

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050994.D
 Acq On : 31 Aug 2018 17:42
 Operator : MD\SY
 Sample : J4726-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KG-SLUDGE-1

Quant Time: Aug 31 23:03:39 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	556080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	886266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	733499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	253842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	358783	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	7.60	113	342769	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.09	98	1202197	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	12.40	95	310576	35.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.90%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	1966	0.21	ug/l	92
5) Bromomethane	2.57	94	2046	Below	Cal	# 75
10) Methyl Iodide	3.96	142	505	6.41	ug/l	# 43
11) Tert butyl alcohol	4.80	59	198	0.46	ug/l	# 72
14) Allyl chloride	4.56	41	6418	0.66	ug/l	# 26
16) Acetone	3.83	43	21328	6.58	ug/l	98
17) Carbon Disulfide	4.06	76	10300	0.49	ug/l	100
18) Methyl Acetate	4.34	43	15623	2.47	ug/l	# 88
20) Methylene Chloride	4.55	84	161926	21.46	ug/l	97
25) 2-Butanone	6.85	43	10216	3.79	ug/l	93
29) Tetrahydrofuran	7.21	42	590	0.38	ug/l	# 69
30) Chloroform	7.38	83	3860	0.31	ug/l	# 78
31) Cyclohexane	7.67	56	10608	1.39	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	37566	3.59	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	49350	4.67	ug/l	# 16
39) Methylcyclohexane	9.08	83	3246	0.29	ug/l	94
43) Isopropyl Acetate	8.17	43	197615	19.13	ug/l	96
48) Methyl methacrylate	9.19	41	6471	1.23	ug/l	# 18
51) 4-Methyl-2-Pentanone	9.99	43	1545	0.25	ug/l	90
52) Toluene	10.16	92	6296	0.34	ug/l	96
56) Ethyl methacrylate	10.43	69	204	2.37	ug/l	# 1
59) 2-Hexanone	10.77	43	12468	3.04	ug/l	70
67) Ethyl Benzene	11.51	91	7531	0.24	ug/l	# 86
68) m/p-Xylenes	11.62	106	7641	0.65	ug/l	92
69) o-Xylene	11.95	106	5327	0.47	ug/l	91
70) Styrene	11.96	104	693	1.30	ug/l	# 1
73) Isopropylbenzene	12.25	105	10552	0.50	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.40	83	200	Below	Cal	# 1
76) 1,2,3-Trichloropropane	12.40	75	145584	32.74	ug/l	# 100
78) n-propylbenzene	12.59	91	22206	0.95	ug/l	97
79) 2-Chlorotoluene	12.65	91	4633	0.32	ug/l	# 39
80) 1,3,5-Trimethylbenzene	12.73	105	32211	1.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	145584	110.70	ug/l	# 15
82) 4-Chlorotoluene	12.73	91	3196	0.22	ug/l	# 40

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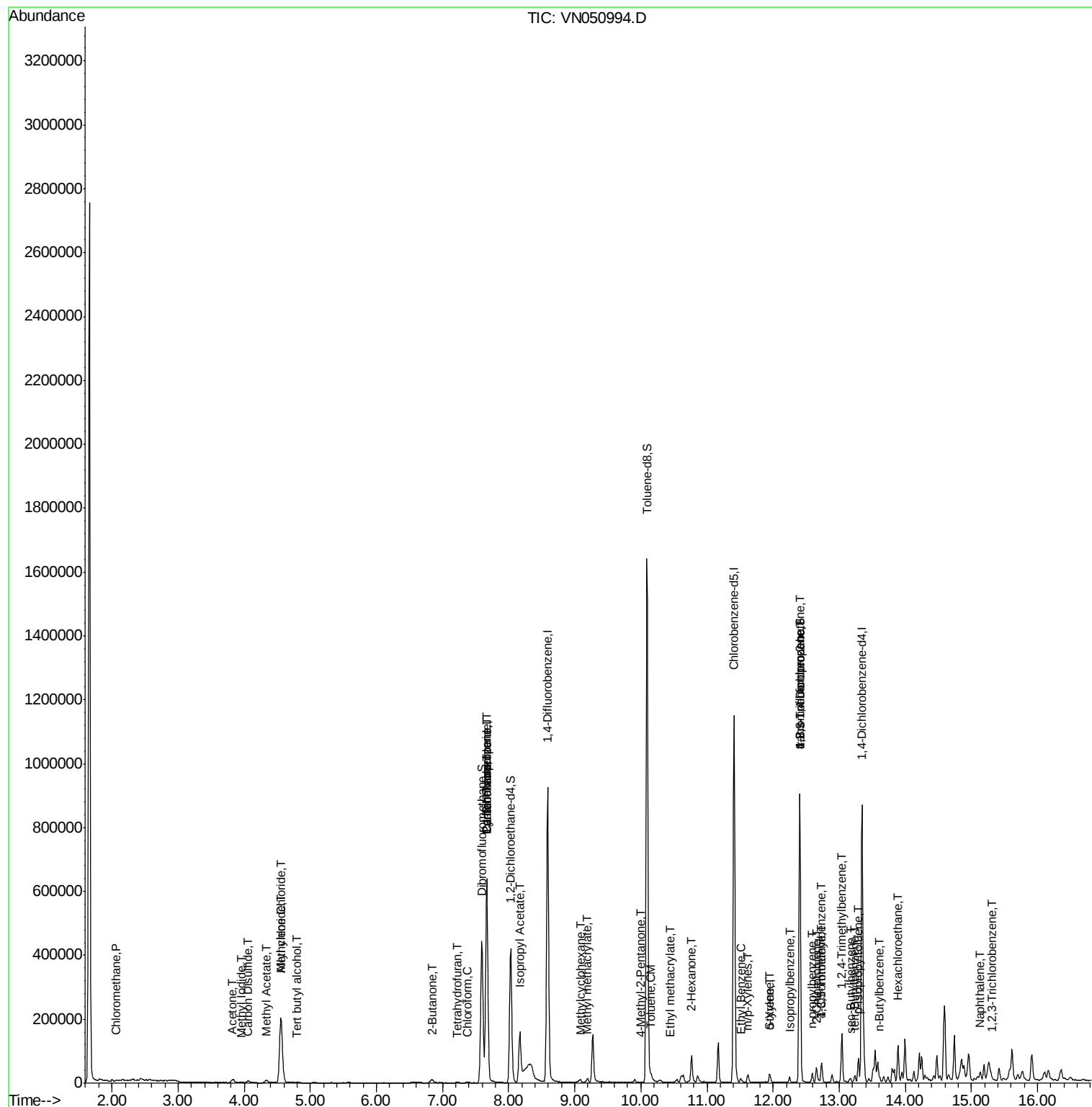
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.23	119	7263	0.49	ug/l	73
84) 1,2,4-Trimethylbenzene	13.04	105	84509	4.95	ug/l	100
85) sec-Butylbenzene	13.17	105	8359	0.43	ug/l	84
86) p-Isopropyltoluene	13.29	119	42472	2.59	ug/l	99
89) n-Butylbenzene	13.61	91	4795	0.37	ug/l #	71
90) Hexachloroethane	13.89	117	7967	2.72	ug/l #	4
95) Naphthalene	15.13	128	23845	7.50	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	29	3.30	ug/l #	12

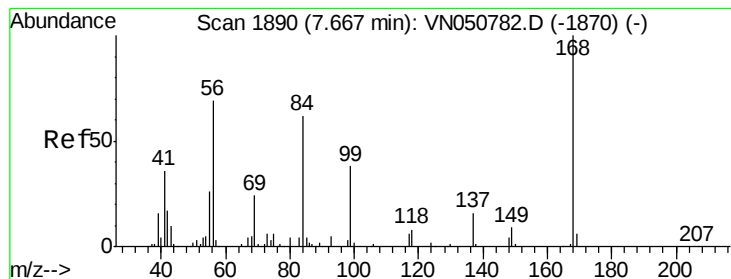
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

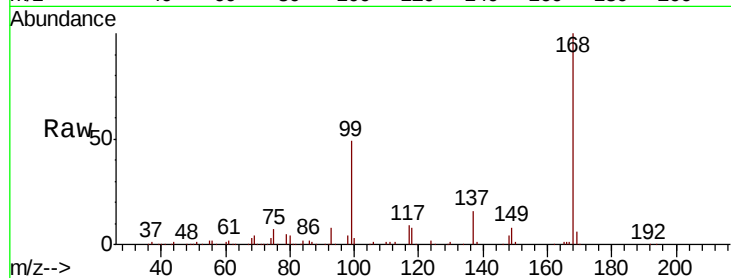
KG-SLUDGE-1

Tot Ion:168 Resp: 556080

Ion Ratio Lower Upper

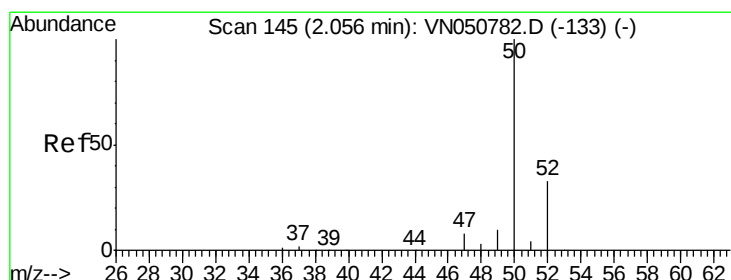
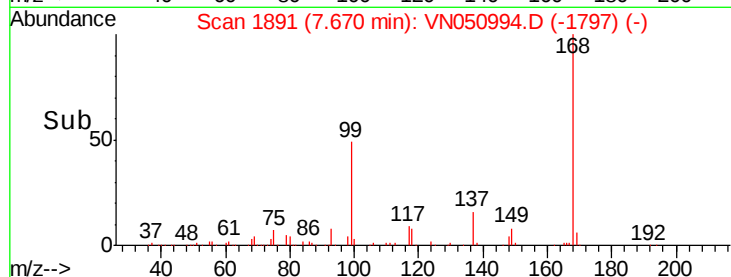
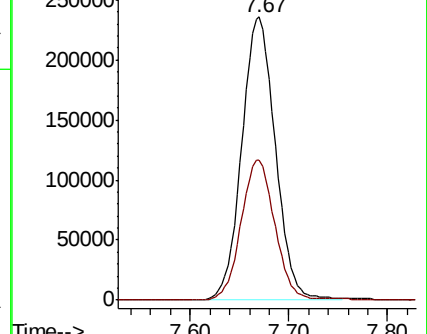
168 100

99 49.5 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050994.D

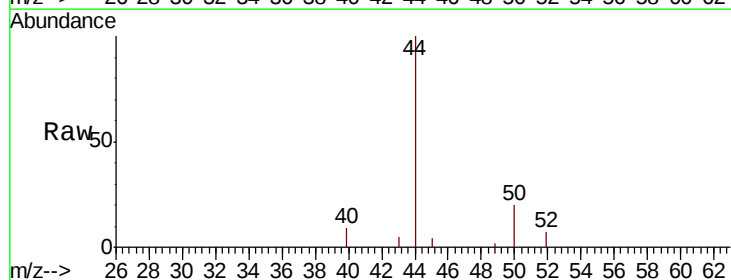
Acq: 31 Aug 2018 17:42

Tgt Ion: 50 Resp: 1966

Ion Ratio Lower Upper

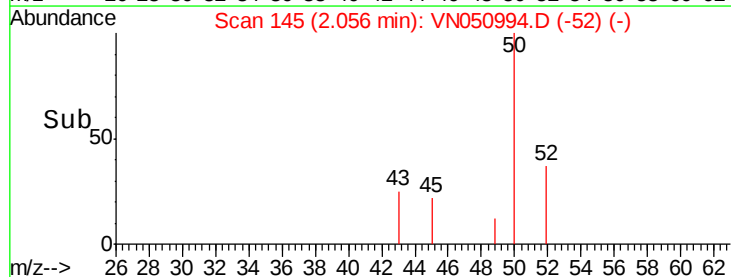
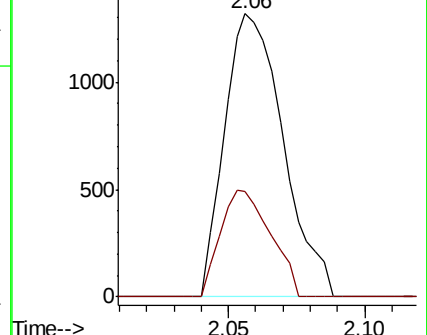
50 100

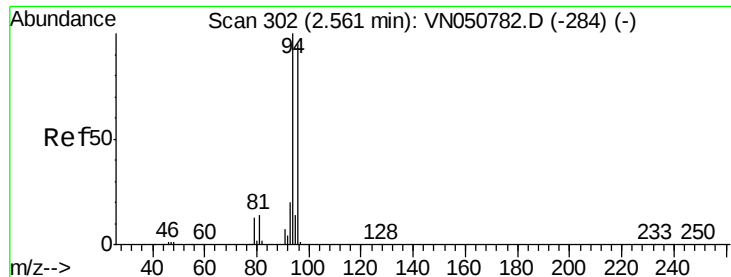
52 37.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

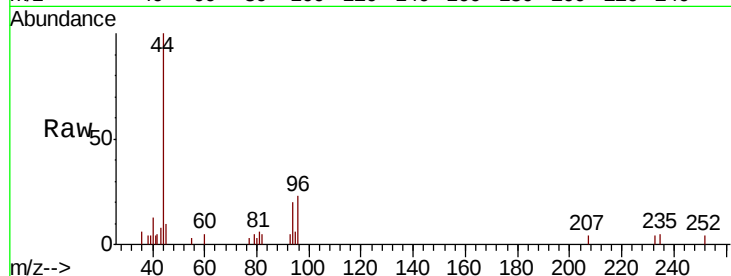
KG-SLUDGE-1

Tot Ion: 94 Resp: 2046

Ion Ratio Lower Upper

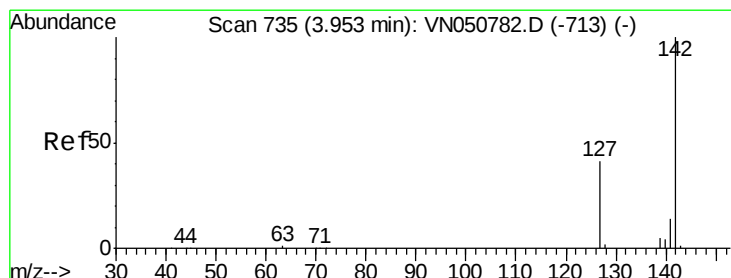
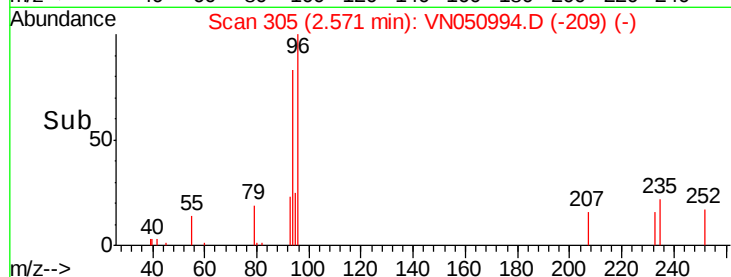
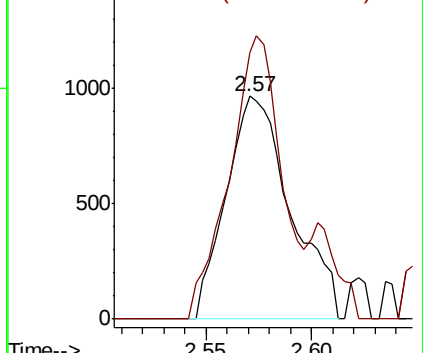
94 100

96 119.8 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN050994.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050994.D (-284) (-)



#10

Methyl Iodide

Concen: 6.41 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

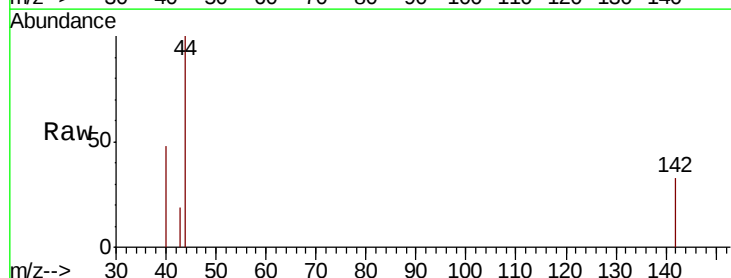
Tgt Ion: 142 Resp: 505

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

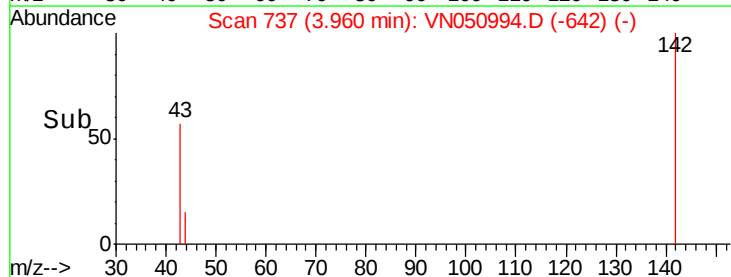
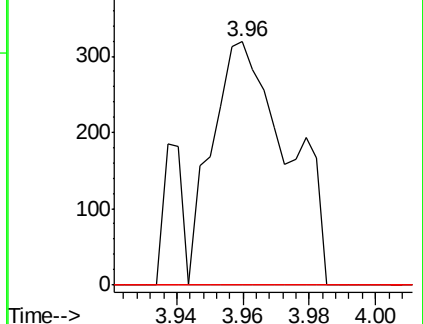
141 0.0 11.4 17.0#

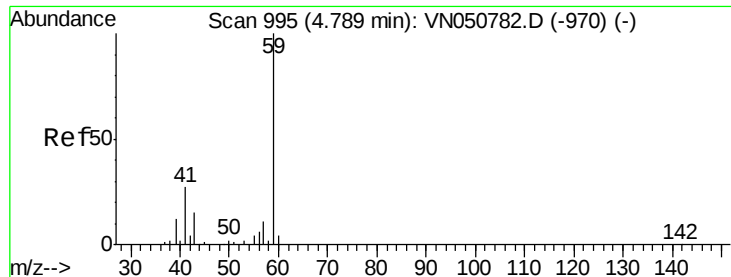


Abundance Ion 141.80 (141.50 to 142.50): VN050994.D (-642) (-)

Ion 126.80 (126.50 to 127.50): VN050994.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050994.D (-642) (-)

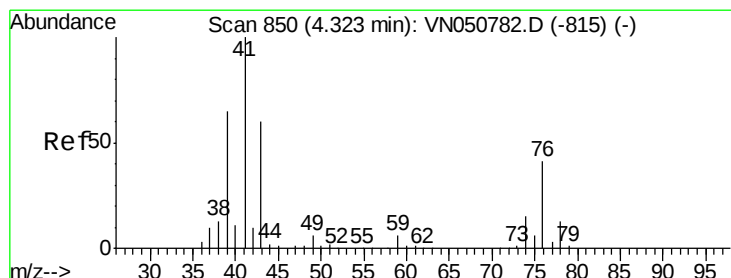
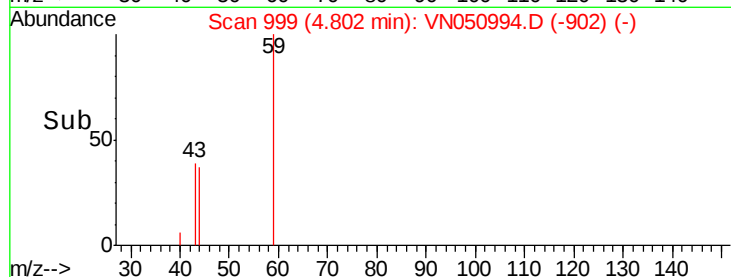
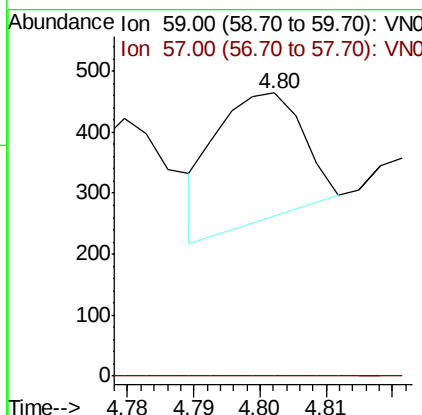
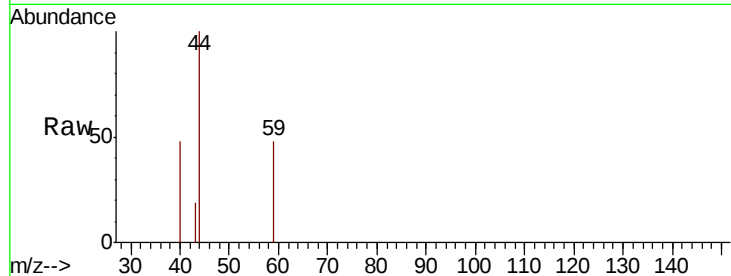




#11
Tert butvl alcohol
Concen: 0.46 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

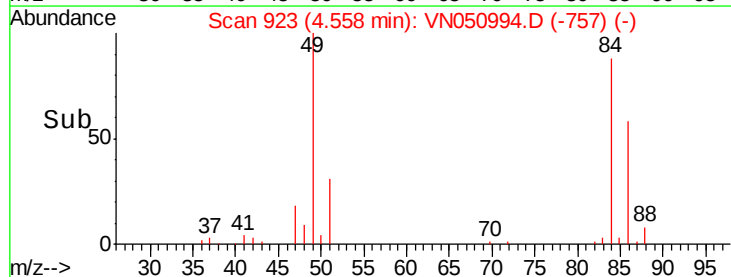
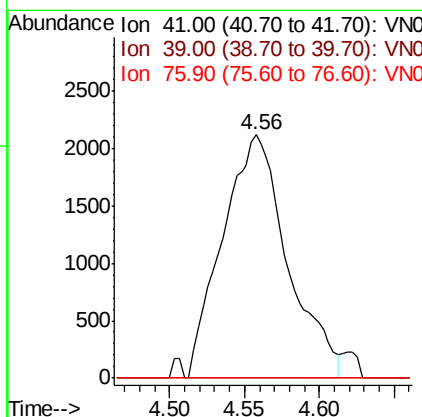
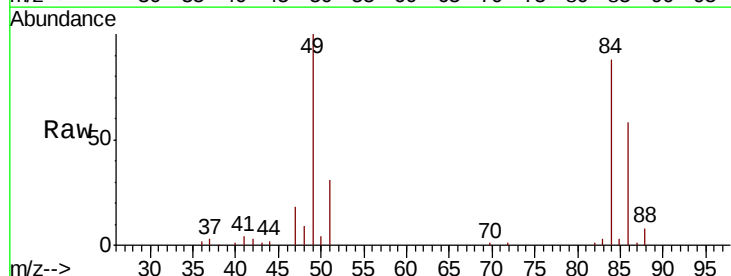
Instrument :
MSVOA_N
ClientSampleId :
KG-SLUDGE-1

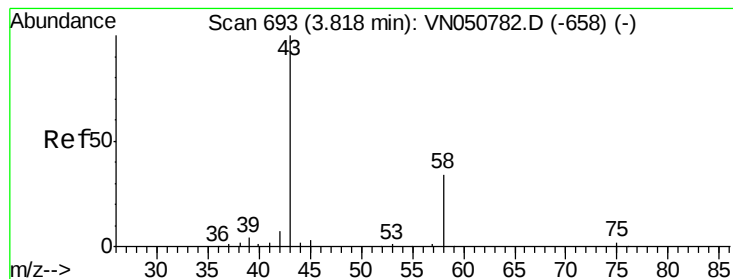
Tot Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.66 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.23 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

Tgt Ion: 41 Resp: 6418
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.2#
76 0.0 29.8 44.8#





#16

Acetone

Concen: 6.58 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

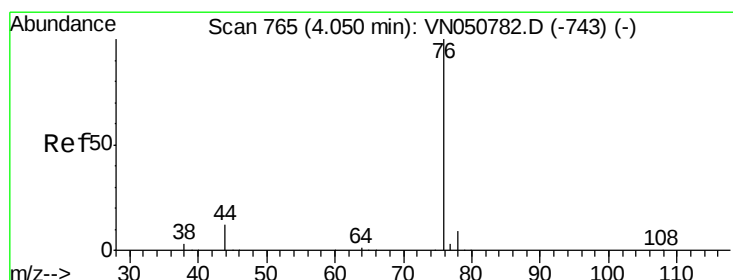
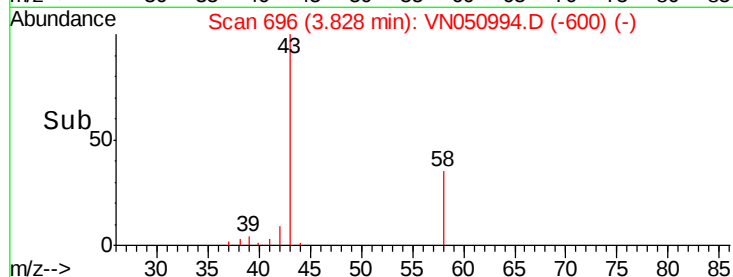
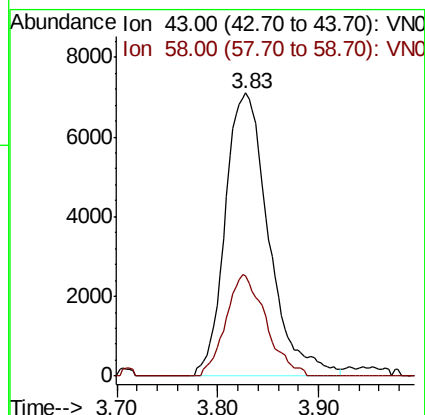
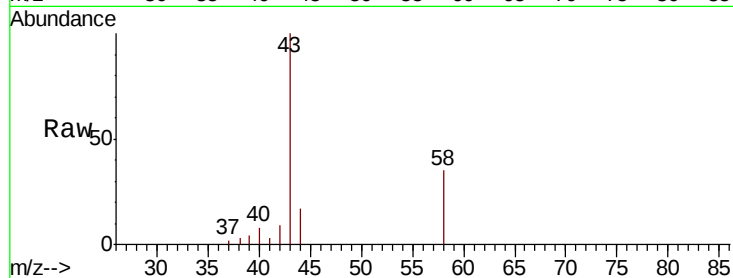
KG-SLUDGE-1

Tot Ion: 43 Resp: 21328

Ion Ratio Lower Upper

43 100

58 35.4 27.2 40.8



#17

Carbon Disulfide

Concen: 0.49 ug/l

RT: 4.06 min Scan# 767

Delta R.T. 0.01 min

Lab File: VN050994.D

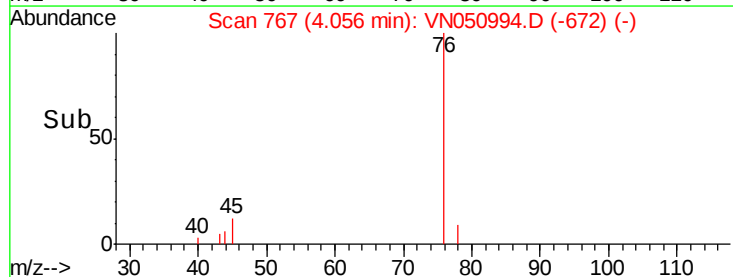
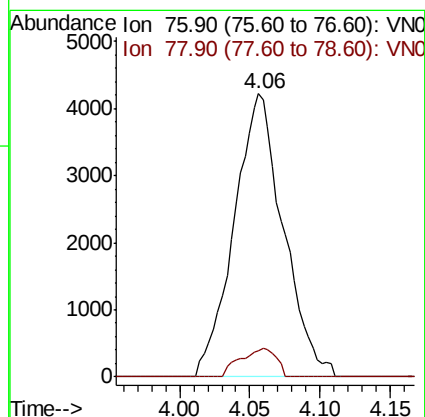
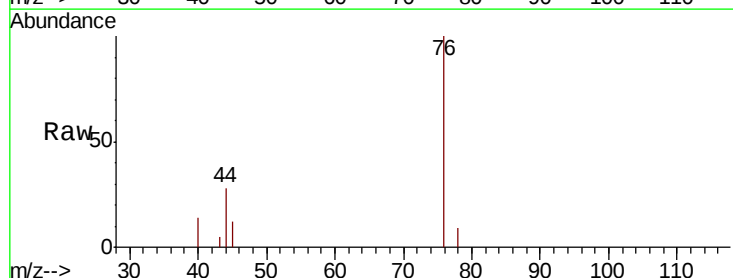
Acq: 31 Aug 2018 17:42

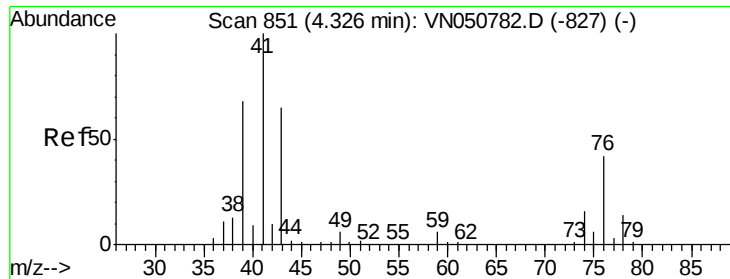
Tgt Ion: 76 Resp: 10300

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

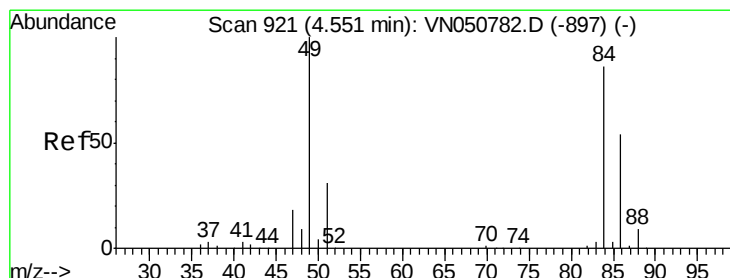
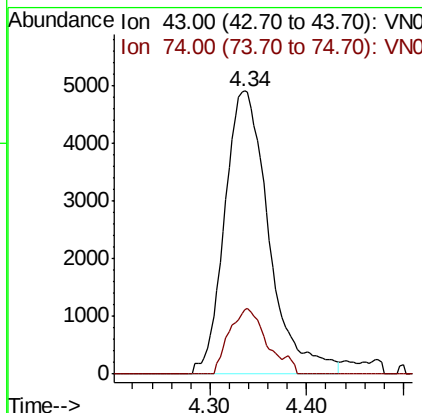
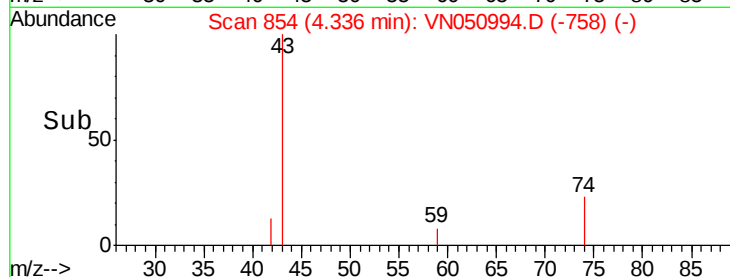
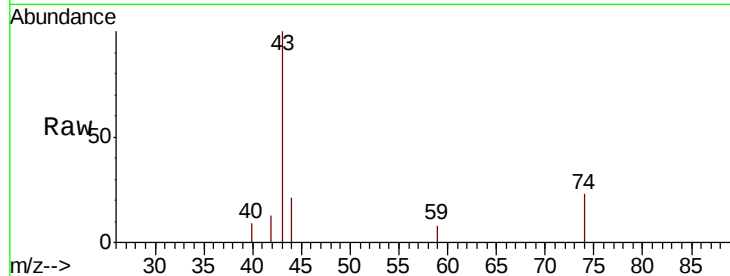




#18
Methyl Acetate
Concen: 2.47 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

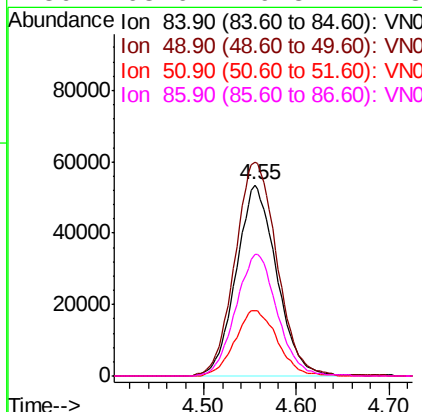
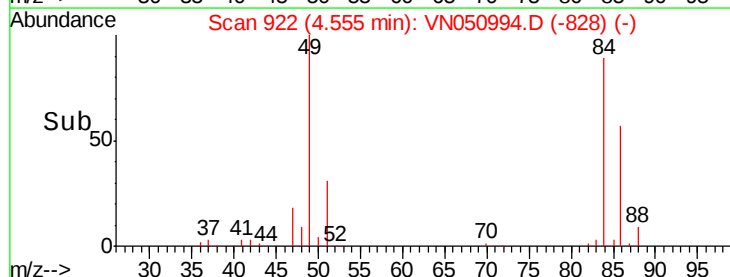
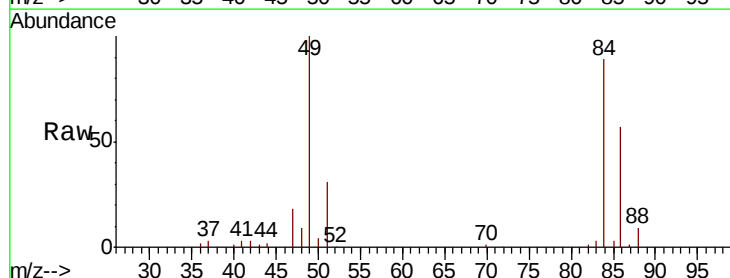
Instrument :
MSVOA_N
ClientSampled :
KG-SLUDGE-1

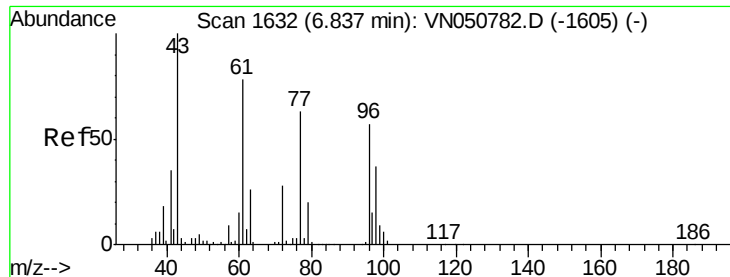
Tot Ion: 43 Resp: 15623
Ion Ratio Lower Upper
43 100
74 18.6 19.8 29.8#



#20
Methylene Chloride
Concen: 21.46 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

Tgt Ion: 84 Resp: 161926
Ion Ratio Lower Upper
84 100
49 111.8 93.2 139.8
51 34.4 29.0 43.6
86 63.6 49.8 74.8





#25

2-Butanone

Concen: 3.79 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. 0.02 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

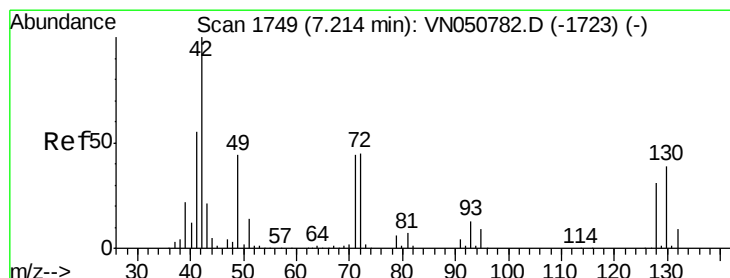
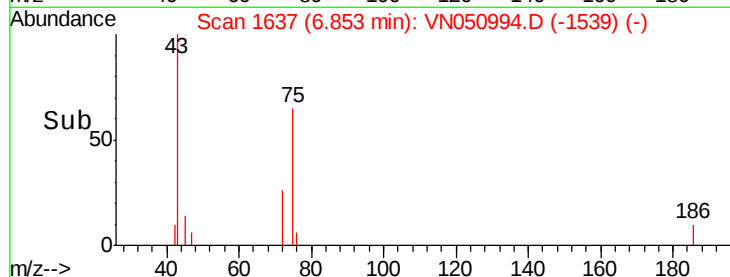
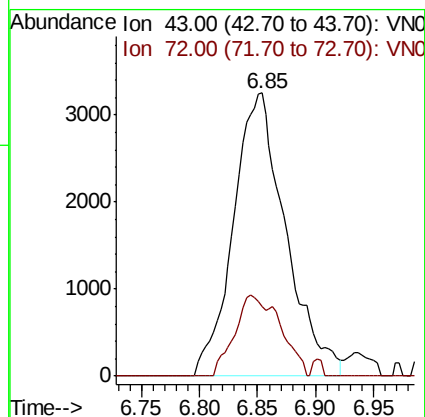
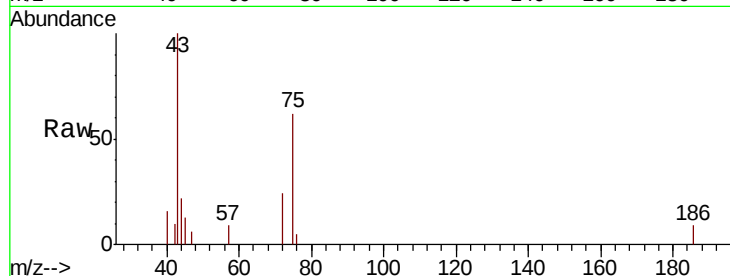
KG-SLUDGE-1

Tot Ion: 43 Resp: 10216

Ion Ratio Lower Upper

43 100

72 24.5 22.3 33.5



#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

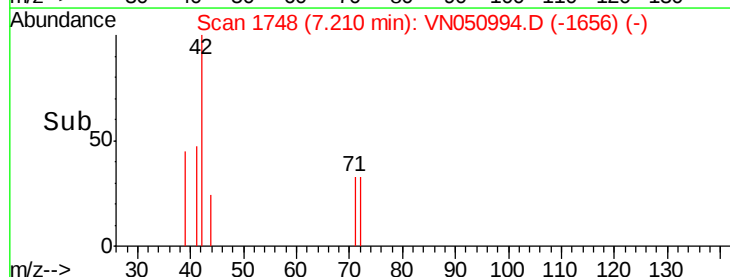
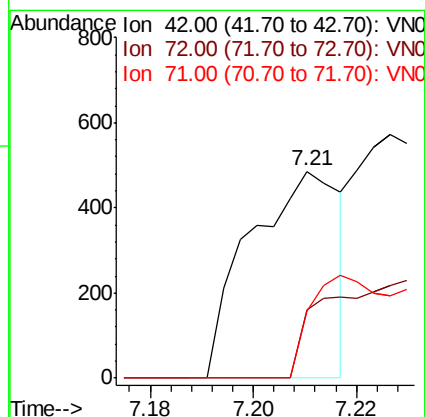
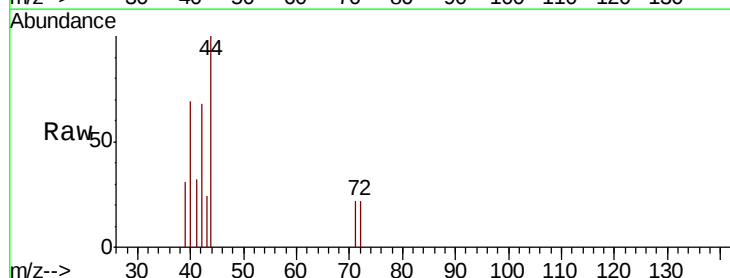
Tgt Ion: 42 Resp: 590

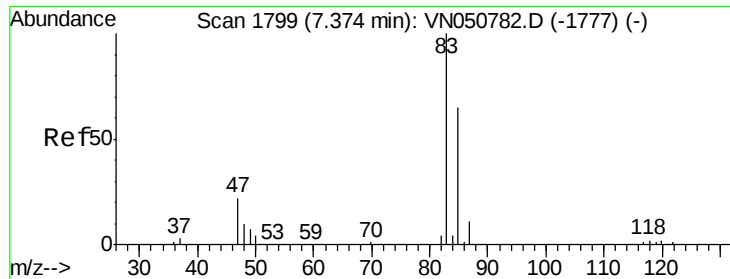
Ion Ratio Lower Upper

42 100

72 81.9 35.5 53.3#

71 40.5 33.7 50.5

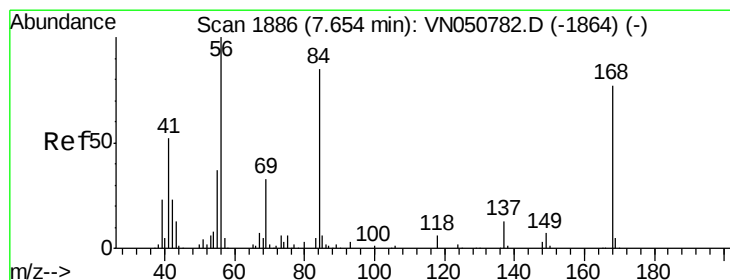
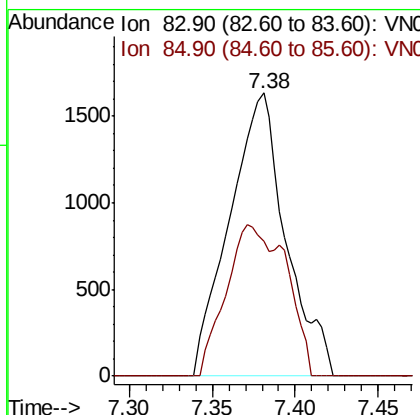
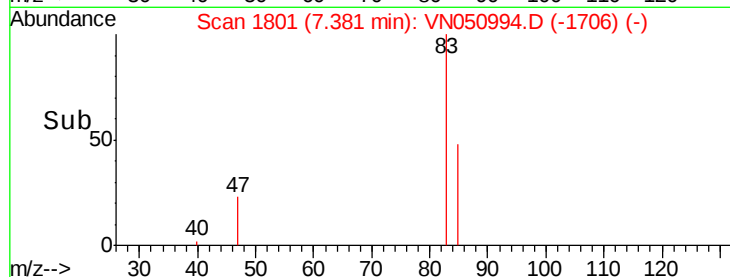
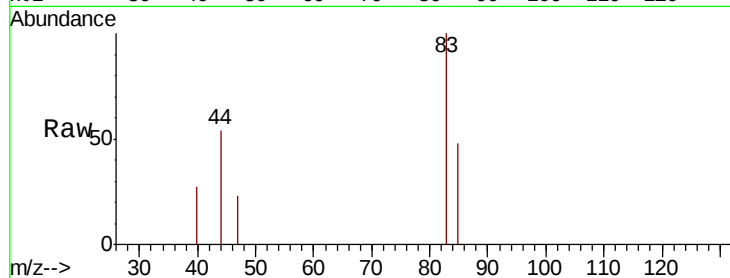




#30
Chloroform
Concen: 0.31 ug/l
RT: 7.38 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

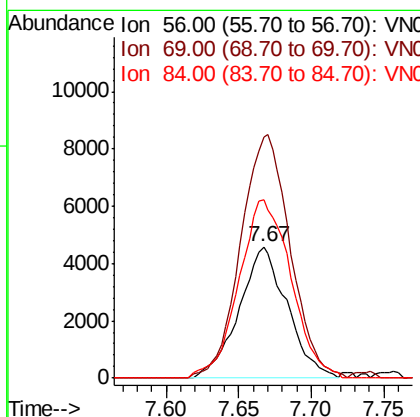
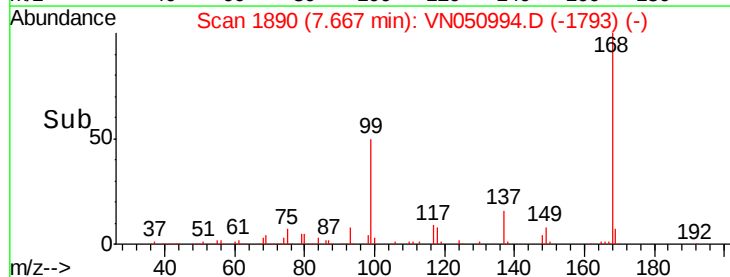
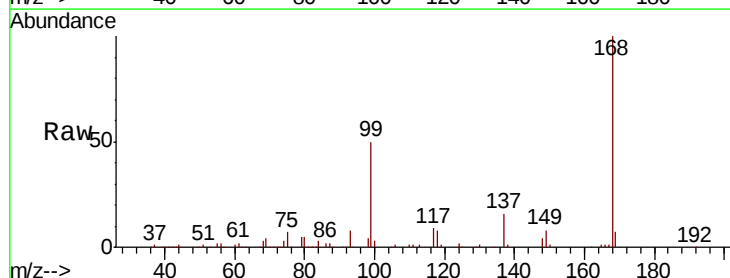
Instrument :
MSVOA_N
ClientSampleId :
KG-SLUDGE-1

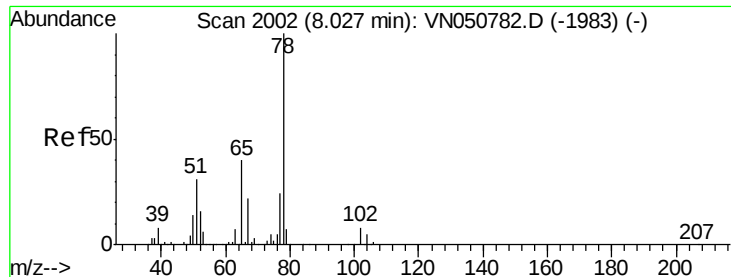
Tot Ion: 83 Resp: 3860
Ion Ratio Lower Upper
83 100
85 47.6 52.2 78.4#



#31
Cyclohexane
Concen: 1.39 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

Tgt Ion: 56 Resp: 10608
Ion Ratio Lower Upper
56 100
69 184.0 26.2 39.4#
84 135.4 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 53.59 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

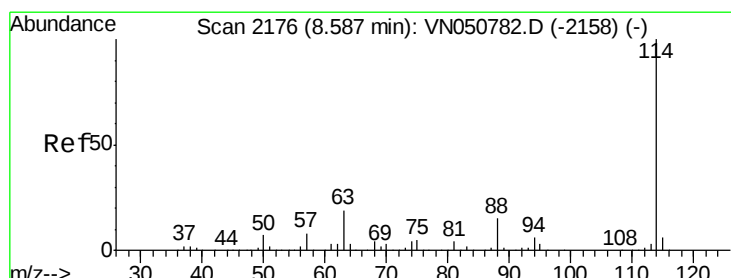
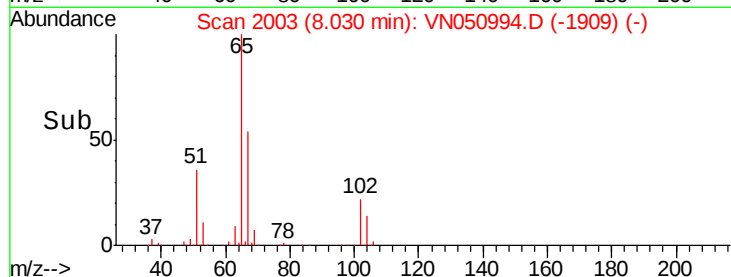
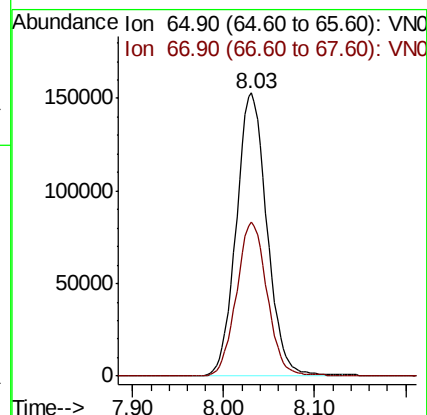
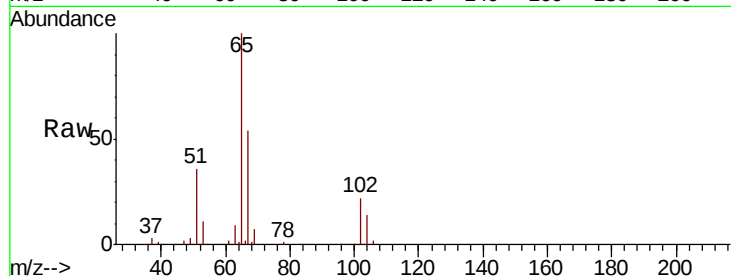
KG-SLUDGE-1

Tot Ion: 65 Resp: 358783

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

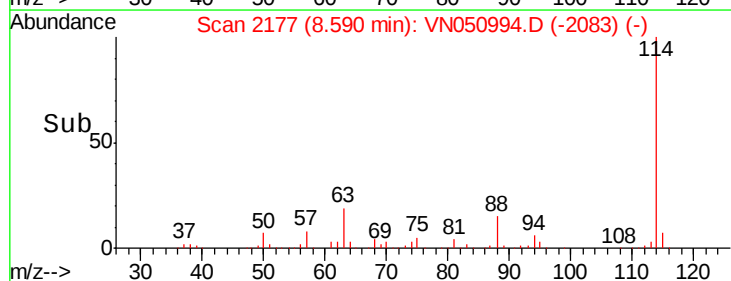
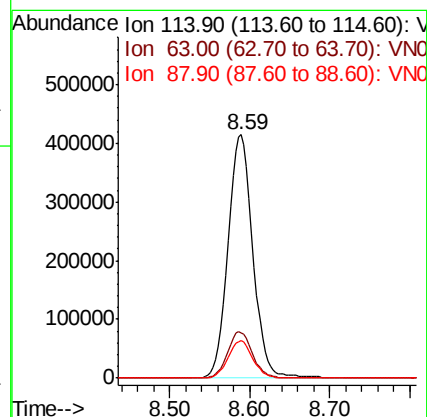
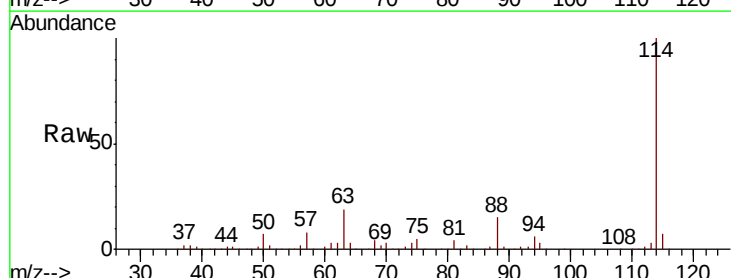
Tgt Ion: 114 Resp: 886266

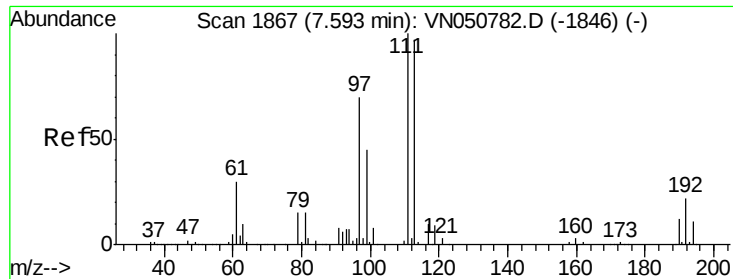
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.4 0.0 30.6

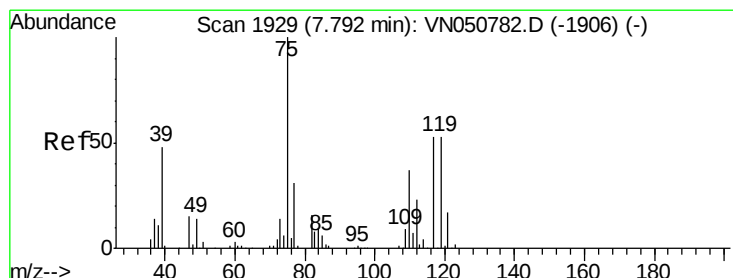
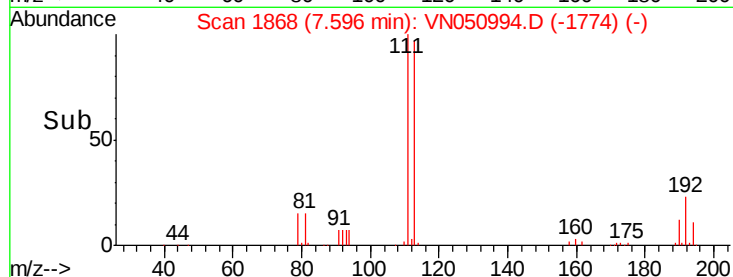
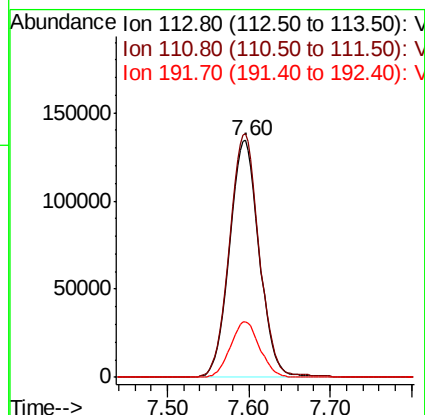
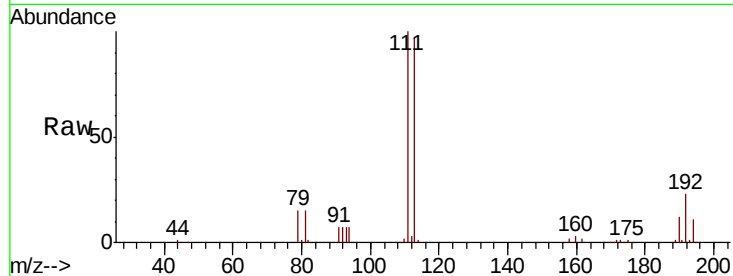




#35
 Dibromofluoromethane
 Concen: 48.61 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN050994.D
 Acq: 31 Aug 2018 17:42

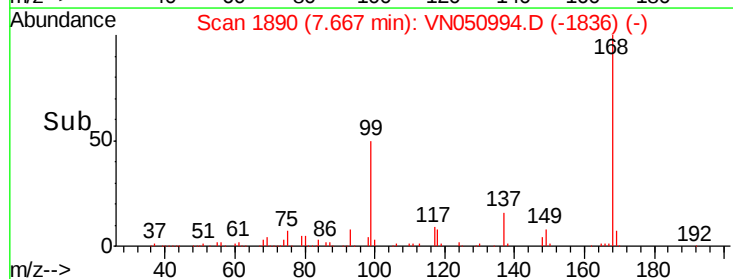
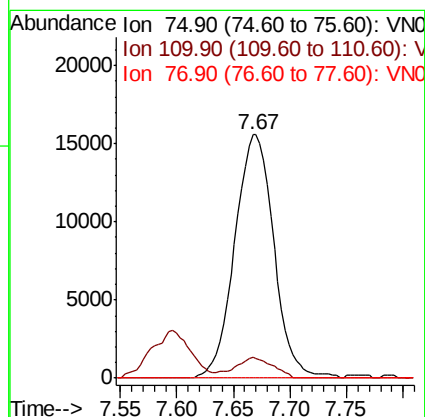
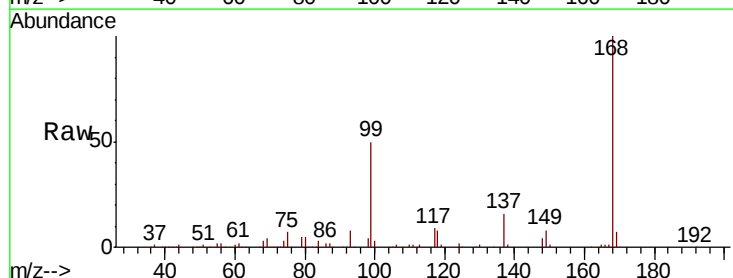
Instrument :
 MSVOA_N
 ClientSampleId :
 KG-SLUDGE-1

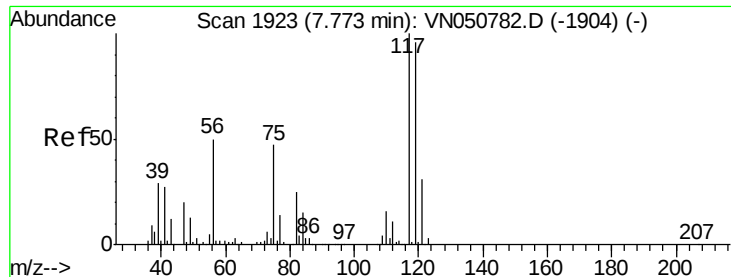
Tot Ion:113 Resp: 342769
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.6 123.8
 192 23.2 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 3.59 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050994.D
 Acq: 31 Aug 2018 17:42

Tgt Ion: 75 Resp: 37566
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.1 54.4#
 77 0.0 24.8 37.2#

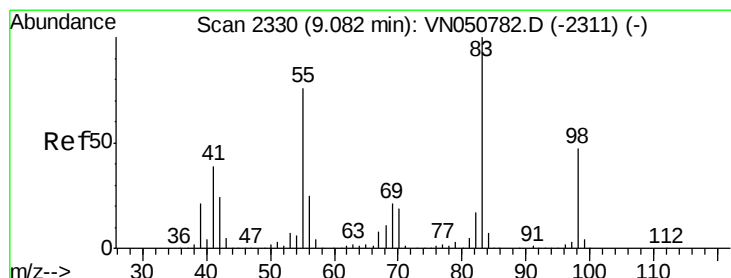
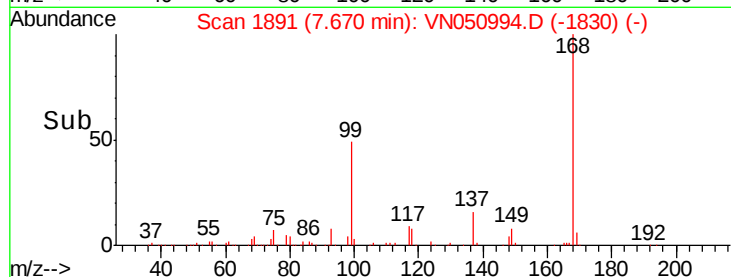
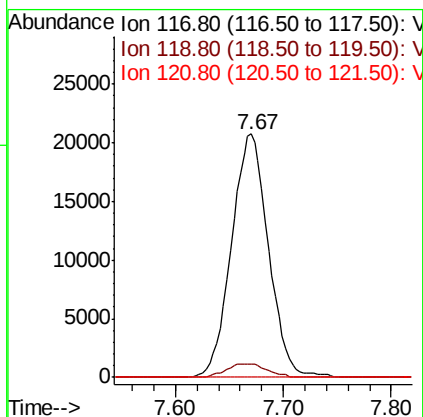
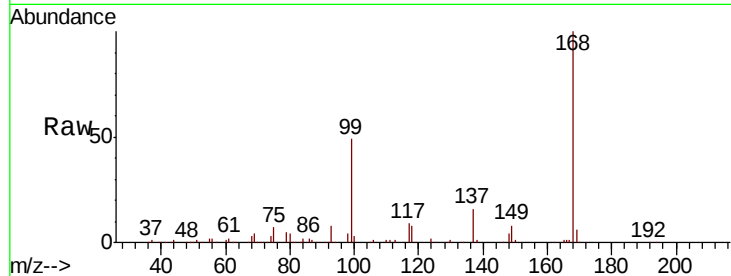




#38
Carbon Tetrachloride
Concen: 4.67 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

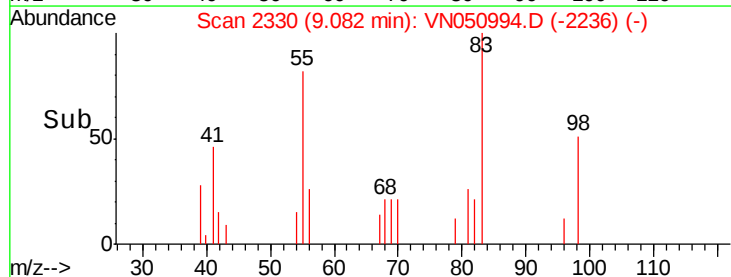
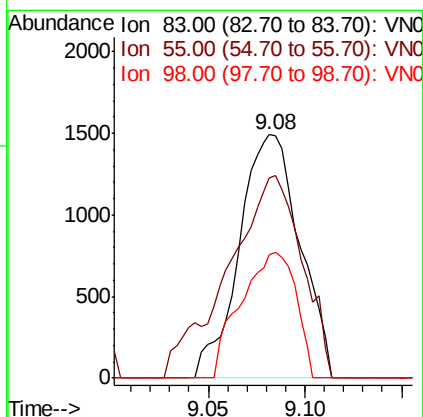
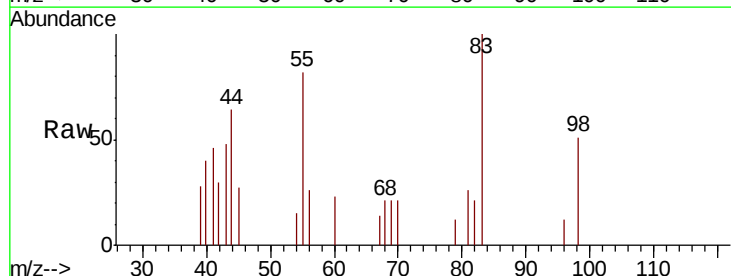
Instrument :
MSVOA_N
ClientSampled :
KG-SLUDGE-1

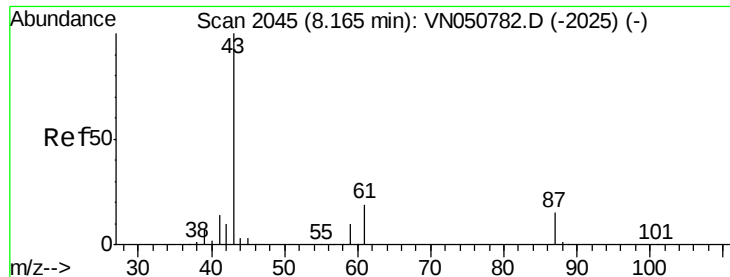
Tot Ion:117 Resp: 49350
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 24.6 36.8#



#39
Methylcyclohexane
Concen: 0.29 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

Tgt Ion: 83 Resp: 3246
Ion Ratio Lower Upper
83 100
55 82.2 61.0 91.4
98 50.7 37.5 56.3





#43

Isopropyl Acetate

Concen: 19.13 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

KG-SLUDGE-1

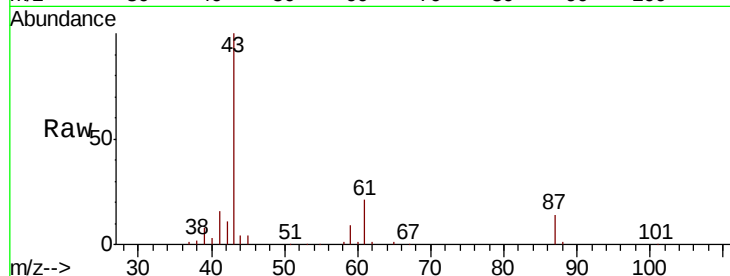
Tot Ion: 43 Resp: 197615

Ion Ratio Lower Upper

43 100

61 19.7 17.5 26.3

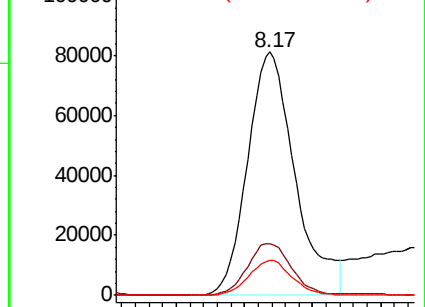
87 12.9 11.3 16.9



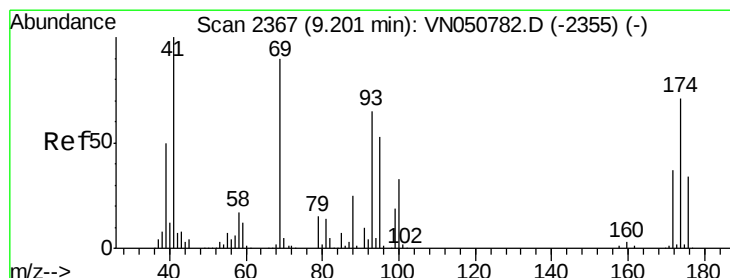
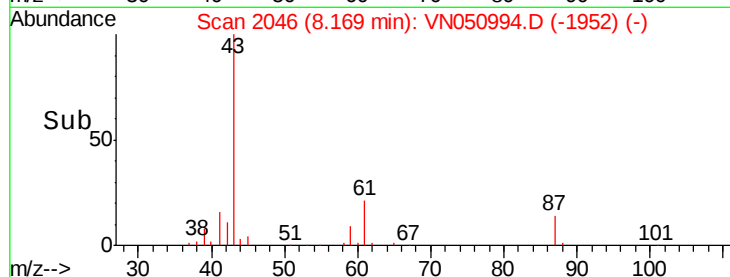
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->



#48

Methyl methacrylate

Concen: 1.23 ug/l

RT: 9.19 min Scan# 2363

Delta R.T. -0.01 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

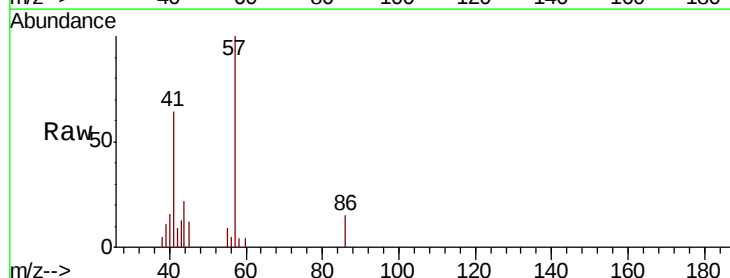
Tgt Ion: 41 Resp: 6471

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

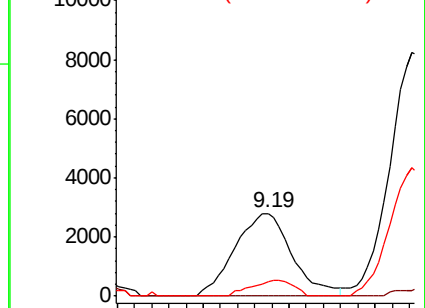
39 13.9 42.2 63.2#



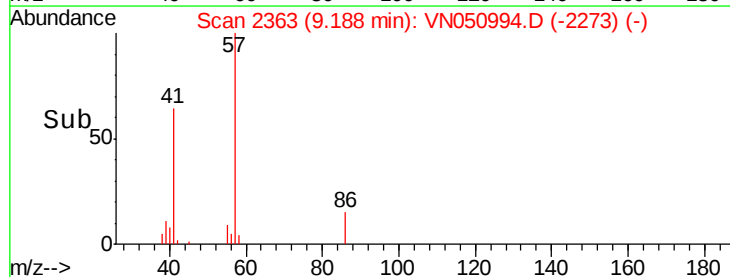
Abundance Ion 41.00 (40.70 to 41.70): VN0

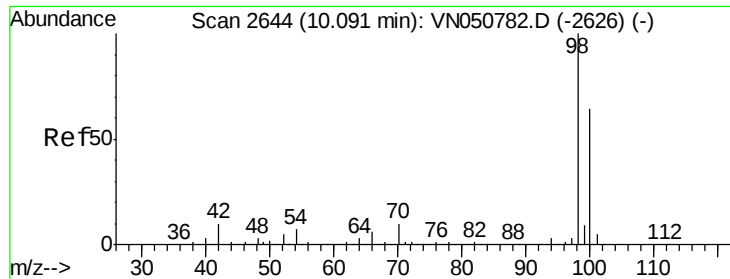
Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

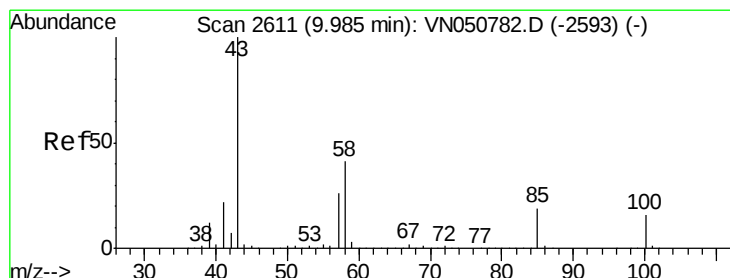
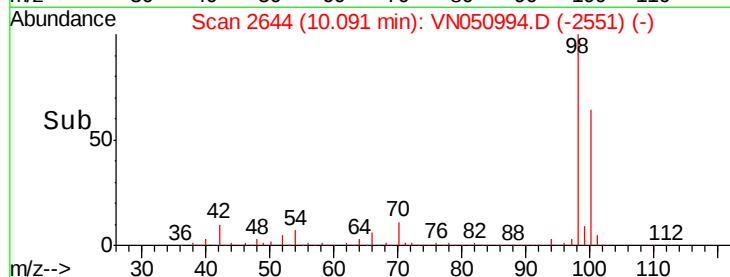
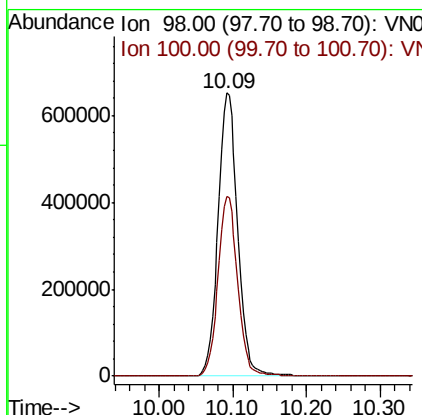
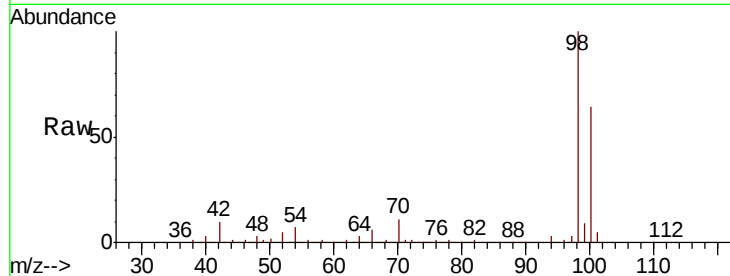




#50
Toluene-d8
Concen: 45.61 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

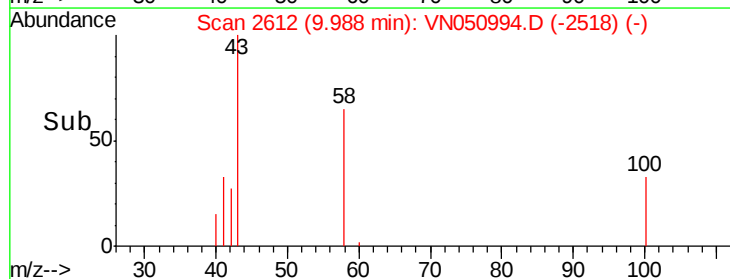
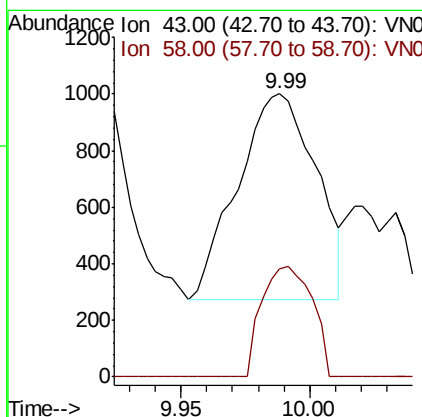
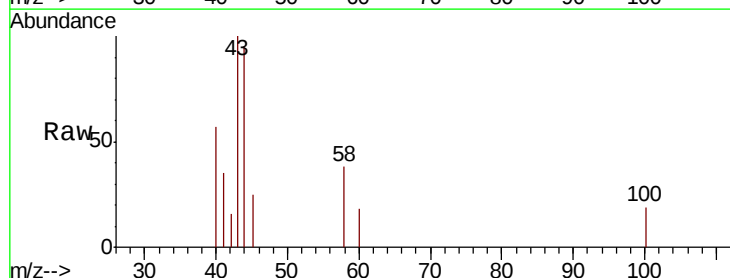
Instrument :
MSVOA_N
ClientSampleId :
KG-SLUDGE-1

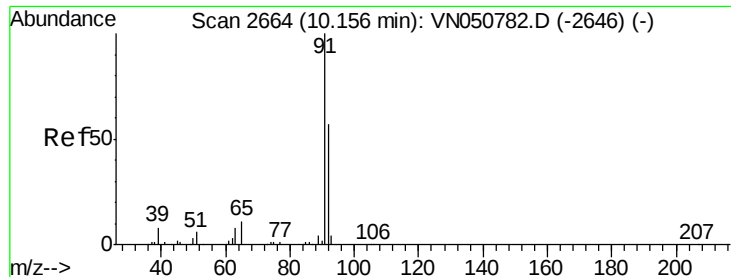
Tot Ion: 98 Resp: 1202197
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 34.4 32.4 48.6





#52

Toluene

Concen: 0.34 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

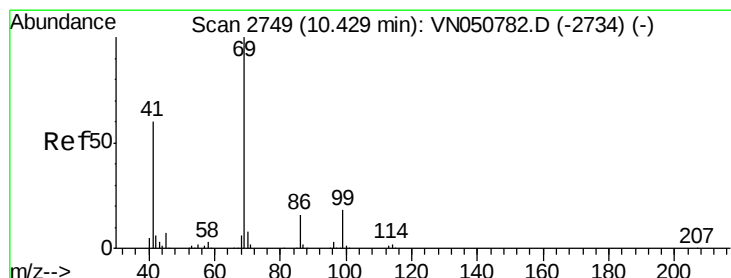
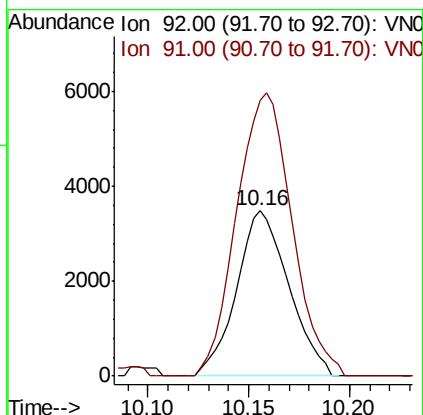
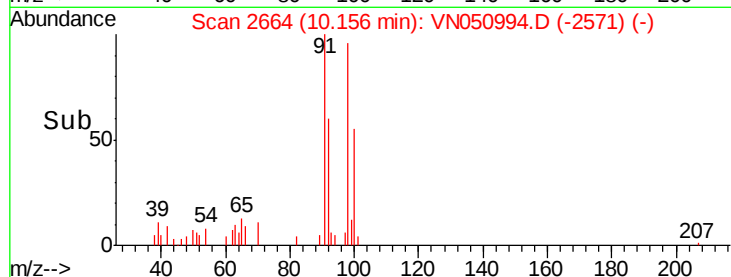
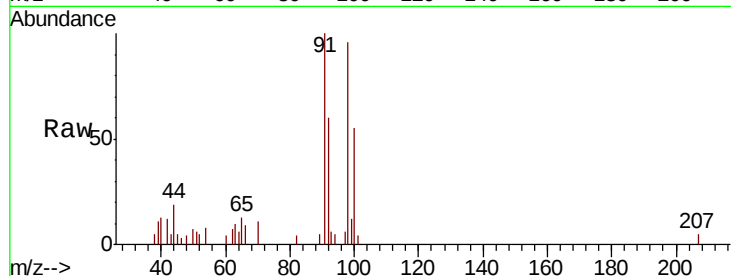
KG-SLUDGE-1

Tot Ion: 92 Resp: 6296

Ion Ratio Lower Upper

92 100

91 182.1 140.6 211.0



#56

Ethyl methacrylate

Concen: 2.37 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

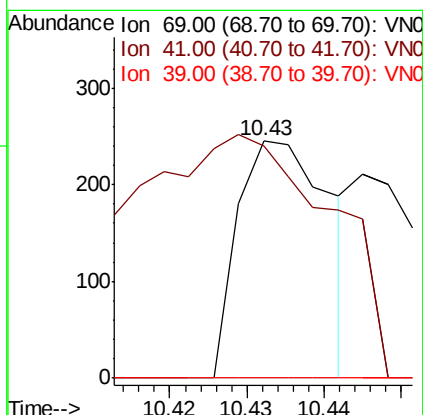
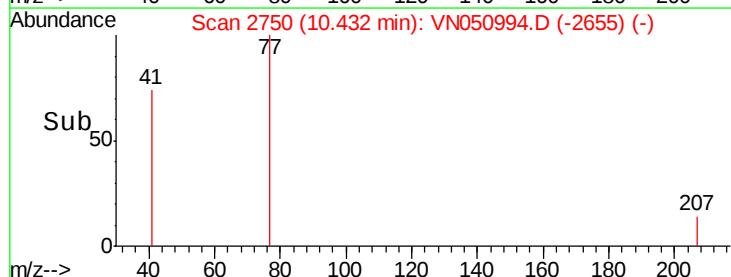
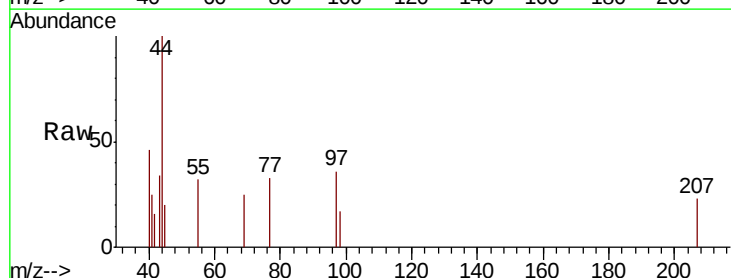
Tgt Ion: 69 Resp: 204

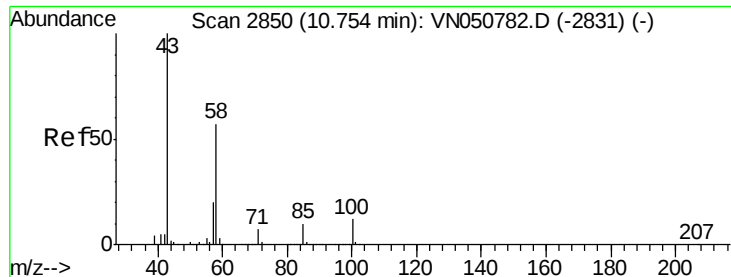
Ion Ratio Lower Upper

69 100

41 261.8 48.3 72.5#

39 0.0 24.0 36.0#





#59

2-Hexanone

Concen: 3.04 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

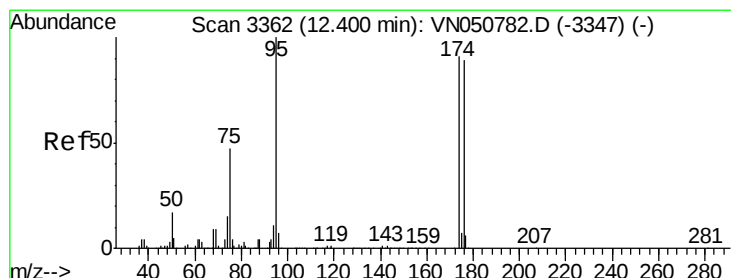
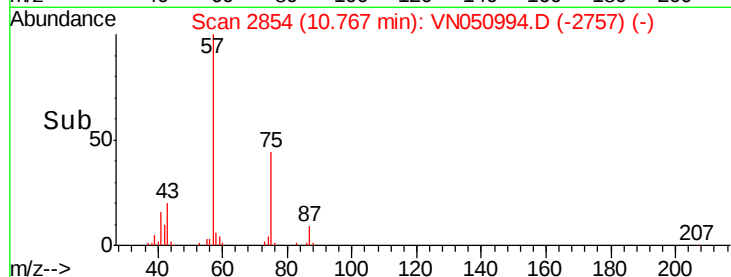
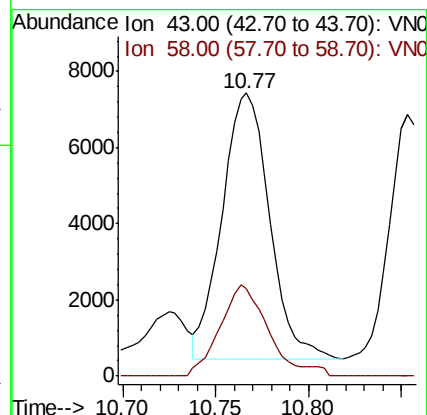
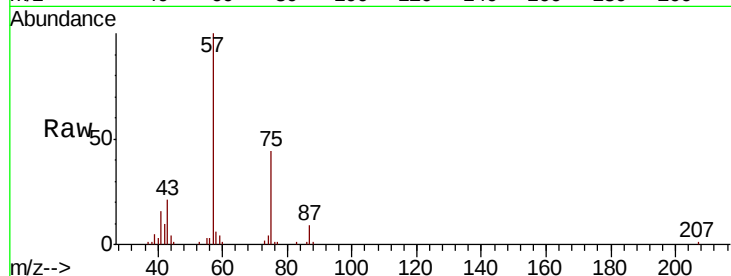
KG-SLUDGE-1

Tot Ion: 43 Resp: 12468

Ion Ratio Lower Upper

43 100

58 34.8 28.3 85.0



#62

4-Bromofluorobenzene

Concen: 35.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

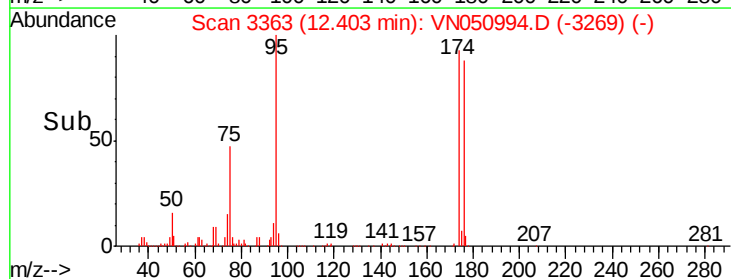
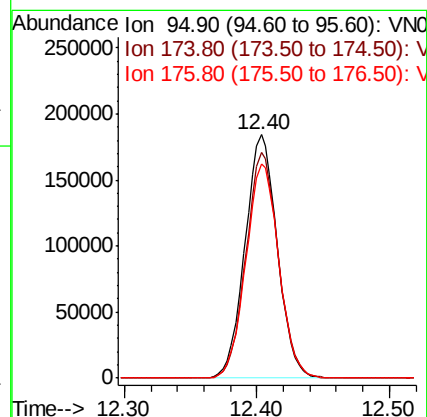
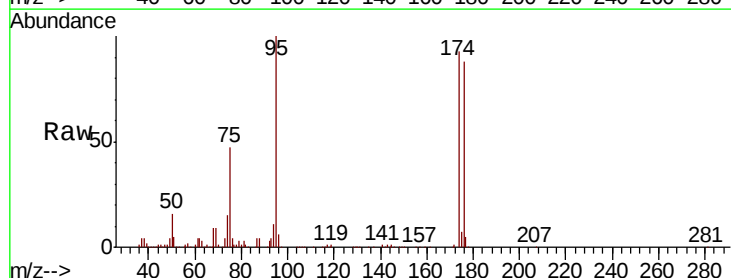
Tgt Ion: 95 Resp: 310576

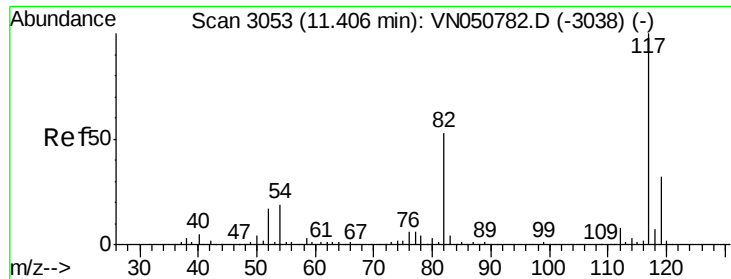
Ion Ratio Lower Upper

95 100

174 93.2 0.0 183.0

176 90.0 0.0 178.8

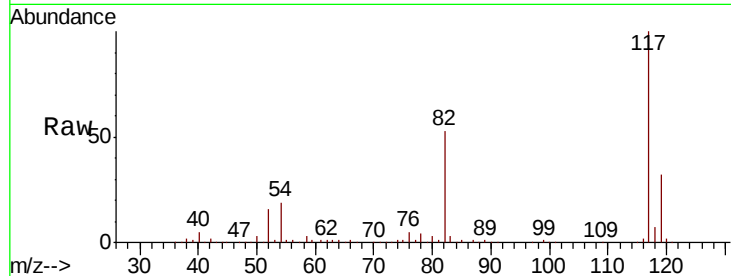




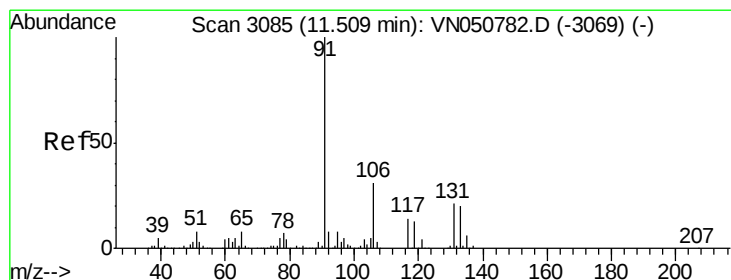
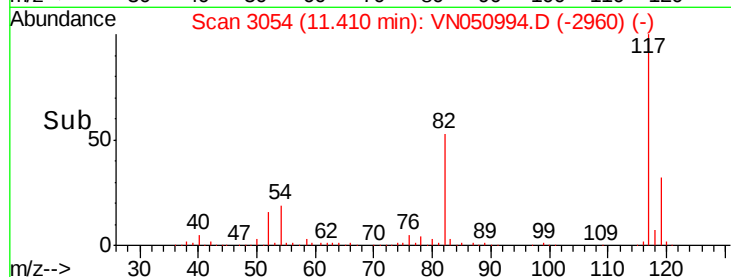
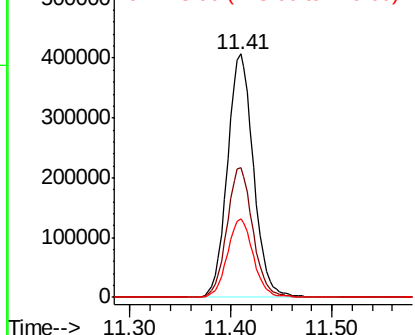
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

Instrument :
MSVOA_N
ClientSampled :
KG-SLUDGE-1

Tot Ion:117 Resp: 733499
Ion Ratio Lower Upper
117 100
82 53.0 42.6 64.0
119 32.1 25.8 38.6

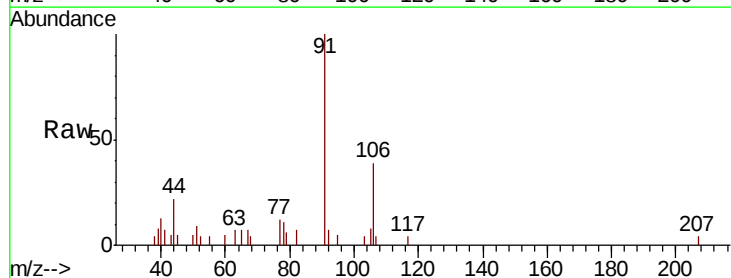


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

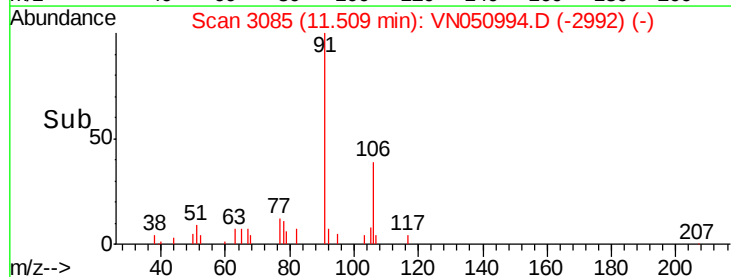
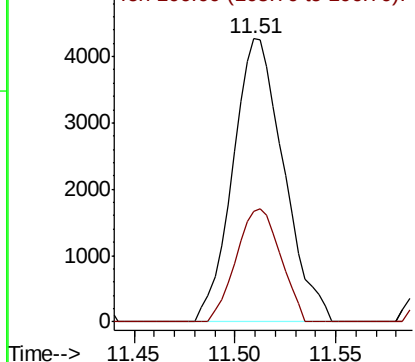


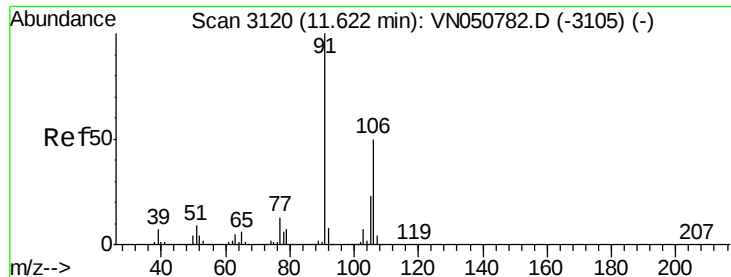
#67
Ethyl Benzene
Concen: 0.24 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050994.D
Acq: 31 Aug 2018 17:42

Tgt Ion: 91 Resp: 7531
Ion Ratio Lower Upper
91 100
106 39.0 25.0 37.4#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.65 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. -0.01 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

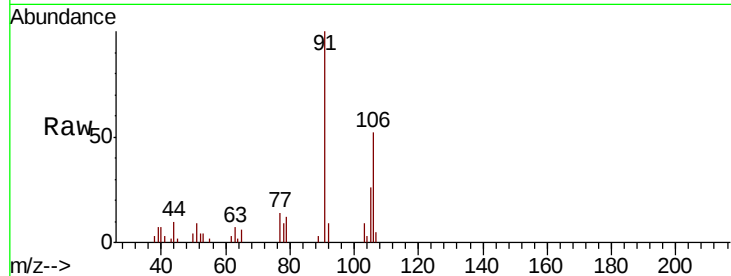
KG-SLUDGE-1

Tot Ion:106 Resp: 7641

Ion Ratio Lower Upper

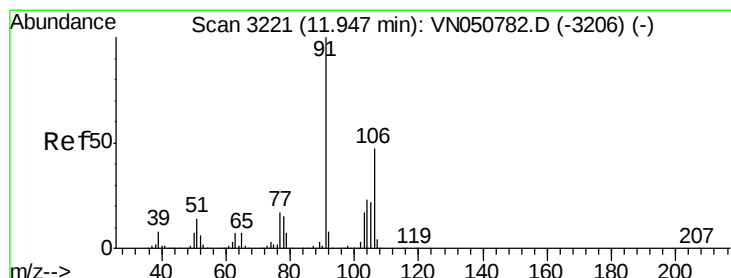
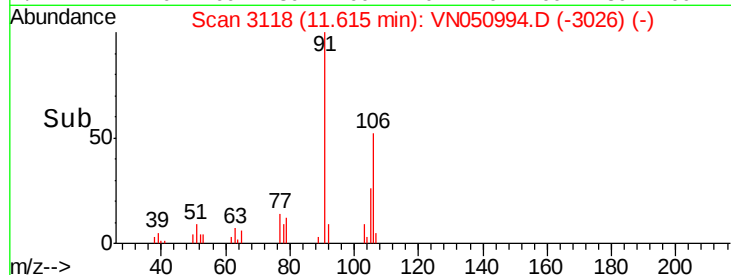
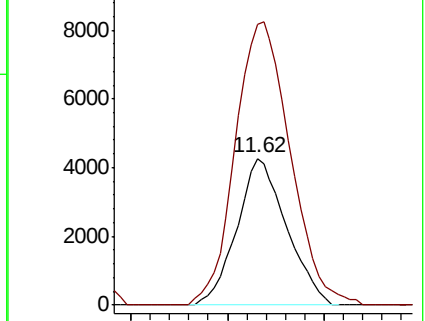
106 100

91 213.2 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.47 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050994.D

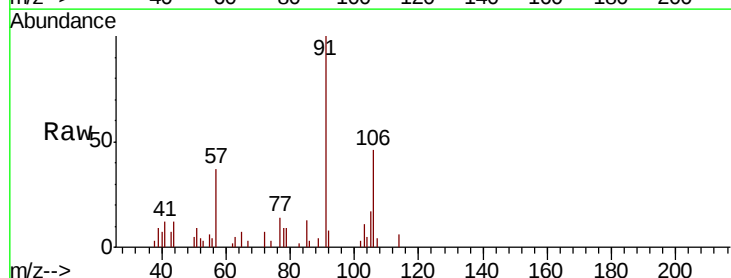
Acq: 31 Aug 2018 17:42

Tgt Ion:106 Resp: 5327

Ion Ratio Lower Upper

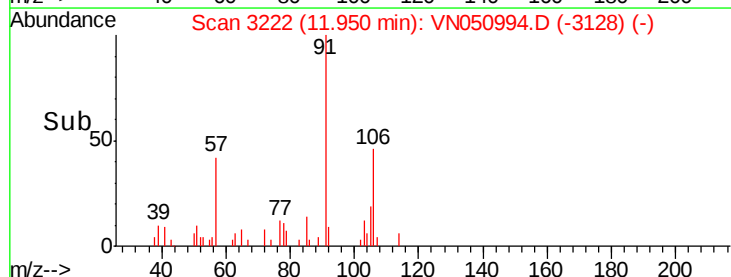
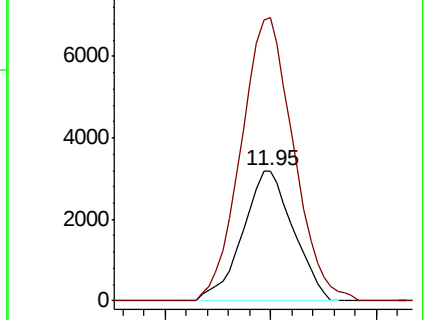
106 100

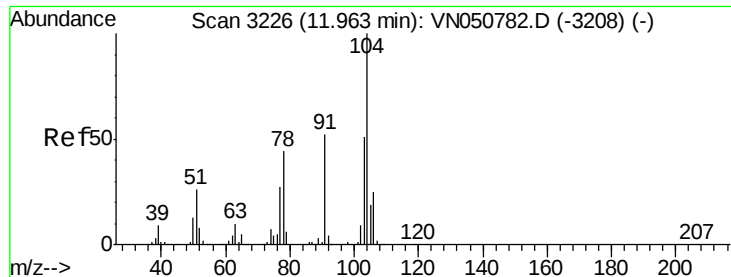
91 226.6 106.5 319.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 1.30 ug/l

RT: 11.96 min Scan# 3224

Delta R.T. -0.01 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

KG-SLUDGE-1

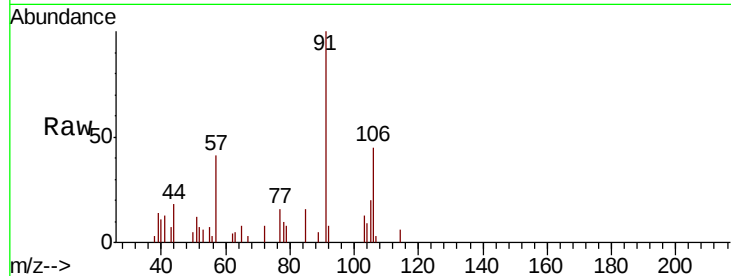
Tot Ion:104 Resp: 693

Ion Ratio Lower Upper

104 100

78 162.8 38.2 57.4#

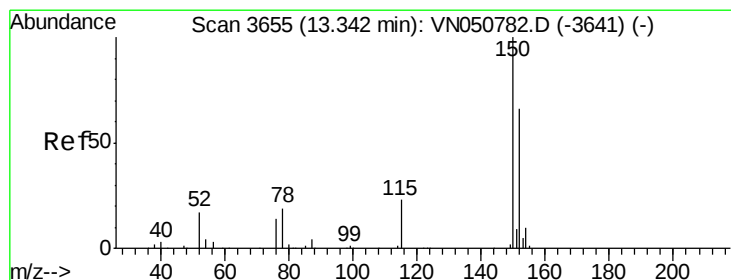
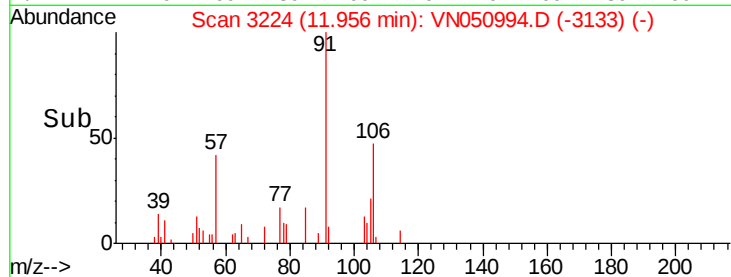
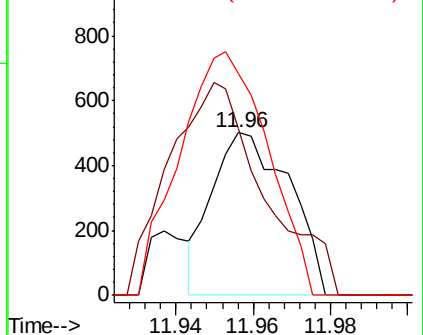
103 171.6 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

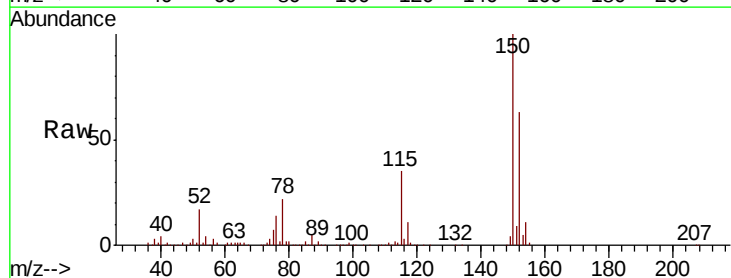
Tgt Ion:152 Resp: 253842

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

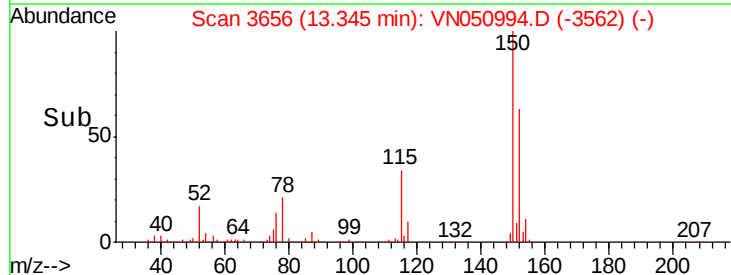
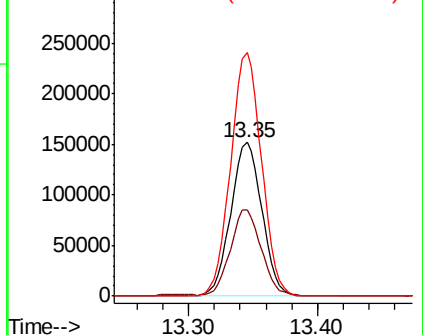
150 157.3 0.0 351.4

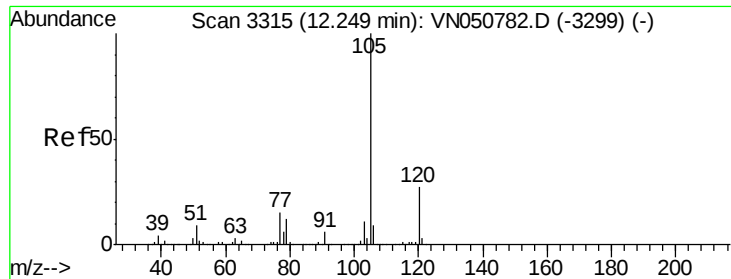


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.50 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

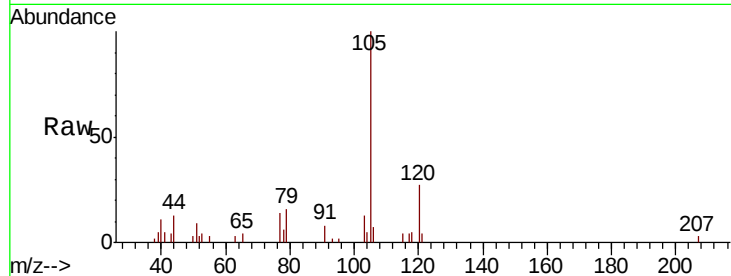
KG-SLUDGE-1

Tot Ion:105 Resp: 10552

Ion Ratio Lower Upper

105 100

120 28.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

4000

2000

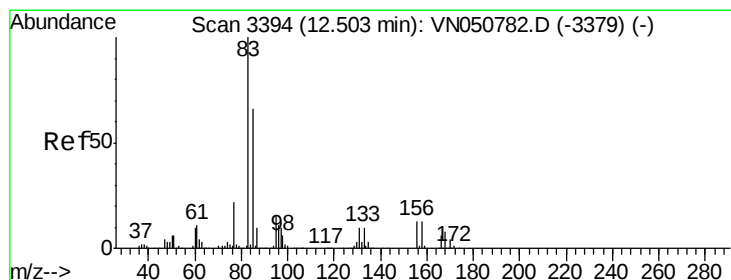
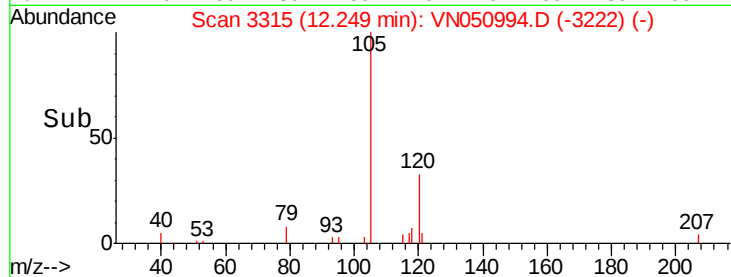
0

12.20

12.25

12.30

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

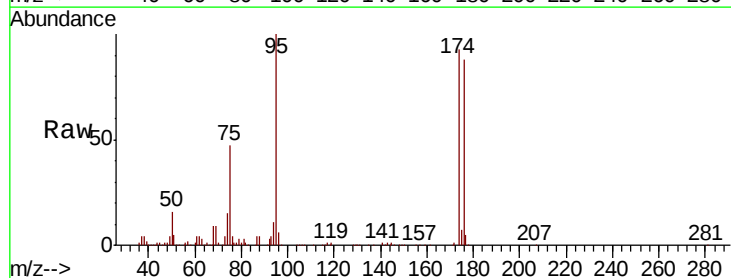
Tgt Ion: 83 Resp: 200

Ion Ratio Lower Upper

83 100

131 179.5 5.3 15.9#

85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

300

200

100

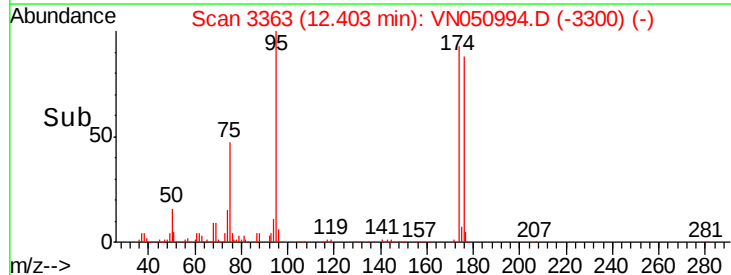
0

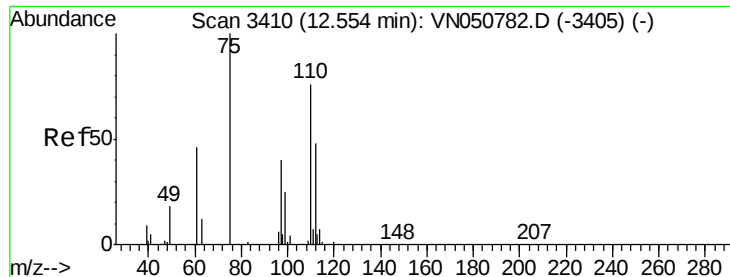
12.38

12.40

12.42

Time-->





#76

1,2,3-Trichloropropane

Concen: 32.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

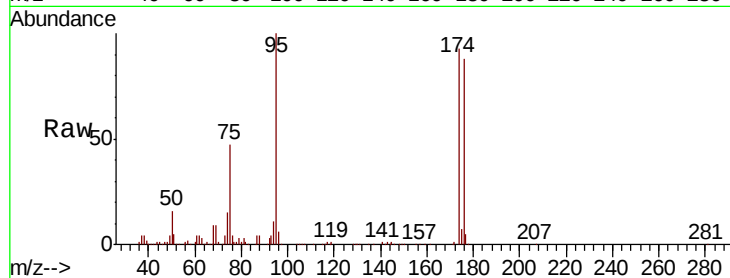
KG-SLUDGE-1

Tot Ion: 75 Resp: 145584

Ion Ratio Lower Upper

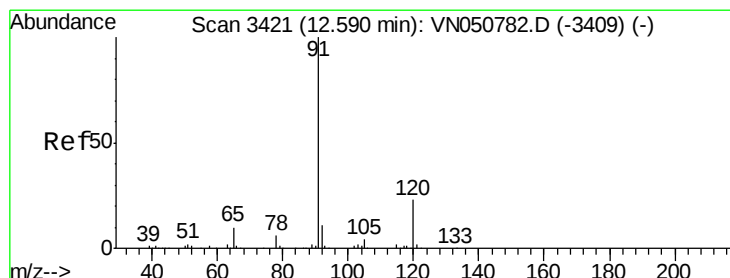
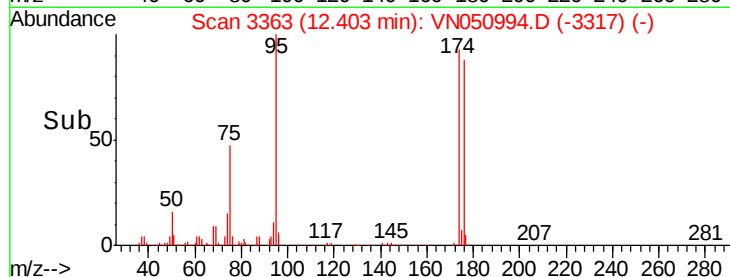
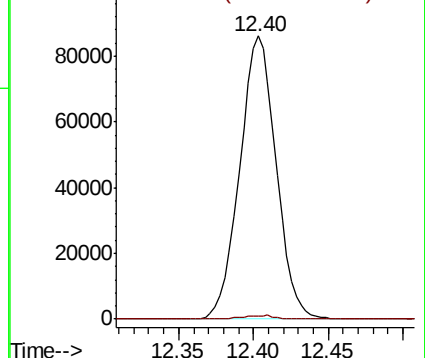
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.95 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050994.D

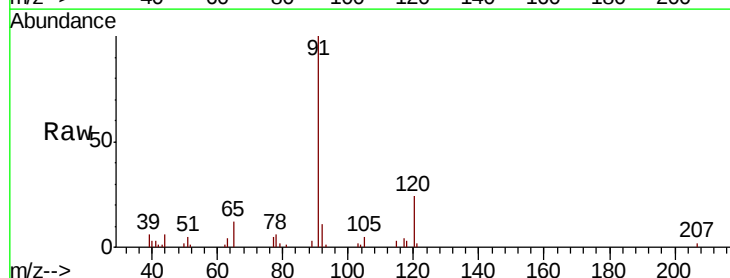
Acq: 31 Aug 2018 17:42

Tgt Ion: 91 Resp: 22206

Ion Ratio Lower Upper

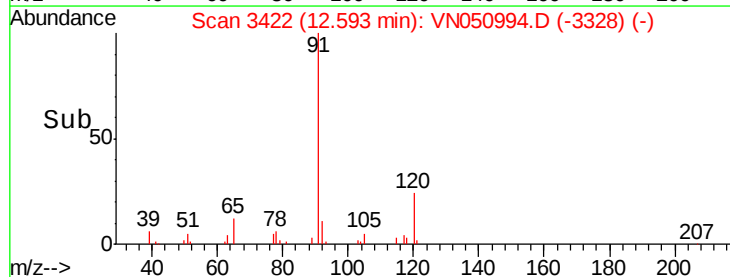
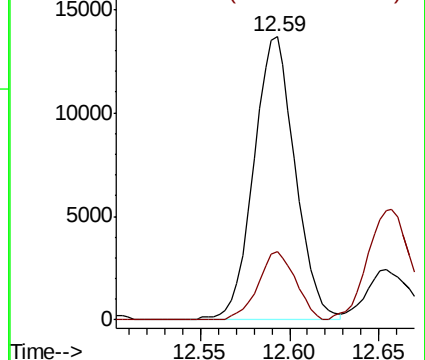
91 100

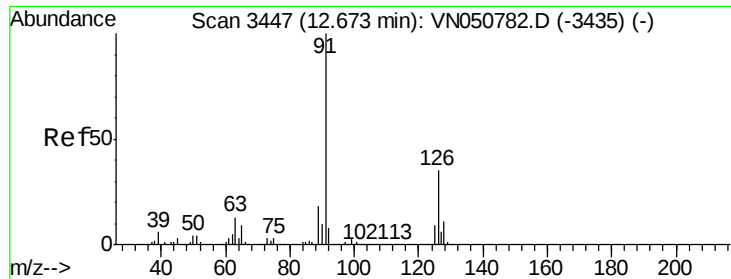
120 21.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.32 ug/l

RT: 12.65 min Scan# 3441

Delta R.T. -0.02 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

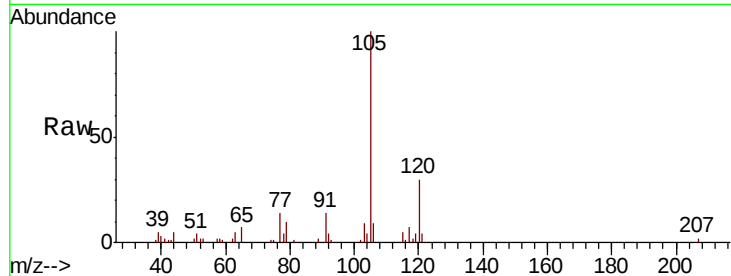
KG-SLUDGE-1

Tot Ion: 91 Resp: 4633

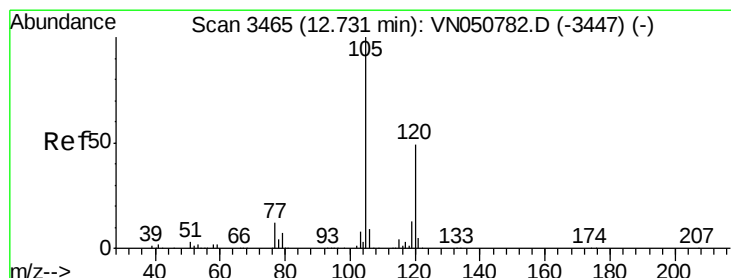
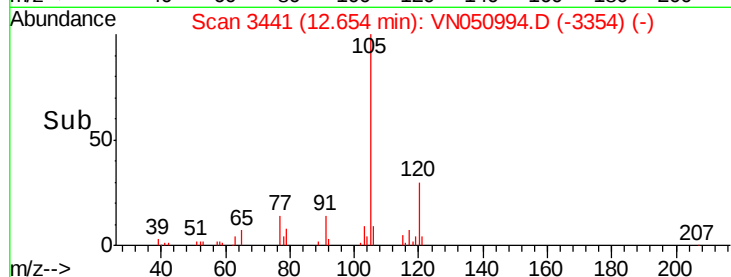
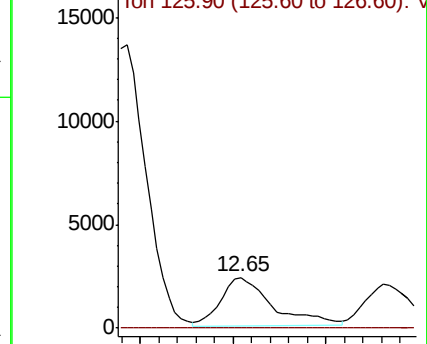
Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.90 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050994.D

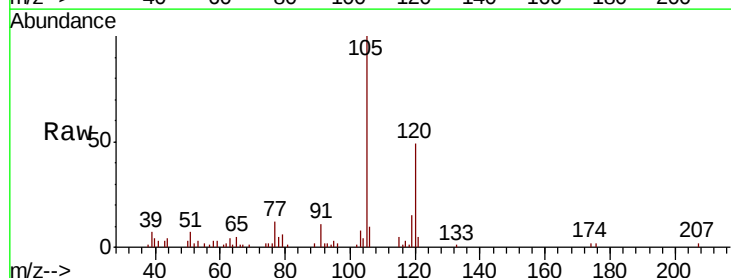
Acq: 31 Aug 2018 17:42

Tgt Ion: 105 Resp: 32211

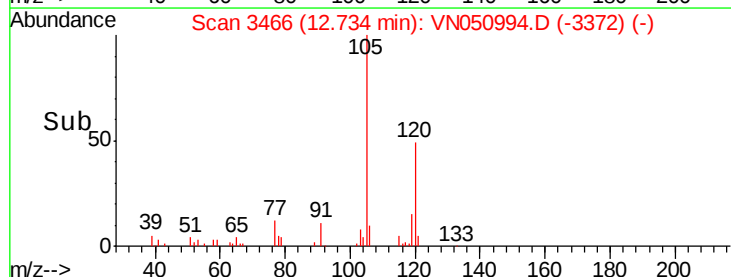
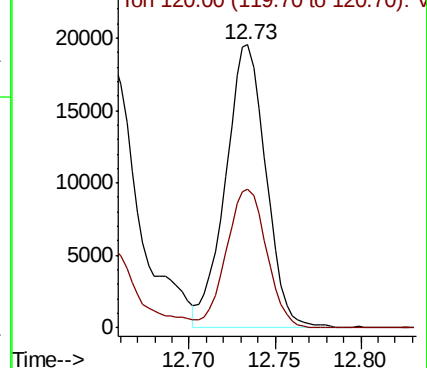
Ion Ratio Lower Upper

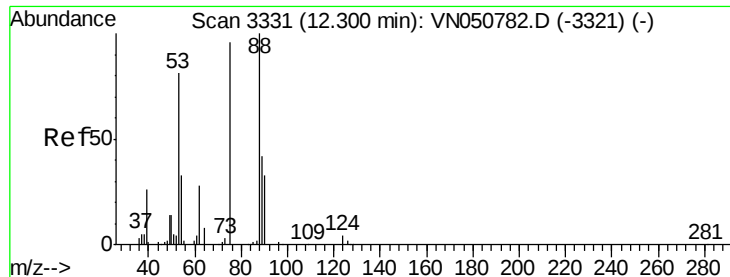
105 100

120 48.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 110.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

KG-SLUDGE-1

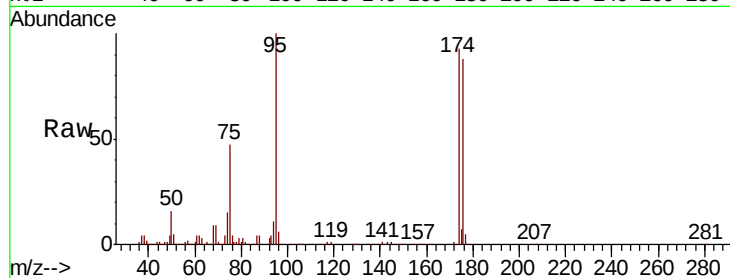
Tot Ion: 75 Resp: 145584

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

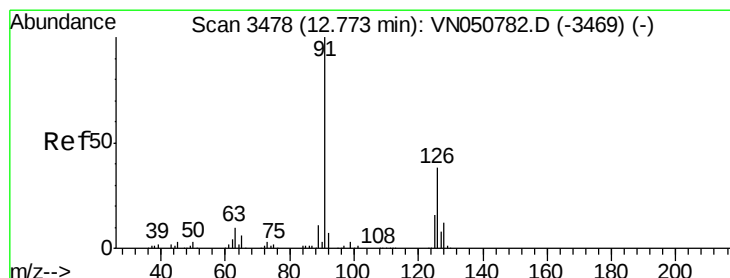
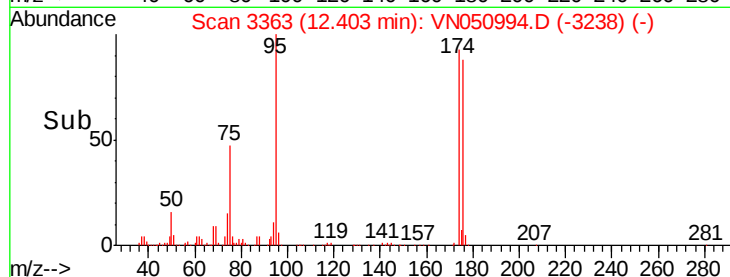
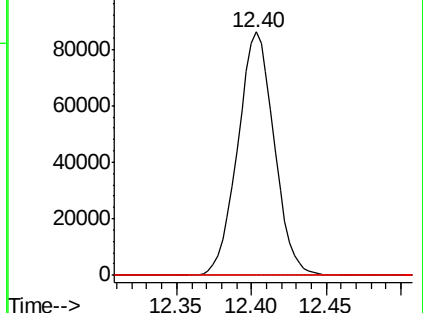
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.22 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.04 min

Lab File: VN050994.D

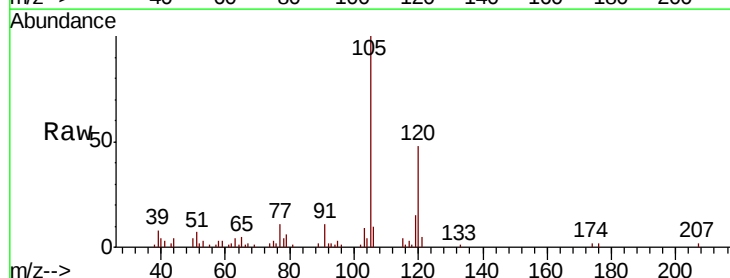
Acq: 31 Aug 2018 17:42

Tgt Ion: 91 Resp: 3196

Ion Ratio Lower Upper

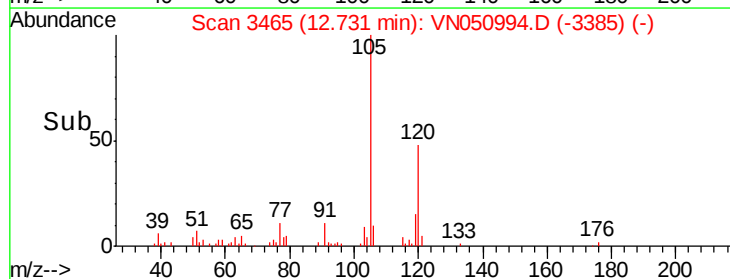
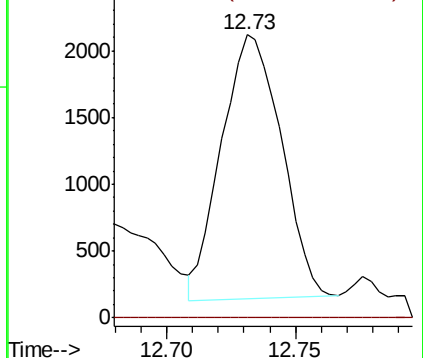
91 100

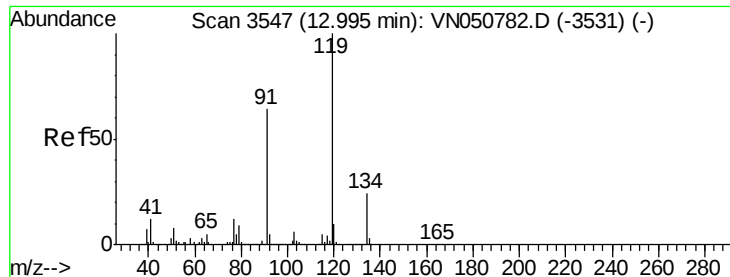
126 0.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

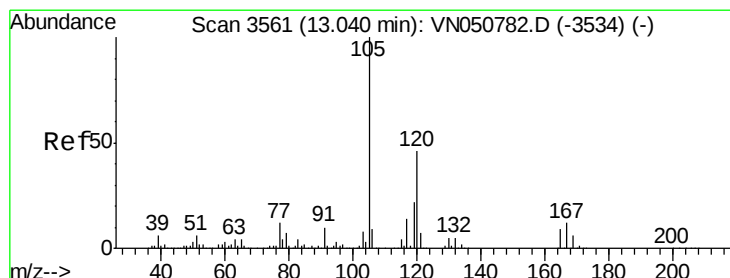
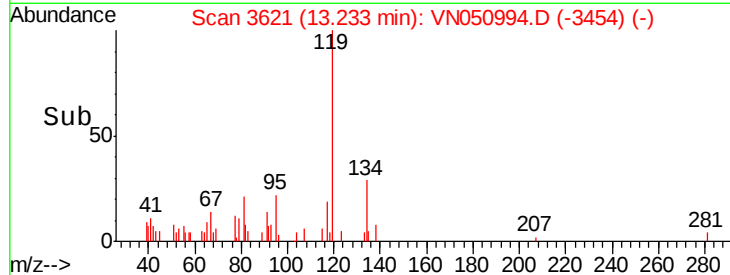
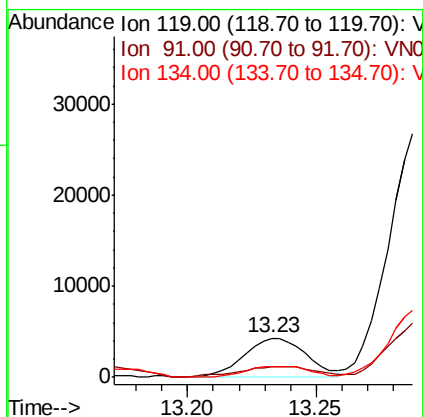
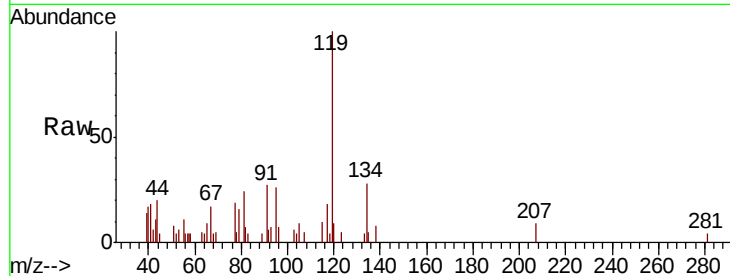




#83
 tert-Butylbenzene
 Concen: 0.49 ug/l
 RT: 13.23 min Scan# 3621
 Delta R.T. 0.24 min
 Lab File: VN050994.D
 Acq: 31 Aug 2018 17:42

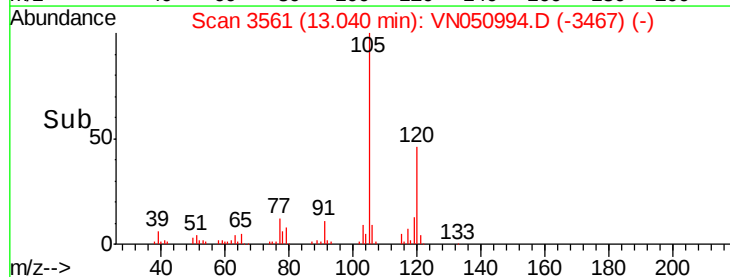
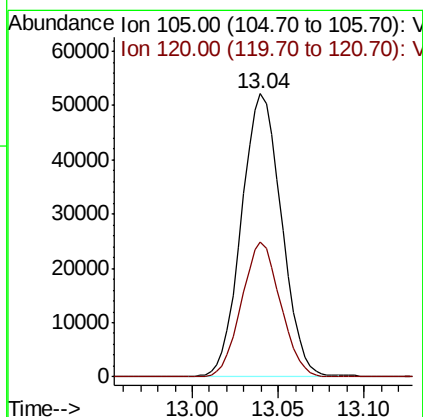
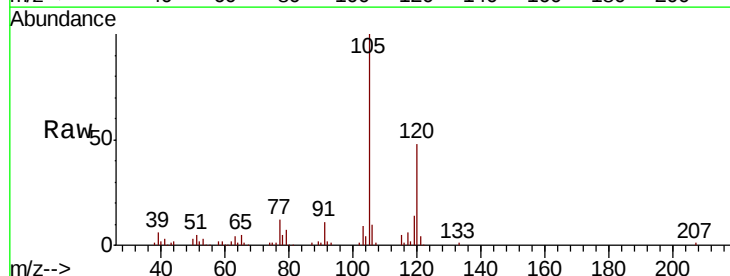
Instrument :
 MSVOA_N
 ClientSampleId :
 KG-SLUDGE-1

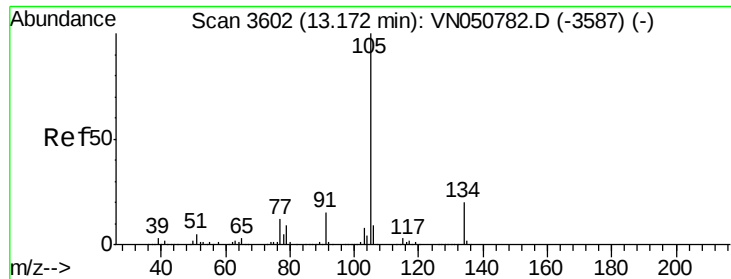
Tot Ion:119 Resp: 7263
 Ion Ratio Lower Upper
 119 100
 91 34.8 31.6 94.7
 134 29.4 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.95 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050994.D
 Acq: 31 Aug 2018 17:42

Tgt Ion:105 Resp: 84509
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 0.43 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

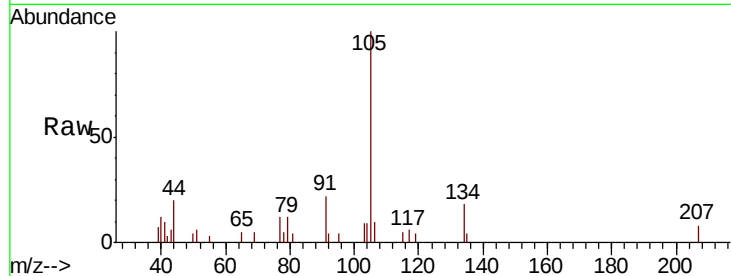
KG-SLUDGE-1

Tot Ion:105 Resp: 8359

Ion Ratio Lower Upper

105 100

134 27.8 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

5000

4000

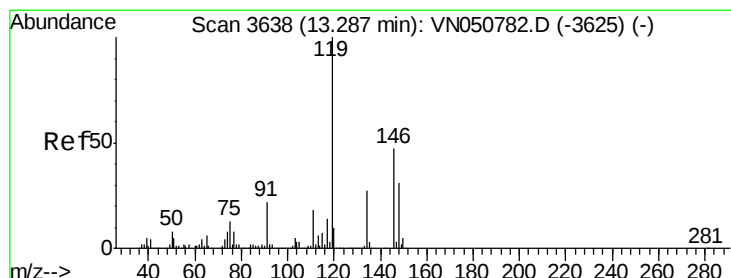
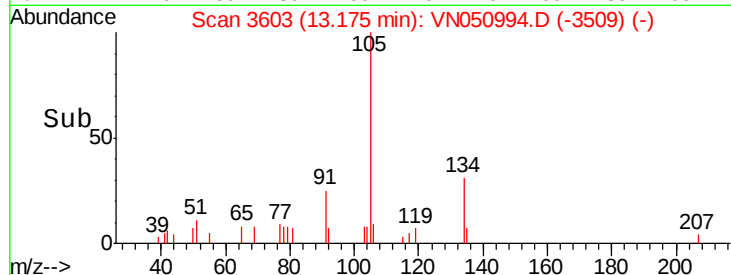
3000

2000

1000

0

Time-->



#86

p-Isopropyltoluene

Concen: 2.59 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

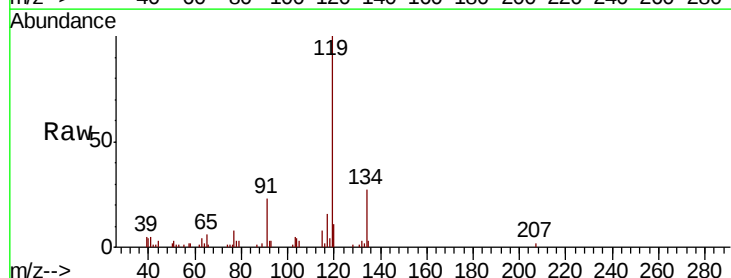
Tgt Ion:119 Resp: 42472

Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.0

91 22.3 11.2 33.5



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

13.29

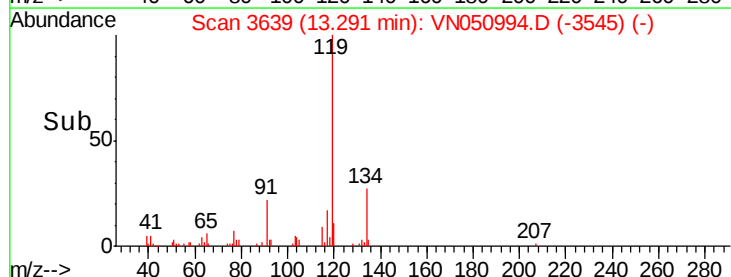
30000

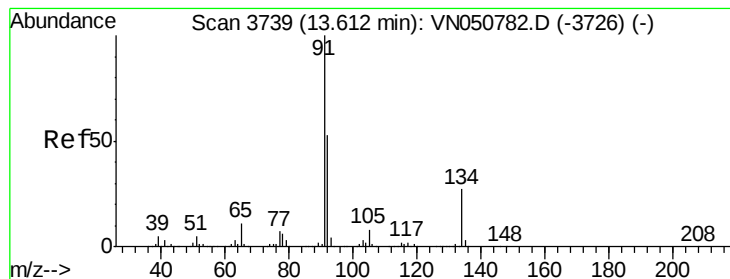
20000

10000

0

Time-->





#89

n-Butylbenzene

Concen: 0.37 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

KG-SLUDGE-1

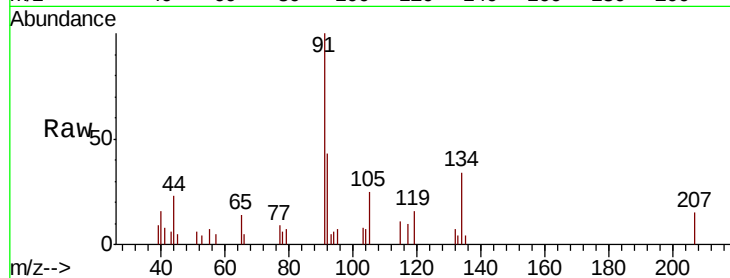
Tot Ion: 91 Resp: 4795

Ion Ratio Lower Upper

91 100

92 64.6 26.1 78.2

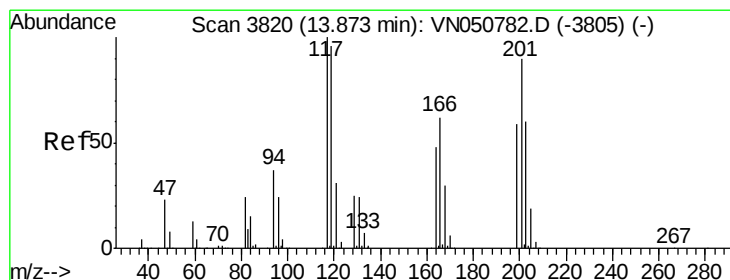
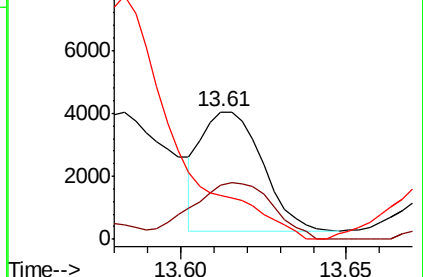
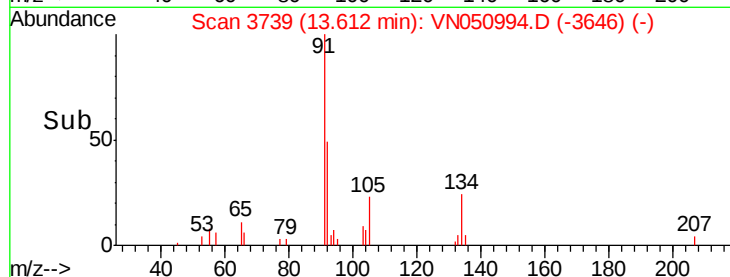
134 0.0 13.2 39.6#



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)



#90

Hexachloroethane

Concen: 2.72 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.02 min

Lab File: VN050994.D

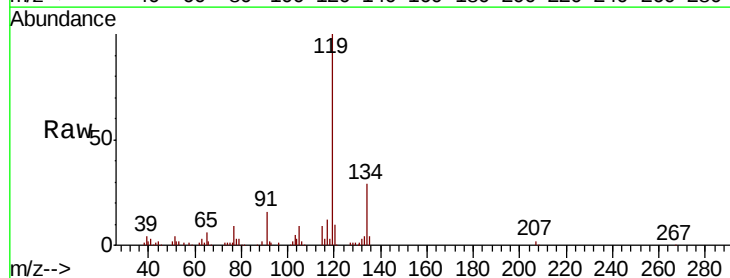
Acq: 31 Aug 2018 17:42

Tgt Ion: 117 Resp: 7967

Ion Ratio Lower Upper

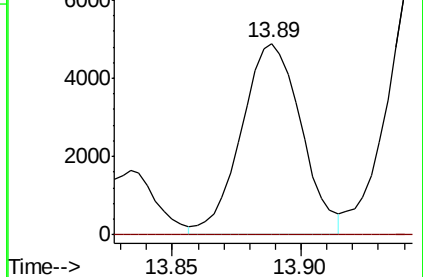
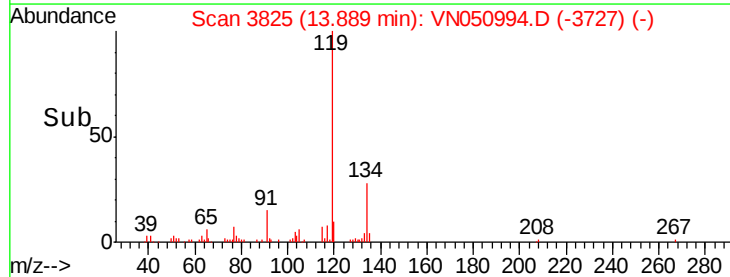
117 100

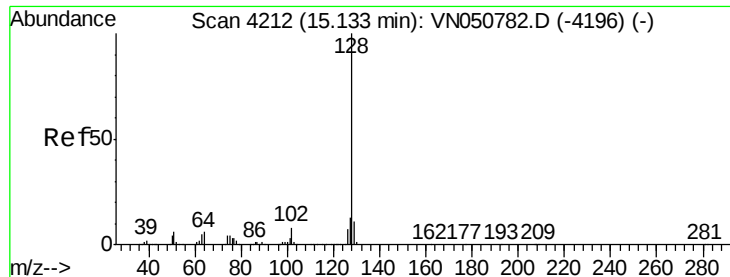
201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)





#95

Naphthalene

Concen: 7.50 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

KG-SLUDGE-1

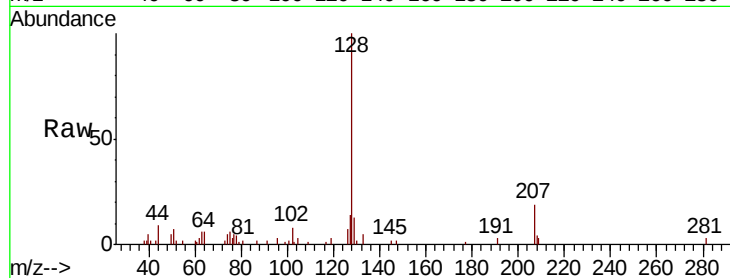
Tot Ion:128 Resp: 23845

Ion Ratio Lower Upper

128 100

127 12.3 10.5 15.7

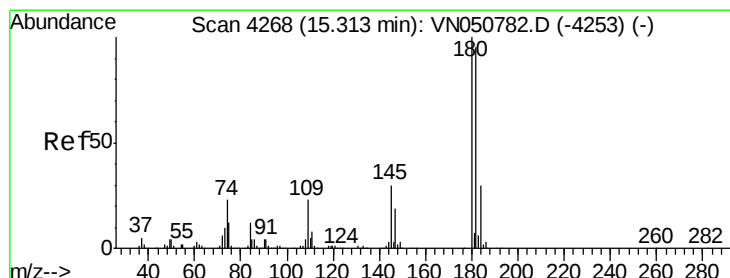
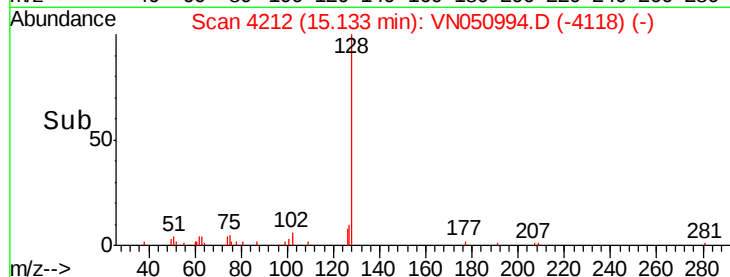
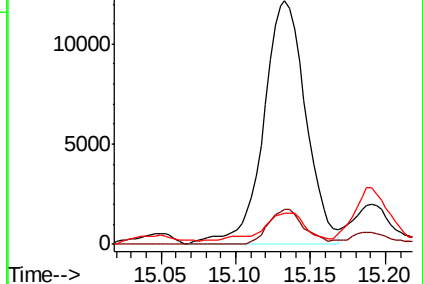
129 9.2 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 3.30 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050994.D

Acq: 31 Aug 2018 17:42

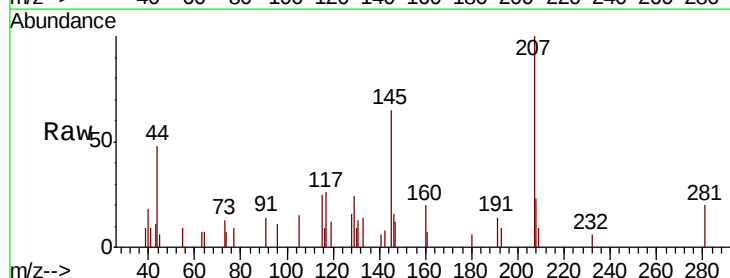
Tgt Ion:180 Resp: 29

Ion Ratio Lower Upper

180 100

182 0.0 48.0 144.2#

145 0.0 15.2 45.6#



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

