

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 : 4.34G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

Quant Time: Sep 05 18:06:30 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
3) Chloromethane	2.22	50	538	1.17	ug/l #	42
5) Bromomethane	2.79	94	776	Below Cal	#	28
10) Methyl Iodide	4.28	142	917	5.46	ug/l #	92
11) Tert butyl alcohol	5.15	59	1903	89.59	ug/l #	91
13) Acrolein	3.91	56	26	1.23	ug/l #	1
16) Acetone	4.13	43	23566	361.33	ug/l	97
17) Carbon Disulfide	4.39	76	2353	2.13	ug/l #	91
18) Methyl Acetate	4.68	43	212	1.10	ug/l #	49
20) Methylene Chloride	4.92	84	4328	6.43	ug/l #	88
25) 2-Butanone	7.18	43	1078	9.53	ug/l #	79
26) 2,2-Dichloropropane	7.13	77	1107	2.07	ug/l #	51
29) Tetrahydrofuran	7.54	42	754	13.04	ug/l #	73
31) Cyclohexane	7.95	56	6816	10.67	ug/l #	85
36) 1,1-Dichloropropene	7.96	75	3166	5.21	ug/l #	45
38) Carbon Tetrachloride	7.96	117	3668	6.35	ug/l #	17
39) Methylcyclohexane	9.34	83	15323	20.85	ug/l #	81
40) Benzene	8.33	78	2052	1.10	ug/l #	87
43) Isopropyl Acetate	8.43	43	1362	3.29	ug/l #	48
48) Methyl methacrylate	9.47	41	703	3.53	ug/l #	29
51) 4-Methyl-2-Pentanone	10.26	43	1289	4.65	ug/l	95
52) Toluene	10.40	92	4546	3.61	ug/l	95
55) 1,1,2-Trichloroethane	10.77	97	9879	29.35	ug/l #	23
56) Ethyl methacrylate	10.67	69	3206	8.35	ug/l #	27
59) 2-Hexanone	10.84	43	26926	143.61	ug/l	67
61) 1,2-Dibromoethane	11.24	107	347	1.14	ug/l #	1
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
75) 1,1,2,2-Tetrachloroethane	12.70	83	1900	10.14	ug/l #	52
76) 1,2,3-Trichloropropane	12.78	75	348	2.66	ug/l #	100
78) n-propylbenzene	12.81	91	23659	15.93	ug/l	99
79) 2-Chlorotoluene	12.88	91	6171	7.12	ug/l #	40

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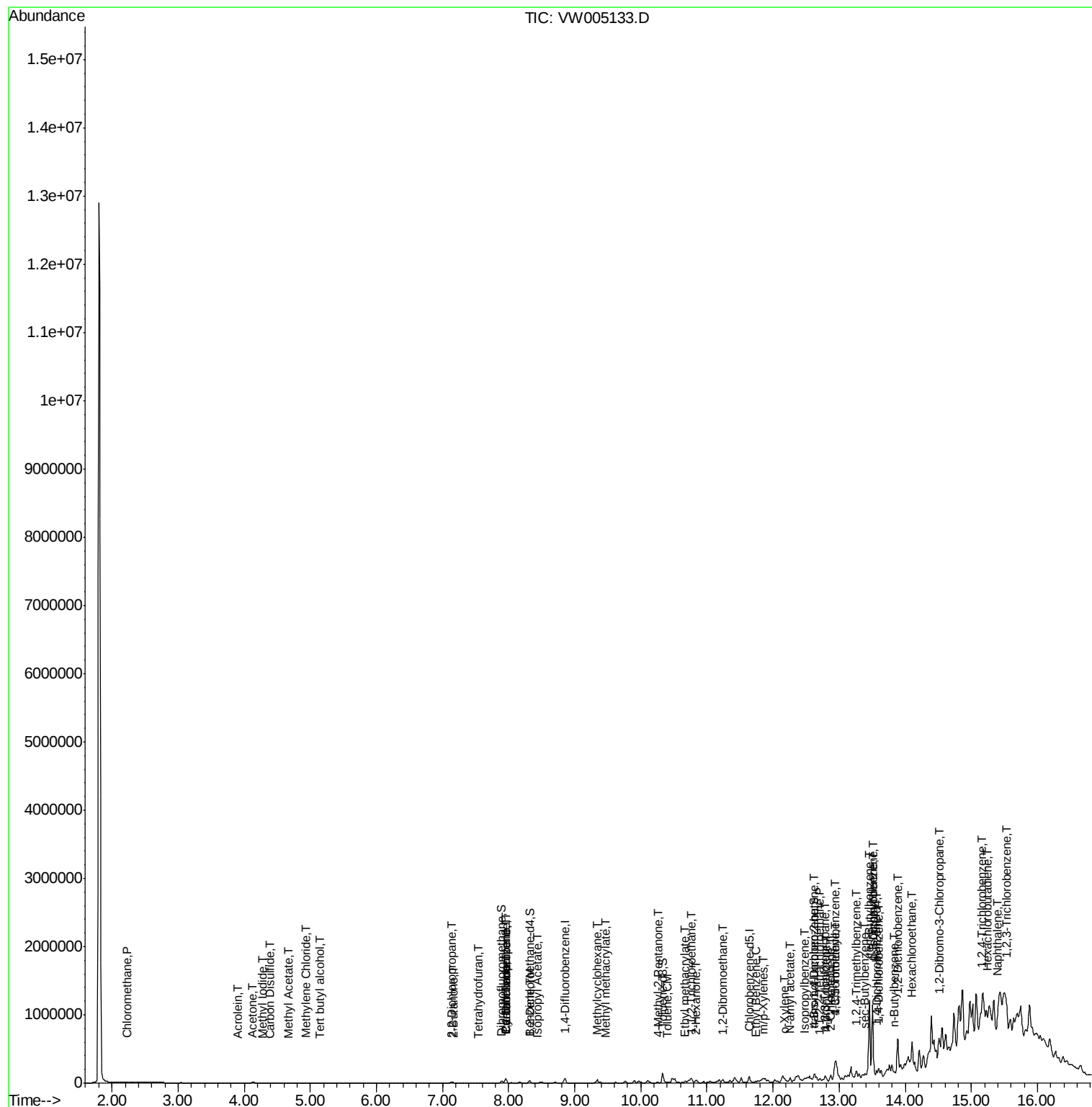
80) 1,3,5-Trimethylbenzene	12.95	105	60455	56.82	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	10066	184.98	ug/l #	17
82) 4-Chlorotoluene	12.95	91	11272	12.32	ug/l #	49
83) tert-Butylbenzene	13.45	119	22237	25.03	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.26	105	66288	61.17	ug/l	98
85) sec-Butylbenzene	13.39	105	19230	14.73	ug/l #	76
86) p-Isopropyltoluene	13.51	119	581438	503.02	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	869	1.40	ug/l #	69
88) 1,4-Dichlorobenzene	13.59	146	1442	2.33	ug/l #	1
89) n-Butylbenzene	13.84	91	23241	21.70	ug/l #	76
90) Hexachloroethane	14.11	117	14496	75.50	ug/l #	5
91) 1,2-Dichlorobenzene	13.88	146	899	1.66	ug/l #	75
92) 1,2-Dibromo-3-Chloropropan	14.52	75	528	18.04	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.15	180	5265	14.47	ug/l #	1
94) Hexachlorobutadiene	15.24	225	440	1.94	ug/l	87
95) Naphthalene	15.38	128	13725	24.06	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.54	180	16335	52.45	ug/l #	12

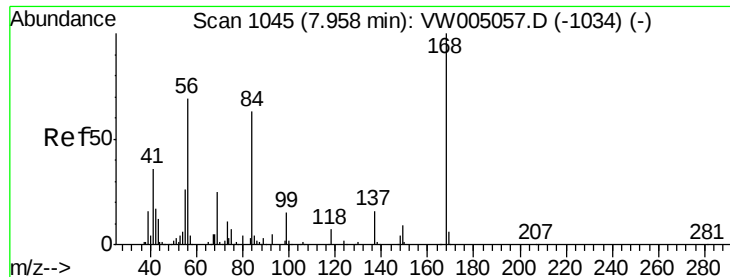
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

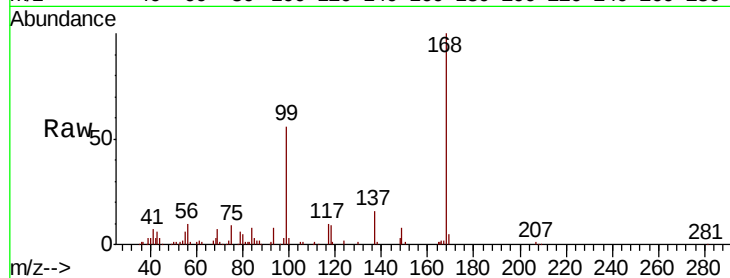
KG-SLUDGE-2RE

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): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

20000

15000

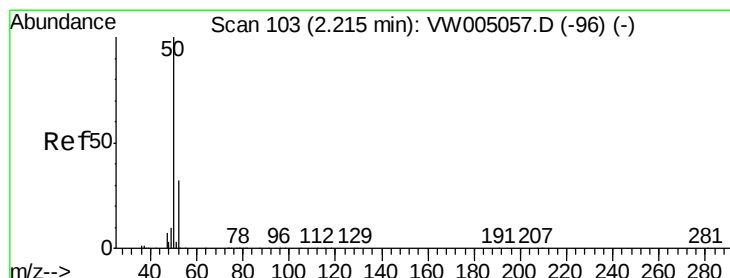
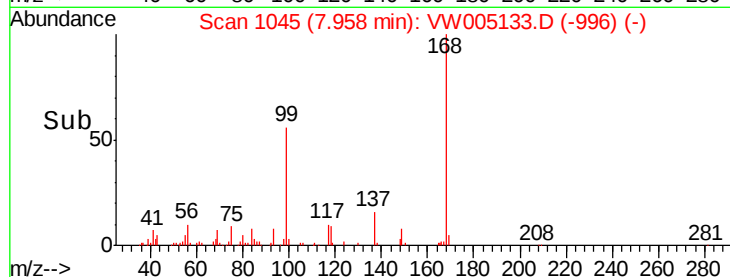
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#3

Chloromethane

Concen: 1.17 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW005133.D

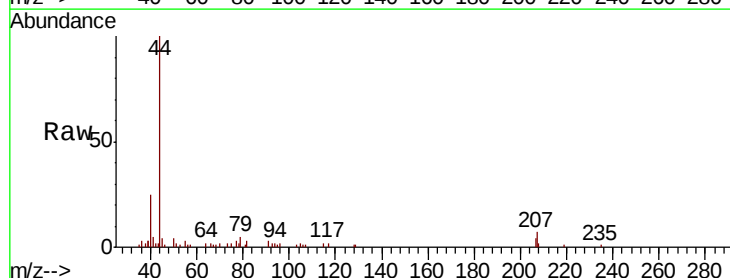
Acq: 05 Sep 2018 17:02

Tgt Ion: 50 Resp: 538

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

250

200

150

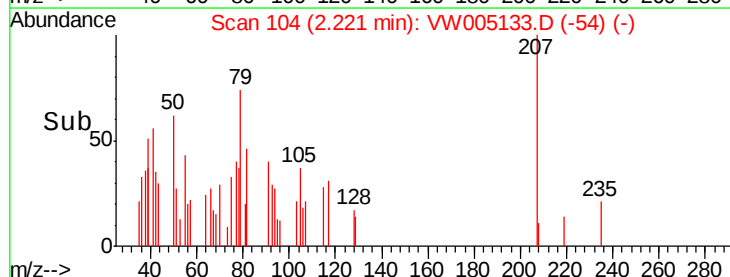
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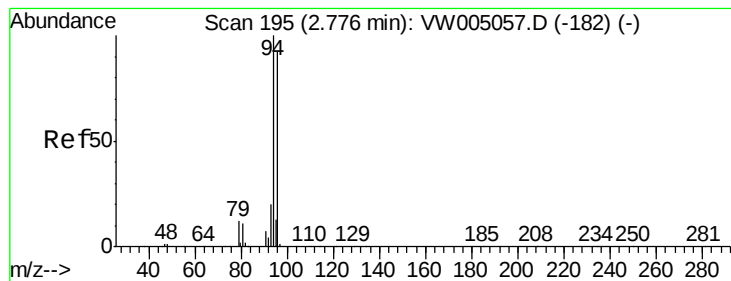
50

0

2.20 2.25

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

Instrument :

MSVOA_W

ClientSampleId :

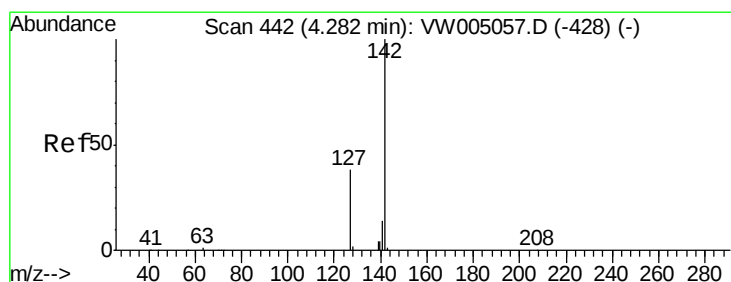
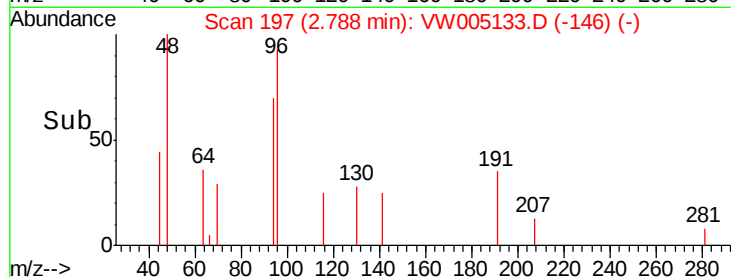
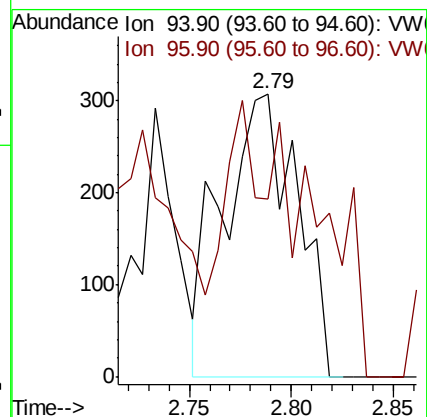
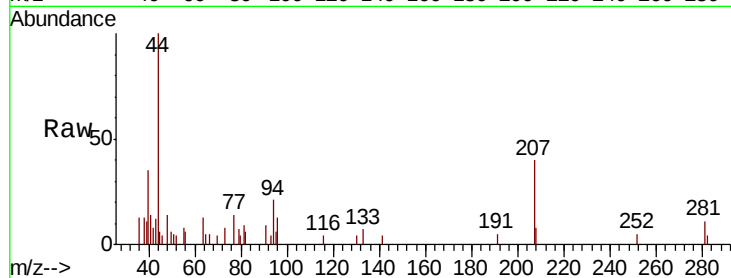
KG-SLUDGE-2RE

Tot Ion: 94 Resp: 776

Ion Ratio Lower Upper

94 100

96 23.4 73.2 109.8#



#10

Methyl Iodide

Concen: 5.46 ug/l

RT: 4.28 min Scan# 442

Delta R.T. 0.00 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

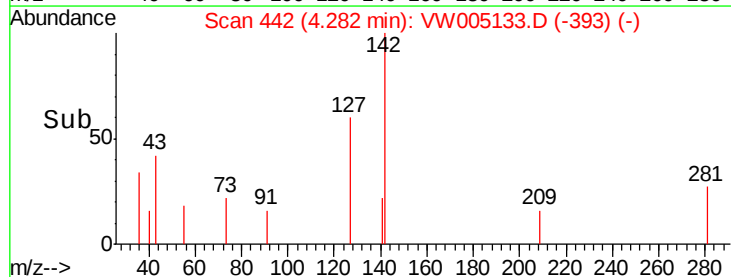
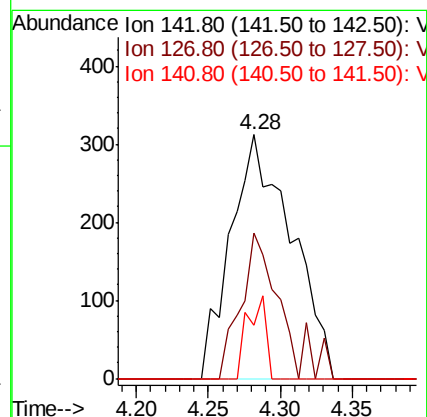
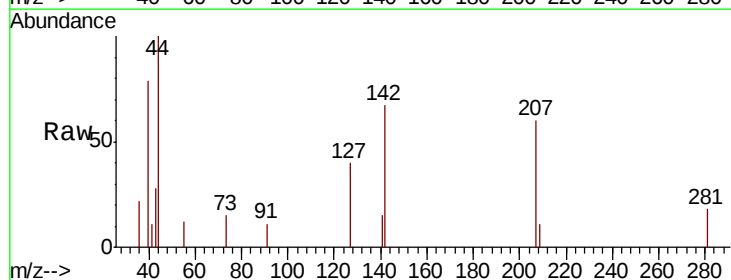
Tgt Ion: 142 Resp: 917

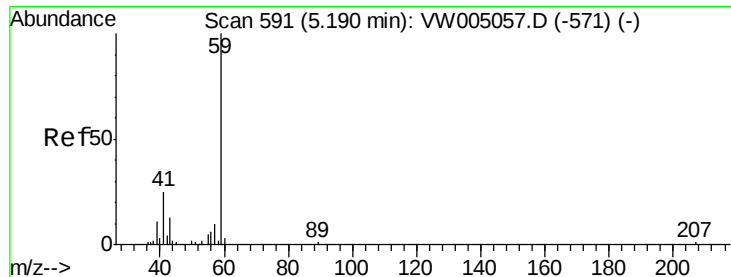
Ion Ratio Lower Upper

142 100

127 34.4 30.8 46.2

141 10.3 11.6 17.4#



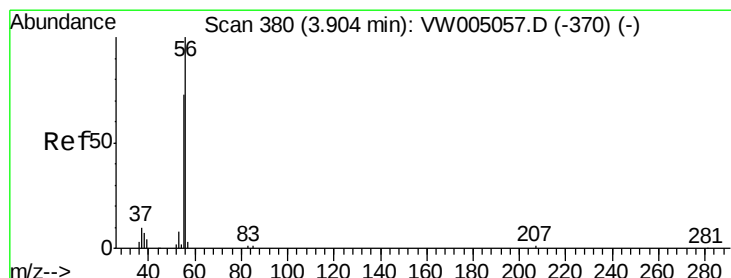
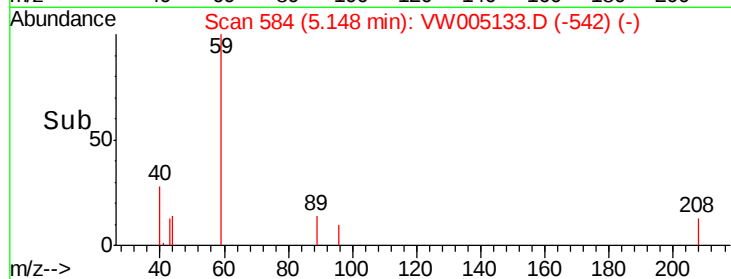
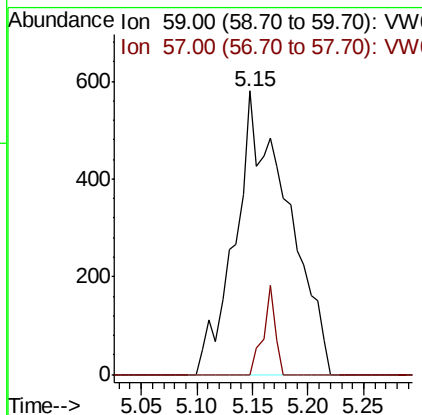
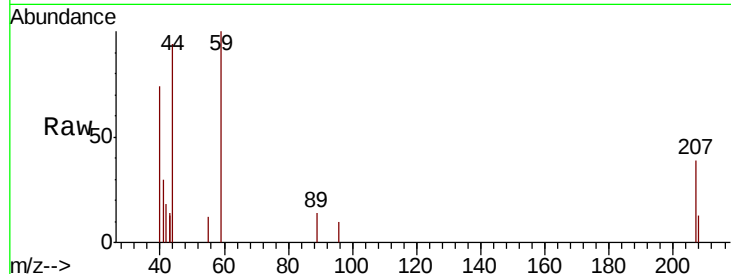


#11

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

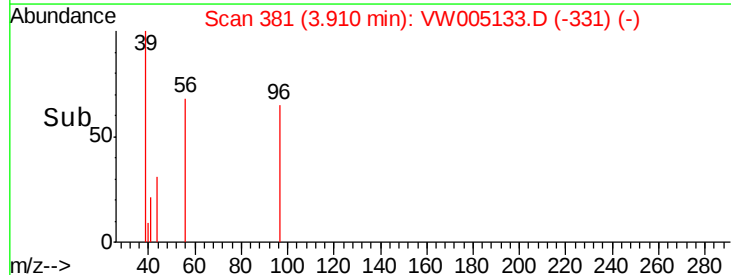
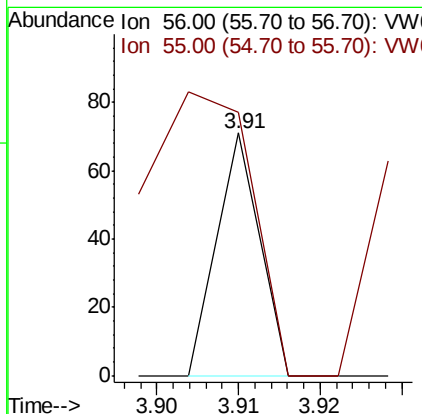
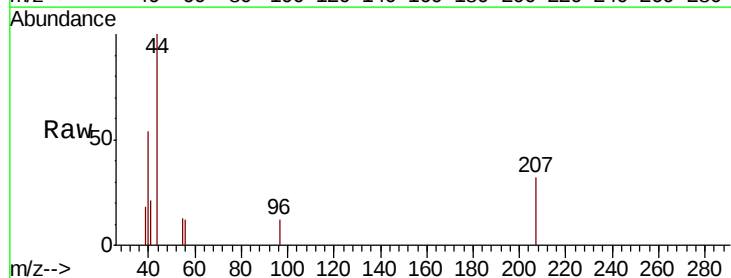
Tot Ion: 59 Resp: 1903
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.6 12.8#

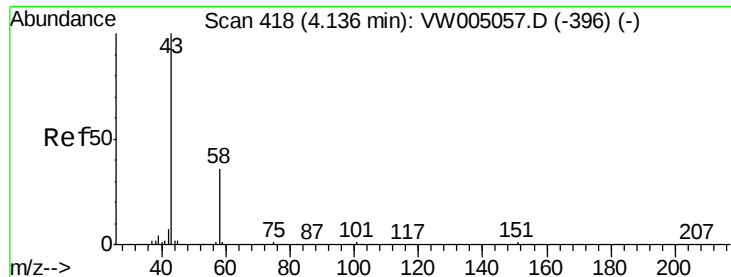


#13

Acrolein
 Concen: 1.23 ug/l
 RT: 3.91 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Tgt Ion: 56 Resp: 26
 Ion Ratio Lower Upper
 56 100
 55 161.5 58.1 87.1#





#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

Instrument :

MSVOA_W

ClientSampleId :

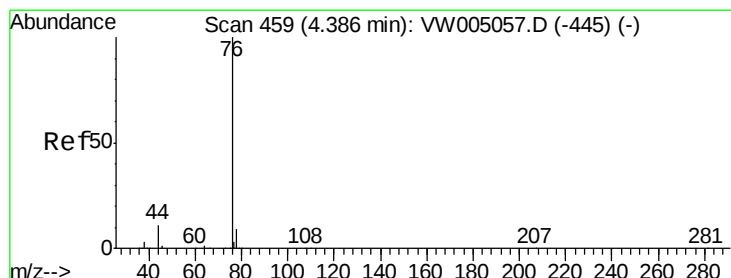
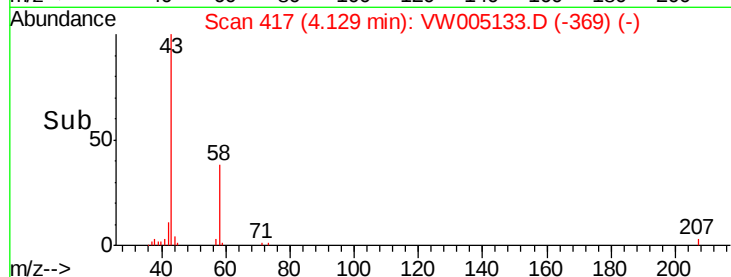
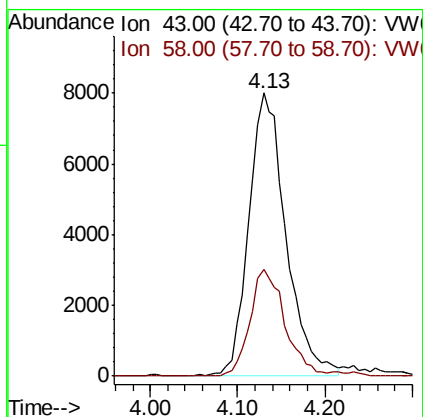
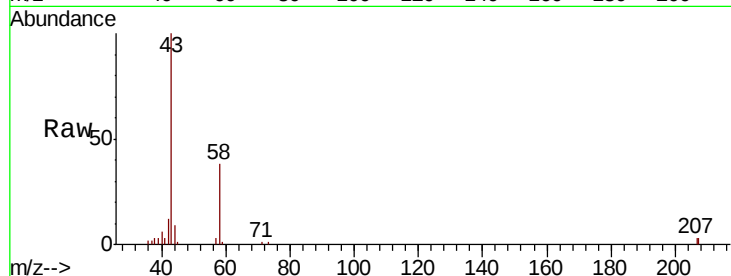
KG-SLUDGE-2RE

Tot 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

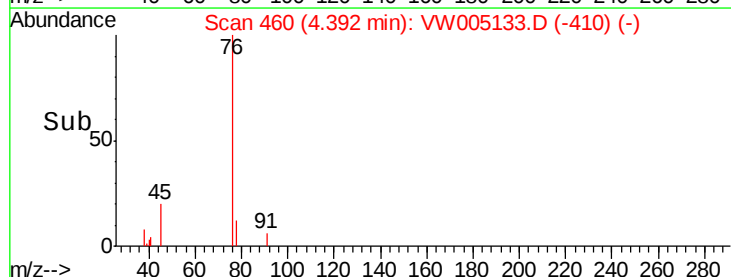
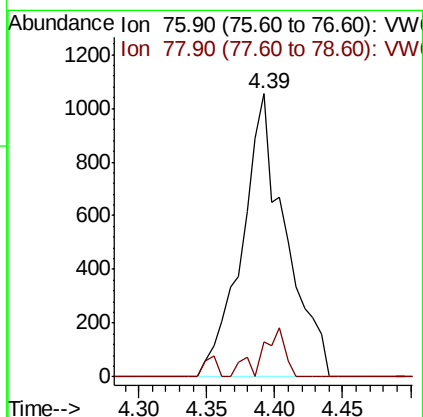
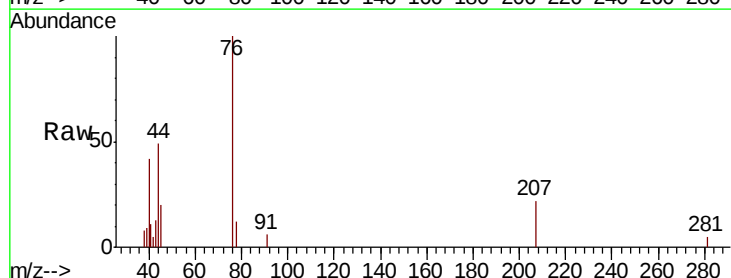
Acq: 05 Sep 2018 17:02

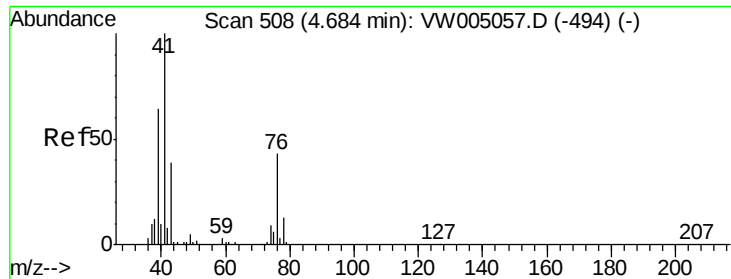
Tgt Ion: 76 Resp: 2353

Ion Ratio Lower Upper

76 100

78 12.4 7.3 10.9#

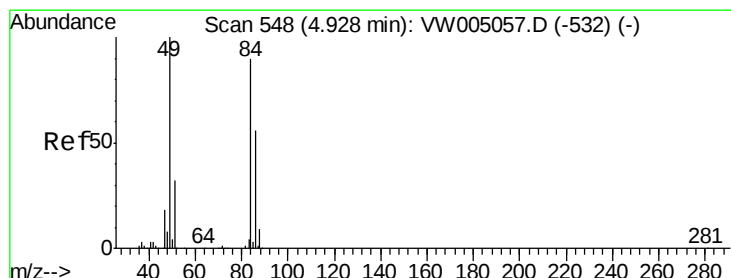
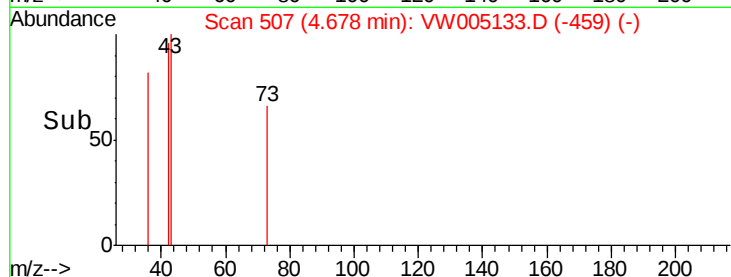
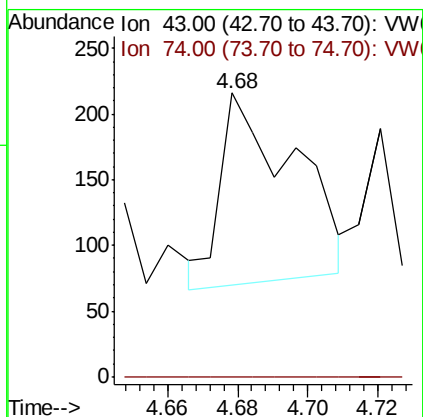
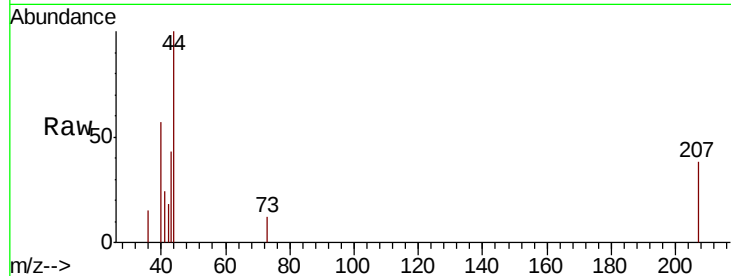




#18
Methyl Acetate
Concen: 1.10 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

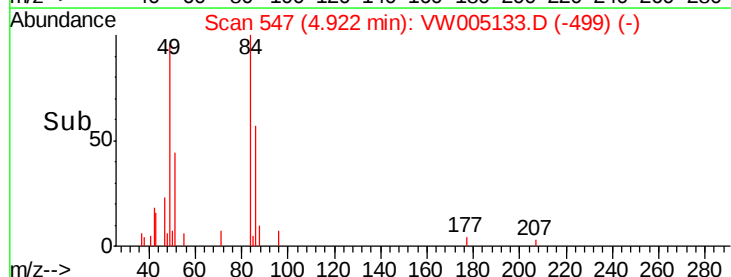
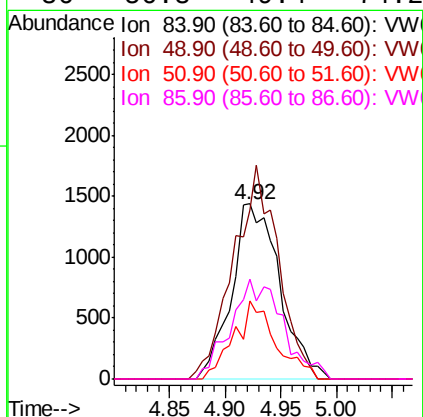
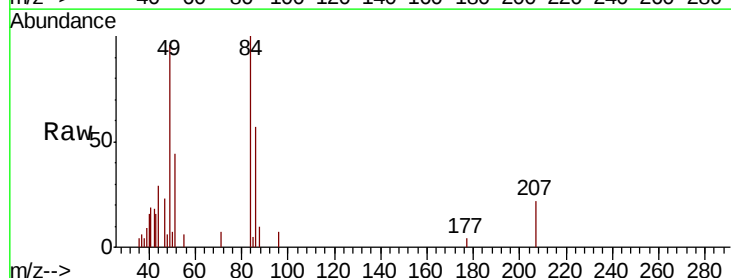
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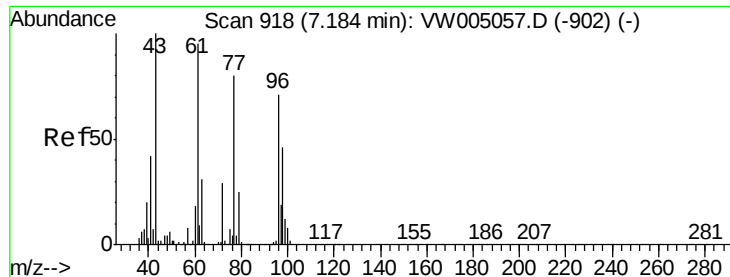
Tot Ion: 43 Resp: 212
Ion Ratio Lower Upper
43 100
74 0.0 20.7 31.1#



#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





#25

2-Butanone

Concen: 9.53 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

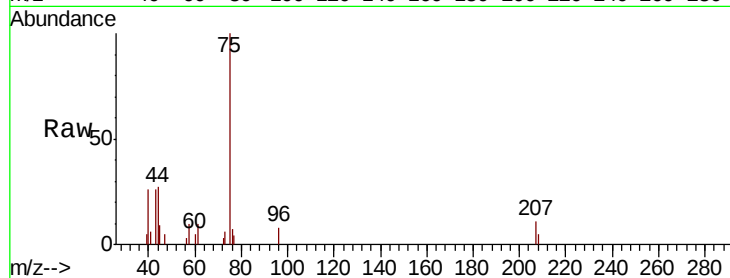
KG-SLUDGE-2RE

Tot Ion: 43 Resp: 1078

Ion Ratio Lower Upper

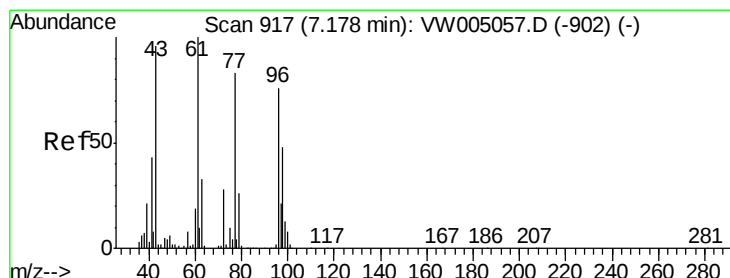
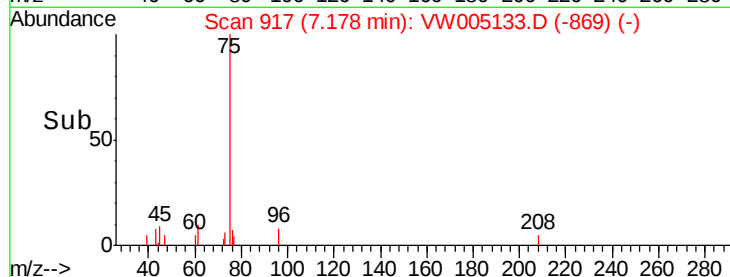
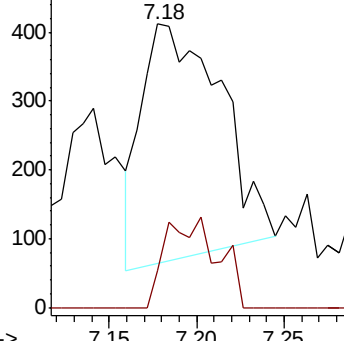
43 100

72 17.5 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 2.07 ug/l

RT: 7.13 min Scan# 909

Delta R.T. -0.05 min

Lab File: VW005133.D

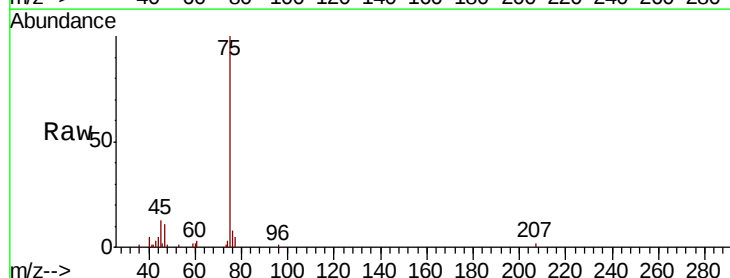
Acq: 05 Sep 2018 17:02

Tgt Ion: 77 Resp: 1107

Ion Ratio Lower Upper

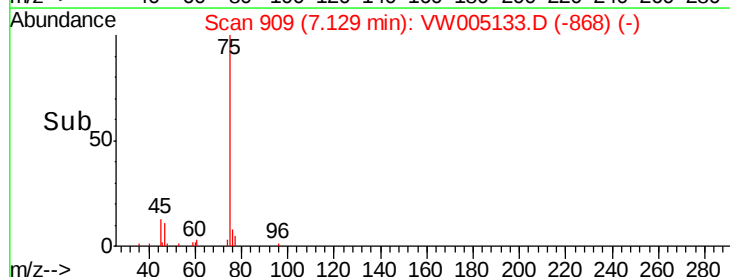
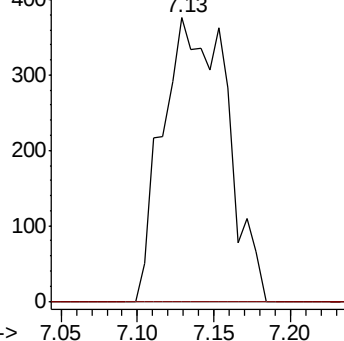
77 100

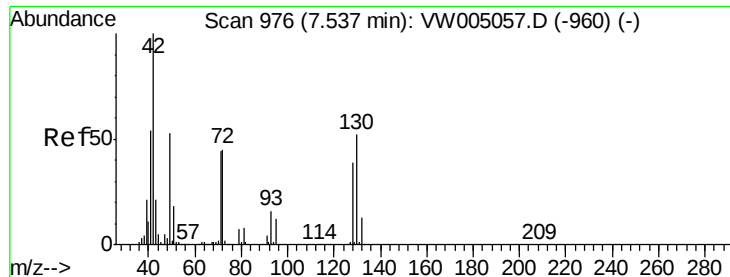
97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#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

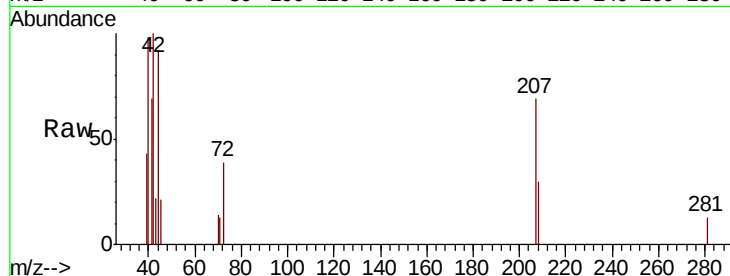
Tot Ion: 42 Resp: 754

Ion Ratio Lower Upper

42 100

72 49.2 37.0 55.4

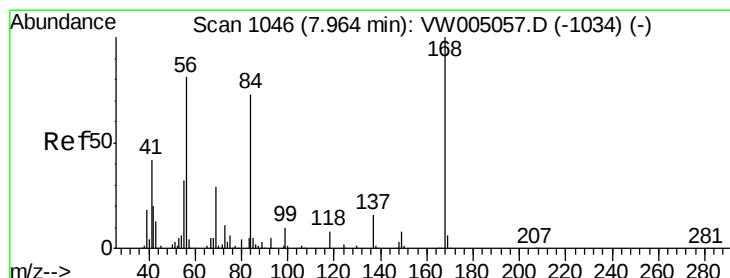
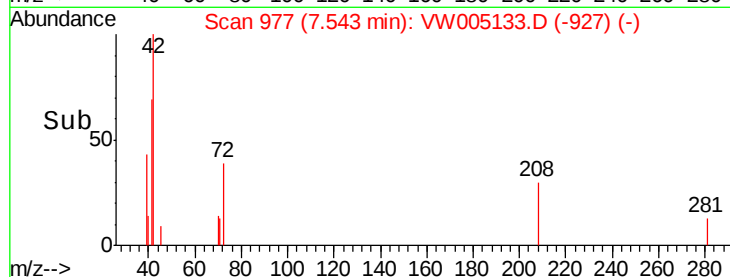
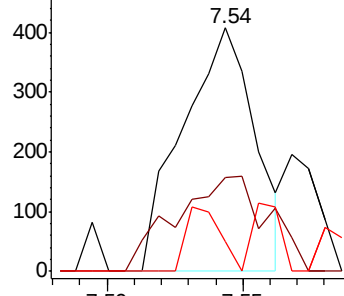
71 10.9 35.0 52.6#



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



#31

Cyclohexane

Concen: 10.67 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

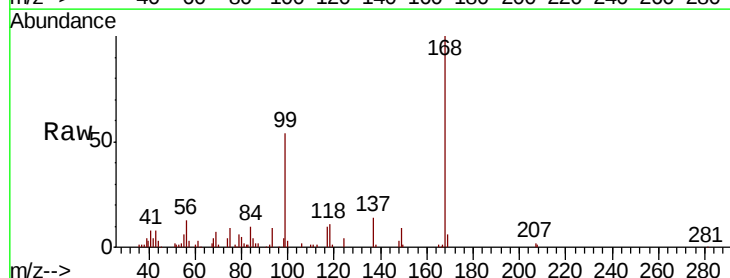
Tgt Ion: 56 Resp: 6816

Ion Ratio Lower Upper

56 100

69 54.1 28.2 42.2#

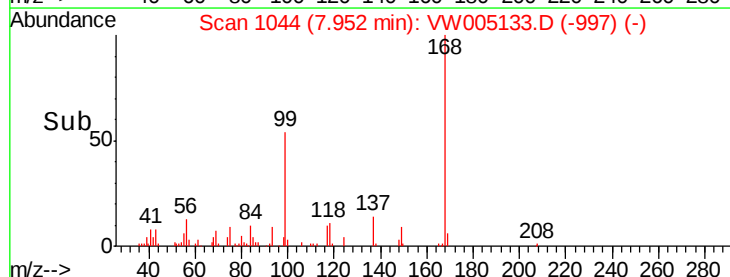
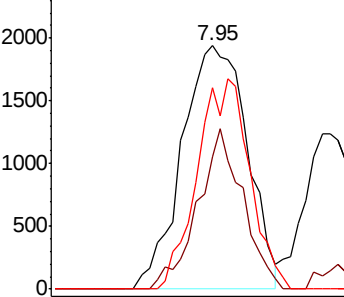
84 82.5 71.8 107.8

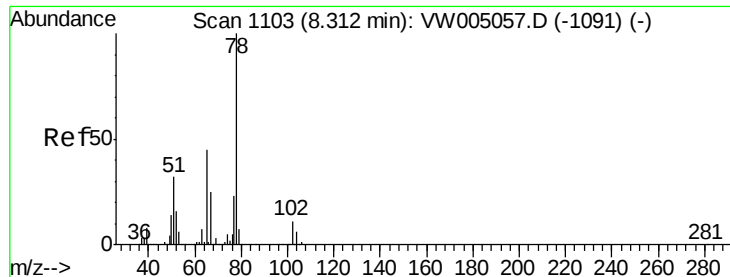


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#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

Instrument :

MSVOA_W

ClientSampleId :

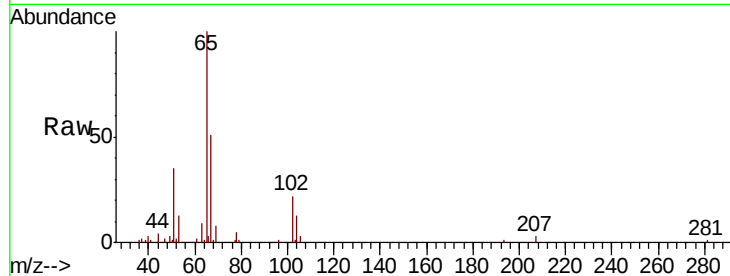
KG-SLUDGE-2RE

Tot Ion: 65 Resp: 25804

Ion Ratio Lower Upper

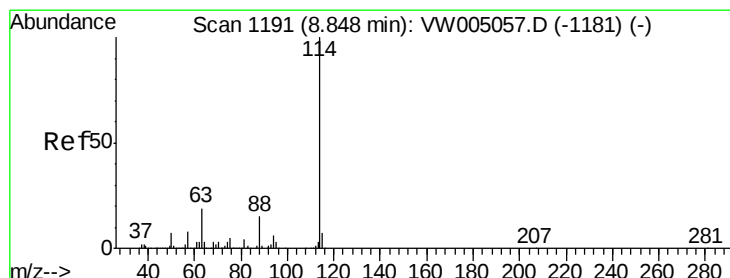
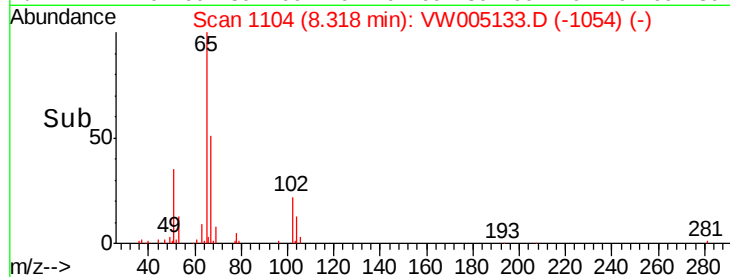
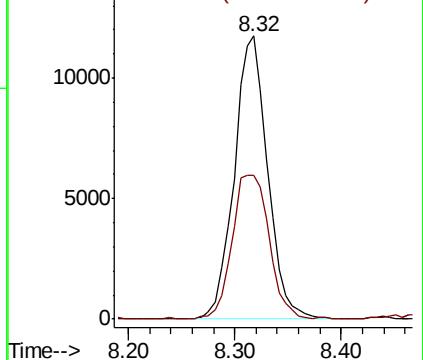
65 100

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

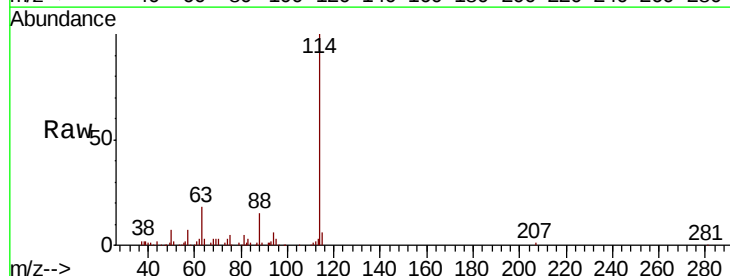
Tgt Ion: 114 Resp: 63819

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.0

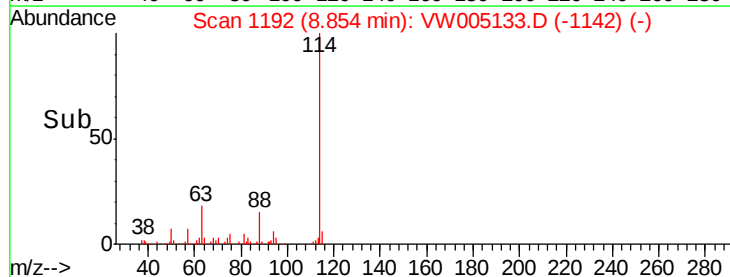
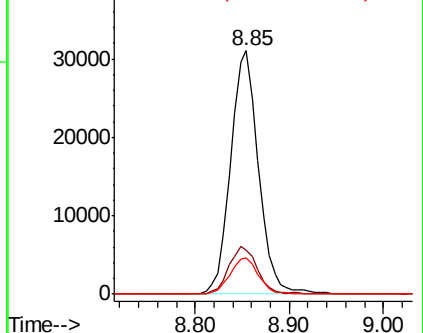
88 14.8 0.0 30.2

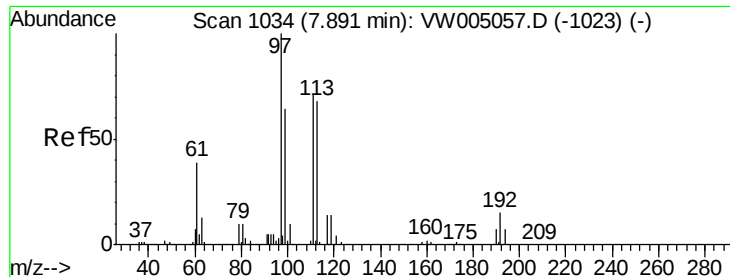


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

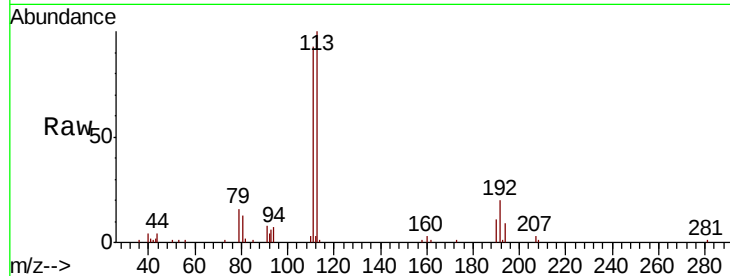




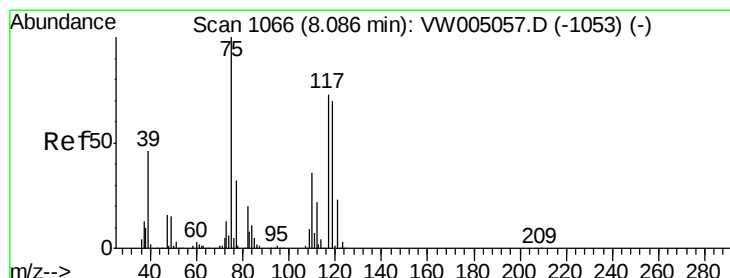
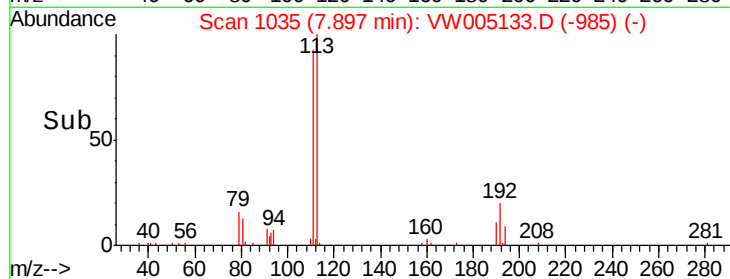
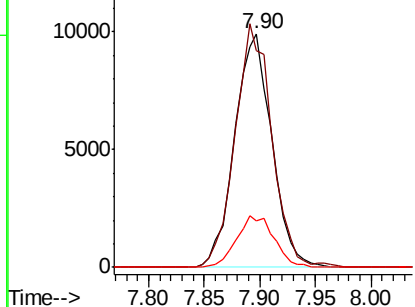
#35
 Dibromofluoromethane
 Concen: 62.39 ug/l
 RT: 7.90 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

Tot Ion:113 Resp: 23008
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 22.1 18.1 27.1

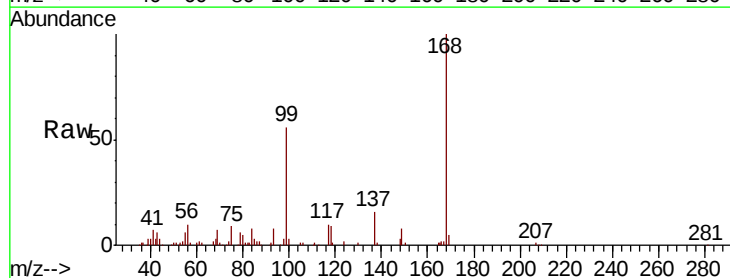


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

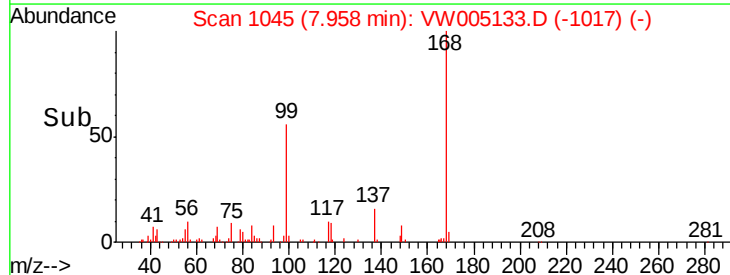
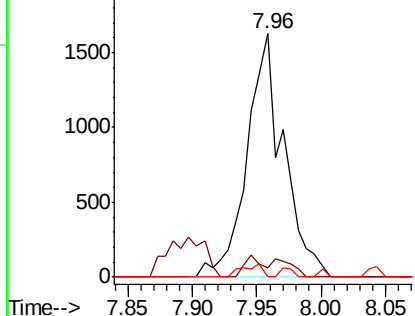


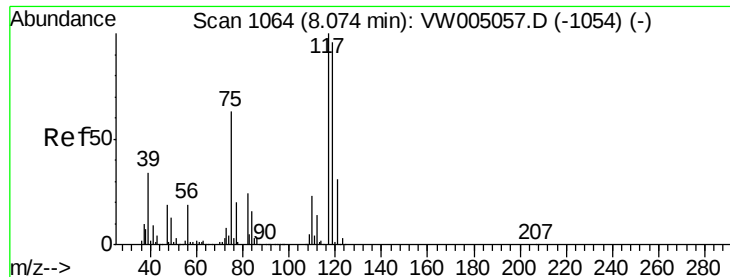
#36
 1,1-Dichloropropene
 Concen: 5.21 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.13 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Tgt Ion: 75 Resp: 3166
 Ion Ratio Lower Upper
 75 100
 110 4.3 18.9 56.7#
 77 1.4 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

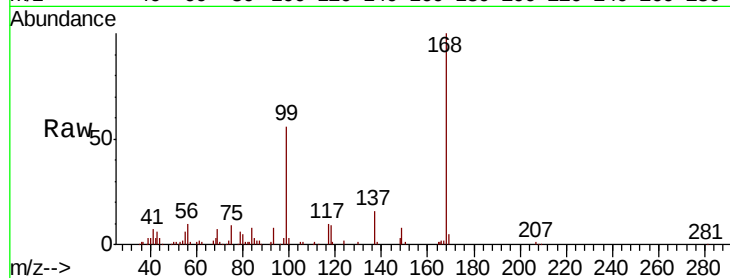




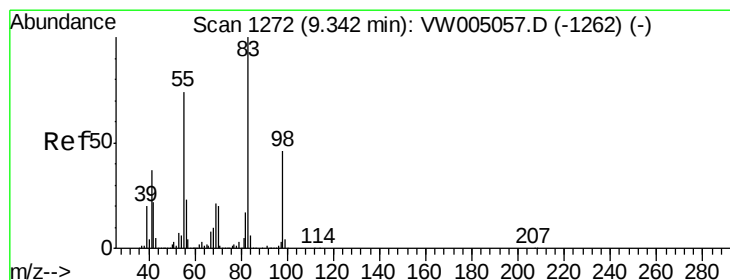
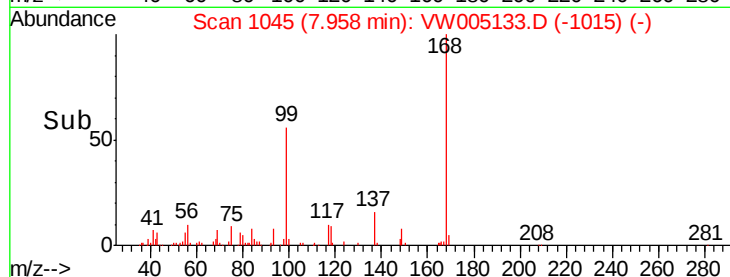
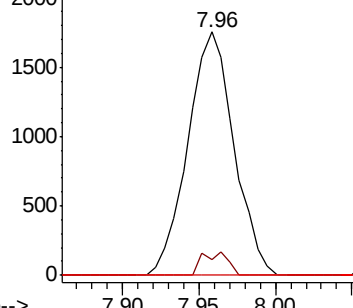
#38
Carbon Tetrachloride
Concen: 6.35 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.12 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-2RE

Tot Ion:117 Resp: 3668
Ion Ratio Lower Upper
117 100
119 6.5 76.6 115.0#
121 0.0 24.8 37.2#

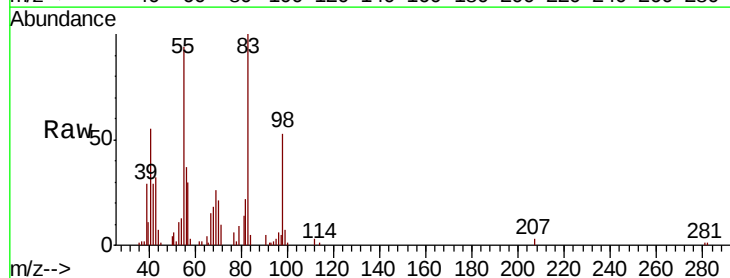


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

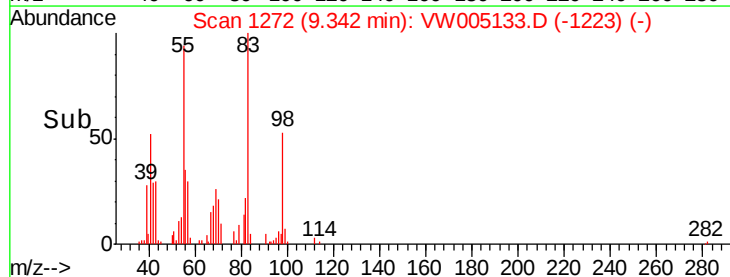
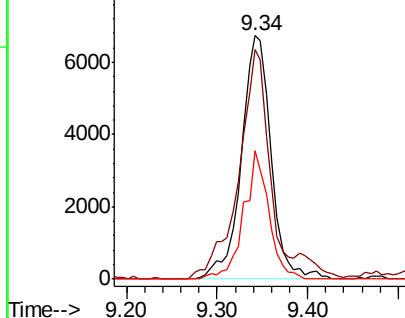


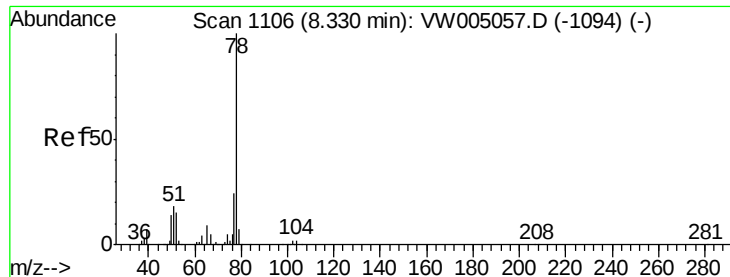
#39
Methylcyclohexane
Concen: 20.85 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

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



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





#40

Benzene

Concen: 1.10 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

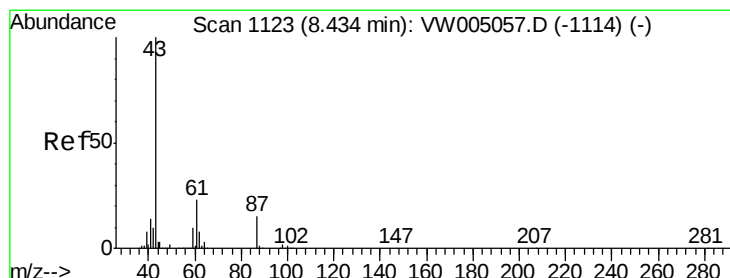
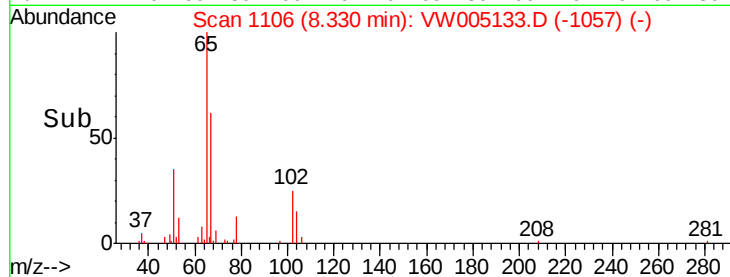
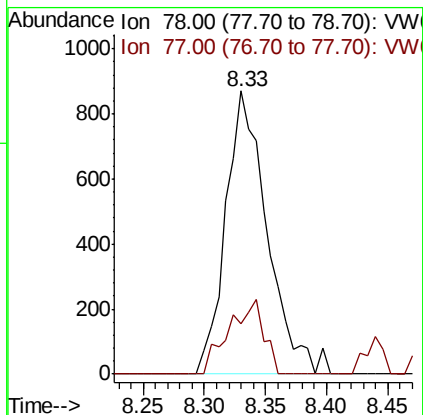
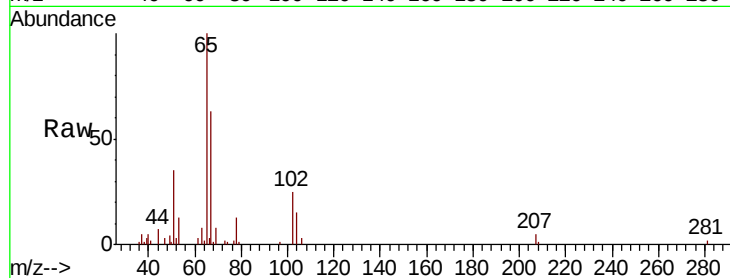
KG-SLUDGE-2RE

Tot Ion: 78 Resp: 2052

Ion Ratio Lower Upper

78 100

77 17.9 19.4 29.0#



#43

Isopropyl Acetate

Concen: 3.29 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

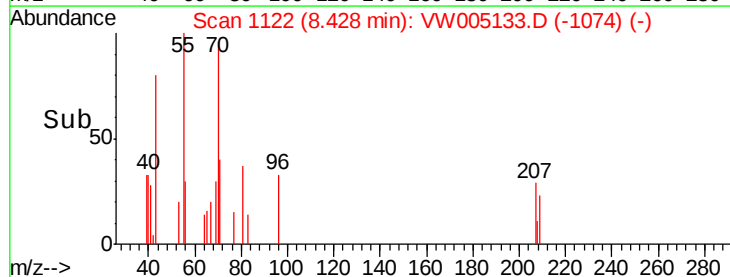
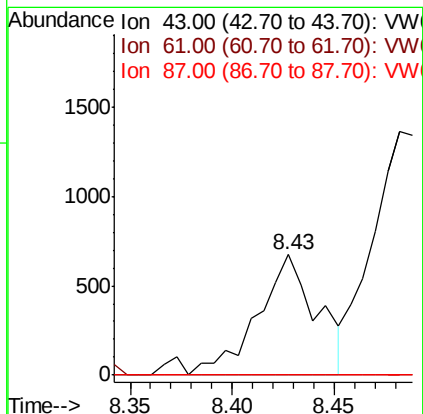
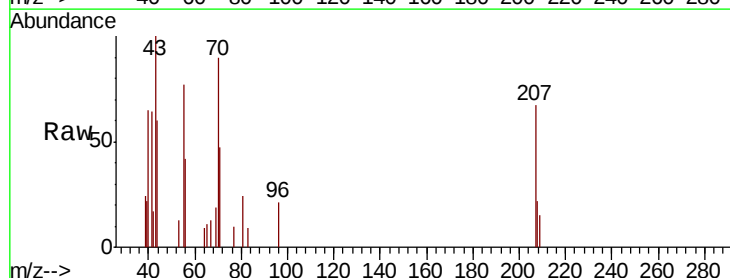
Tgt Ion: 43 Resp: 1362

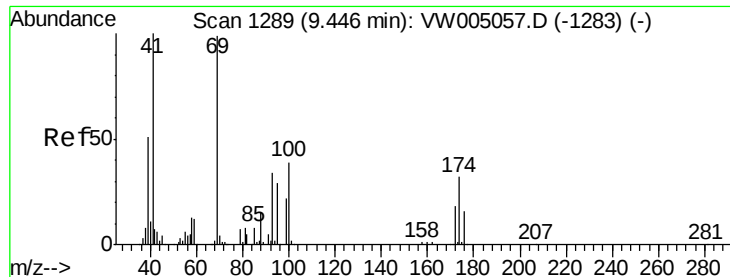
Ion Ratio Lower Upper

43 100

61 0.0 26.8 40.2#

87 0.0 11.6 17.4#

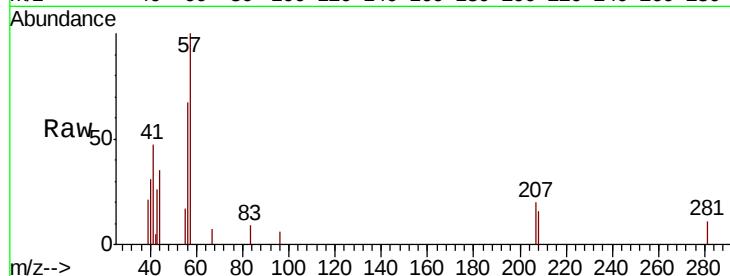




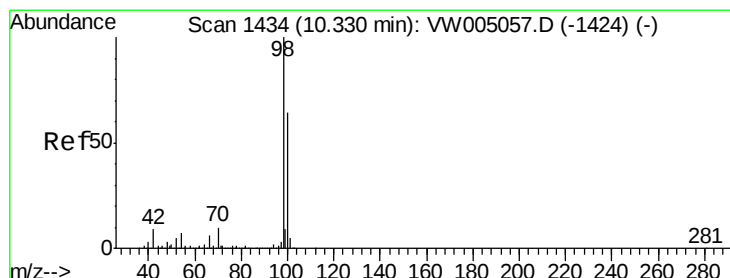
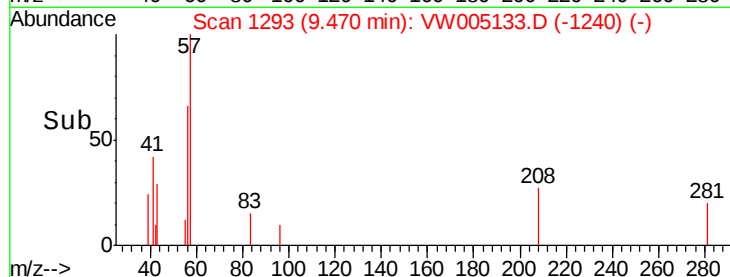
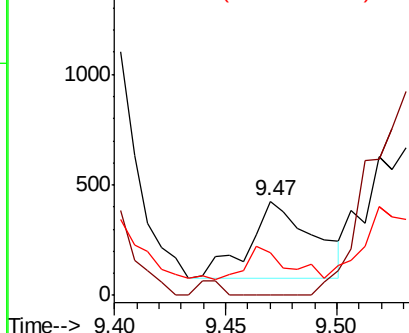
#48
Methvl methacrylate
Concen: 3.53 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. 0.02 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-2RE

Tot Ion: 41 Resp: 703
Ion Ratio Lower Upper
41 100
69 0.0 80.4 120.6#
39 42.1 43.5 65.3#

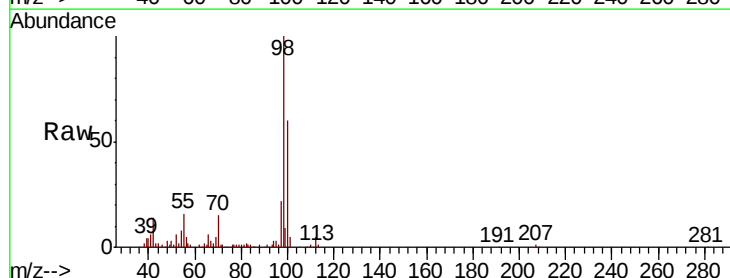


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

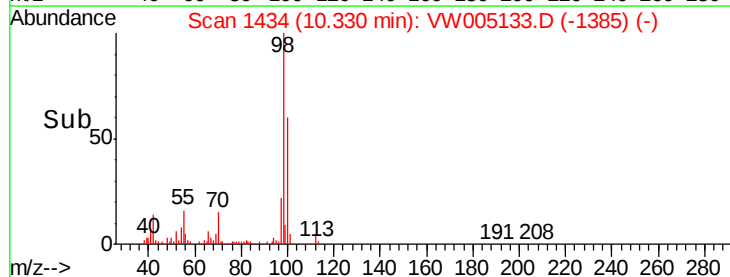
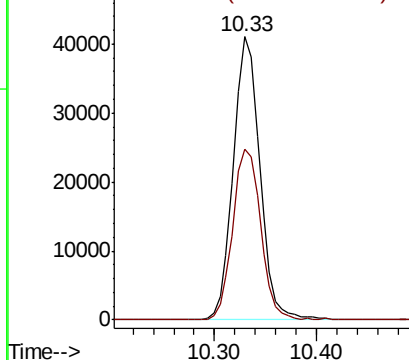


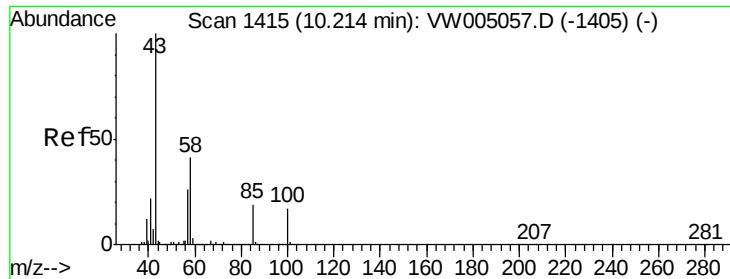
#50
Toluene-d8
Concen: 43.68 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

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



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





#51

4-Methyl-2-Pentanone

Concen: 4.65 ug/l

RT: 10.26 min Scan# 1423

Delta R.T. 0.05 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

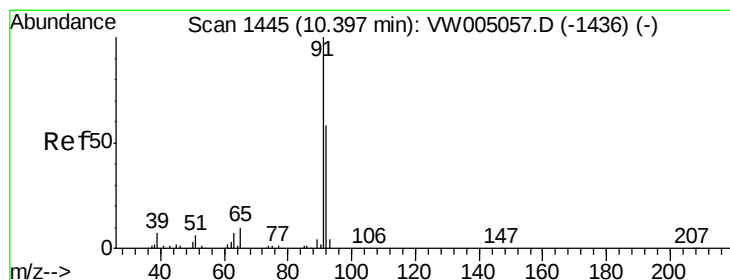
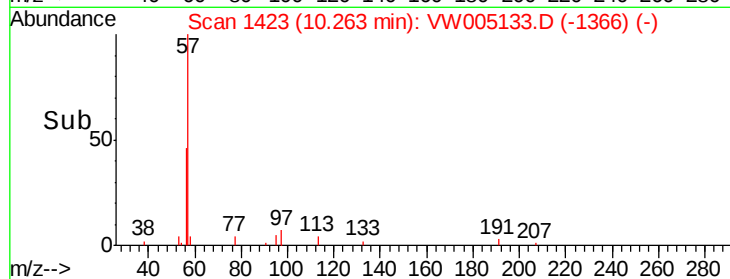
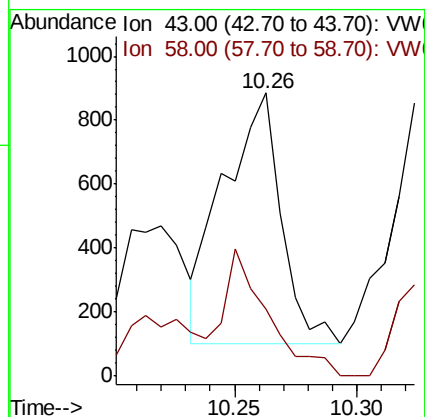
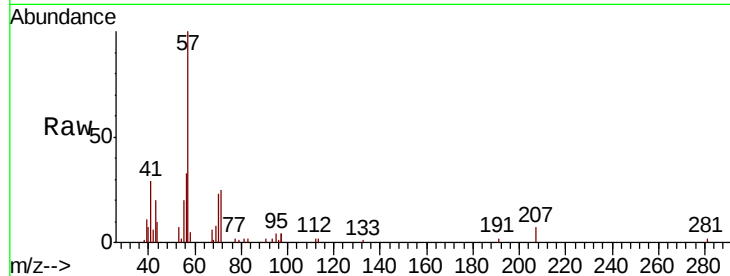
KG-SLUDGE-2RE

Tot Ion: 43 Resp: 1289

Ion Ratio Lower Upper

43 100

58 38.5 33.3 49.9



#52

Toluene

Concen: 3.61 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW005133.D

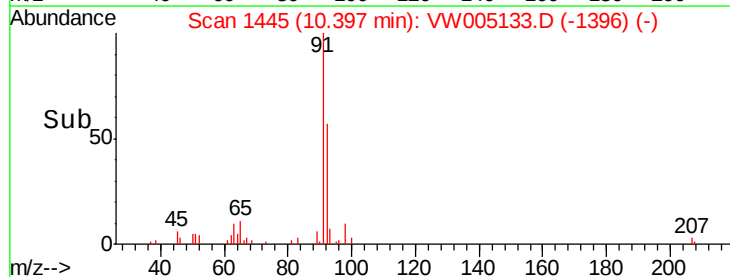
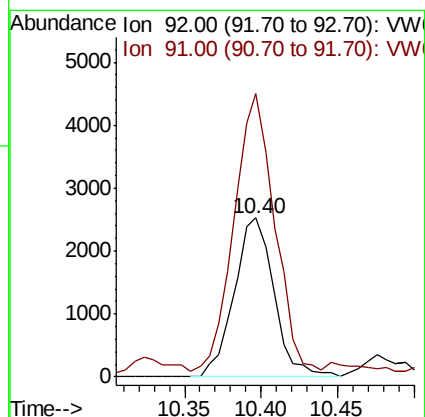
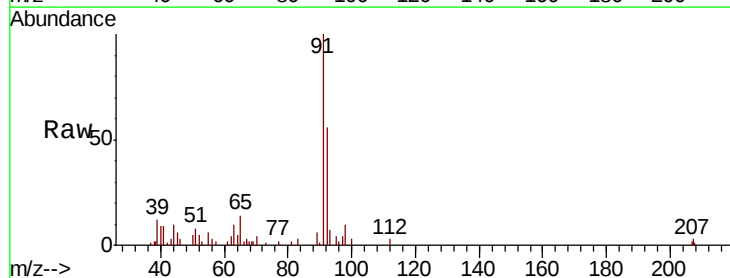
Acq: 05 Sep 2018 17:02

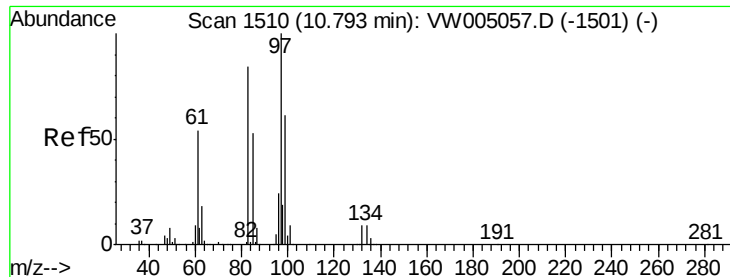
Tgt Ion: 92 Resp: 4546

Ion Ratio Lower Upper

92 100

91 180.4 139.2 208.8

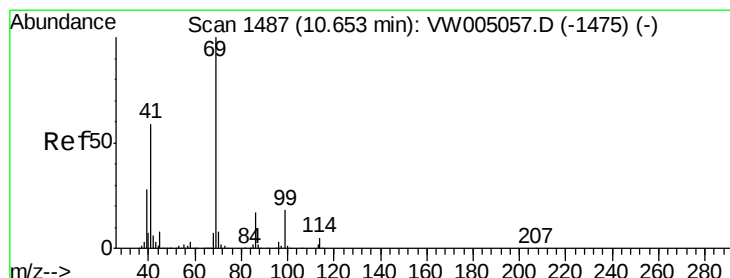
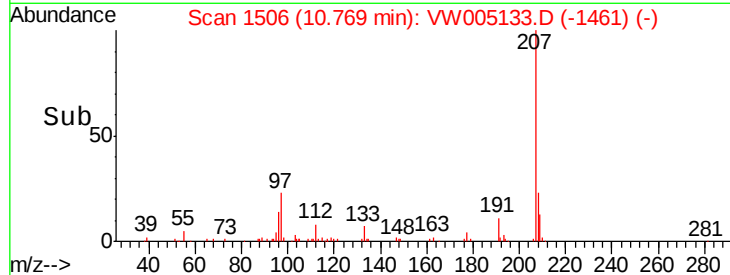
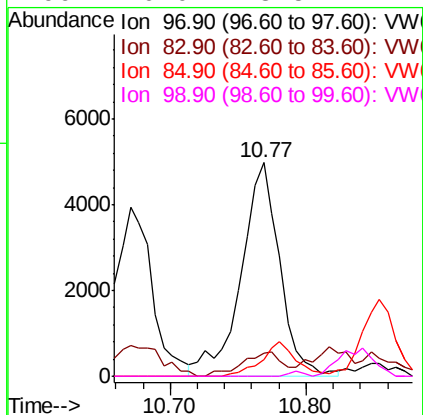
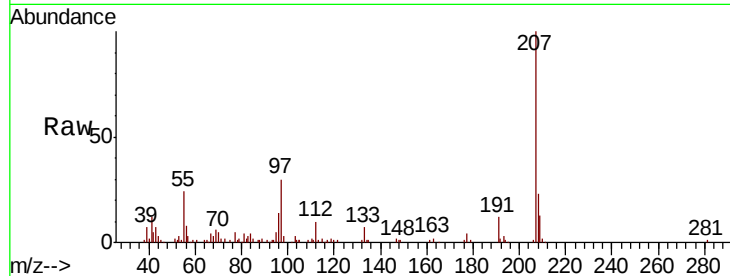




#55
 1,1,2-Trichloroethane
 Concen: 29.35 ug/l
 RT: 10.77 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

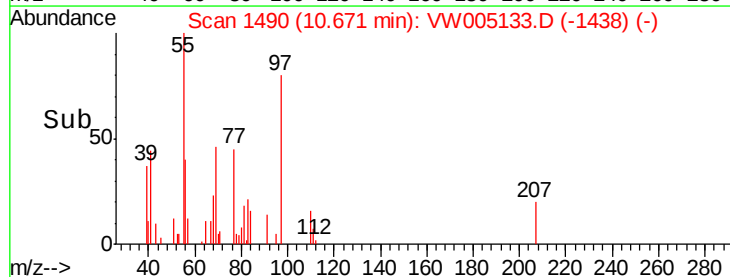
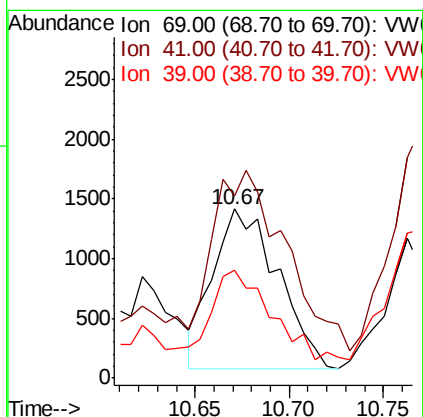
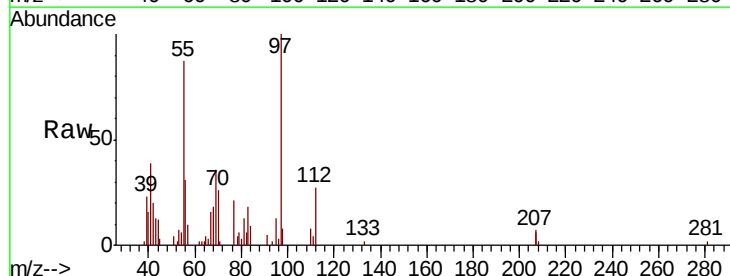
Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

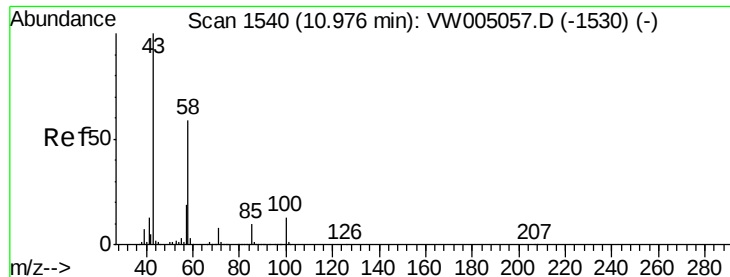
Tot Ion:	97	Resp:	9879
Ion	Ratio	Lower	Upper
97	100		
83	8.6	67.0	100.6#
85	7.9	42.3	63.5#
99	0.0	48.5	72.7#



#56
 Ethyl methacrylate
 Concen: 8.35 ug/l
 RT: 10.67 min Scan# 1490
 Delta R.T. 0.02 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Tgt Ion:	69	Resp:	3206
Ion	Ratio	Lower	Upper
69	100		
41	124.9	47.8	71.6#
39	48.6	21.1	31.7#





#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

Instrument :

MSVOA_W

ClientSampleId :

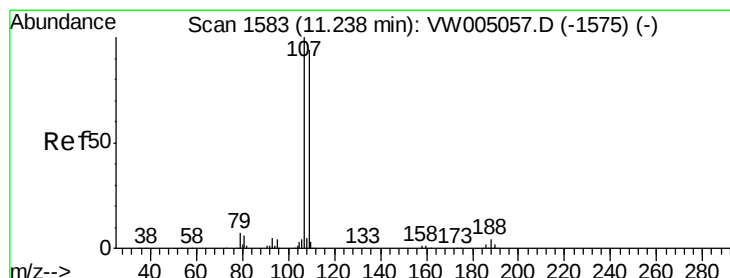
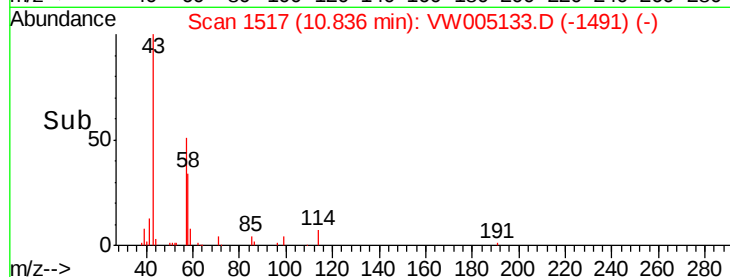
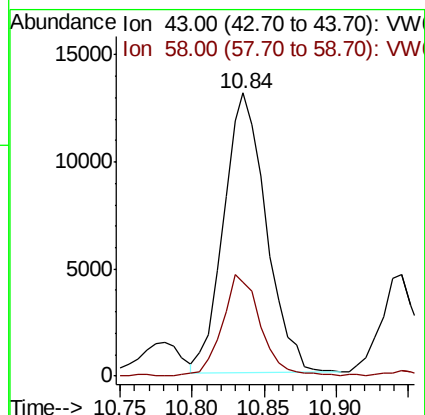
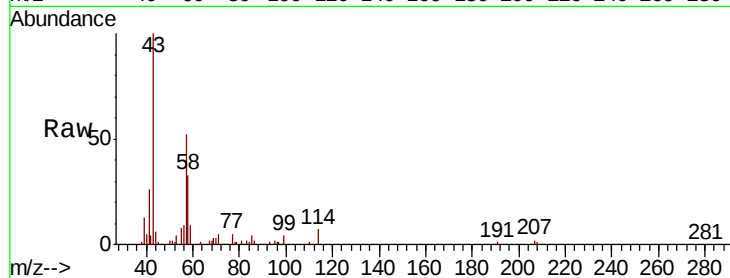
KG-SLUDGE-2RE

Tot Ion: 43 Resp: 26926

Ion Ratio Lower Upper

43 100

58 32.8 28.7 86.3



#61

1,2-Dibromoethane

Concen: 1.14 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW005133.D

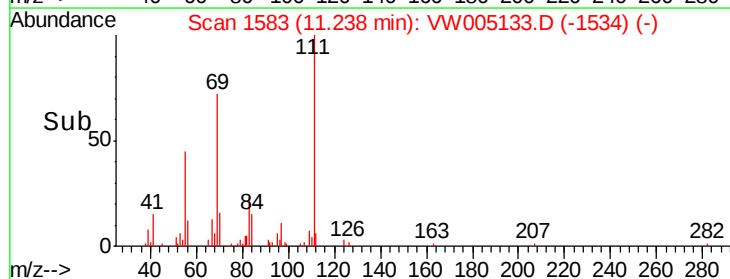
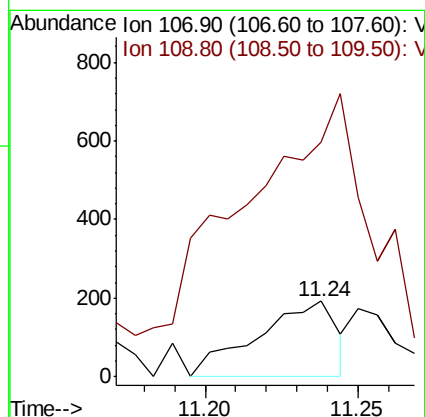
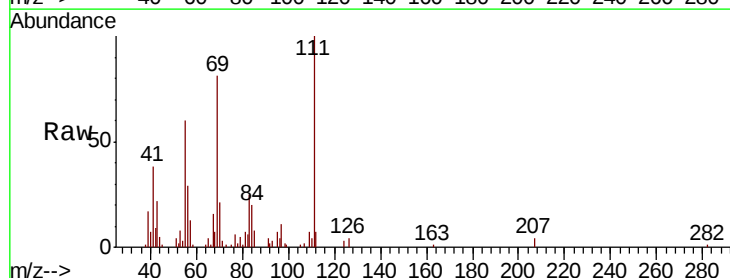
Acq: 05 Sep 2018 17:02

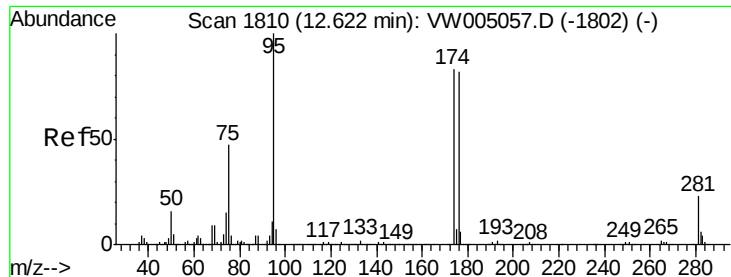
Tgt Ion: 107 Resp: 347

Ion Ratio Lower Upper

107 100

109 584.7 75.9 113.9#





#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

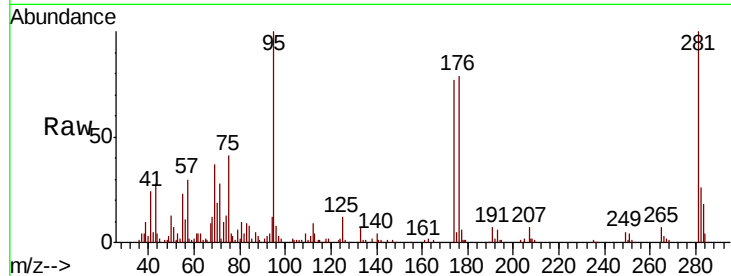
Tot Ion: 95 Resp: 22546

Ion Ratio Lower Upper

95 100

174 75.3 0.0 173.4

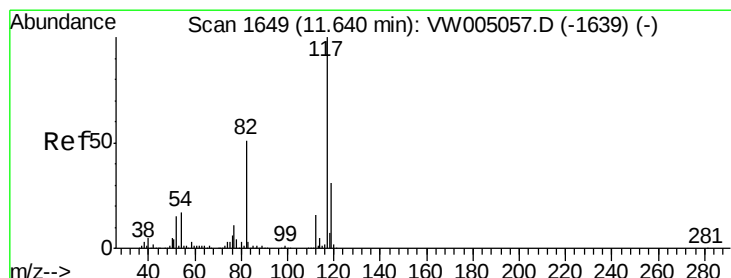
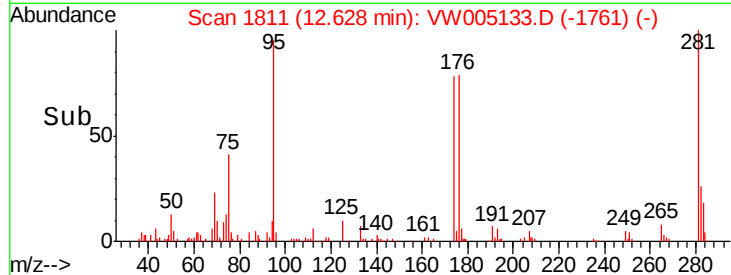
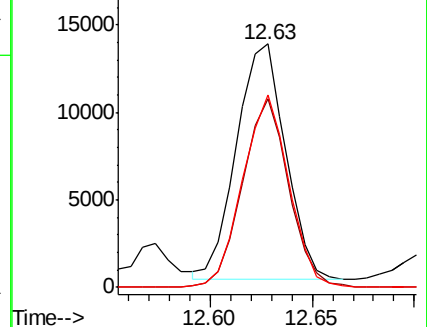
176 76.3 0.0 167.4



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

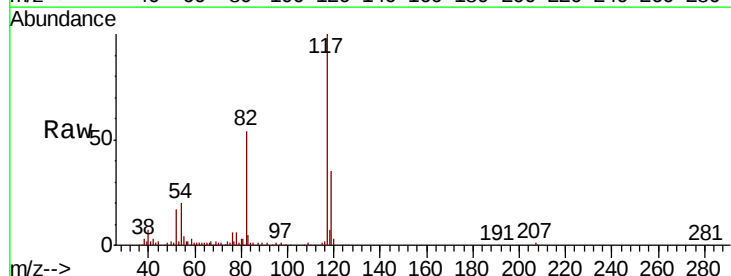
Tgt Ion: 117 Resp: 51940

Ion Ratio Lower Upper

117 100

82 51.2 40.9 61.3

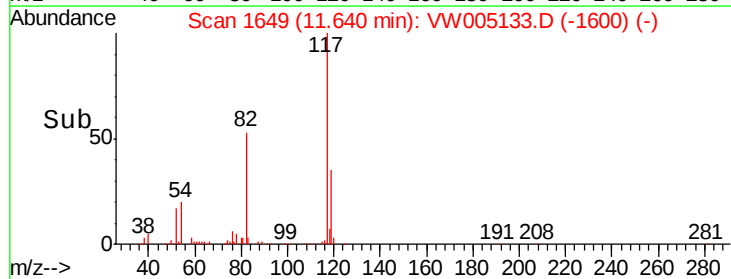
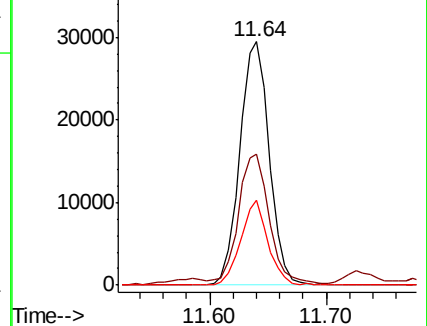
119 34.8 24.9 37.3

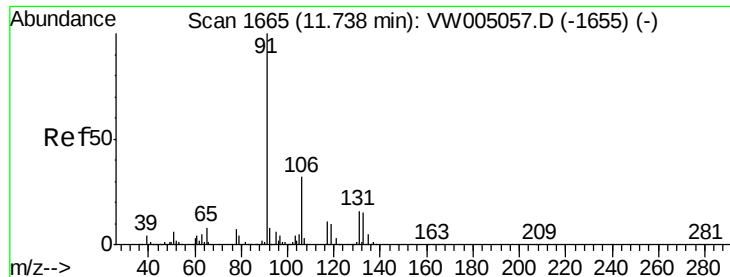


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V

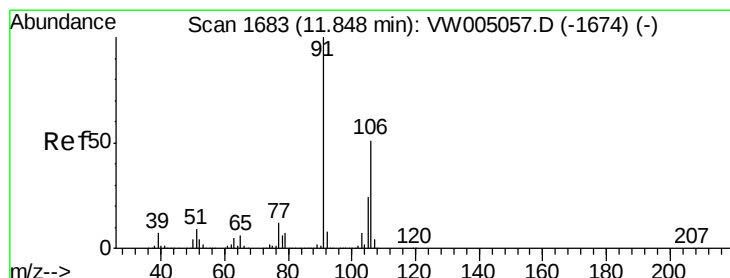
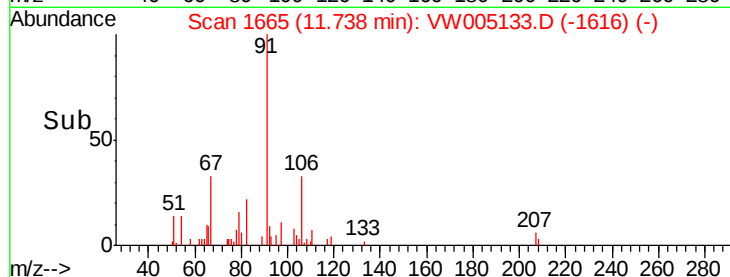
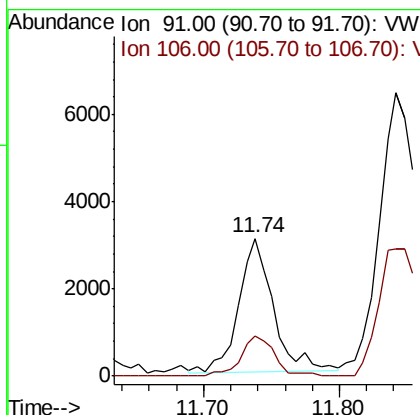
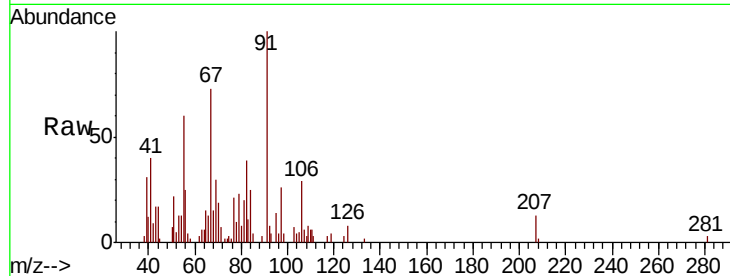




#67
Ethyl Benzene
Concen: 2.77 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

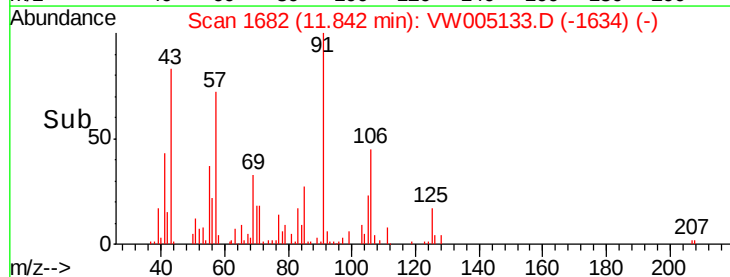
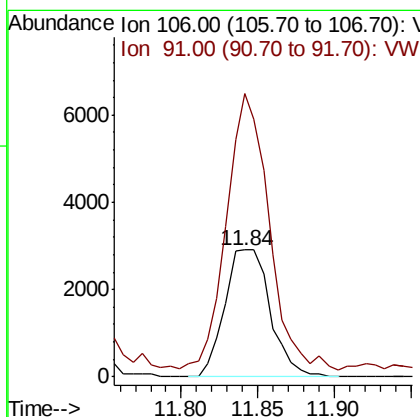
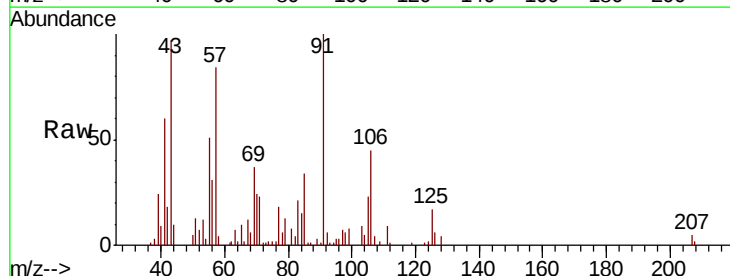
Instrument :
MSVOA_W
ClientSampled :
KG-SLUDGE-2RE

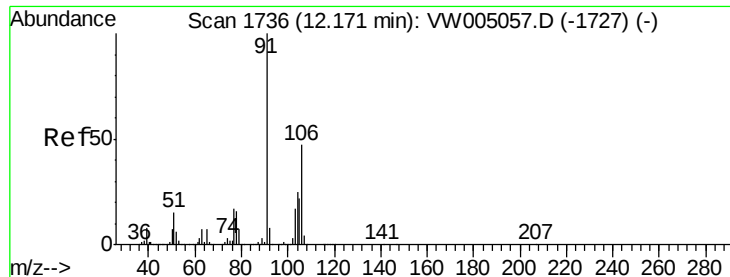
Tot Ion: 91 Resp: 5468
Ion Ratio Lower Upper
91 100
106 30.5 25.3 37.9



#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

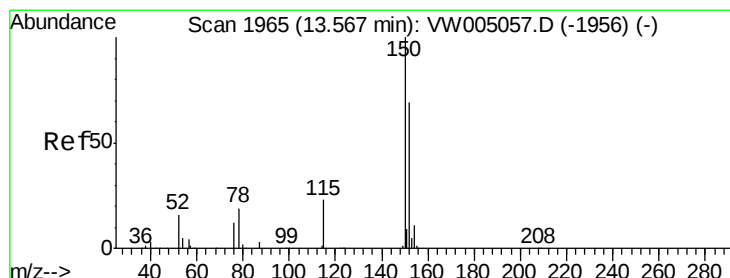
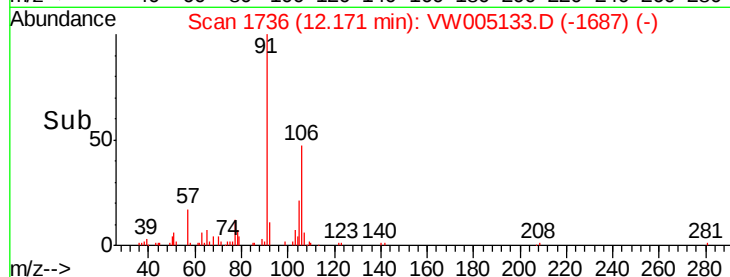
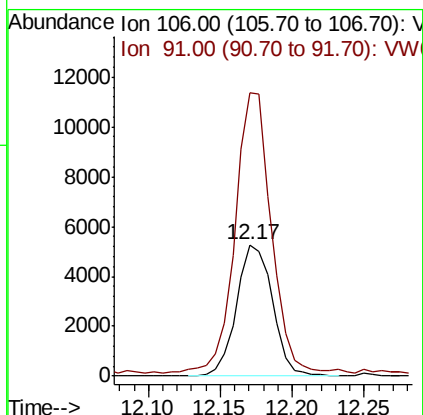
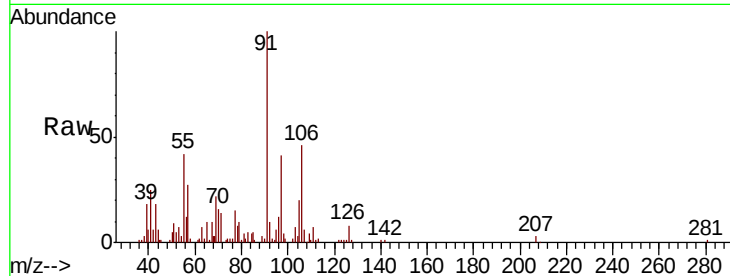




#69
o-Xylene
Concen: 12.52 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

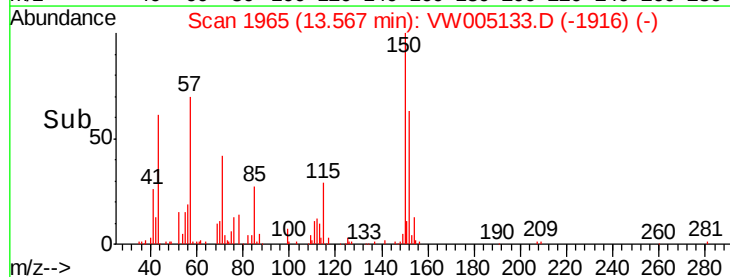
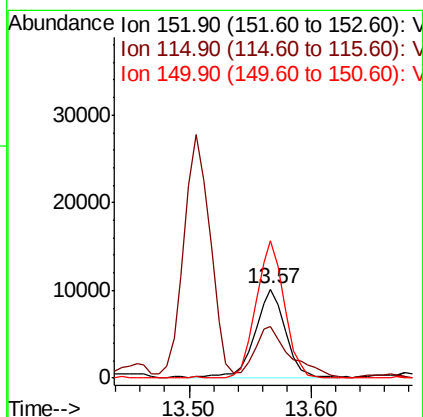
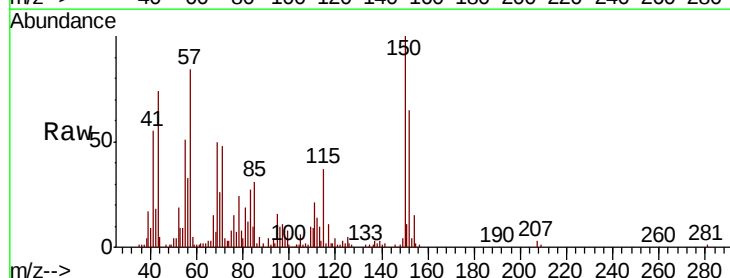
Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-2RE

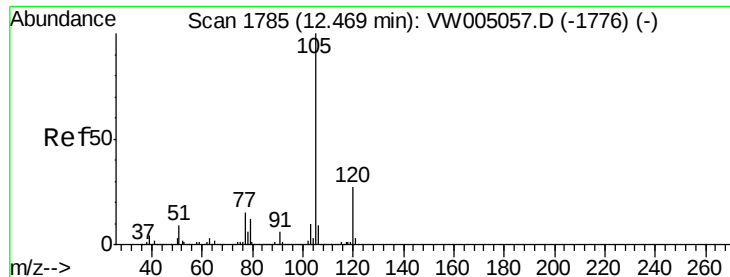
Tot Ion:106 Resp: 9162
Ion Ratio Lower Upper
106 100
91 215.5 105.6 316.8



#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 :

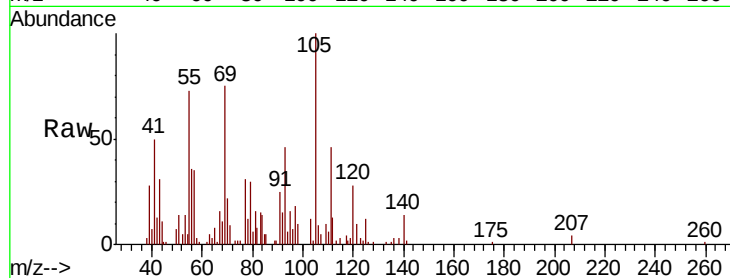
KG-SLUDGE-2RE

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

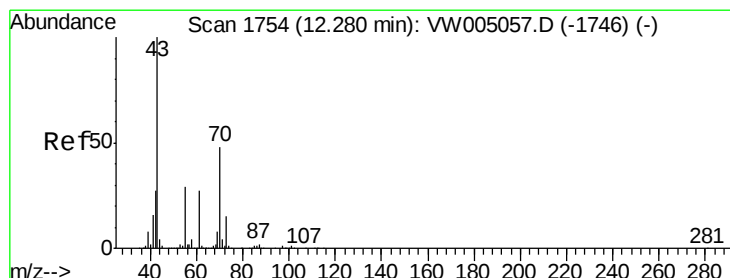
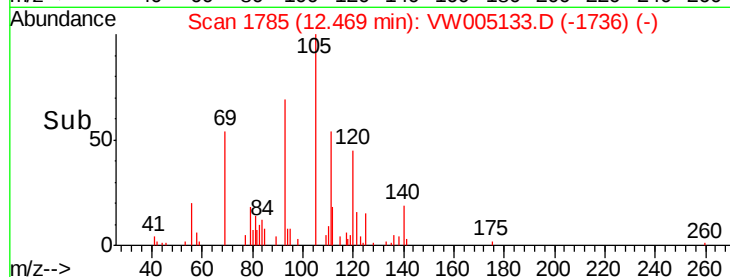
4000

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

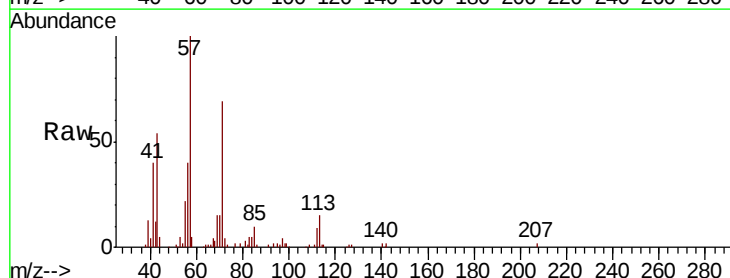
Ion Ratio Lower Upper

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

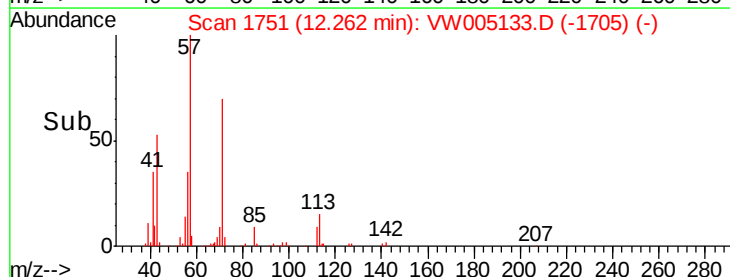
10000

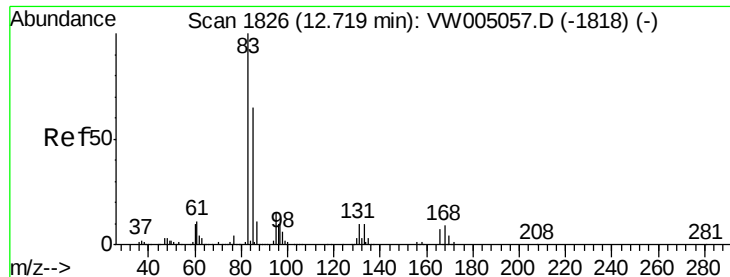
5000

0

12.20 12.25 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.14 ug/l

RT: 12.70 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

KG-SLUDGE-2RE

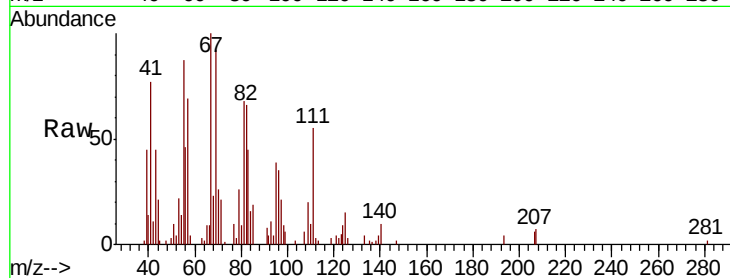
Tot Ion: 83 Resp: 1900

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

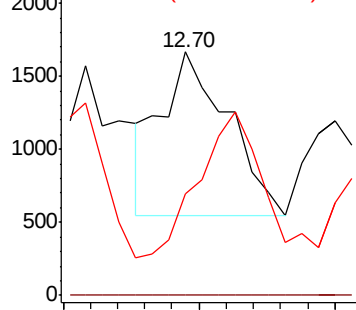
85 104.9 32.5 97.4#



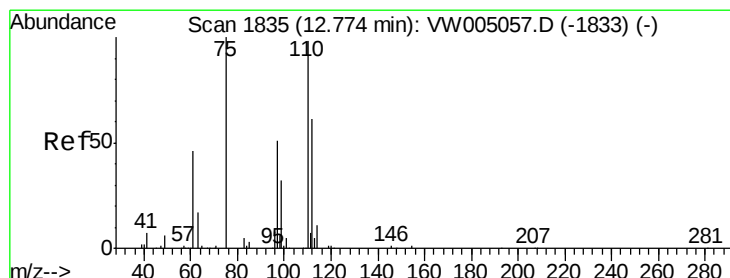
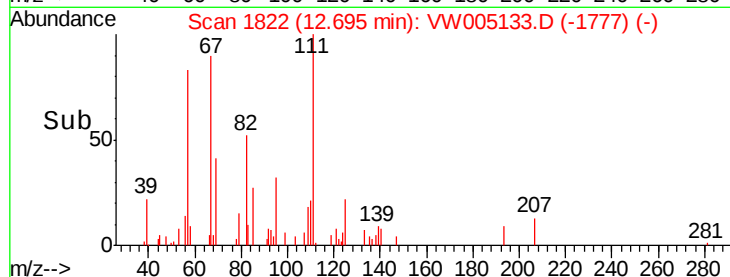
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



Time--> 12.65 12.70



#76

1,2,3-Trichloropropane

Concen: 2.66 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VW005133.D

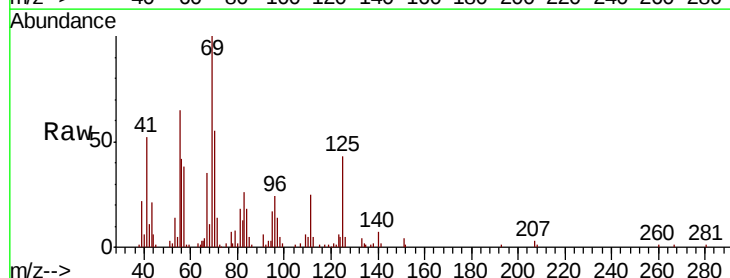
Acq: 05 Sep 2018 17:02

Tgt Ion: 75 Resp: 348

Ion Ratio Lower Upper

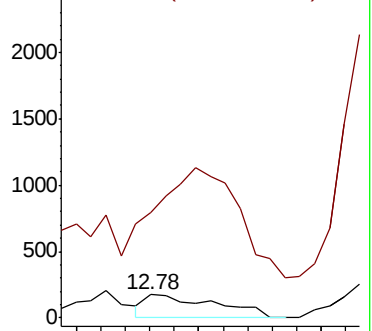
75 100

77 564.4 0.0 0.0#

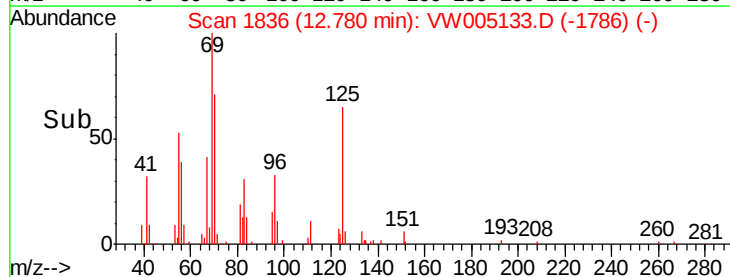


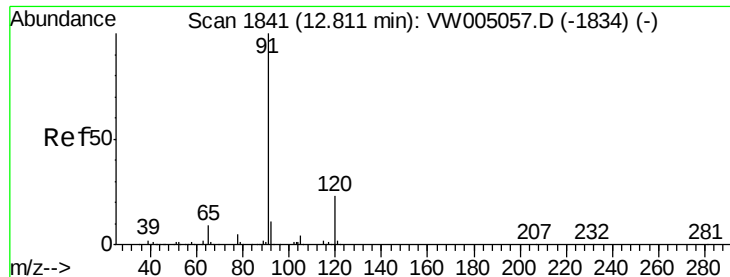
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time--> 12.75 12.80 12.85





#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 :

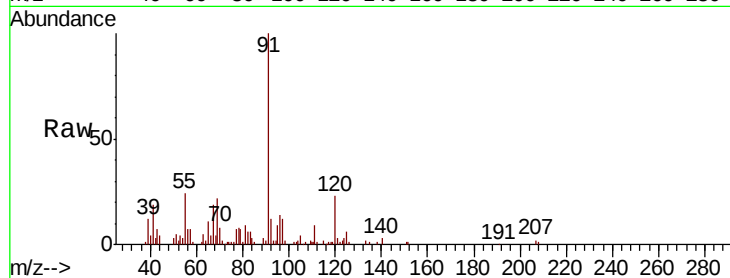
KG-SLUDGE-2RE

Tot Ion: 91 Resp: 23659

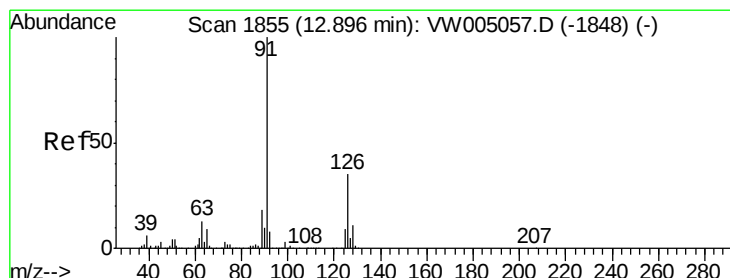
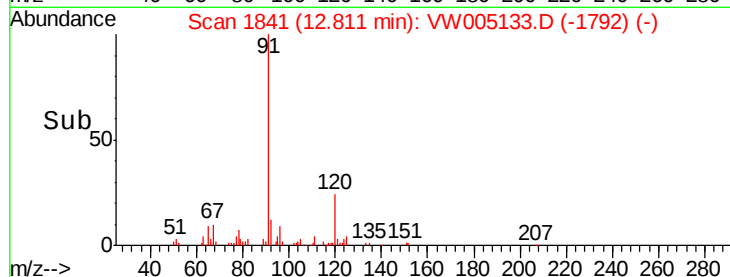
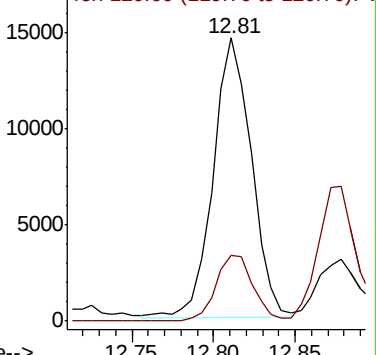
Ion Ratio Lower Upper

91 100

120 22.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW005133.D (-1792) (-)



#79

2-Chlorotoluene

Concen: 7.12 ug/l

RT: 12.88 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VW005133.D

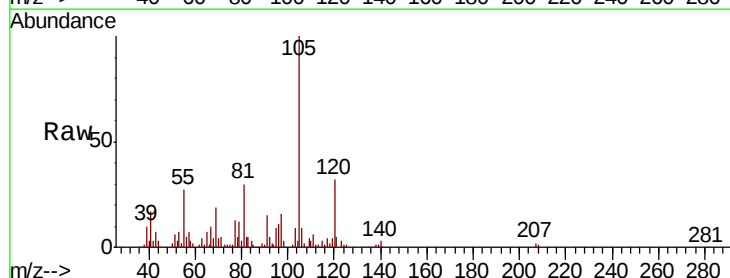
Acq: 05 Sep 2018 17:02

Tgt Ion: 91 Resp: 6171

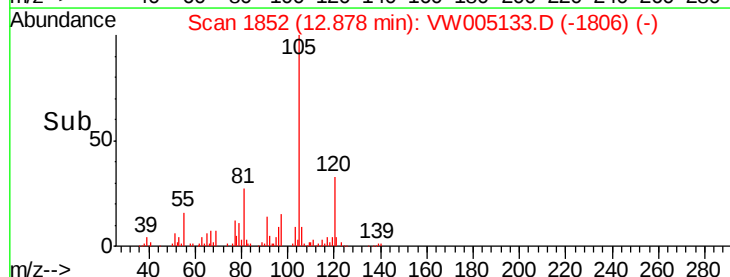
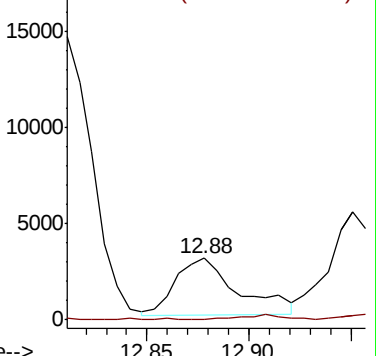
Ion Ratio Lower Upper

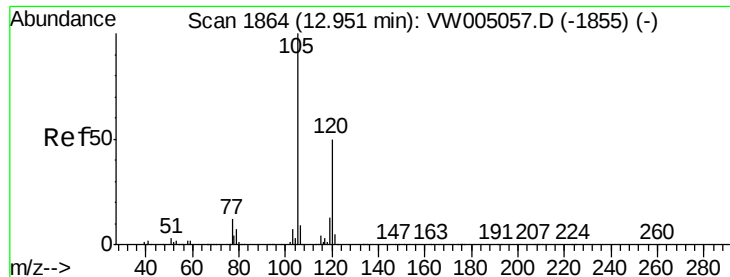
91 100

126 0.0 17.3 52.0#



Abundance Ion 91.00 (90.70 to 91.70): VW005133.D (-1806) (-)

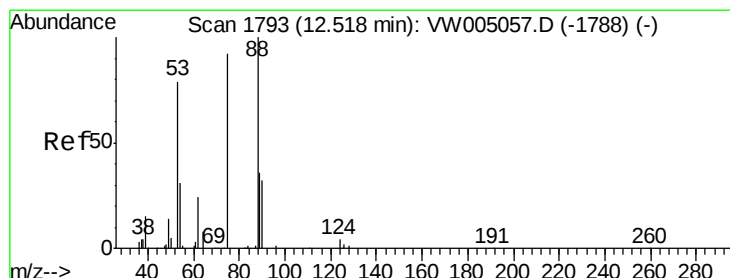
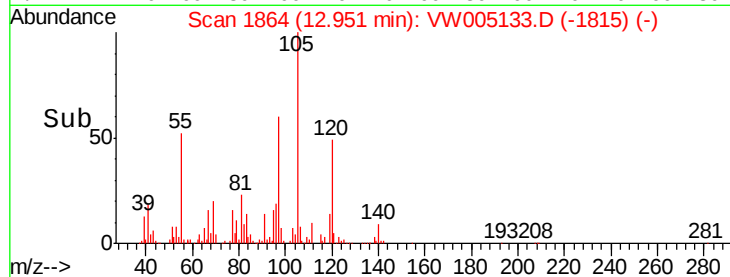
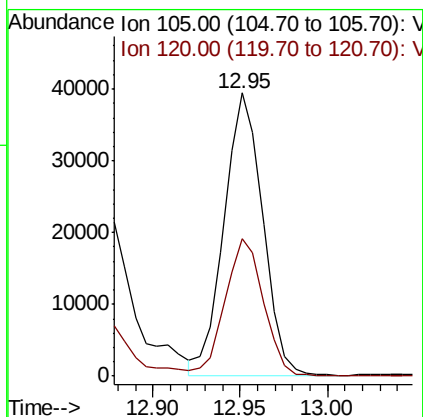
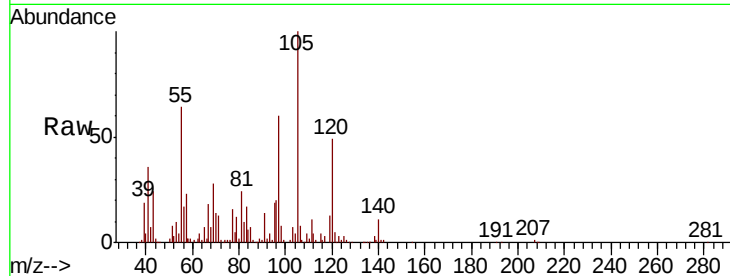




#80
 1,3,5-Trimethylbenzene
 Concen: 56.82 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

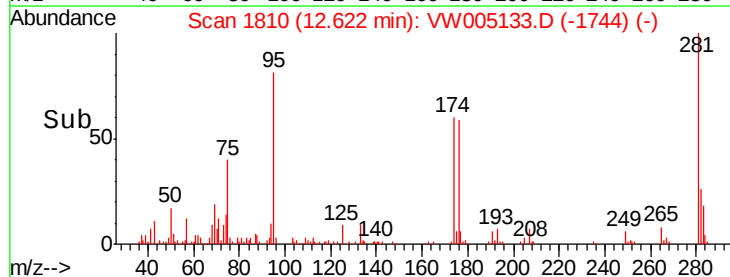
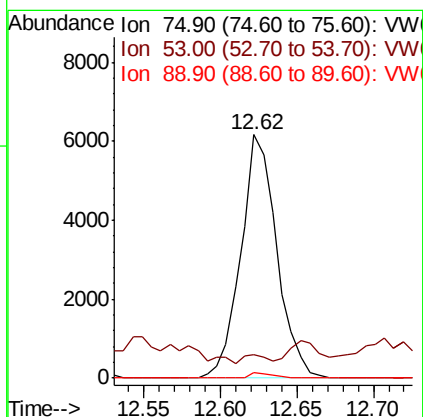
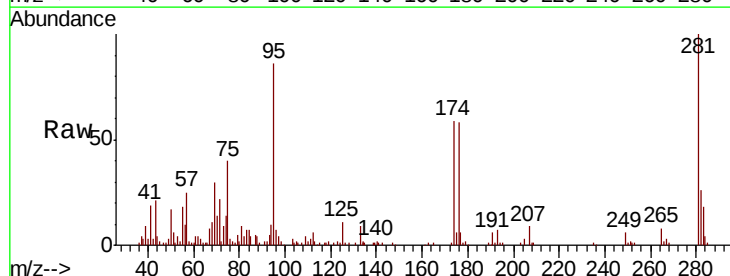
Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

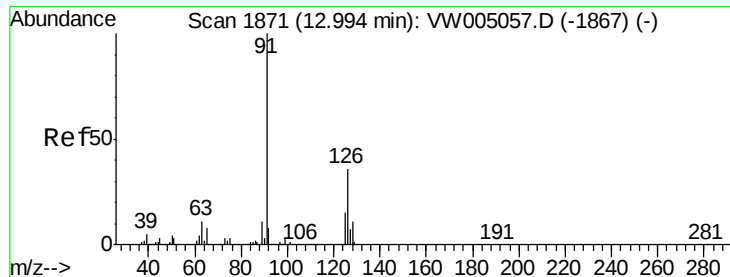
Tot Ion:105 Resp: 60455
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 184.98 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Tgt Ion: 75 Resp: 10066
 Ion Ratio Lower Upper
 75 100
 53 2.3 69.8 104.8#
 89 1.3 36.0 54.0#

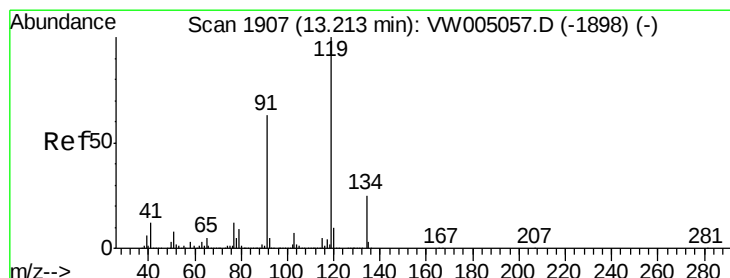
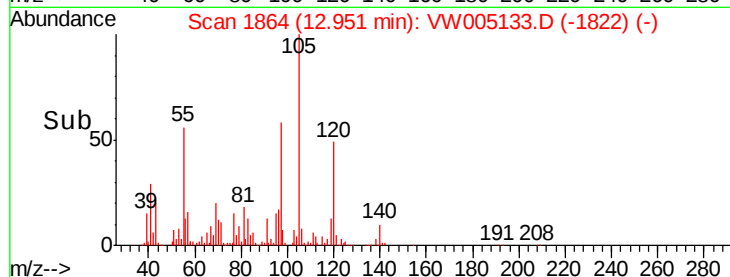
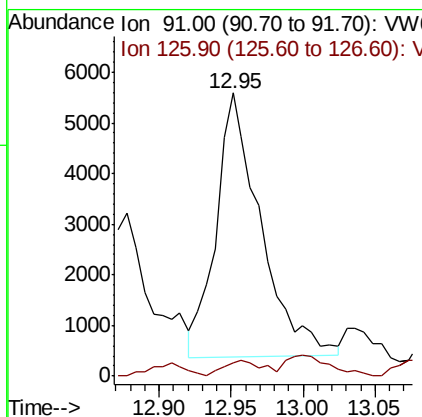
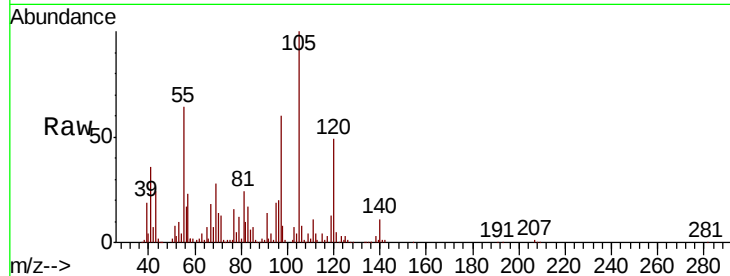




#82
4-Chlorotoluene
Concen: 12.32 ug/l
RT: 12.95 min Scan# 1864
Delta R.T. -0.04 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

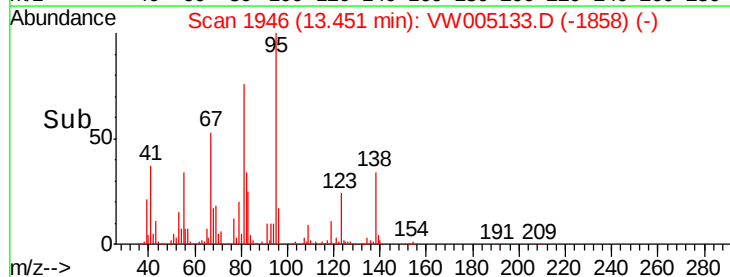
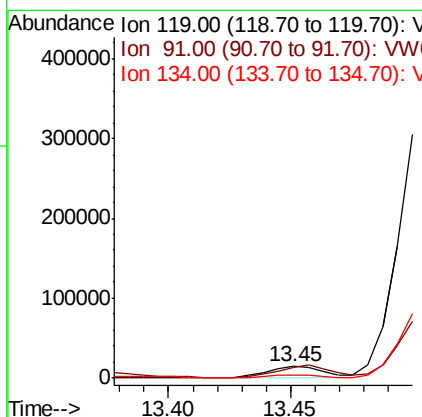
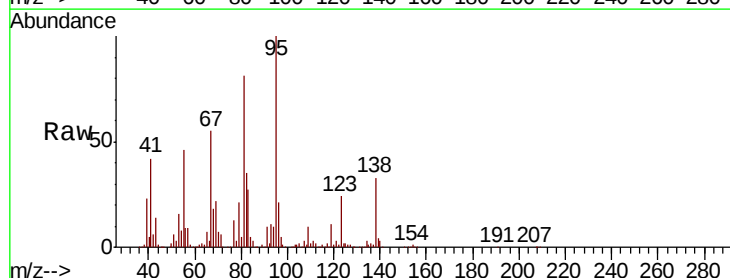
Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-2RE

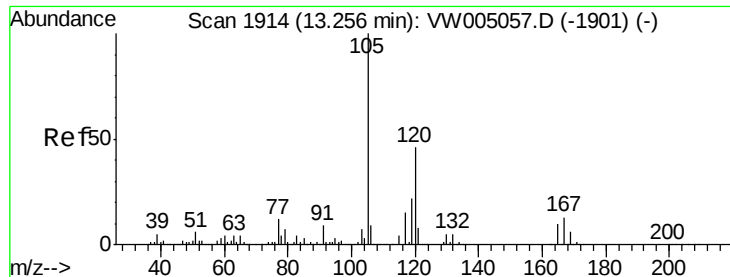
Tot Ion: 91 Resp: 11272
Ion Ratio Lower Upper
91 100
126 5.2 17.4 52.3#



#83
tert-Butylbenzene
Concen: 25.03 ug/l
RT: 13.45 min Scan# 1946
Delta R.T. 0.24 min
Lab File: VW005133.D
Acq: 05 Sep 2018 17:02

Tgt Ion: 119 Resp: 22237
Ion Ratio Lower Upper
119 100
91 102.7 31.8 95.4#
134 28.7 13.0 39.0





#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 :

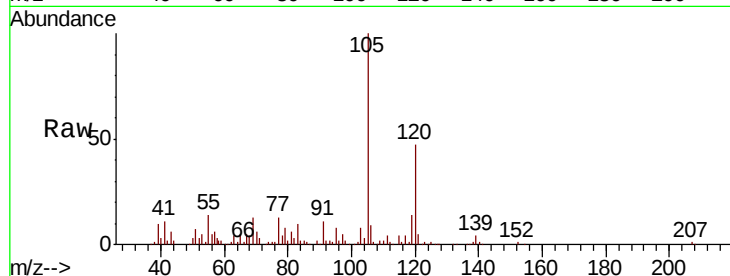
KG-SLUDGE-2RE

Tot Ion:105 Resp: 66288

Ion Ratio Lower Upper

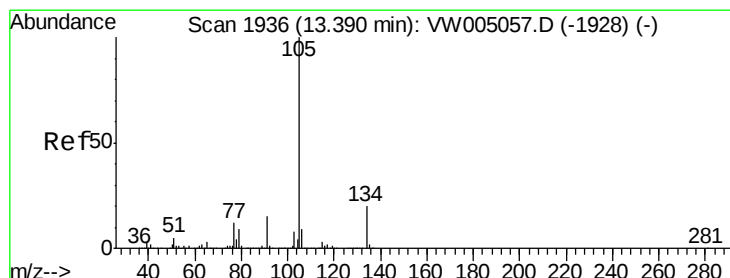
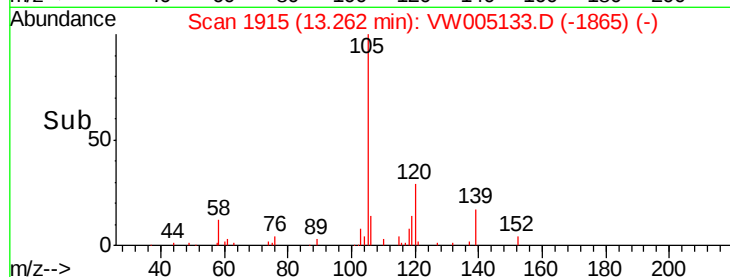
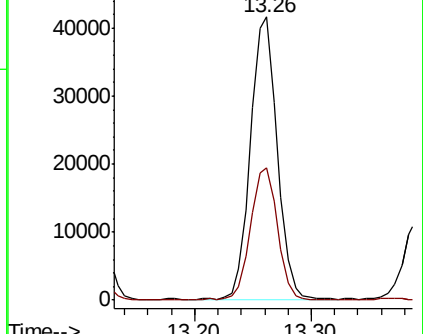
105 100

120 47.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 14.73 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW005133.D

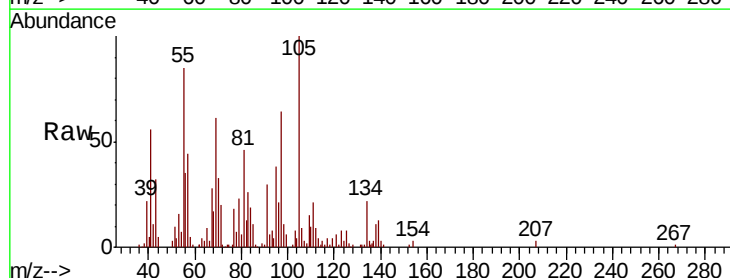
Acq: 05 Sep 2018 17:02

Tgt Ion:105 Resp: 19230

Ion Ratio Lower Upper

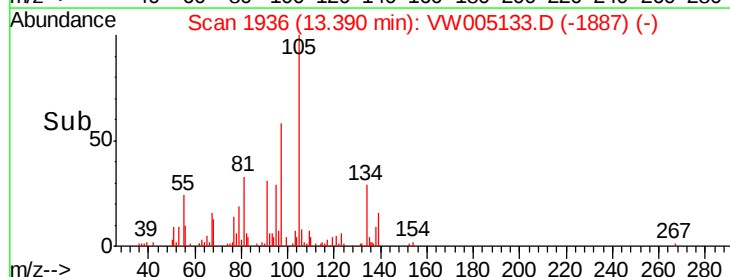
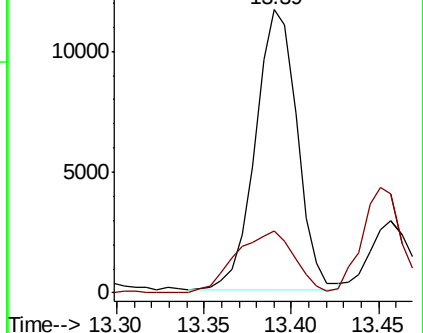
105 100

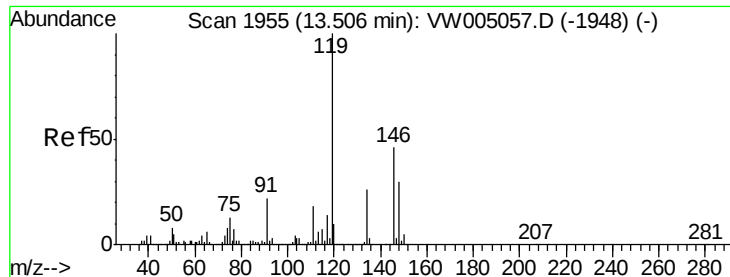
134 31.1 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#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

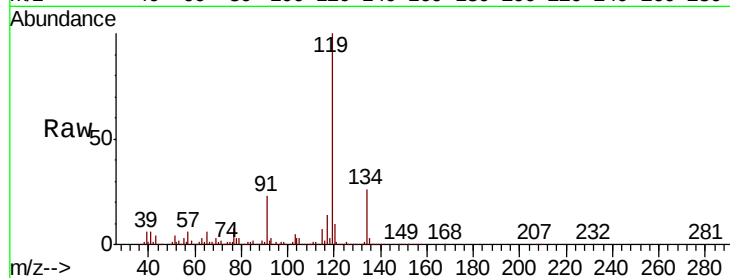
Tot Ion:119 Resp: 581438

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.4 10.9 32.9

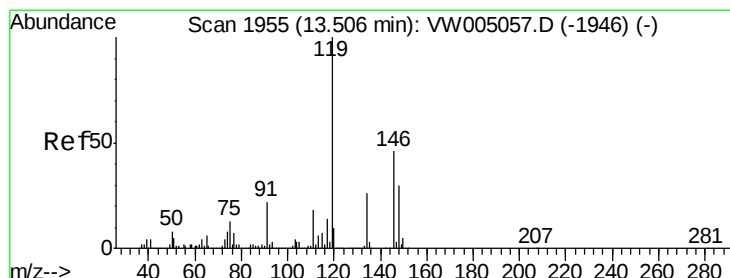
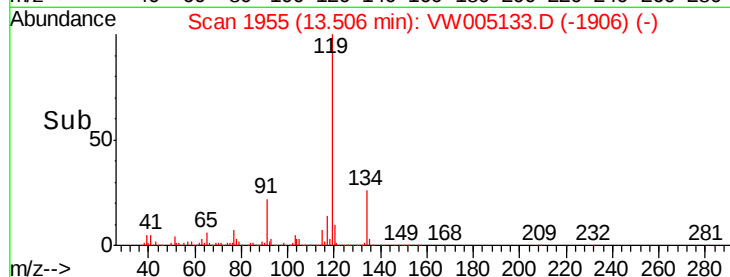
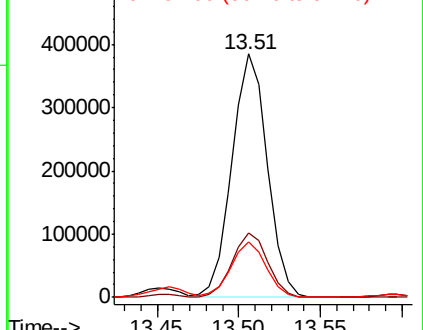


Abundance

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



#87

1,3-Dichlorobenzene

Concen: 1.40 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

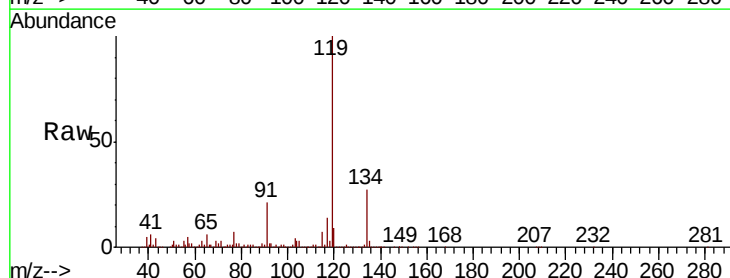
Tgt Ion:146 Resp: 869

Ion Ratio Lower Upper

146 100

111 0.0 19.2 57.6#

148 72.5 31.9 95.7

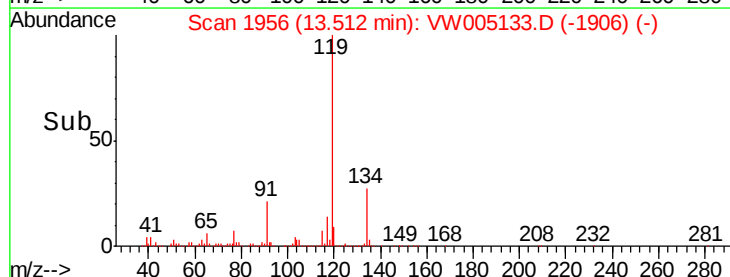
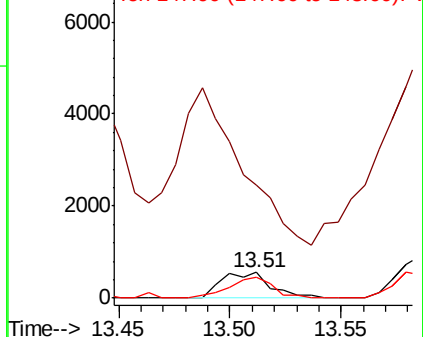


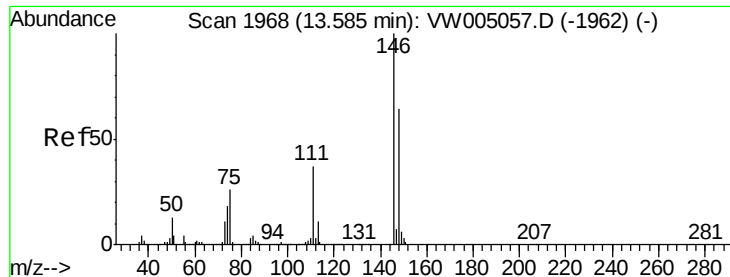
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.33 ug/l

RT: 13.59 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

KG-SLUDGE-2RE

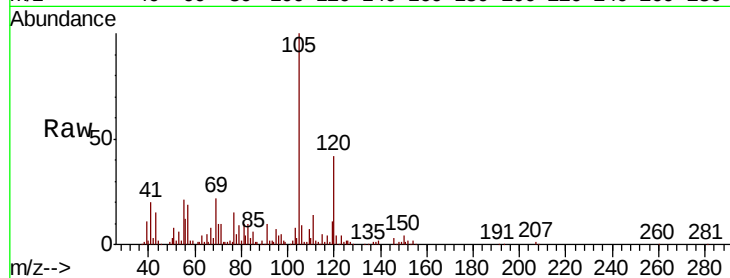
Tot Ion:146 Resp: 1442

Ion Ratio Lower Upper

146 100

111 601.2 18.6 56.0#

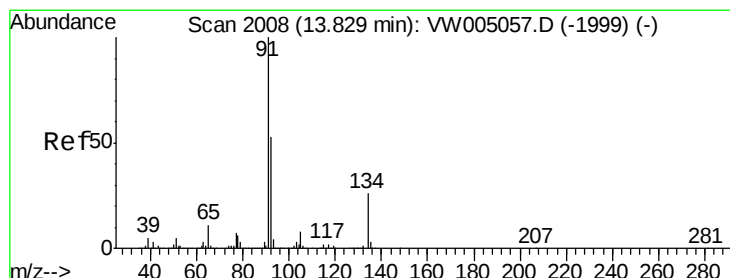
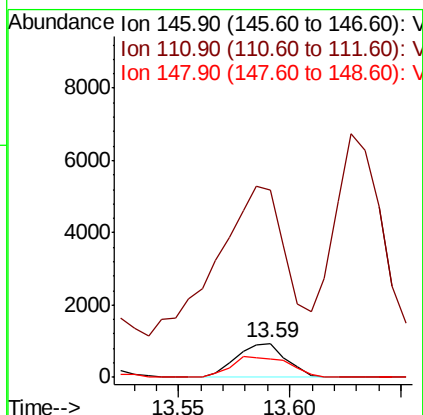
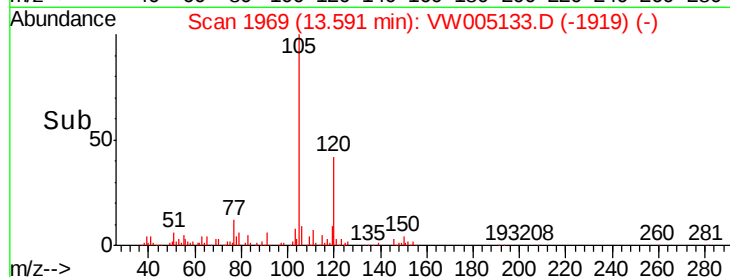
148 70.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#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

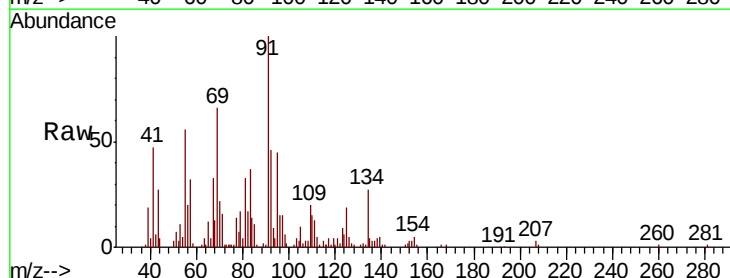
Tgt Ion: 91 Resp: 23241

Ion Ratio Lower Upper

91 100

92 59.5 26.5 79.5

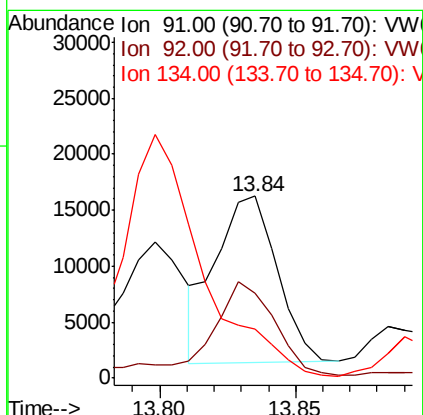
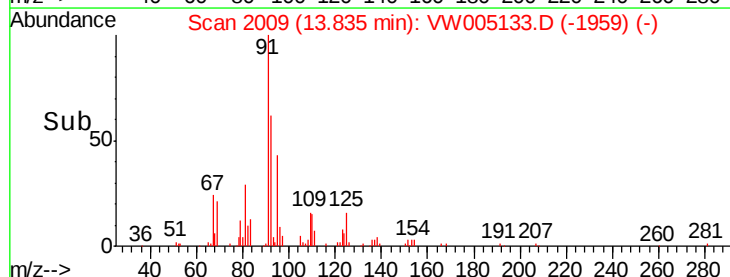
134 0.0 13.5 40.4#

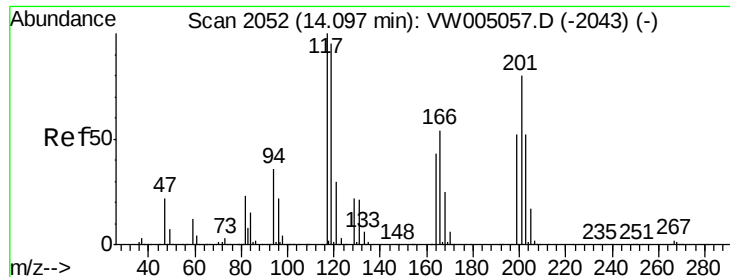


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 75.50 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

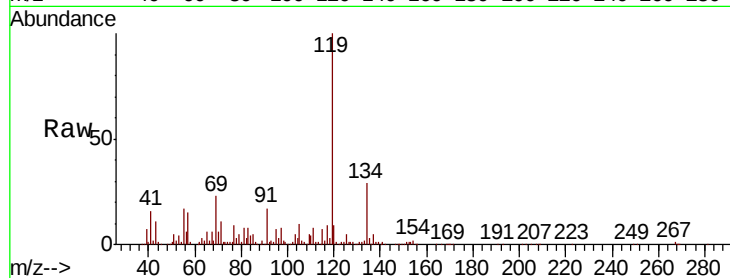
KG-SLUDGE-2RE

Tot Ion:117 Resp: 14496

Ion Ratio Lower Upper

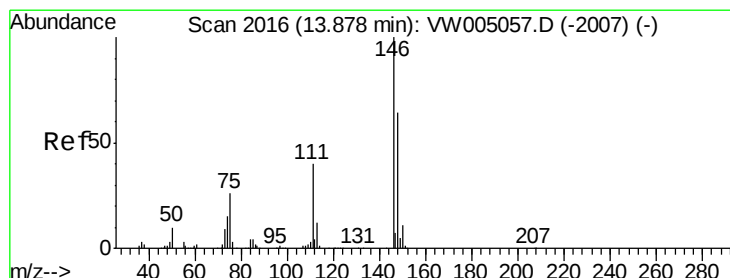
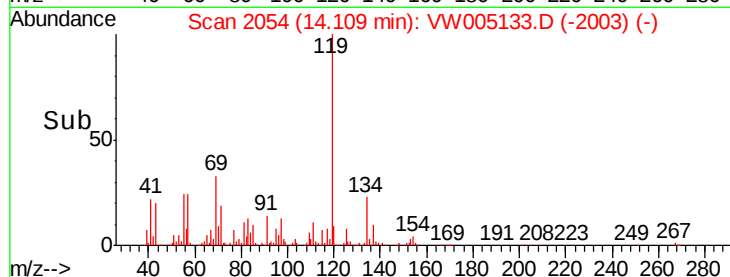
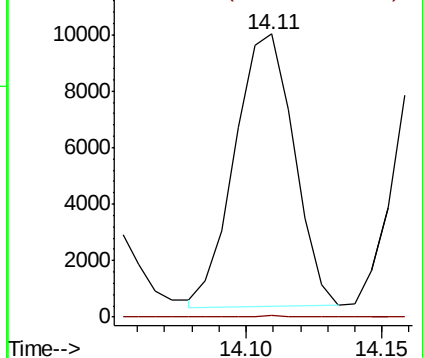
117 100

201 0.2 44.6 133.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.66 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

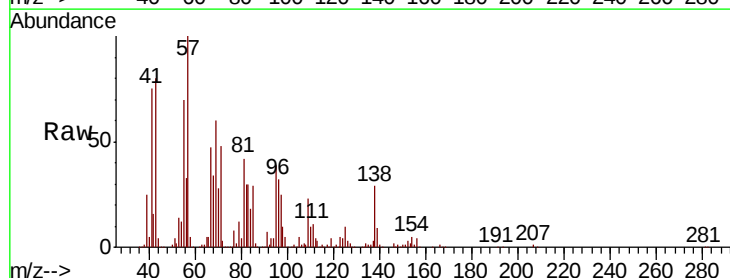
Tgt Ion:146 Resp: 899

Ion Ratio Lower Upper

146 100

111 0.0 19.9 59.7#

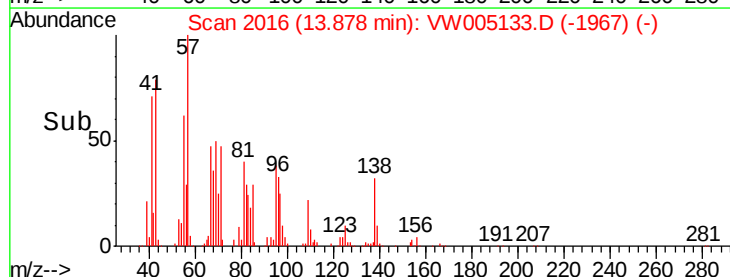
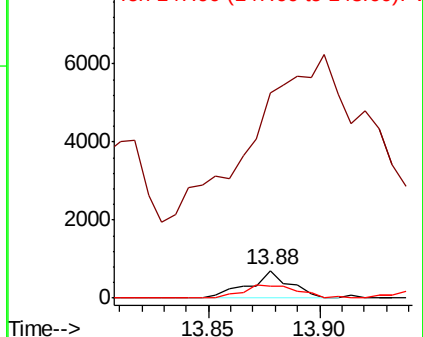
148 63.6 31.9 95.9

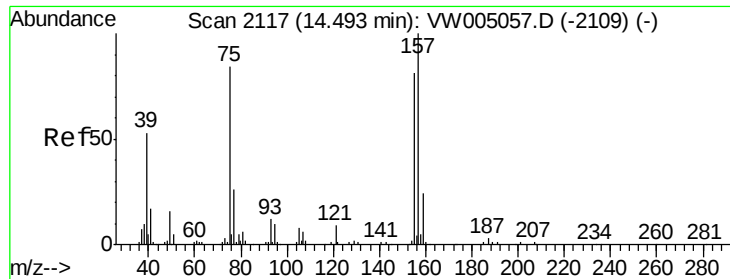


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

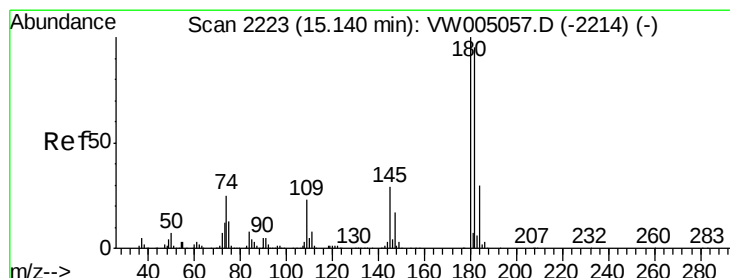
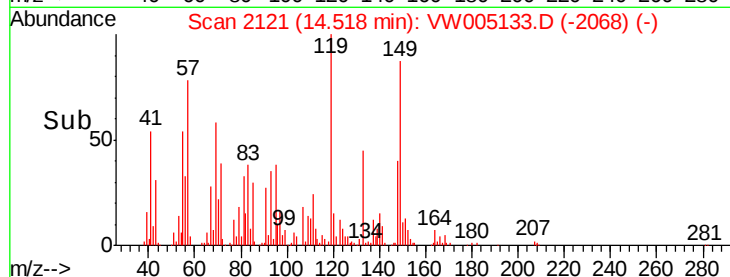
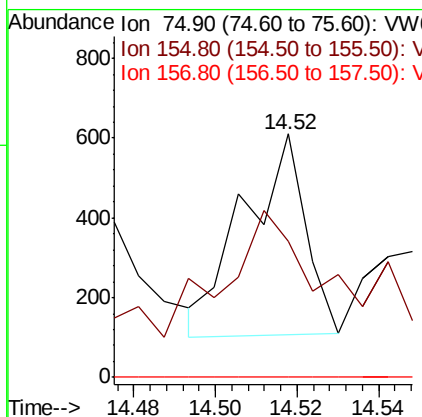
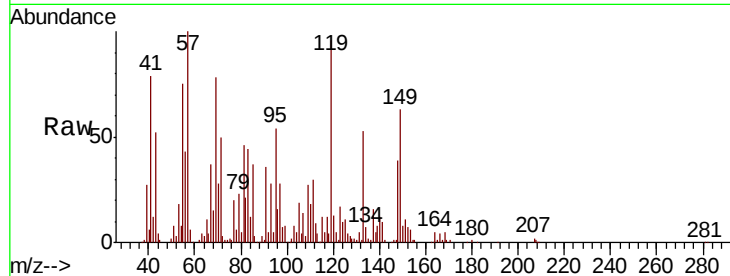




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.04 ug/l
 RT: 14.52 min Scan# 2121
 Delta R.T. 0.02 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

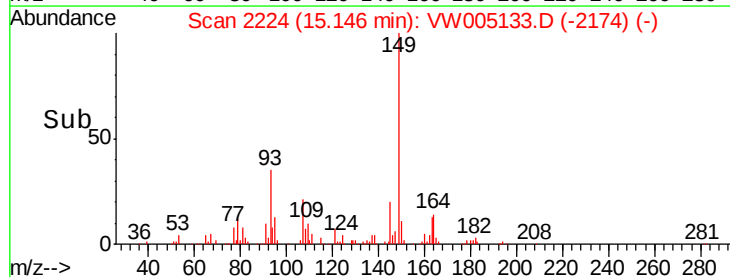
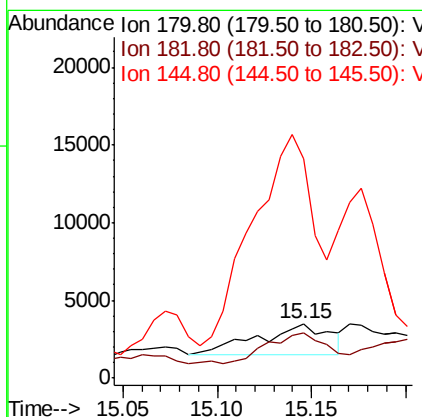
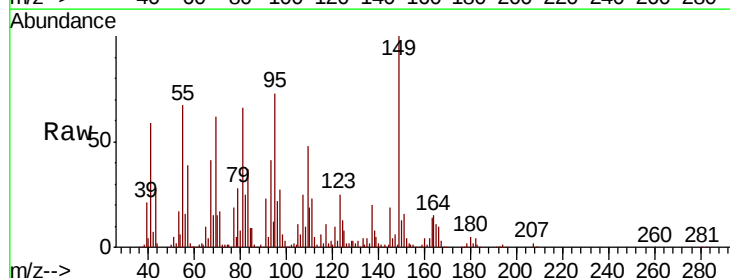
Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

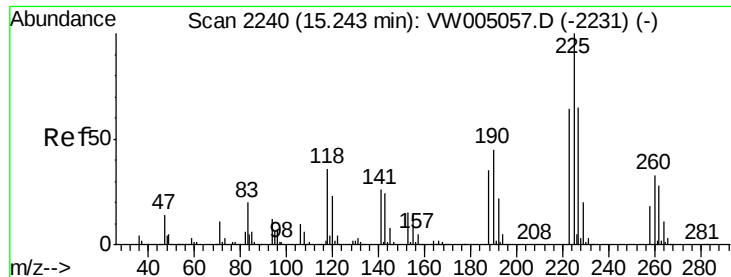
Tot Ion: 75 Resp: 528
 Ion Ratio Lower Upper
 75 100
 155 107.6 46.0 137.8
 157 0.0 58.6 175.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 14.47 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Tgt Ion:180 Resp: 5265
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.5 142.6
 145 729.8 14.4 43.2#





#94

Hexachlorobutadiene

Concen: 1.94 ug/l

RT: 15.24 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW005133.D

Acq: 05 Sep 2018 17:02

Instrument :

MSVOA_W

ClientSampleId :

KG-SLUDGE-2RE

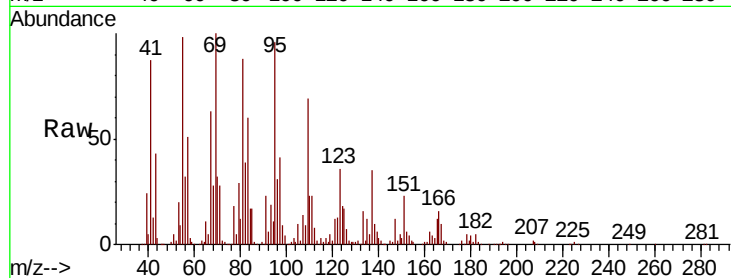
Tot Ion:225 Resp: 440

Ion Ratio Lower Upper

225 100

223 72.3 31.4 94.3

227 52.7 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.24

400

300

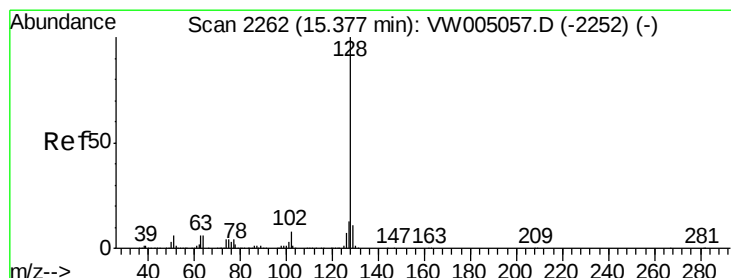
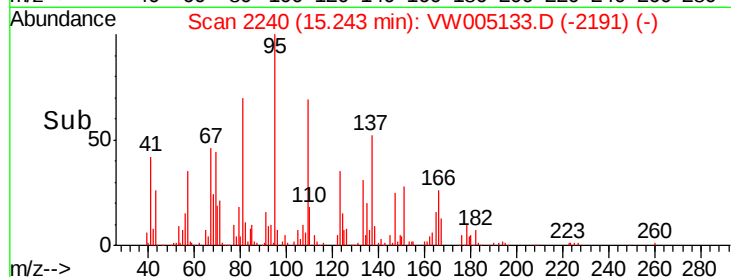
200

100

0

15.20 15.25 15.30

Time-->



#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

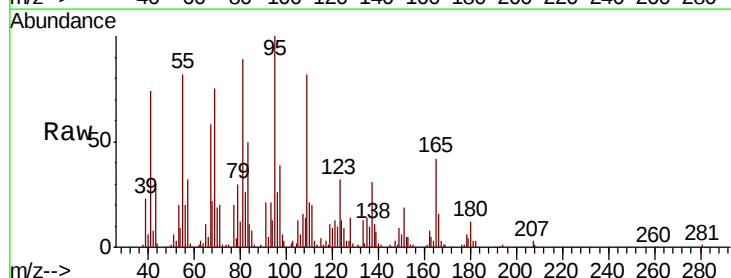
Tgt Ion:128 Resp: 13725

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 4.0 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

15.38

8000

6000

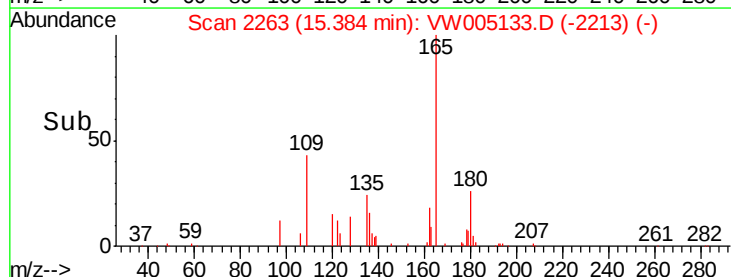
4000

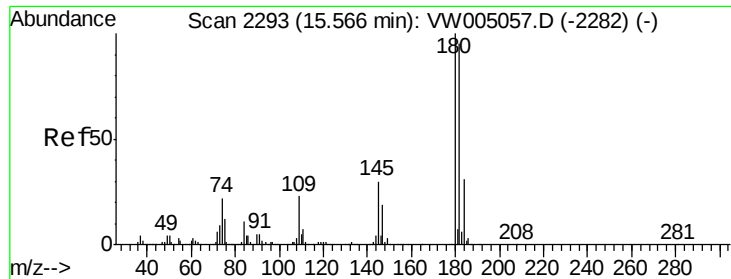
2000

0

15.30 15.35 15.40

Time-->

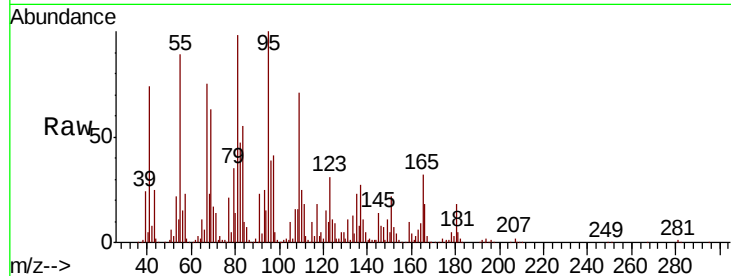




#96
 1,2,3-Trichlorobenzene
 Concen: 52.45 ug/l
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.03 min
 Lab File: VW005133.D
 Acq: 05 Sep 2018 17:02

Instrument :
 MSVOA_W
 ClientSampleId :
 KG-SLUDGE-2RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.3#
145	0.0	15.4	46.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

