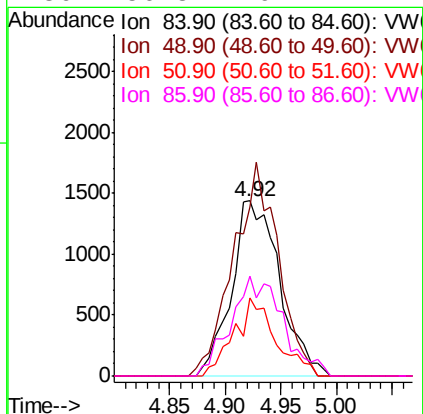
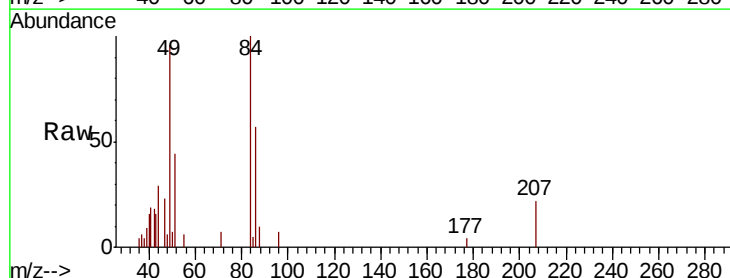
Ion Ratio Lower Upper

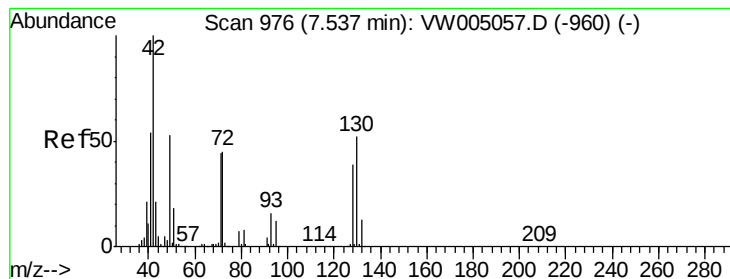
84 100

49 96.3 88.7 133.1

51 44.3 28.6 42.8#

86 56.8 49.4 74.2





#29

Tetrahydrofuran

Concen: 13.04 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

KG-SLUDGE-2RE

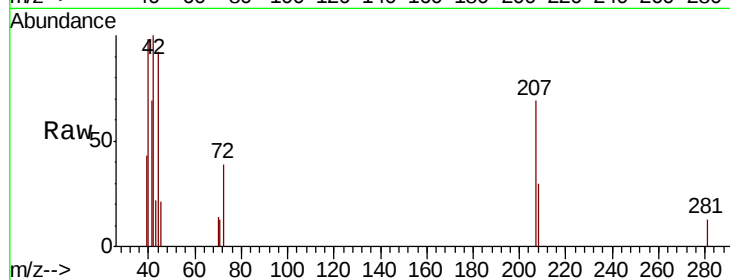
Tot Ion: 42 Resp: 754

Ion Ratio Lower Upper

42 100

72 49.2 37.0 55.4

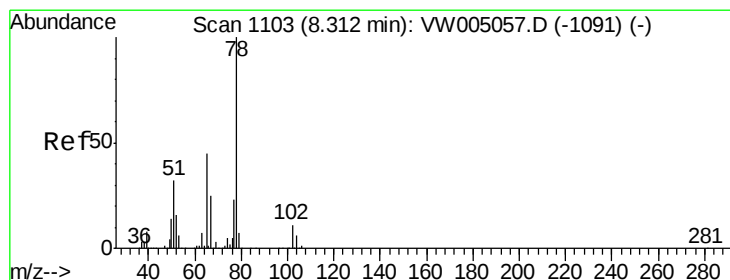
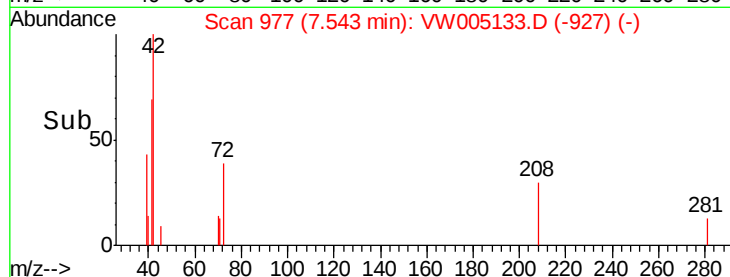
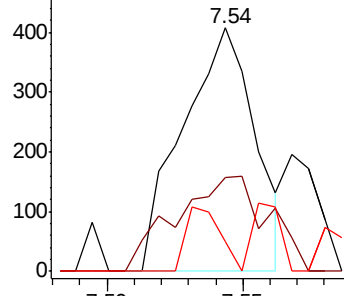
71 10.9 35.0 52.6#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#33

1,2-Dichloroethane-d4

Concen: 79.35 ug/l

RT: 8.32 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VW005133.D

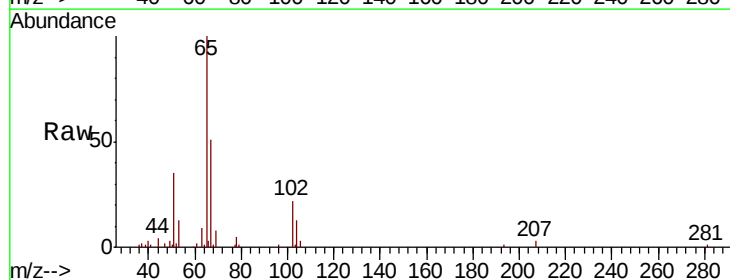
Acq: 05 Sep 2018 17:02

Tgt Ion: 65 Resp: 25804

Ion Ratio Lower Upper

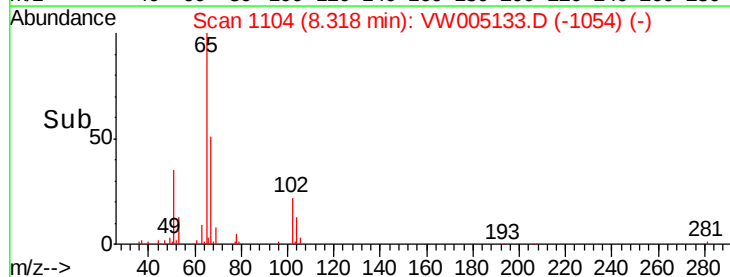
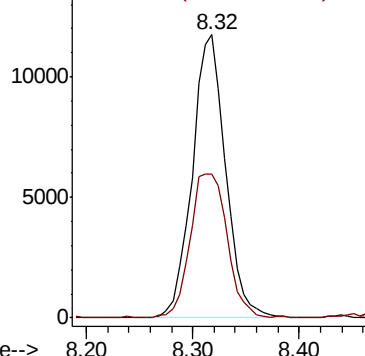
65 100

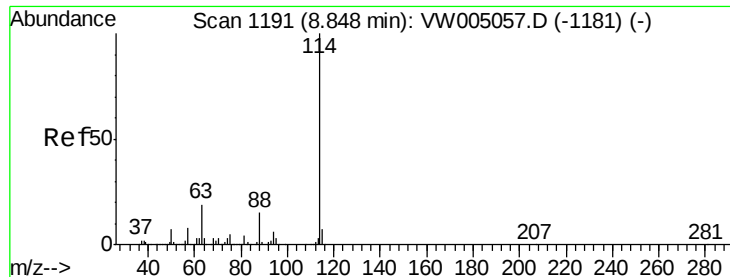
67 56.6 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

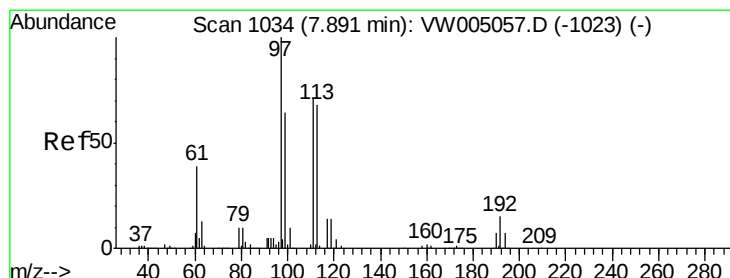
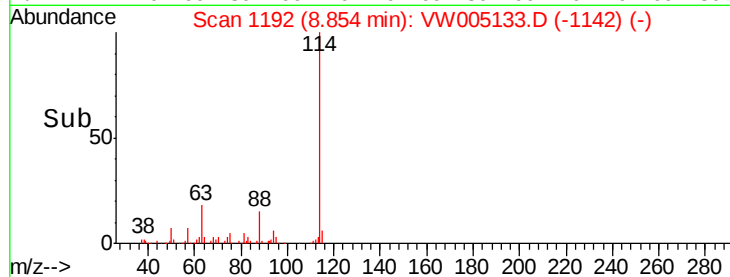
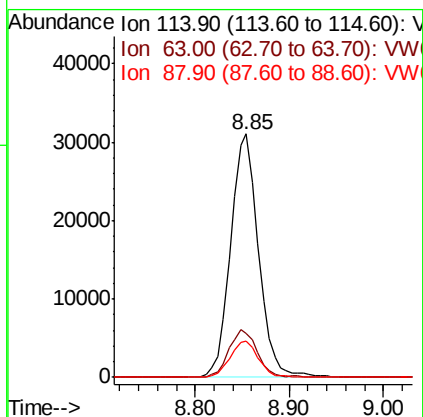
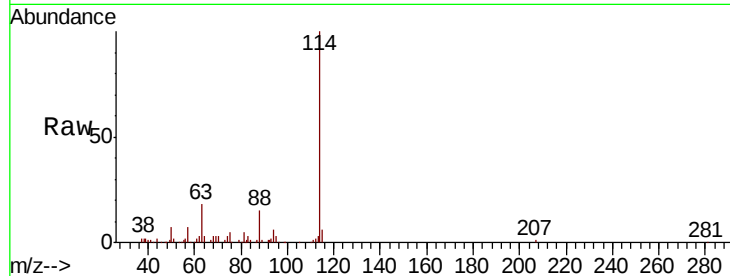




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

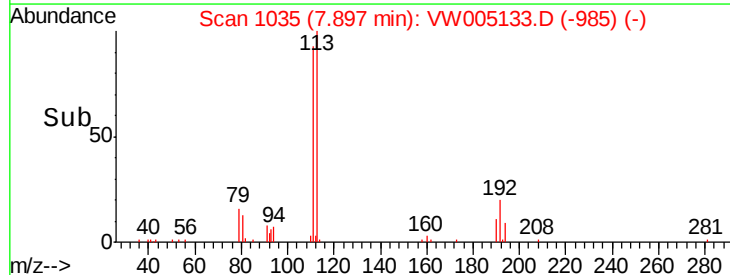
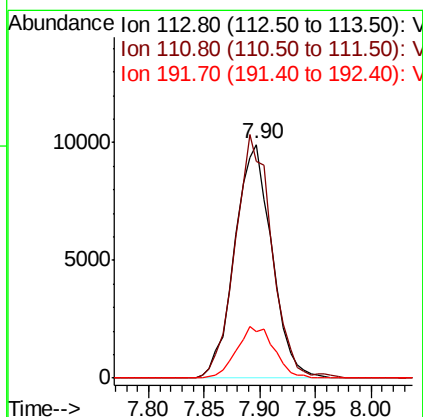
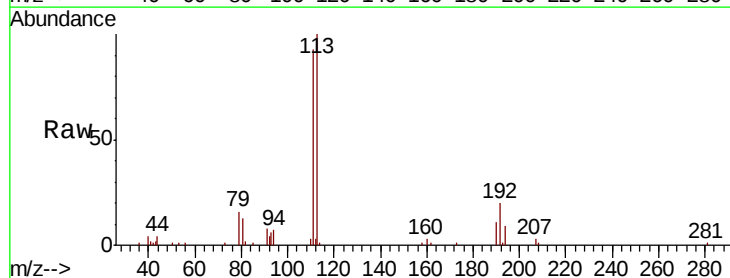
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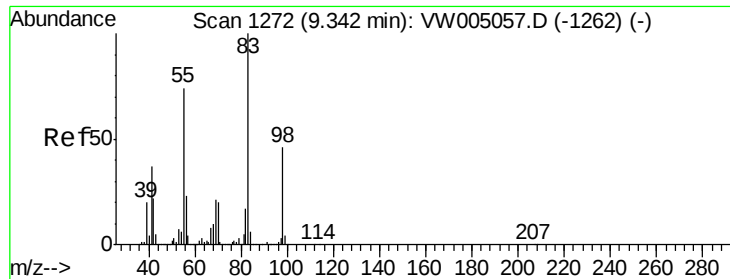
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	38.0
88	14.8	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 62.39 ug/l
 RT: 7.90 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	22.1	18.1	27.1

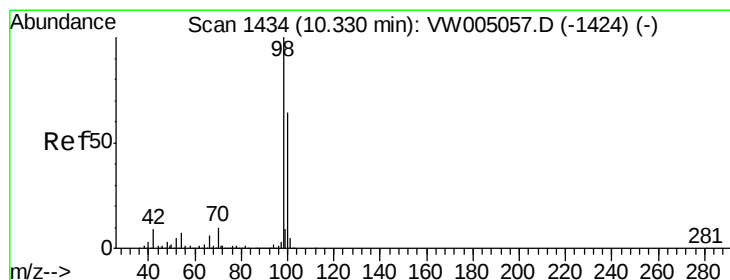
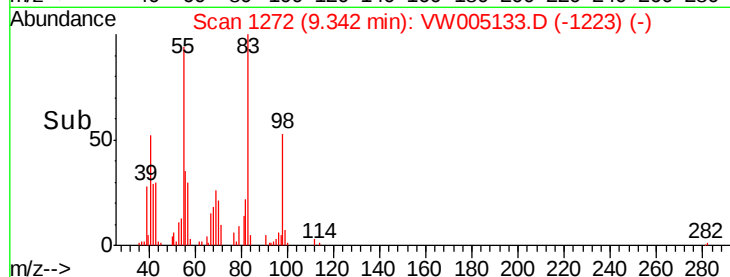
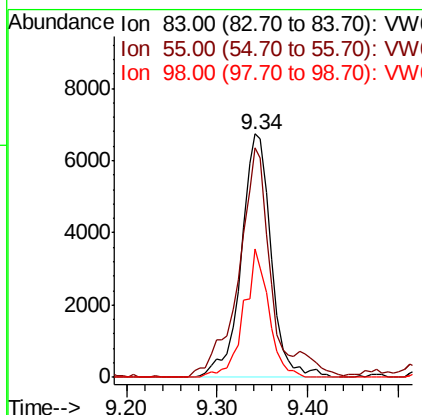
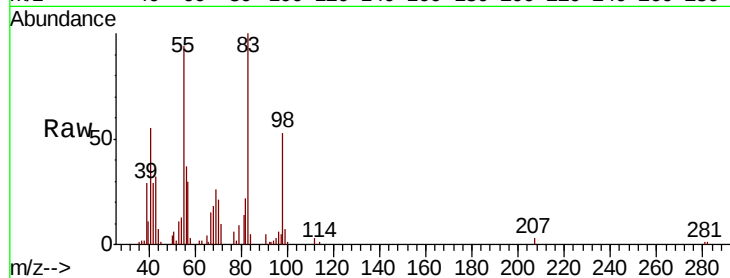




#39
Methvlcvclohexane
Concen: 20.85 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

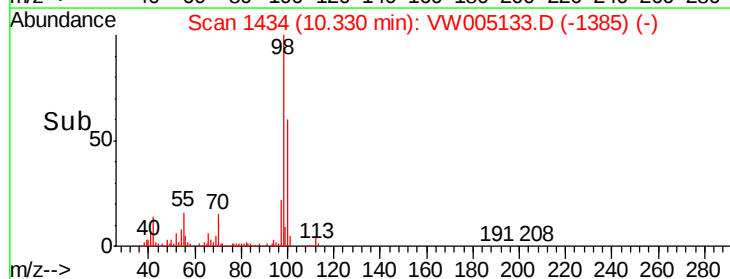
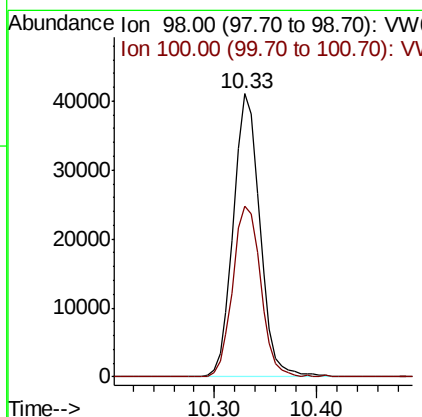
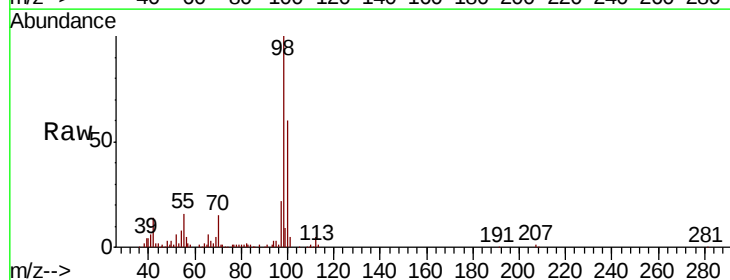
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MSVOA_W
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KG-SLUDGE-2RE

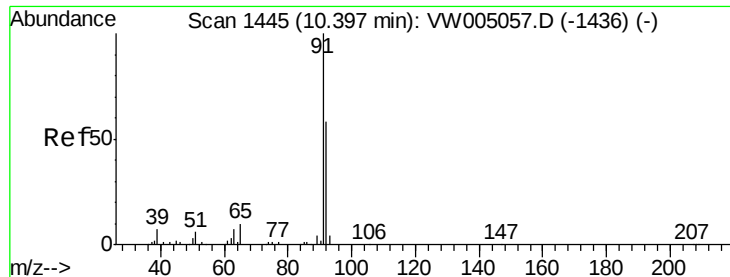
Tot Ion: 83 Resp: 15323
Ion Ratio Lower Upper
83 100
55 94.2 58.9 88.3#
98 52.8 36.8 55.2



#50
Toluene-d8
Concen: 43.68 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

Tgt Ion: 98 Resp: 74234
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5





#52

Toluene

Concen: 3.61 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

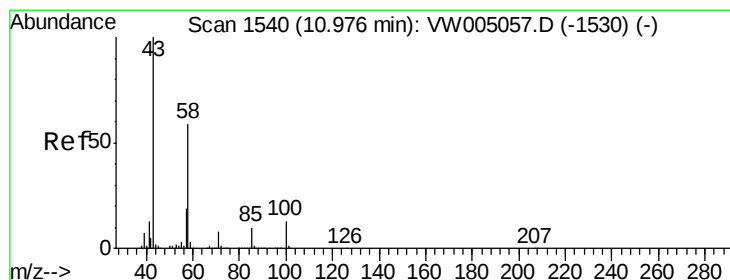
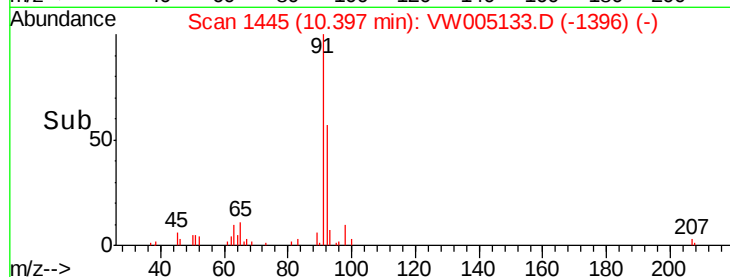
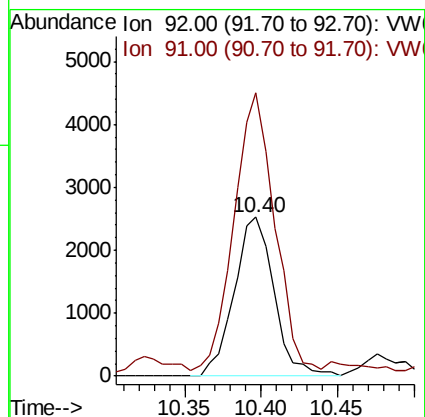
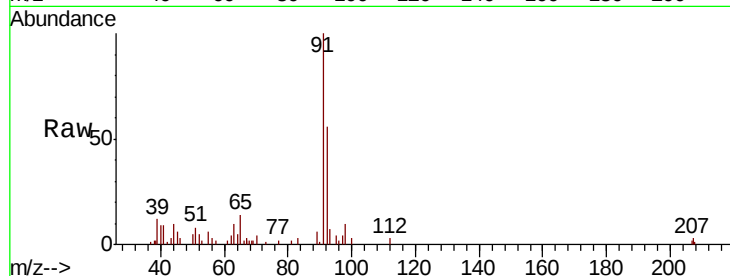
KG-SLUDGE-2RE

Tot Ion: 92 Resp: 4546

Ion Ratio Lower Upper

92 100

91 180.4 139.2 208.8



#59

2-Hexanone

Concen: 143.61 ug/l

RT: 10.84 min Scan# 1517

Delta R.T. -0.14 min

Lab File: VW005133.D

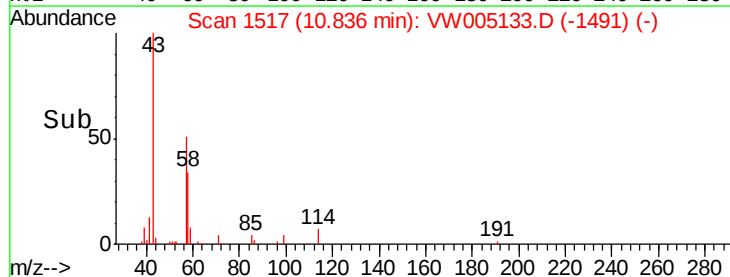
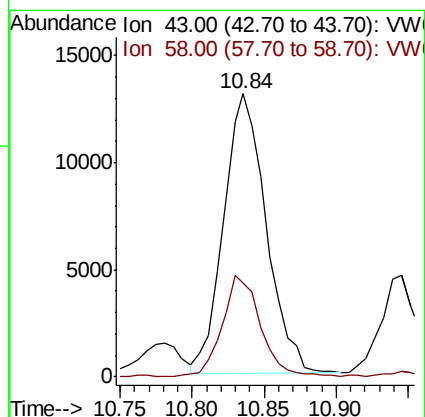
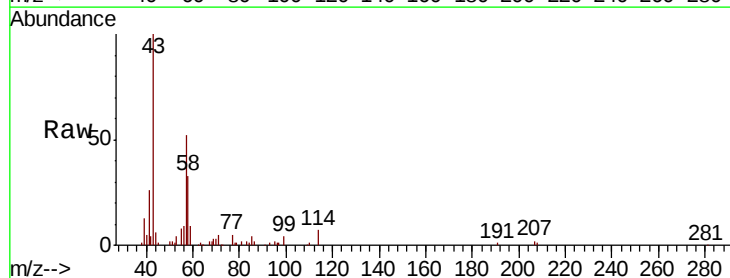
Acq: 05 Sep 2018 17:02

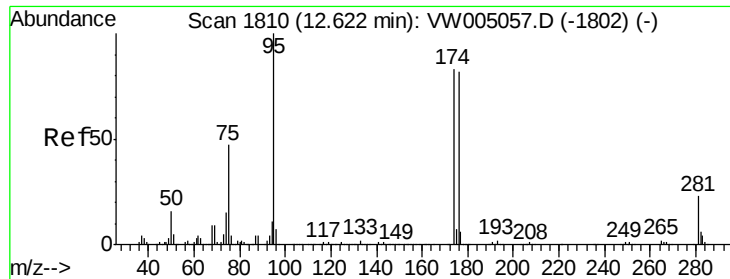
Tgt Ion: 43 Resp: 26926

Ion Ratio Lower Upper

43 100

58 32.8 28.7 86.3





#62

4-Bromofluorobenzene

Concen: 37.63 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampled :

KG-SLUDGE-2RE

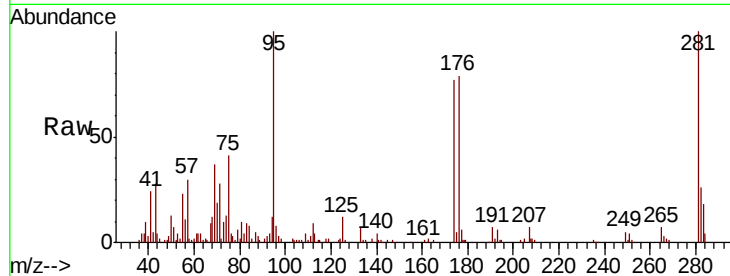
Tot Ion: 95 Resp: 22546

Ion Ratio Lower Upper

95 100

174 75.3 0.0 173.4

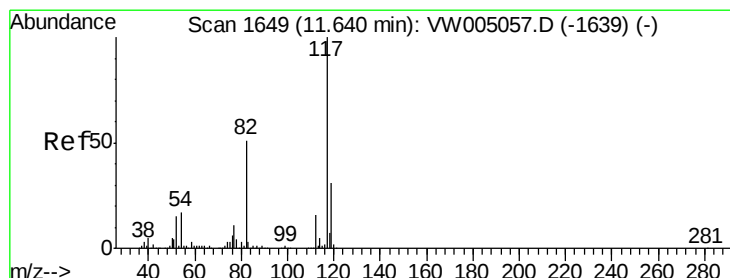
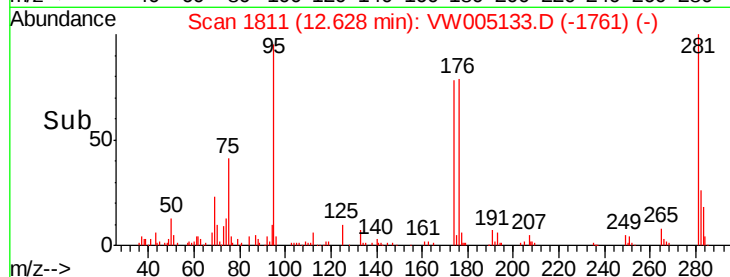
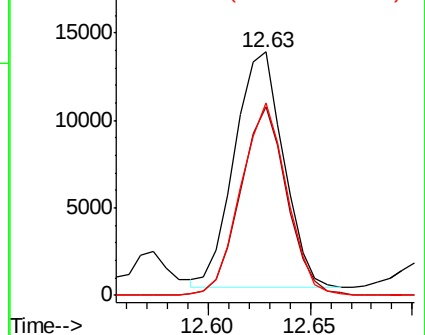
176 76.3 0.0 167.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

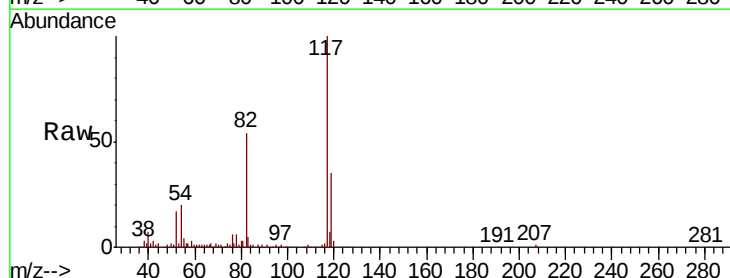
Tgt Ion: 117 Resp: 51940

Ion Ratio Lower Upper

117 100

82 51.2 40.9 61.3

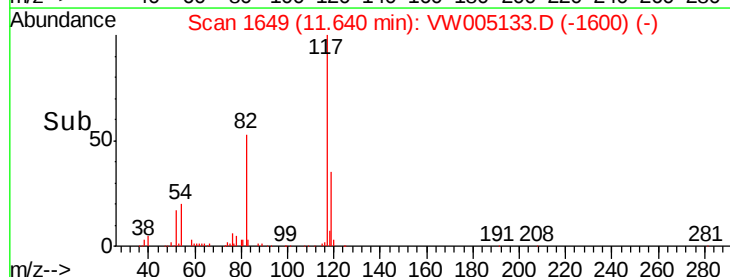
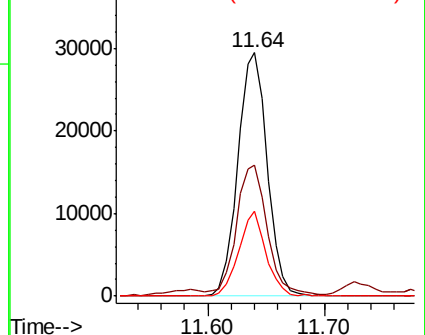
119 34.8 24.9 37.3

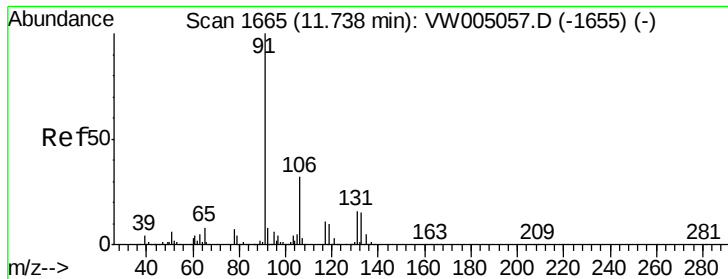


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V

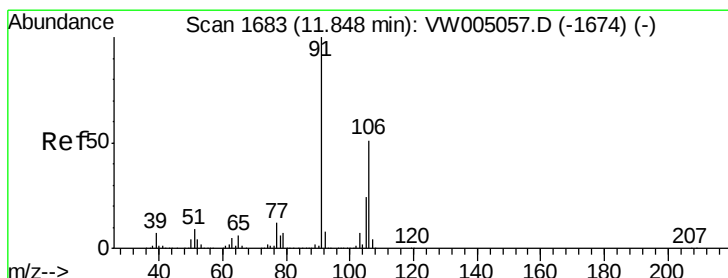
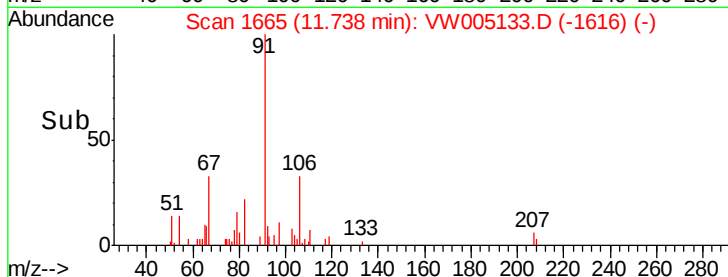
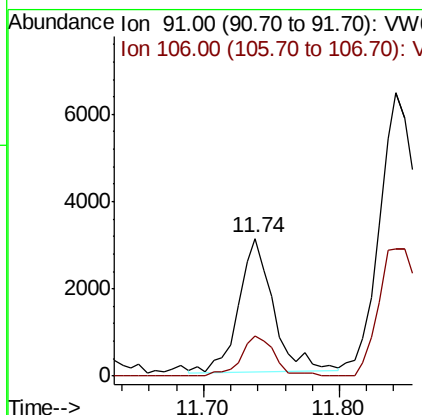
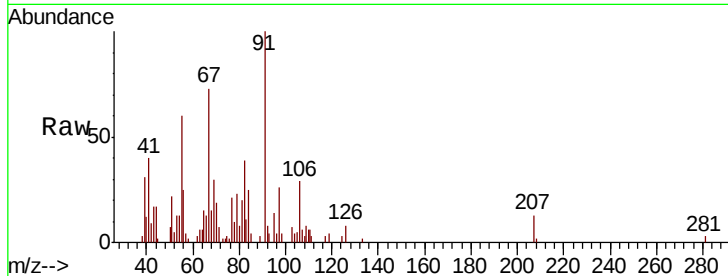




#67
Ethyl Benzene
Concen: 2.77 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

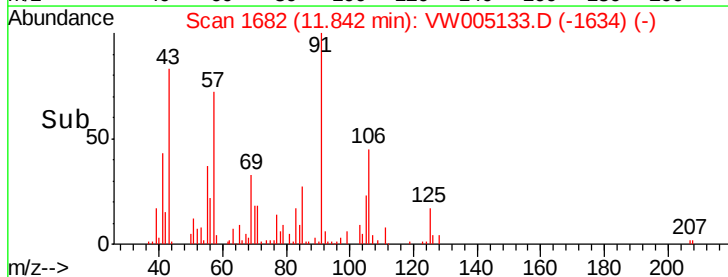
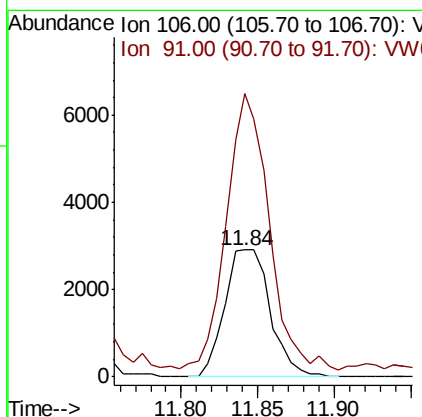
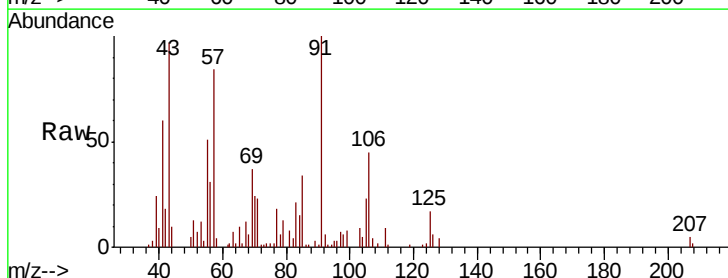
Instrument :
MSVOA_W
ClientSampled :
KG-SLUDGE-2RE

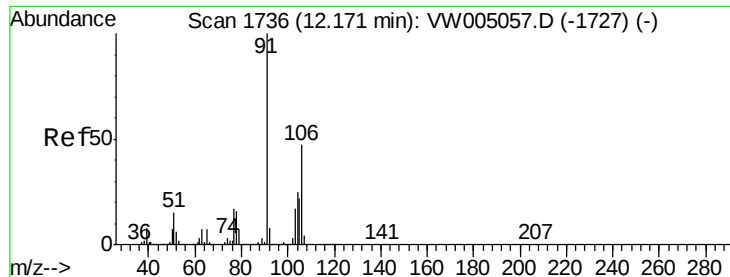
Tot Ion: 91 Resp: 5468
Ion Ratio Lower Upper
91 100
106 30.5 25.3 37.9



#68
m/p-Xylenes
Concen: 7.58 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

Tgt Ion: 106 Resp: 5998
Ion Ratio Lower Upper
106 100
91 204.0 158.4 237.6

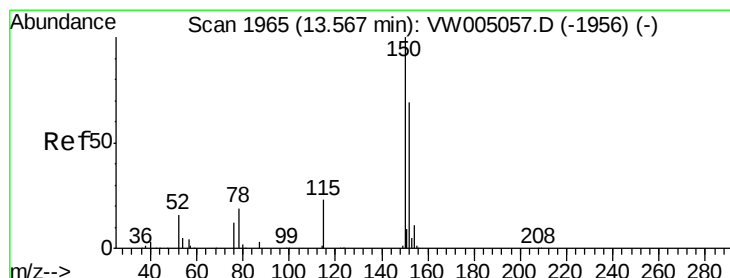
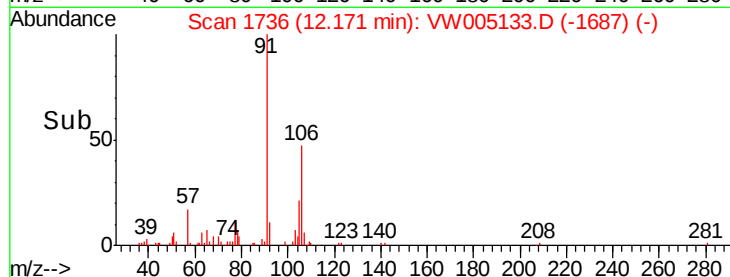
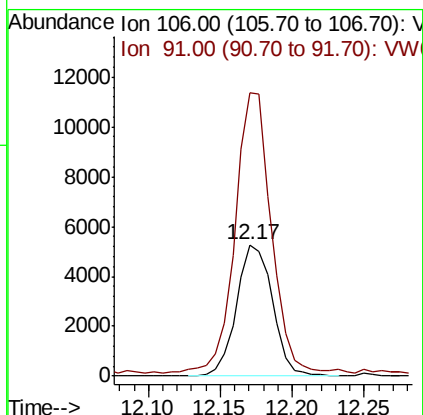
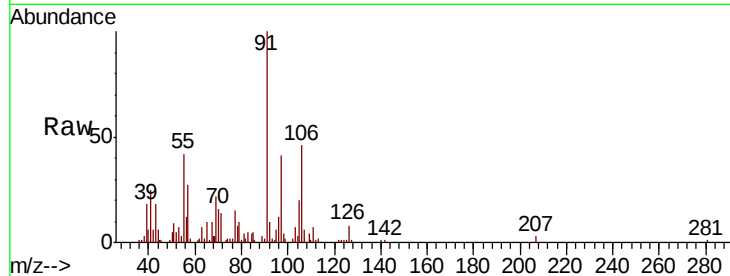




#69
o-Xylene
Concen: 12.52 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

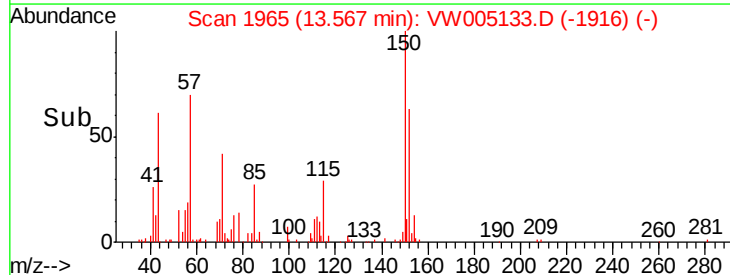
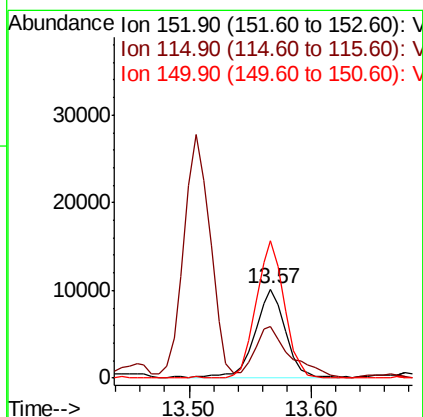
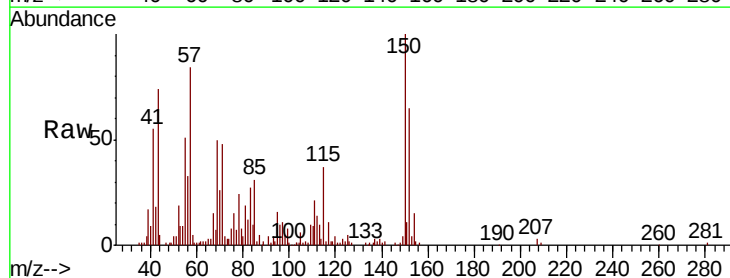
Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-2RE

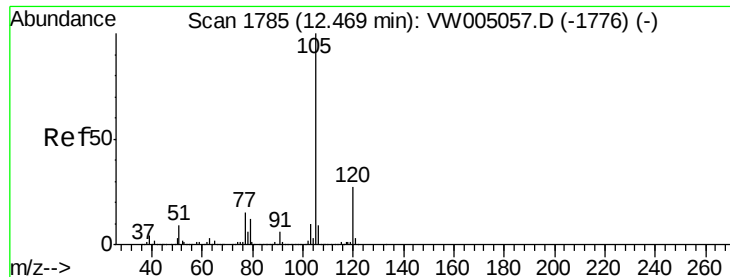
Tot Ion:106 Resp: 9162
Ion Ratio Lower Upper
106 100
91 215.5 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

Tgt Ion:152 Resp: 17449
Ion Ratio Lower Upper
152 100
115 68.8 27.8 83.4
150 144.6 0.0 351.4





#73

Isopropylbenzene

Concen: 8.91 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

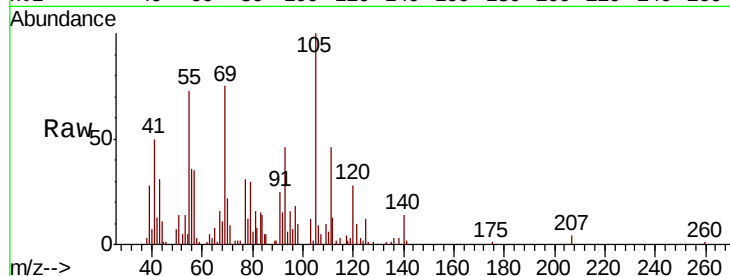
KG-SLUDGE-2RE

Tot Ion:105 Resp: 10960

Ion Ratio Lower Upper

105 100

120 25.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

6000

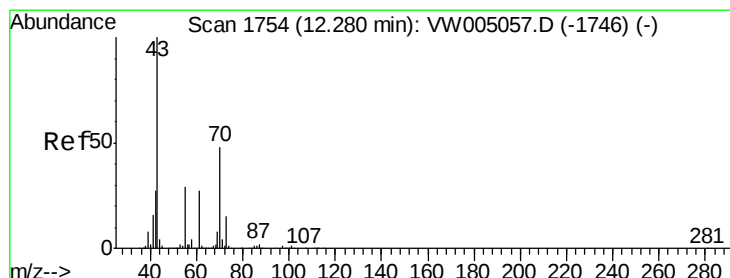
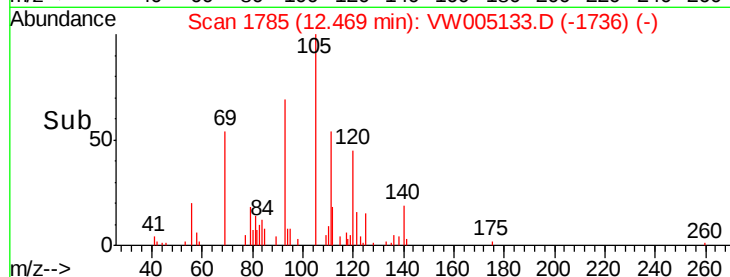
4000

2000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 66.46 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Tgt Ion: 43 Resp: 14079

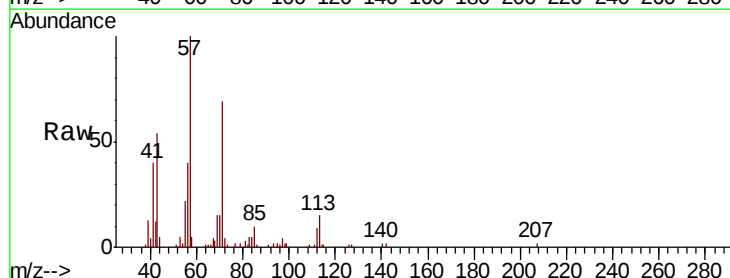
Ion Ratio Lower Upper

43 100

70 34.5 38.2 57.4#

55 46.2 23.2 34.8#

61 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

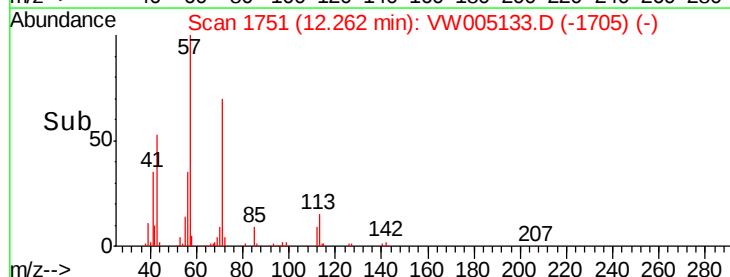
10000

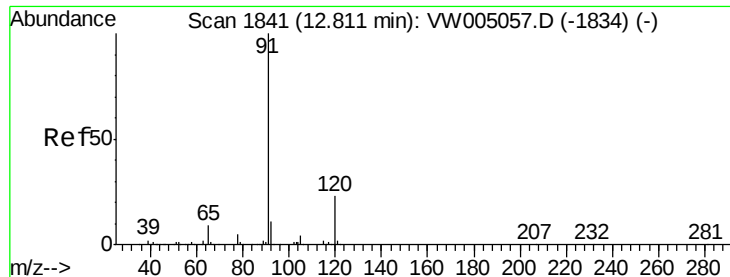
5000

0

12.20 12.25 12.30

Time-->





#78

n-propylbenzene

Concen: 15.93 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

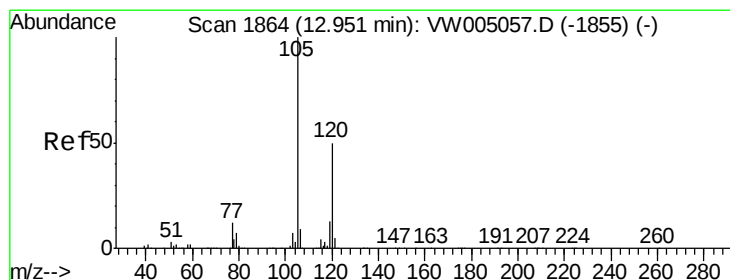
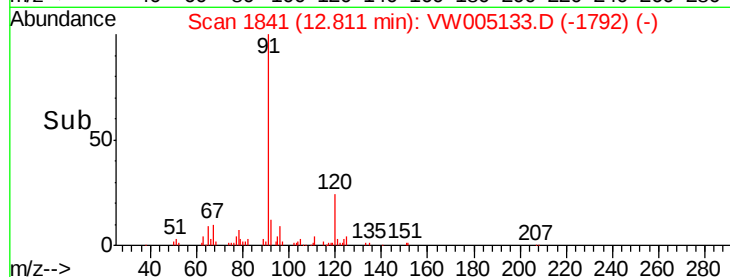
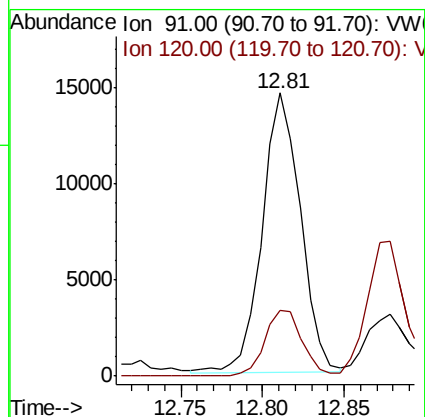
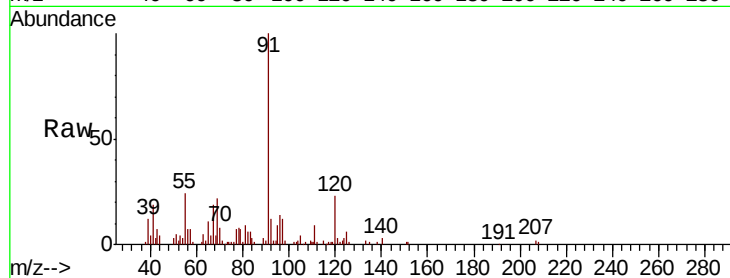
KG-SLUDGE-2RE

Tot Ion: 91 Resp: 23659

Ion Ratio Lower Upper

91 100

120 22.9 11.8 35.3



#80

1,3,5-Trimethylbenzene

Concen: 56.82 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW005133.D

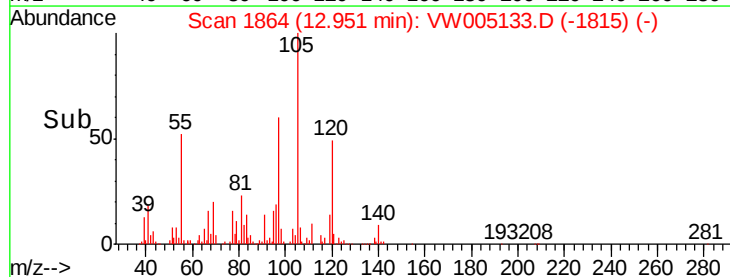
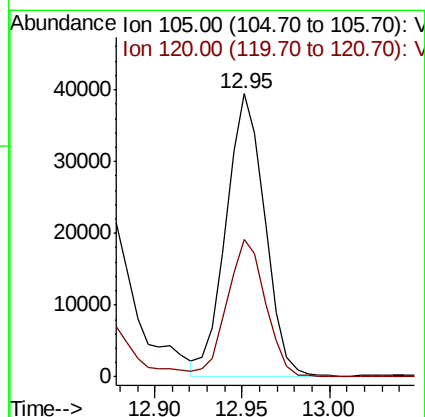
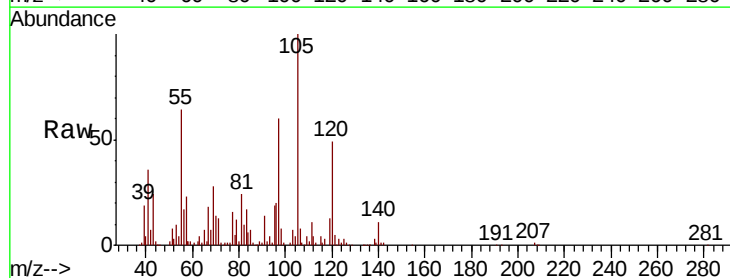
Acq: 05 Sep 2018 17:02

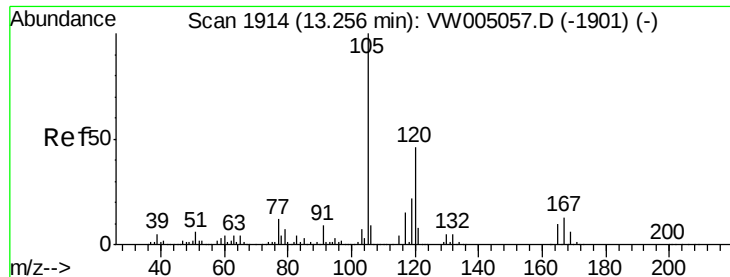
Tgt Ion: 105 Resp: 60455

Ion Ratio Lower Upper

105 100

120 48.3 24.9 74.8

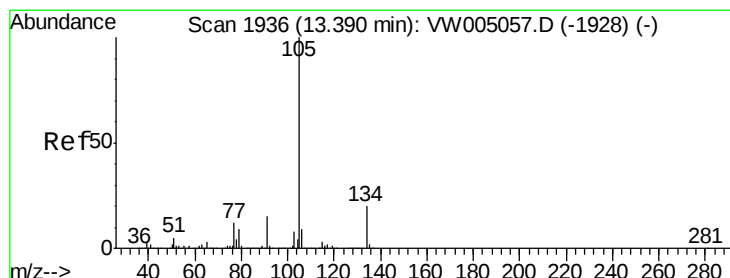
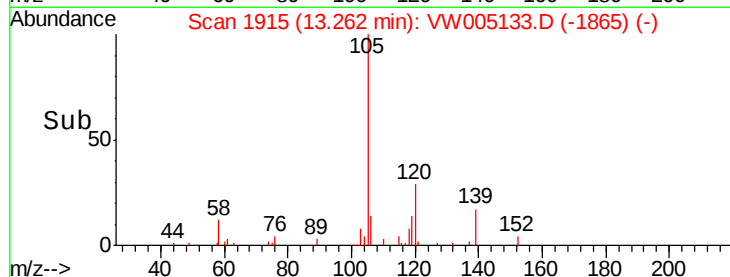
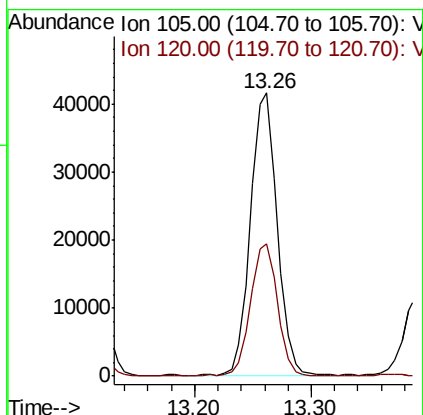
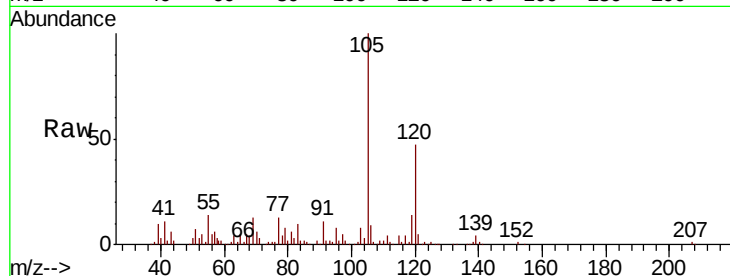




#84
 1,2,4-Trimethylbenzene
 Concen: 61.17 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

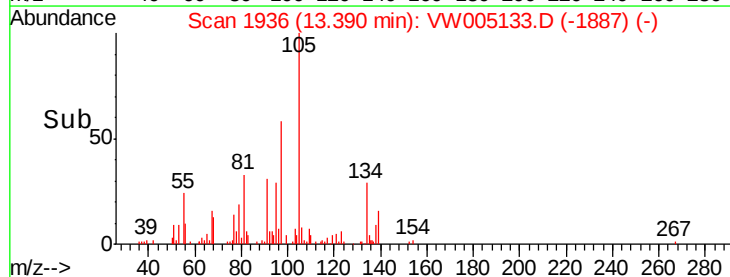
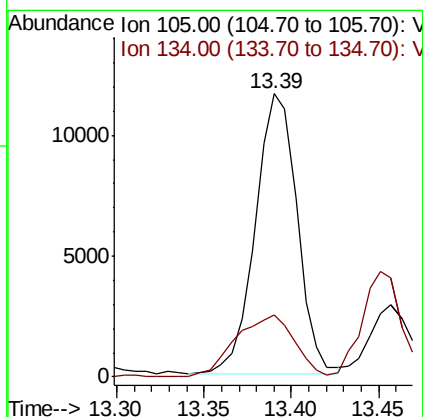
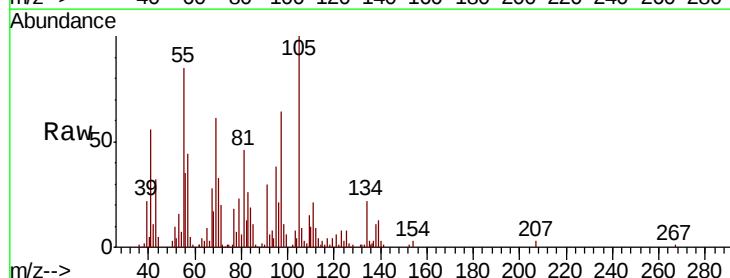
Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

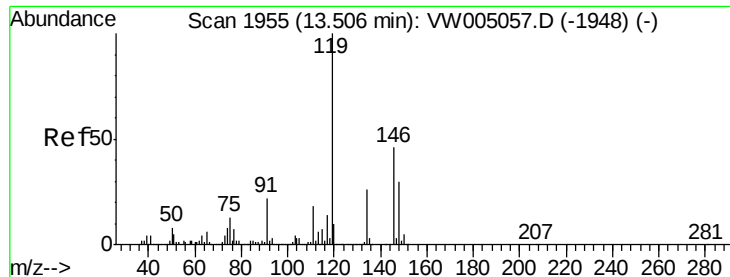
Tot Ion:105 Resp: 66288
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 14.73 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Tgt Ion:105 Resp: 19230
 Ion Ratio Lower Upper
 105 100
 134 31.1 10.1 30.3#

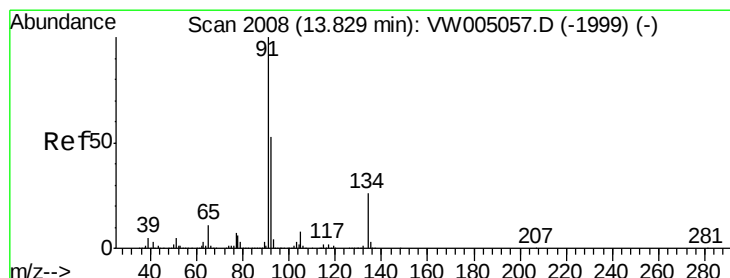
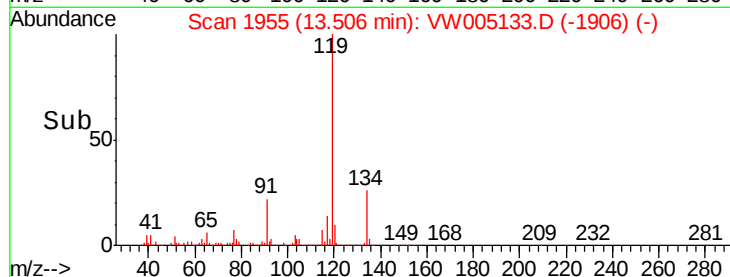
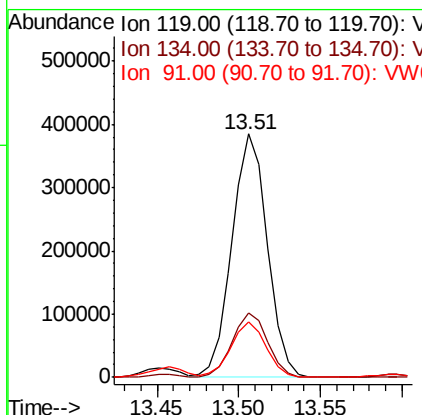
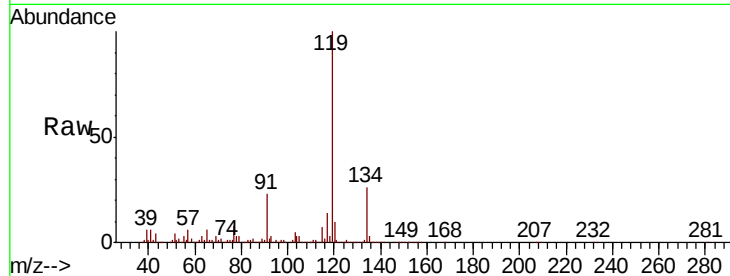




#86
p-Isopropyltoluene
Concen: 503.02 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

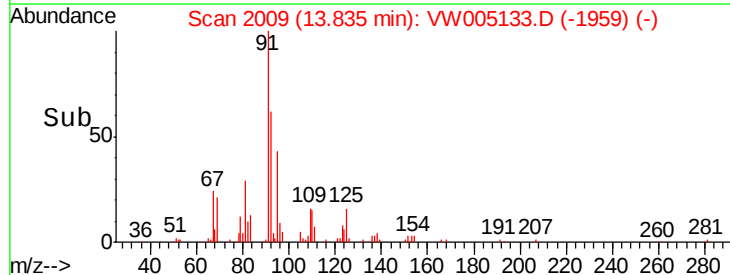
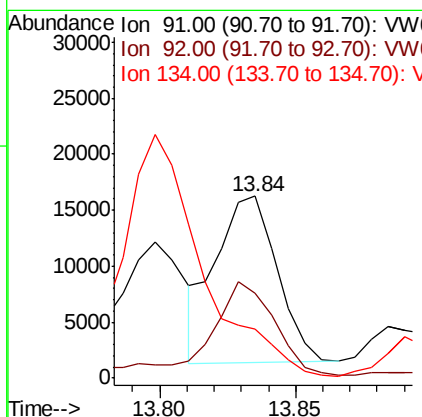
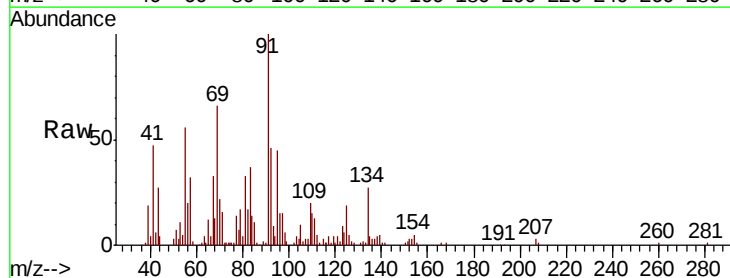
Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-2RE

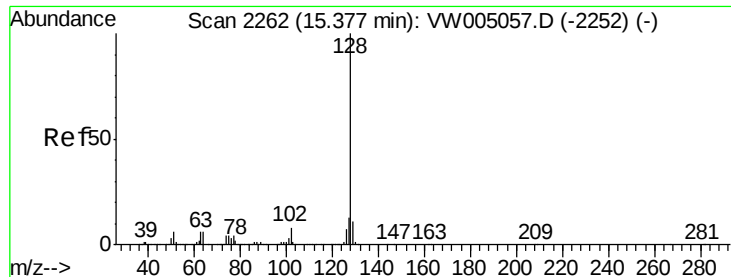
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	22.4	10.9	32.9



#89
n-Butylbenzene
Concen: 21.70 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	26.5	79.5
134	0.0	13.5	40.4





#95
 Naphthalene
 Concen: 24.06 ug/l
 RT: 15.38 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	4.0	8.7	13.1#

