

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050995.D
 Acq On : 31 Aug 2018 18:07
 Operator : MD\SY
 Sample : J4726-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KG-SLUDGE-2

Quant Time: Aug 31 23:04:00 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	598608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	946110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	379609	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	7.59	113	364770	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	10.09	98	1301802	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
62) 4-Bromofluorobenzene	12.40	95	364088	38.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.86%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2295	0.23	ug/l	95
5) Bromomethane	2.56	94	1925	Below	Cal	93
10) Methyl Iodide	3.97	142	397	6.39	ug/l #	43
11) Tert butyl alcohol	4.78	59	118	0.26	ug/l #	72
14) Allyl chloride	4.55	41	21886	2.09	ug/l #	26
16) Acetone	3.82	43	21651	5.79	ug/l	99
17) Carbon Disulfide	4.05	76	10201	0.45	ug/l	96
18) Methyl Acetate	4.33	43	13184	1.94	ug/l	96
20) Methylene Chloride	4.55	84	597135	73.52	ug/l	98
25) 2-Butanone	6.84	43	11306	3.89	ug/l	100
29) Tetrahydrofuran	7.23	42	1643	0.99	ug/l #	49
31) Cyclohexane	7.66	56	11529	1.40	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39936	3.58	ug/l #	45
37) Ethyl Acetate	6.84	43	11306	1.76	ug/l #	82
38) Carbon Tetrachloride	7.67	117	51986	4.61	ug/l #	17
43) Isopropyl Acetate	8.17	43	188155	17.06	ug/l	98
48) Methyl methacrylate	9.18	41	6329	1.13	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	1580	0.24	ug/l #	85
52) Toluene	10.16	92	9941	0.50	ug/l	98
56) Ethyl methacrylate	10.43	69	72	2.36	ug/l #	1
59) 2-Hexanone	10.77	43	13331	3.04	ug/l	63
67) Ethyl Benzene	11.51	91	8883	0.26	ug/l	99
68) m/p-Xylenes	11.62	106	10456	0.80	ug/l	98
69) o-Xylene	11.95	106	6318	0.50	ug/l	90
70) Styrene	11.96	104	2078	1.36	ug/l #	52
73) Isopropylbenzene	12.25	105	6527	0.25	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	29	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	169741	31.32	ug/l #	100
78) n-propylbenzene	12.59	91	12149	0.42	ug/l	99
79) 2-Chlorotoluene	12.66	91	4963	0.28	ug/l #	60
80) 1,3,5-Trimethylbenzene	12.73	105	21608	1.05	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	169741	105.89	ug/l #	15
83) tert-Butylbenzene	13.23	119	4316	0.24	ug/l	85
84) 1,2,4-Trimethylbenzene	13.04	105	53149	2.56	ug/l	98

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Response via : Initial Calibration

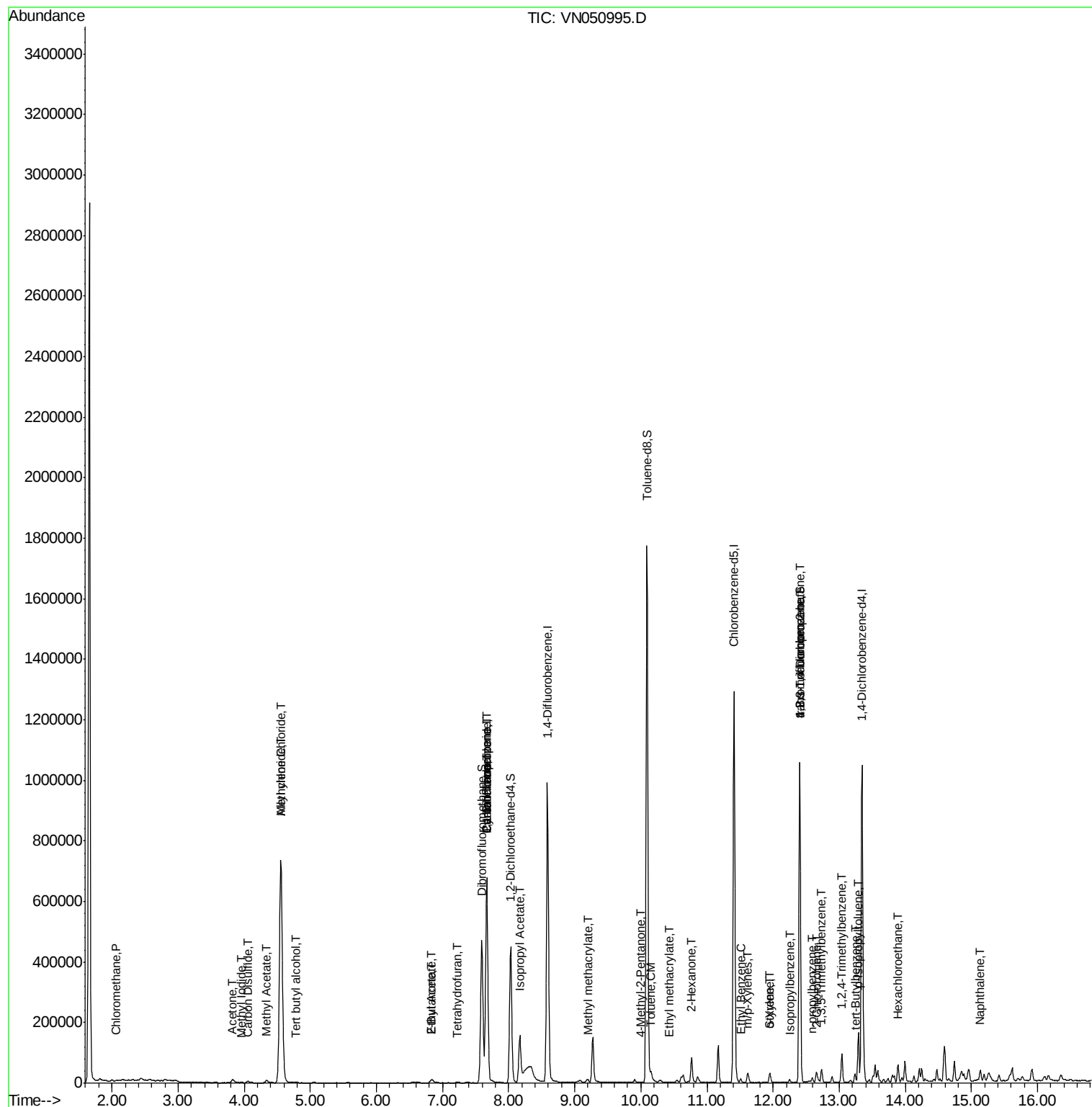
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.29	119	93968	4.70	ug/l	100
90) Hexachloroethane	13.89	117	3607	1.13	ug/l #	4
95) Naphthalene	15.13	128	31218	7.65	ug/l #	96

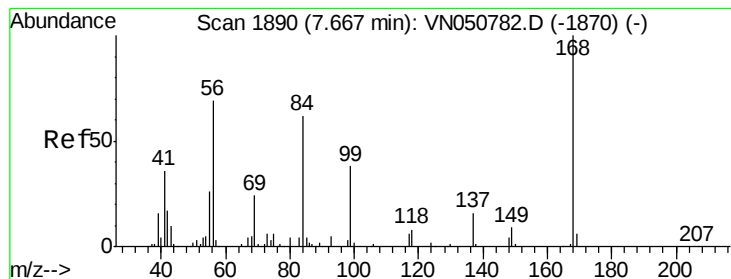
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

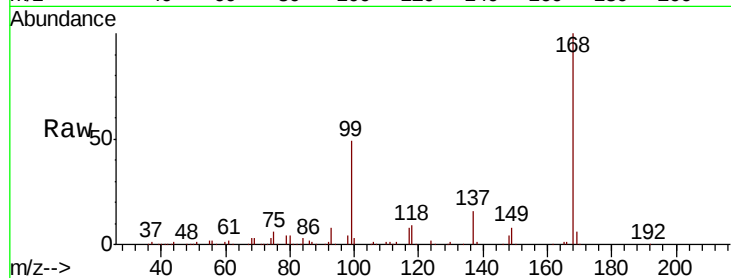
KG-SLUDGE-2

Tot Ion:168 Resp: 598608

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): VN

7.67

250000

200000

150000

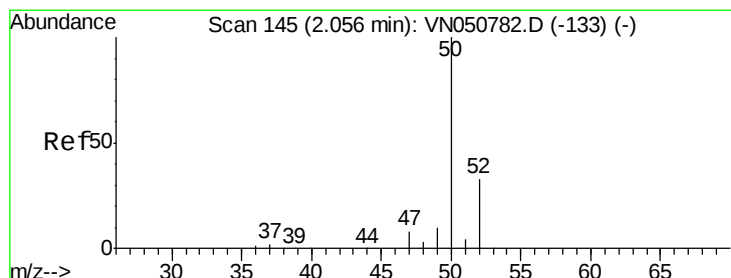
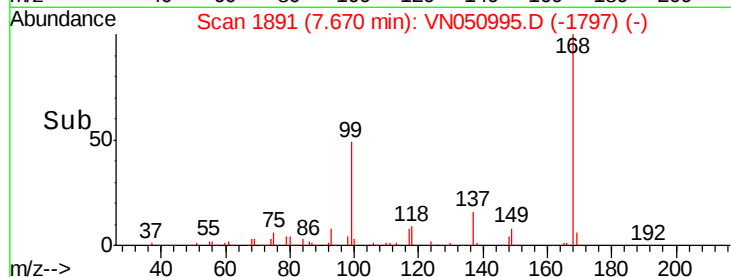
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050995.D

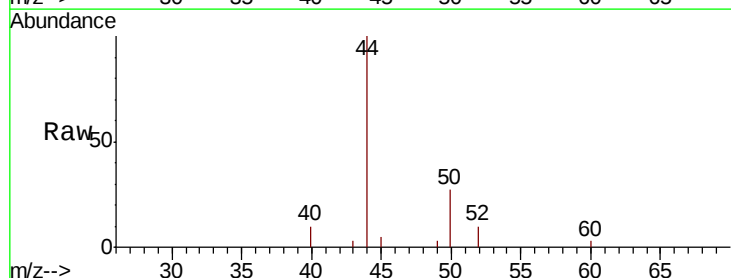
Acq: 31 Aug 2018 18:07

Tgt Ion: 50 Resp: 2295

Ion Ratio Lower Upper

50 100

52 35.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

1500

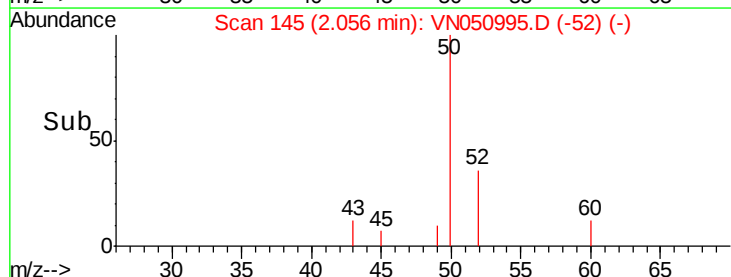
1000

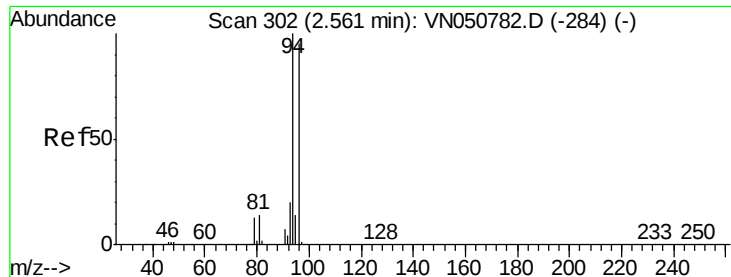
500

0

2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampled :

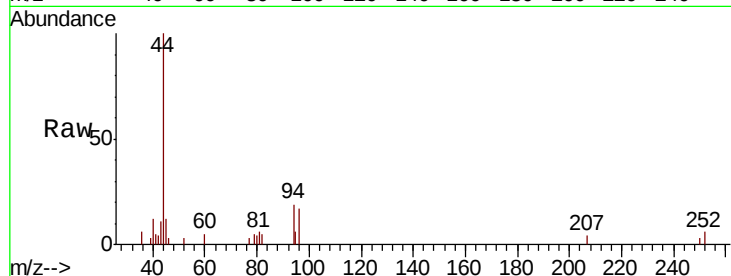
KG-SLUDGE-2

Tot Ion: 94 Resp: 1925

Ion Ratio Lower Upper

94 100

96 88.5 76.2 114.2

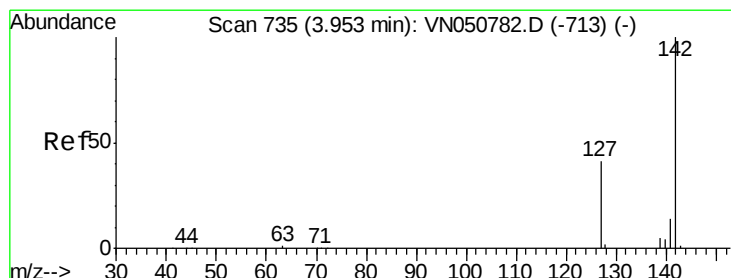
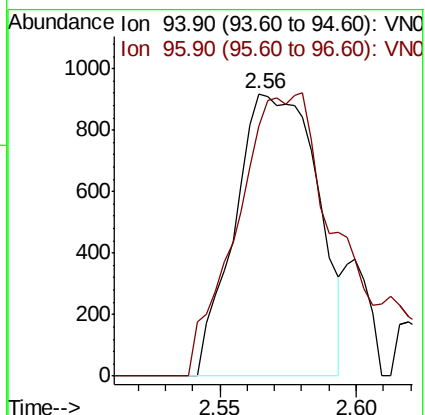
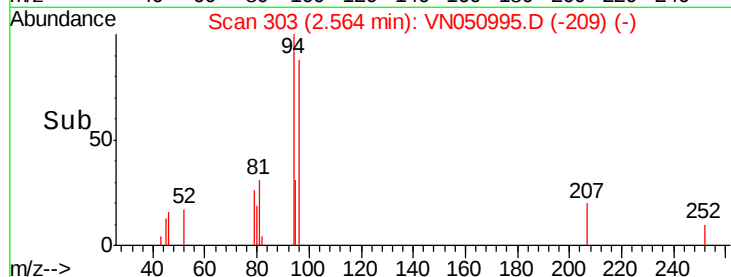


Abundance Ion 93.90 (93.60 to 94.60): VN050782.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050782.D (-284) (-)

2.56

2.60



#10

Methyl Iodide

Concen: 6.39 ug/l

RT: 3.97 min Scan# 740

Delta R.T. 0.02 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

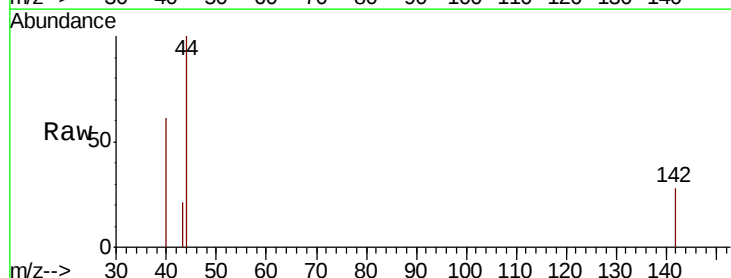
Tgt Ion: 142 Resp: 397

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

141 0.0 11.4 17.0#



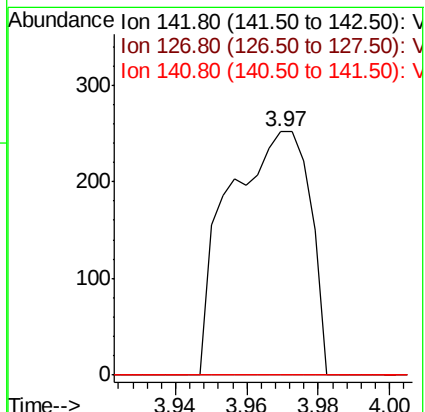
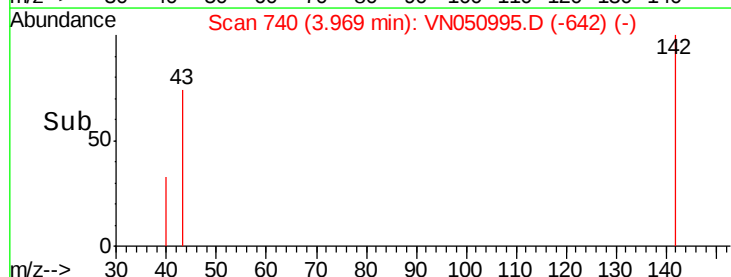
Abundance Ion 141.80 (141.50 to 142.50): VN050782.D (-713) (-)

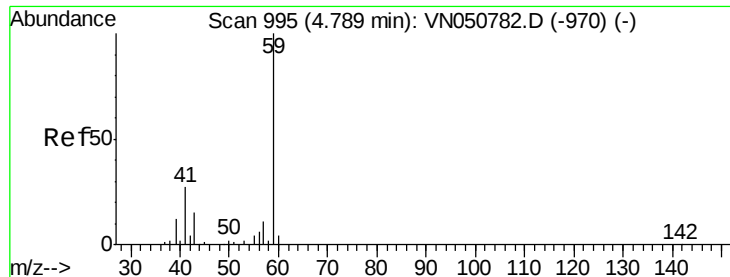
Ion 126.80 (126.50 to 127.50): VN050782.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050782.D (-713) (-)

3.97

4.00

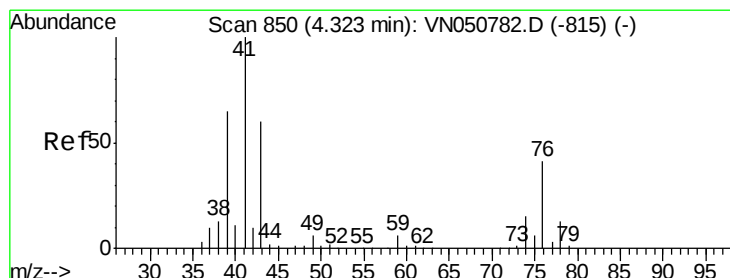
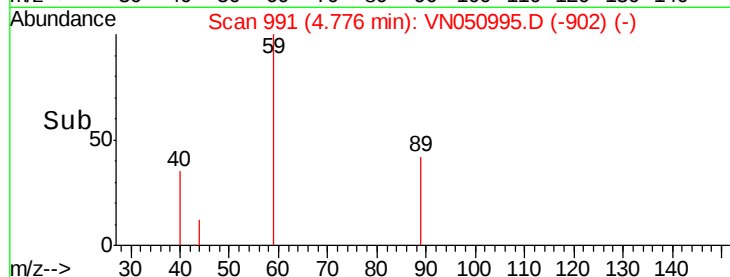
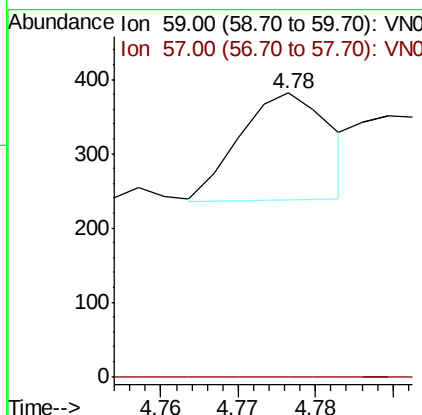
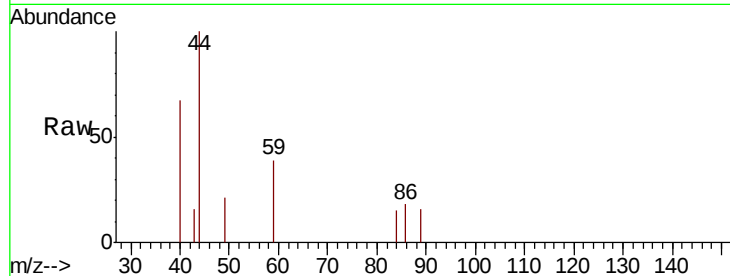




#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 4.78 min Scan# 991
Delta R.T. -0.01 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

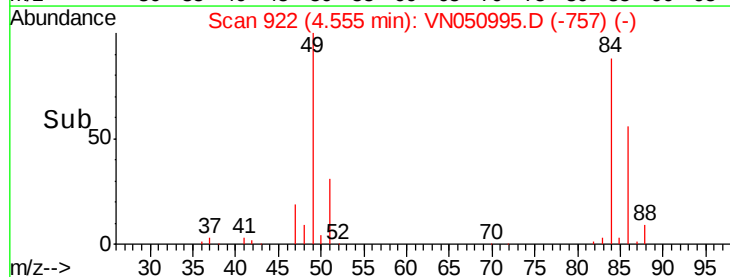
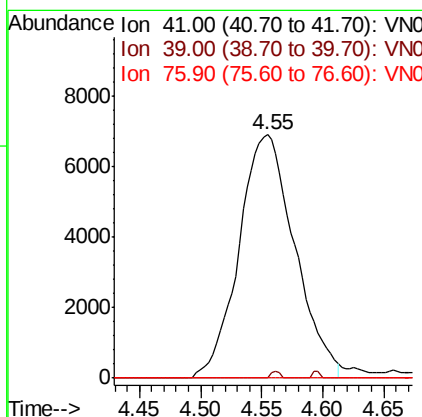
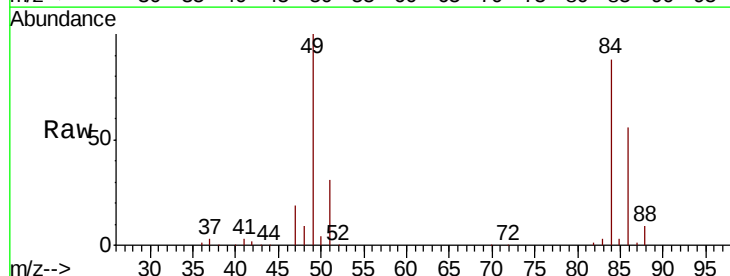
Instrument :
MSVOA_N
ClientSampleId :
KG-SLUDGE-2

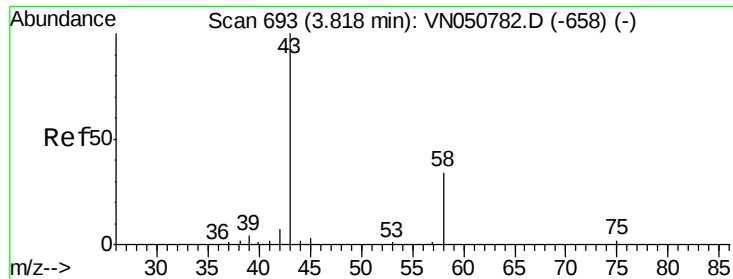
Tot Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 2.09 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.23 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

Tgt Ion: 41 Resp: 21886
Ion Ratio Lower Upper
41 100
39 0.5 50.2 75.2#
76 0.0 29.8 44.8#





#16

Acetone

Concen: 5.79 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampled :

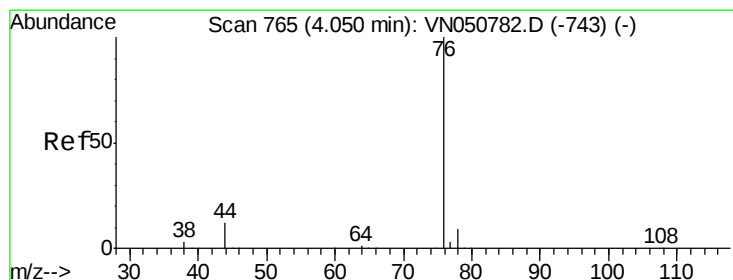
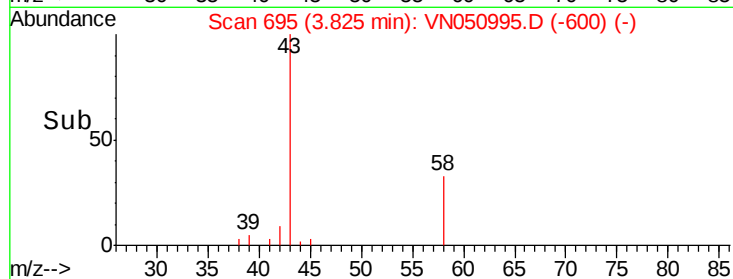
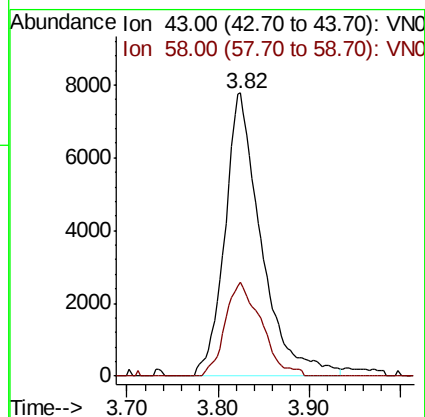
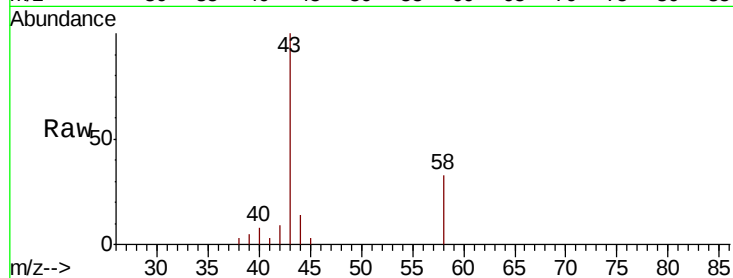
KG-SLUDGE-2

Tot Ion: 43 Resp: 21651

Ion Ratio Lower Upper

43 100

58 33.2 27.2 40.8



#17

Carbon Disulfide

Concen: 0.45 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050995.D

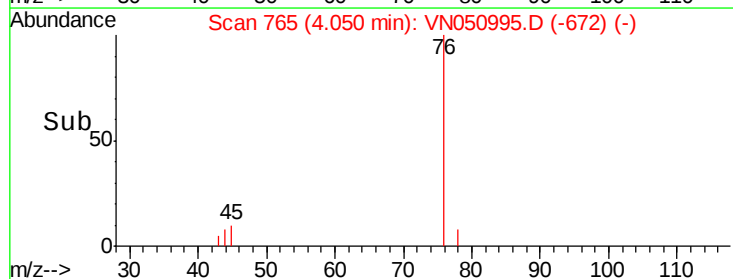
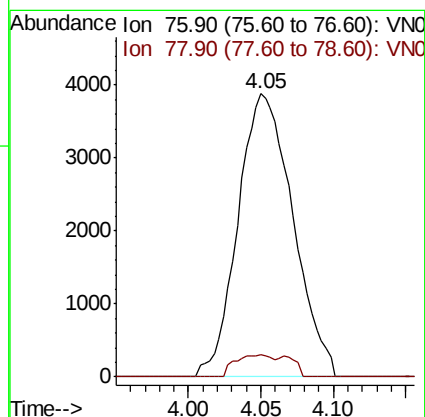
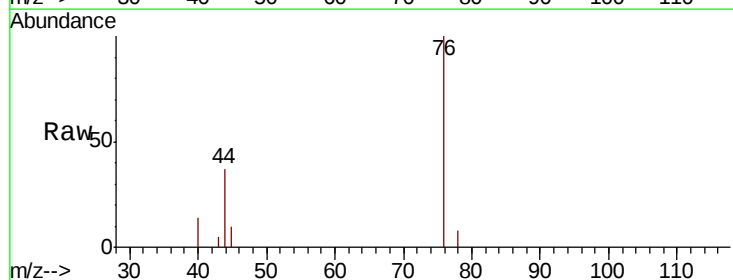
Acq: 31 Aug 2018 18:07

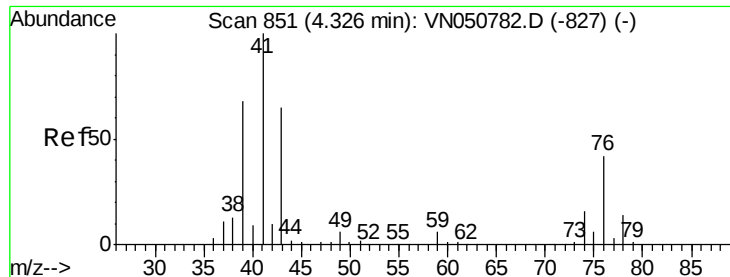
Tgt Ion: 76 Resp: 10201

Ion Ratio Lower Upper

76 100

78 7.7 7.3 10.9

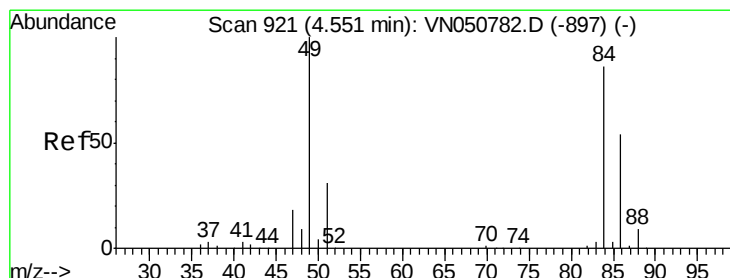
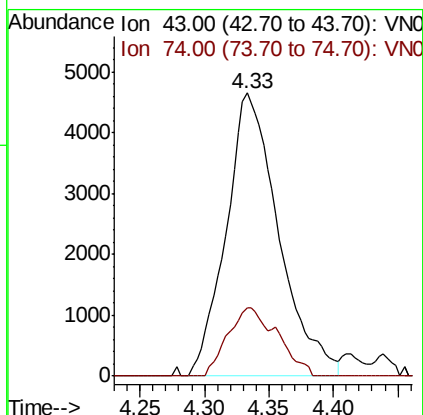
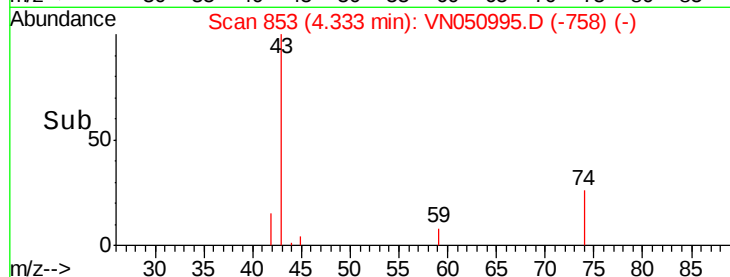
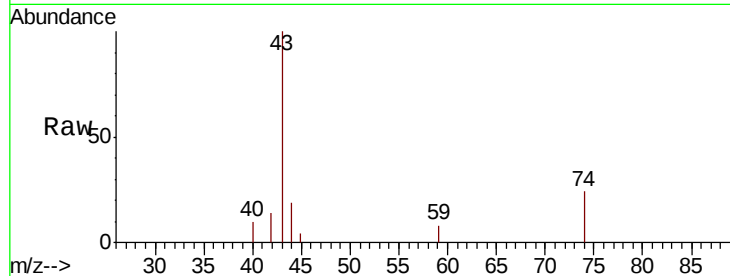




#18
Methvl Acetate
Concen: 1.94 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

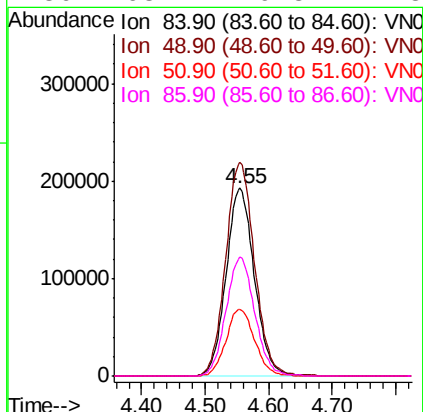
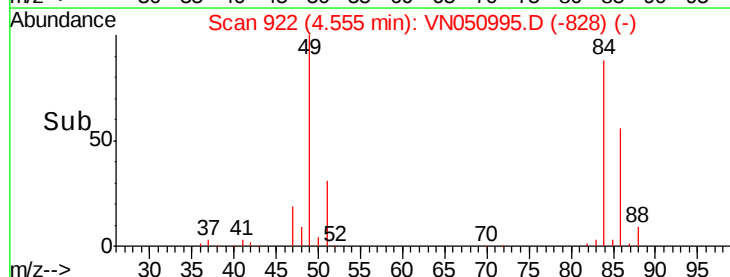
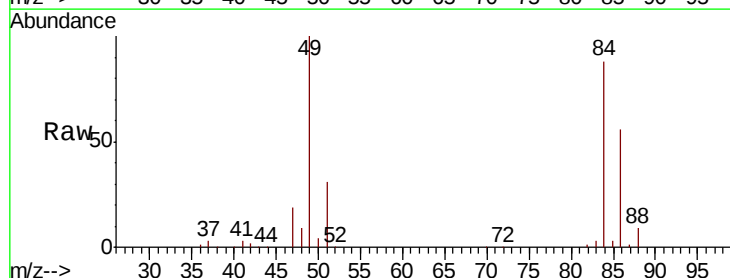
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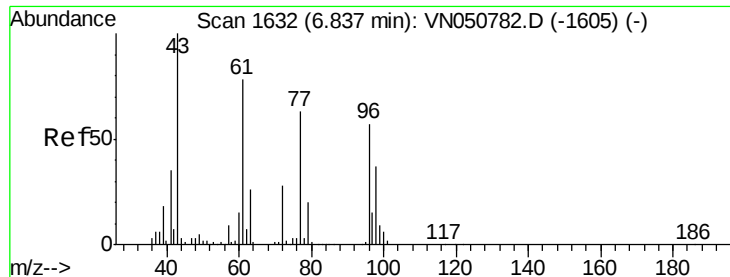
Tot Ion: 43 Resp: 13184
Ion Ratio Lower Upper
43 100
74 22.9 19.8 29.8



#20
Methylene Chloride
Concen: 73.52 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

Tgt Ion: 84 Resp: 597135
Ion Ratio Lower Upper
84 100
49 113.8 93.2 139.8
51 35.2 29.0 43.6
86 63.2 49.8 74.8





#25

2-Butanone

Concen: 3.89 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

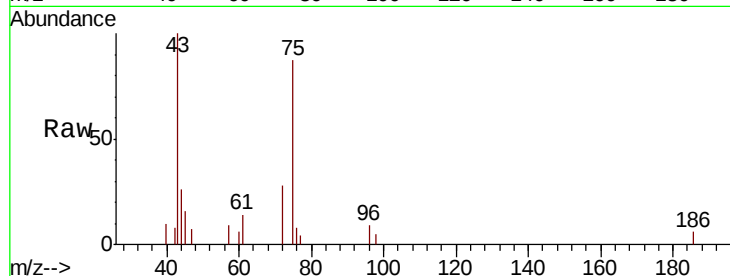
KG-SLUDGE-2

Tot Ion: 43 Resp: 11306

Ion Ratio Lower Upper

43 100

72 28.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

4000

3000

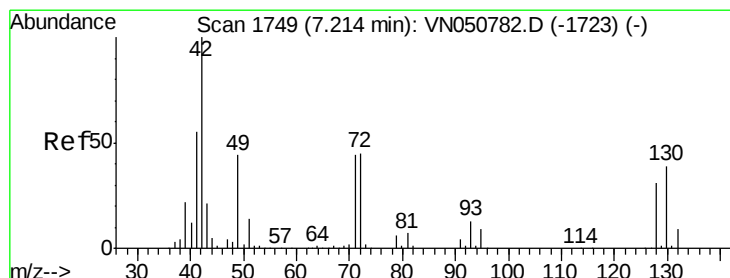
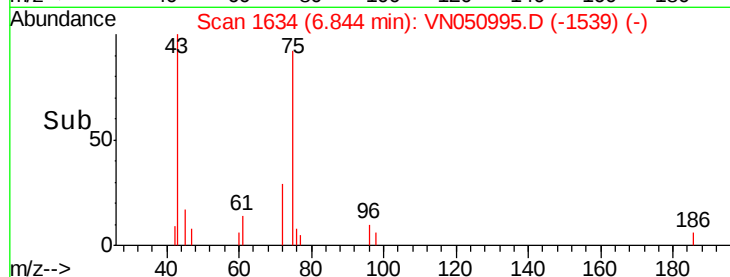
2000

1000

0

6.80 6.90

Time-->



#29

Tetrahydrofuran

Concen: 0.99 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.02 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

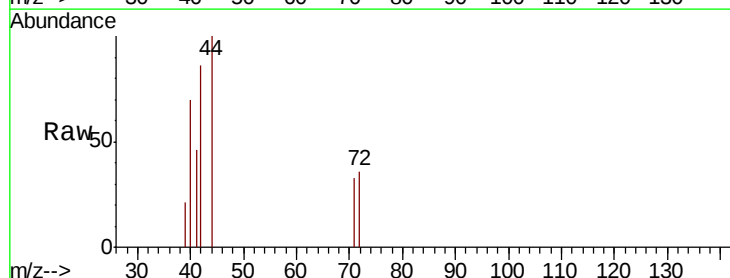
Tgt Ion: 42 Resp: 1643

Ion Ratio Lower Upper

42 100

72 18.8 35.5 53.3#

71 1.8 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

800

600

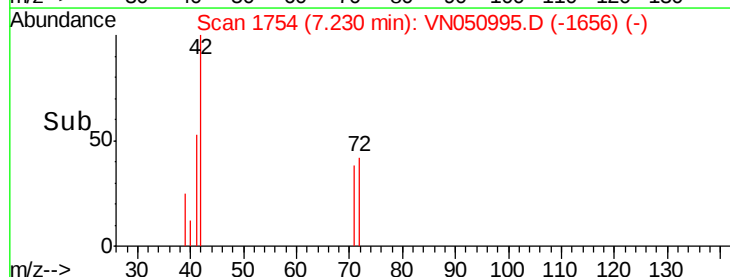
400

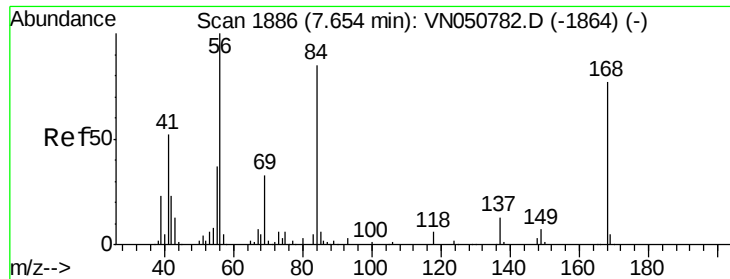
200

0

7.15 7.20 7.25

Time-->





#31

Cyclohexane

Concen: 1.40 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

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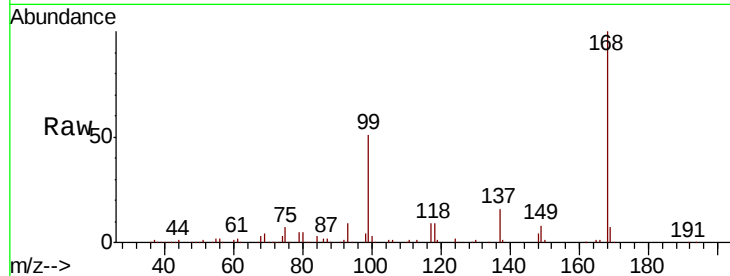
Tot Ion: 56 Resp: 11529

Ion Ratio Lower Upper

56 100

69 184.0 26.2 39.4#

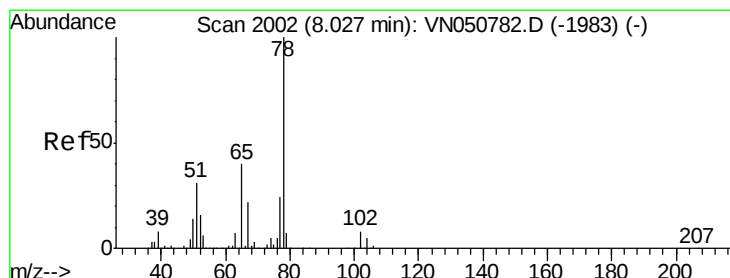
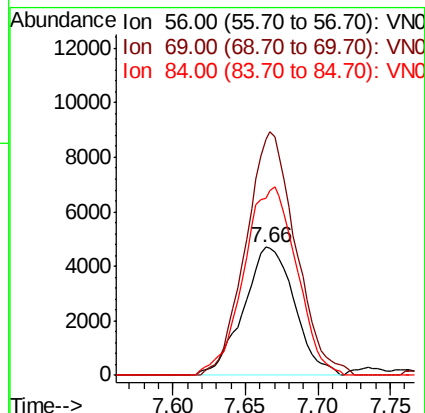
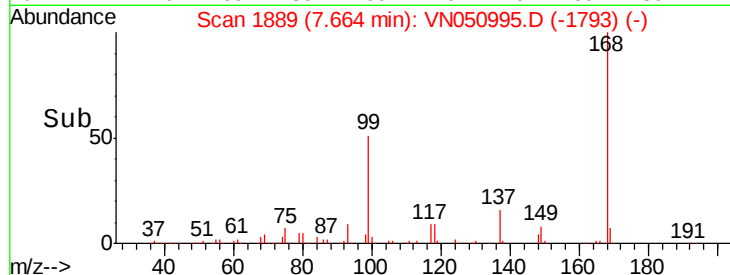
84 138.7 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.68 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050995.D

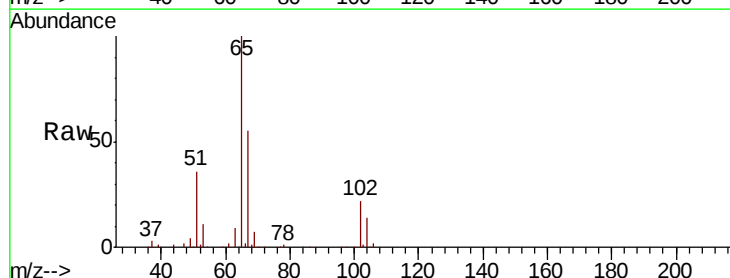
Acq: 31 Aug 2018 18:07

Tgt Ion: 65 Resp: 379609

Ion Ratio Lower Upper

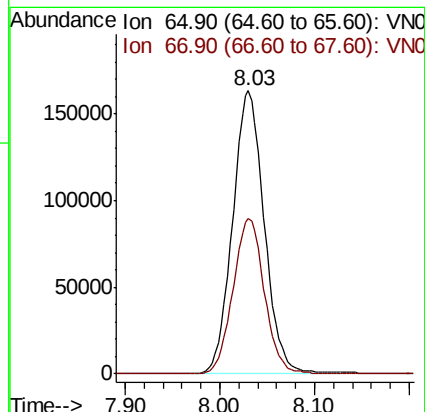
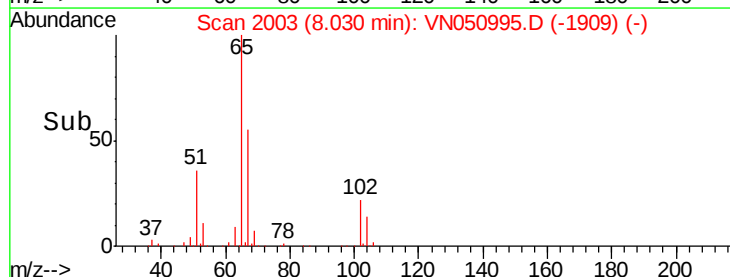
65 100

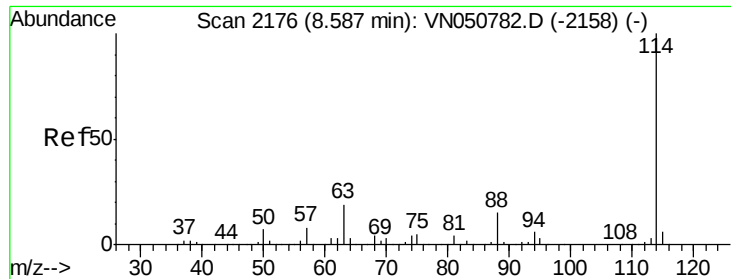
67 54.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

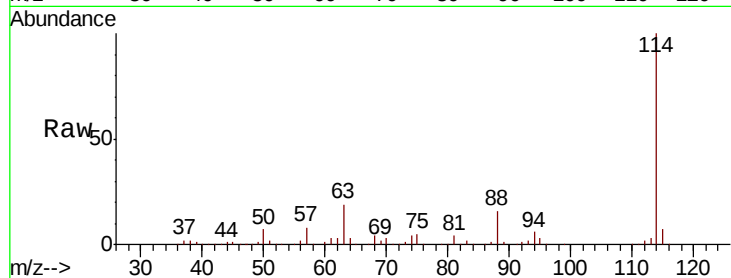




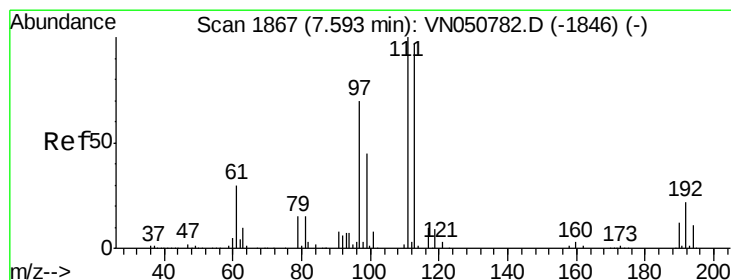
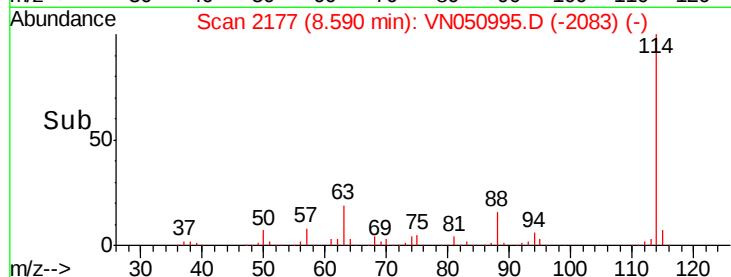
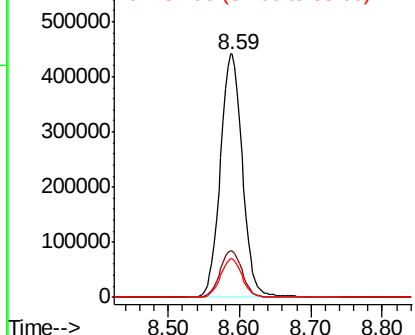
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050995.D
 Acq: 31 Aug 2018 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.6
88	15.9	0.0	30.6

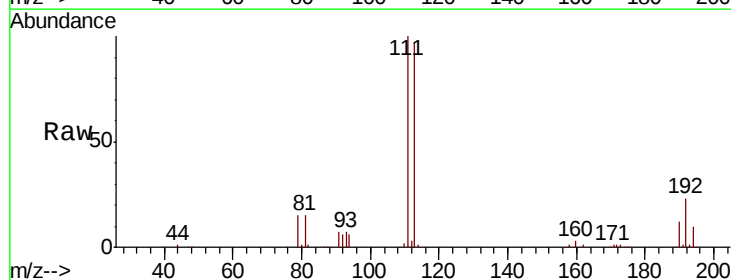


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

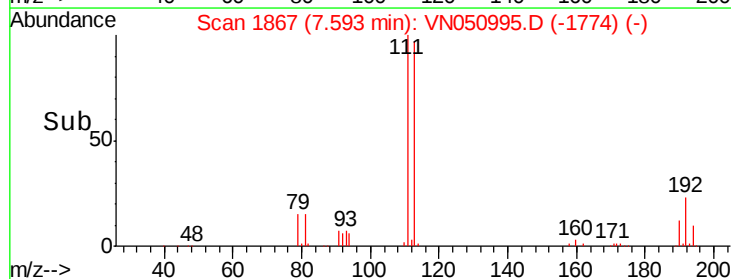
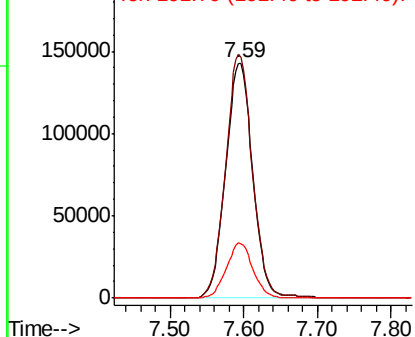


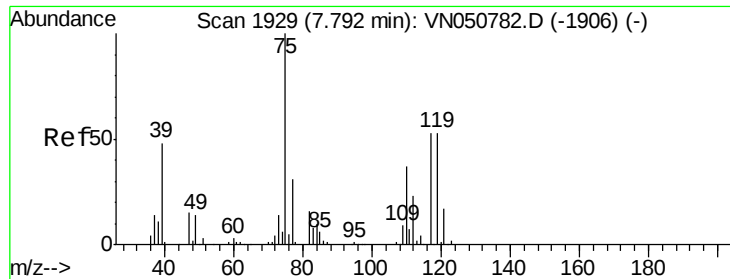
#35
 Dibromofluoromethane
 Concen: 48.46 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050995.D
 Acq: 31 Aug 2018 18:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	22.9	18.0	27.0



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

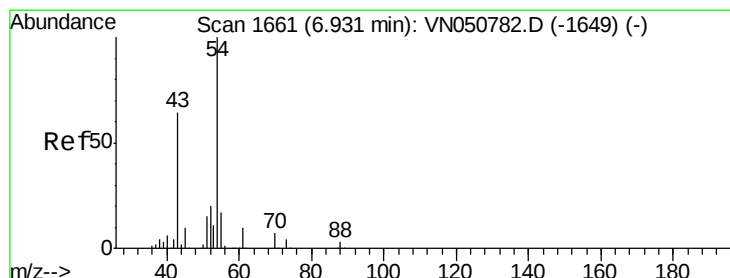
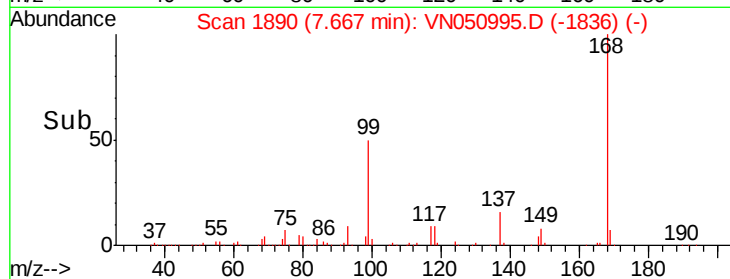
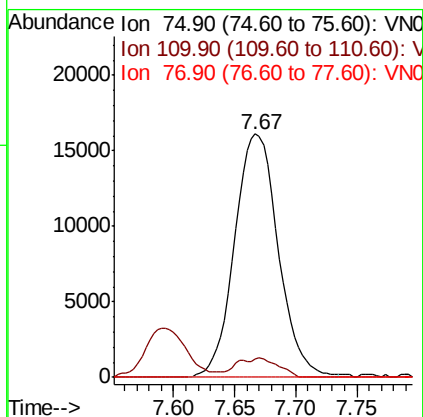
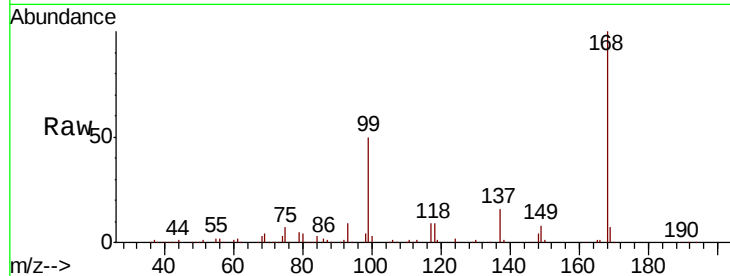




#36
 1,1-Dichloropropene
 Concen: 3.58 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050995.D
 Acq: 31 Aug 2018 18:07

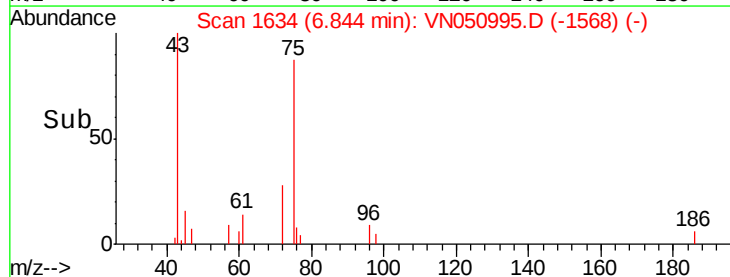
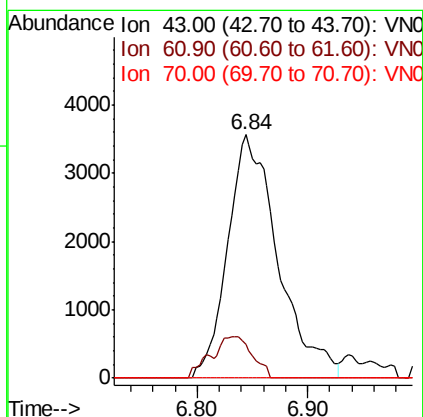
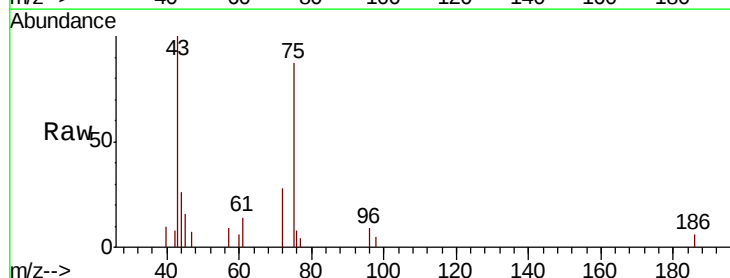
Instrument :
 MSVOA_N
 ClientSampleId :
 KG-SLUDGE-2

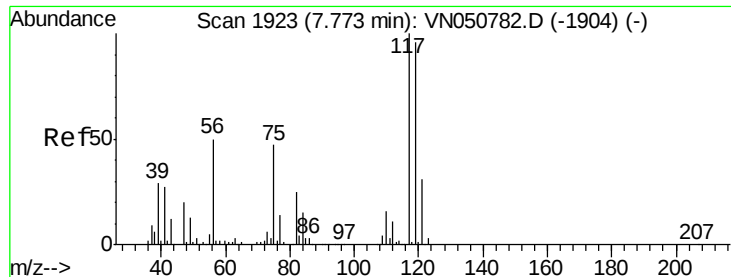
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.4	18.1	54.4#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 1.76 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.09 min
 Lab File: VN050995.D
 Acq: 31 Aug 2018 18:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.9	12.0	18.0#
70	0.0	8.6	13.0#

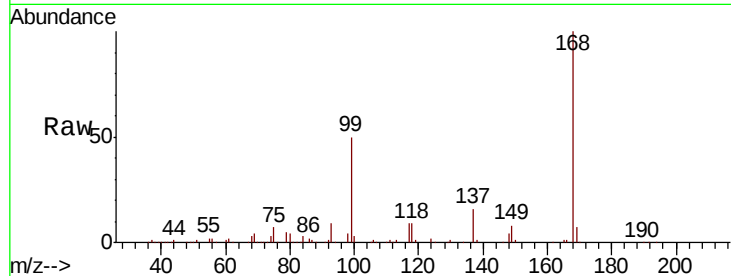




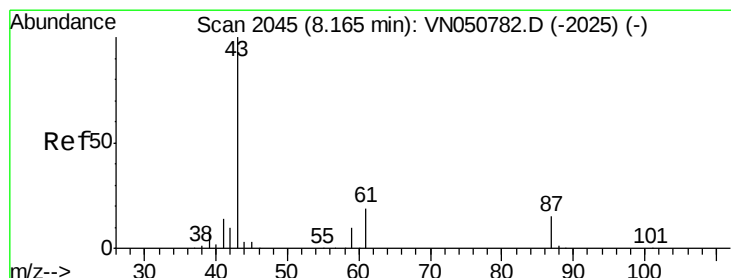
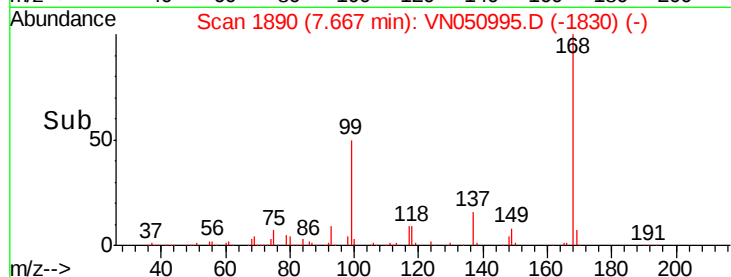
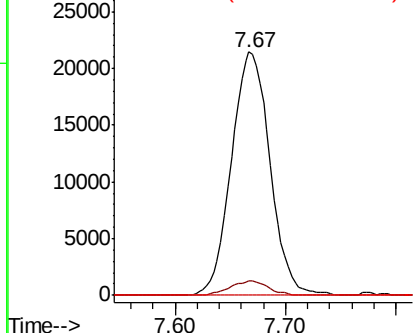
#38
Carbon Tetrachloride
Concen: 4.61 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

Instrument :
MSVOA_N
ClientSampled :
KG-SLUDGE-2

Tot Ion:117 Resp: 51986
Ion Ratio Lower Upper
117 100
119 5.9 76.3 114.5#
121 0.0 24.6 36.8#

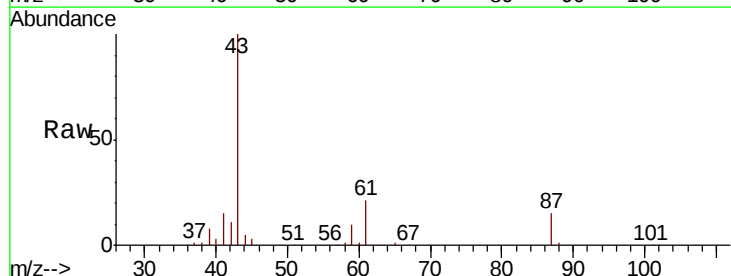


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

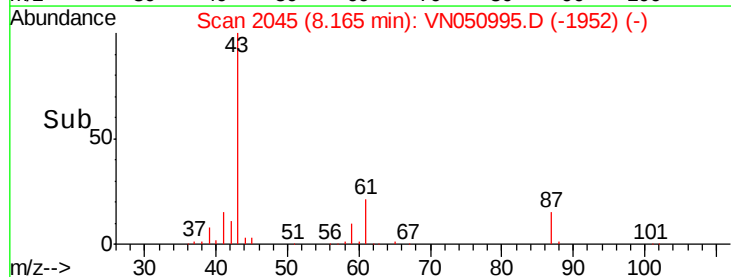
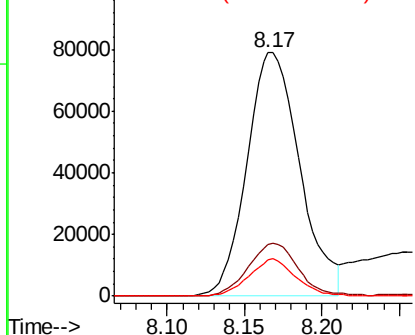


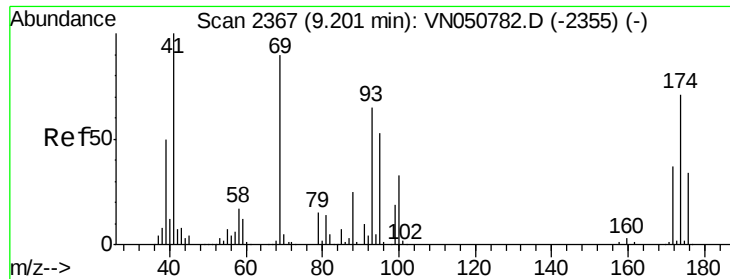
#43
Isopropyl Acetate
Concen: 17.06 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

Tgt Ion: 43 Resp: 188155
Ion Ratio Lower Upper
43 100
61 20.6 17.5 26.3
87 13.5 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

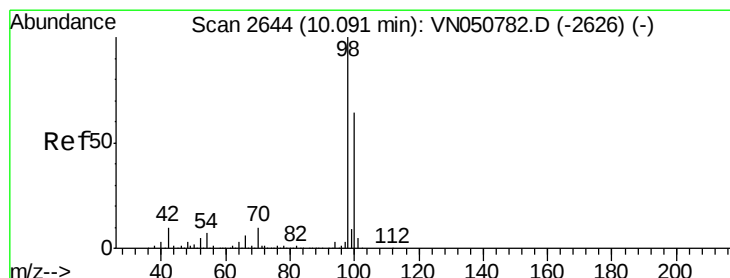
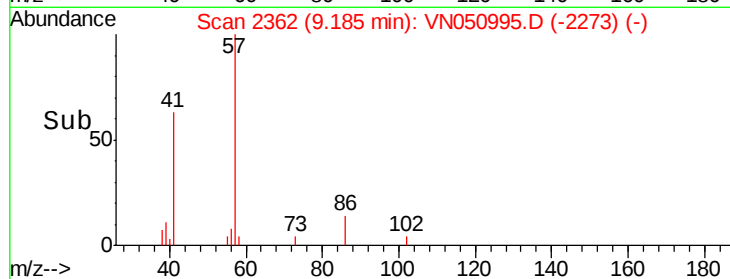
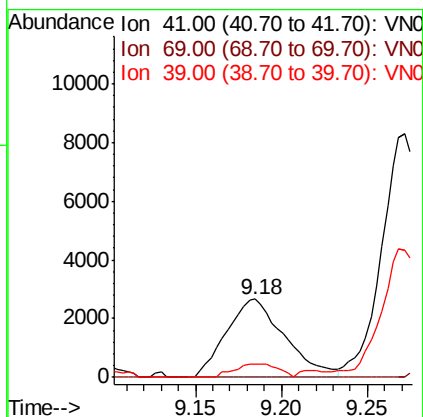
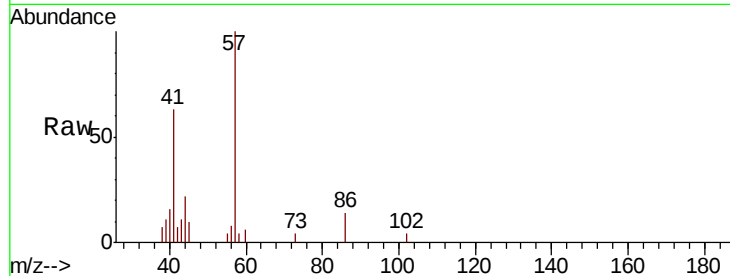




#48
Methvl methacrylate
Concen: 1.13 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

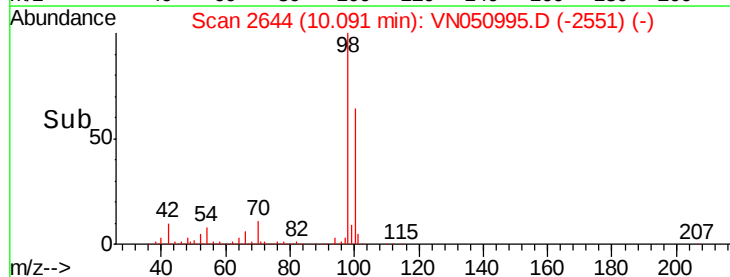
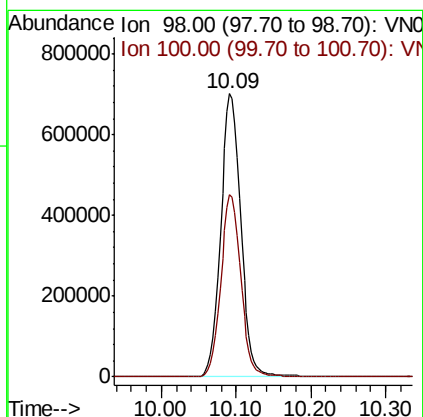
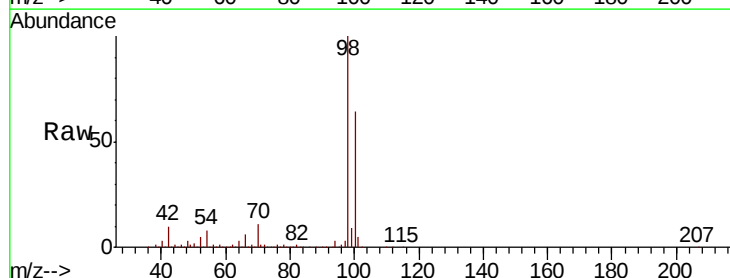
Instrument :
MSVOA_N
ClientSampled :
KG-SLUDGE-2

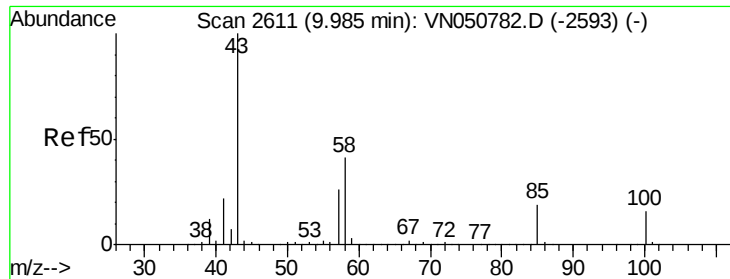
Tot Ion: 41 Resp: 6329
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 12.8 42.2 63.2#



#50
Toluene-d8
Concen: 46.26 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

Tgt Ion: 98 Resp: 1301802
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.24 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampled :

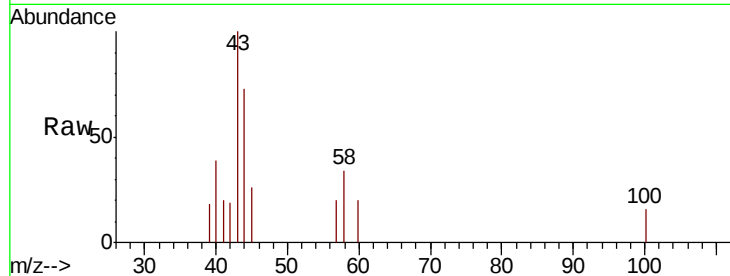
KG-SLUDGE-2

Tot Ion: 43 Resp: 1580

Ion Ratio Lower Upper

43 100

58 31.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2593) (-)

Ion 58.00 (57.70 to 58.70): VN050782.D (-2593) (-)

9.99

1200

1000

800

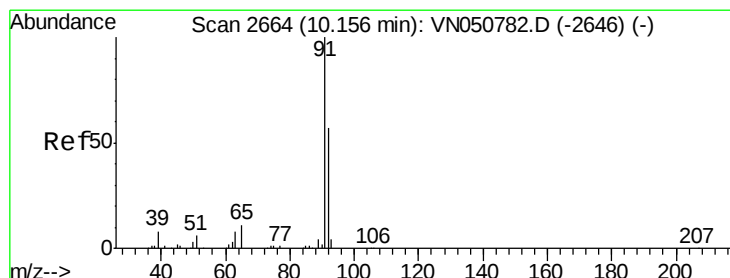
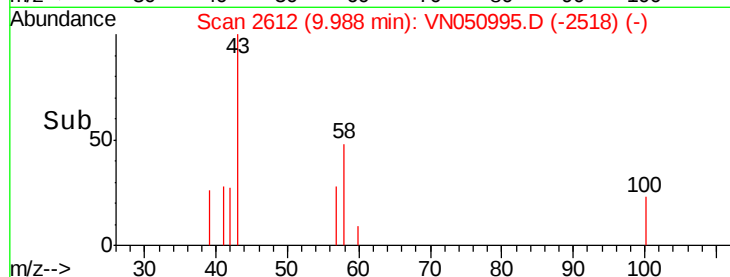
600

400

200

0

Time-->



#52

Toluene

Concen: 0.50 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050995.D

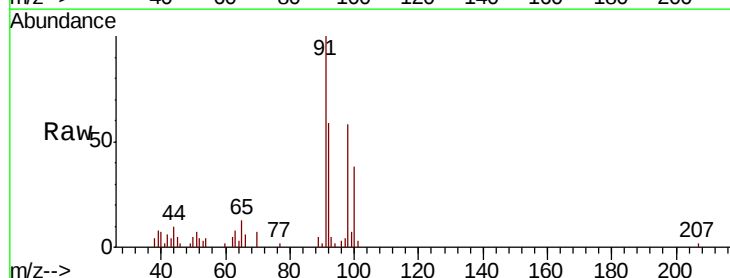
Acq: 31 Aug 2018 18:07

Tgt Ion: 92 Resp: 9941

Ion Ratio Lower Upper

92 100

91 179.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN050782.D (-2646) (-)

Ion 91.00 (90.70 to 91.70): VN050782.D (-2646) (-)

10.16

10000

8000

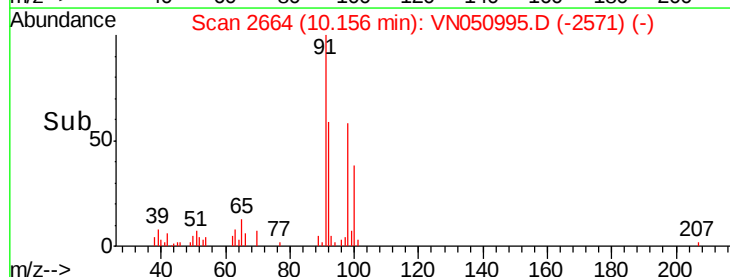
6000

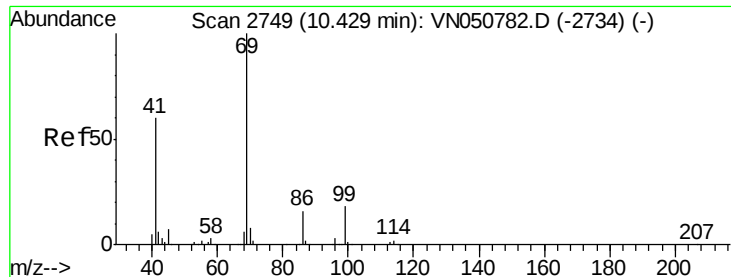
4000

2000

0

Time-->





#56

Ethyl methacrylate

Concen: 2.36 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampled :

KG-SLUDGE-2

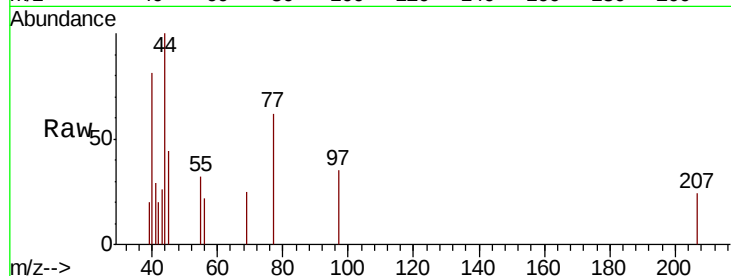
Tot Ion: 69 Resp: 72

Ion Ratio Lower Upper

69 100

41 206.9 48.3 72.5#

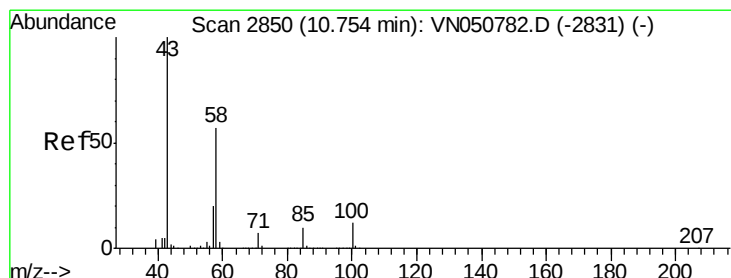
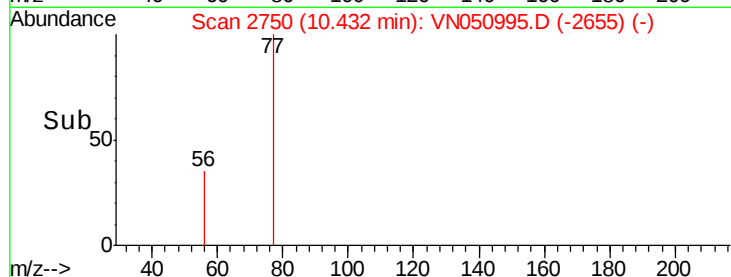
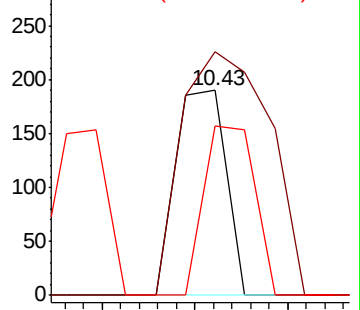
39 83.3 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VN050995.D (-2655) (-)

Ion 41.00 (40.70 to 41.70): VN050995.D (-2655) (-)

Ion 39.00 (38.70 to 39.70): VN050995.D (-2655) (-)



#59

2-Hexanone

Concen: 3.04 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050995.D

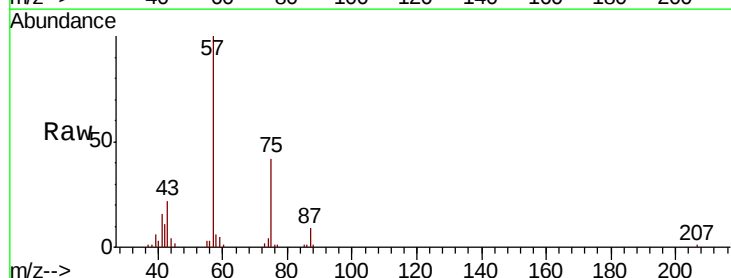
Acq: 31 Aug 2018 18:07

Tgt Ion: 43 Resp: 13331

Ion Ratio Lower Upper

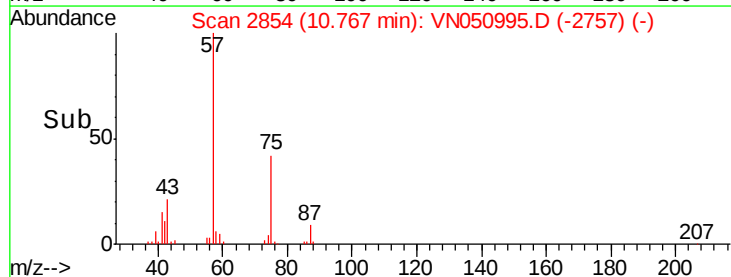
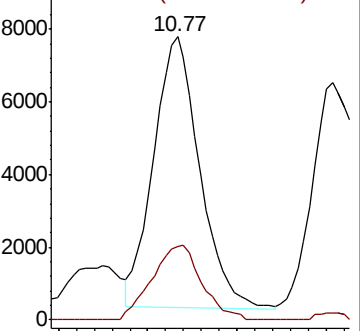
43 100

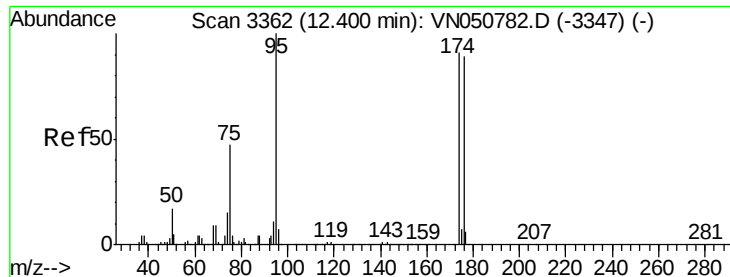
58 29.6 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN050995.D (-2757) (-)

Ion 58.00 (57.70 to 58.70): VN050995.D (-2757) (-)





#62

4-Bromofluorobenzene

Concen: 38.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampled :

KG-SLUDGE-2

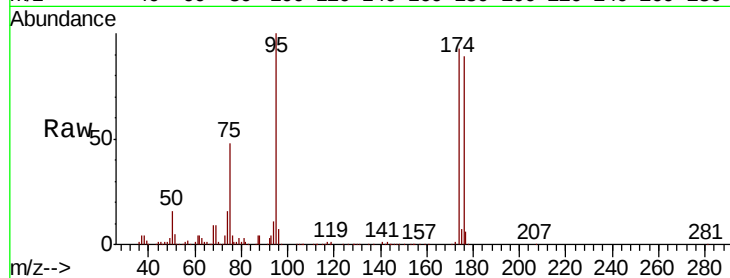
Tot Ion: 95 Resp: 364088

Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.0

176 88.2 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050782.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050782.D (-3347) (-)

12.40

250000

200000

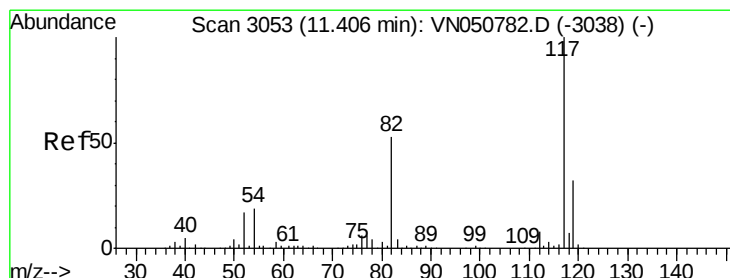
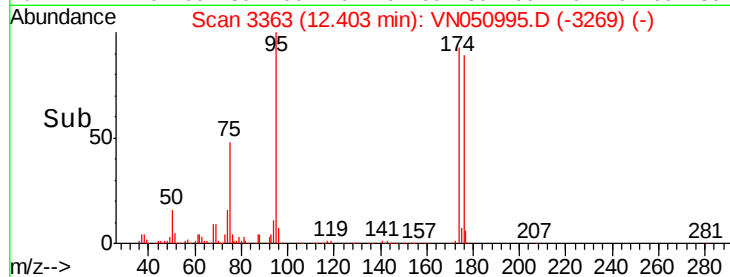
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

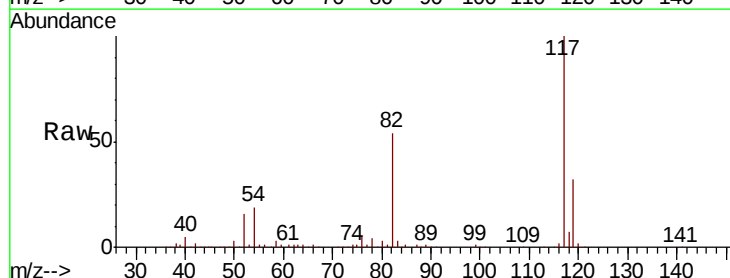
Tgt Ion: 117 Resp: 812259

Ion Ratio Lower Upper

117 100

82 53.8 42.6 64.0

119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN050782.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050782.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050782.D (-3038) (-)

11.41

600000

500000

400000

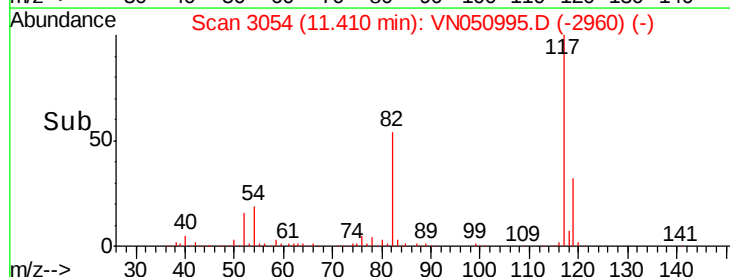
300000

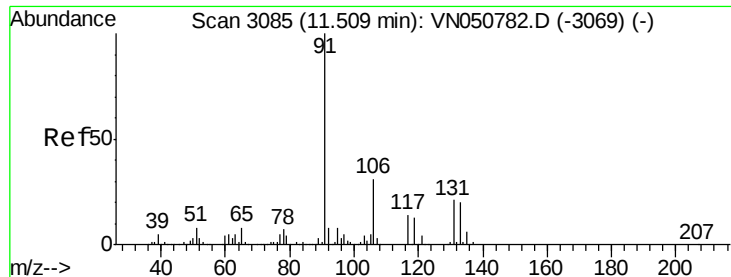
200000

100000

0

Time--> 11.30 11.40 11.50

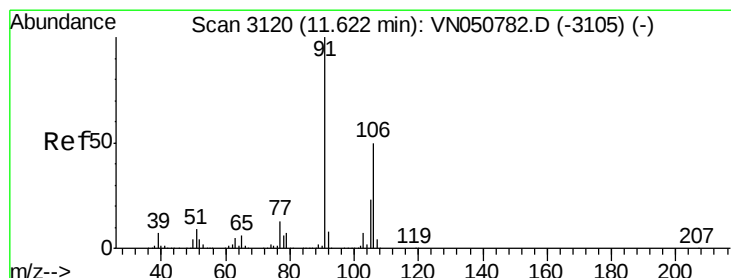
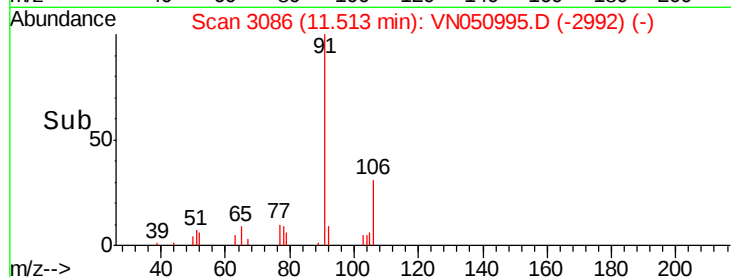
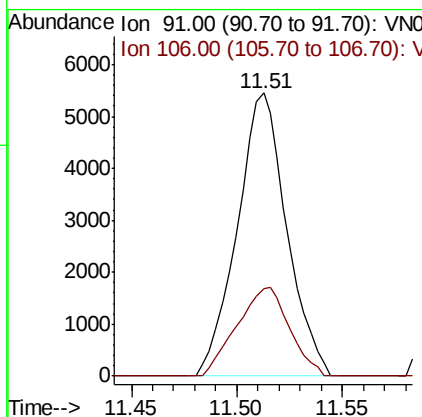
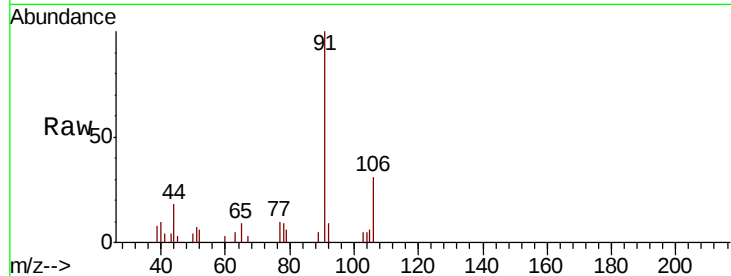




#67
Ethyl Benzene
Concen: 0.26 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

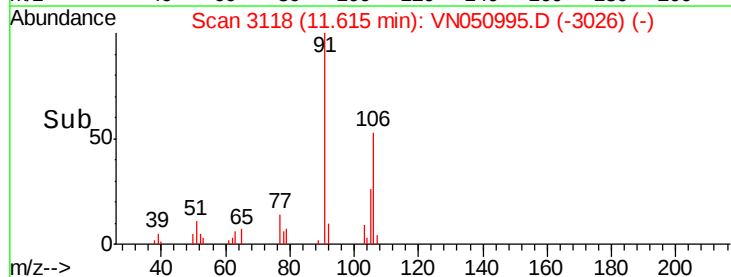
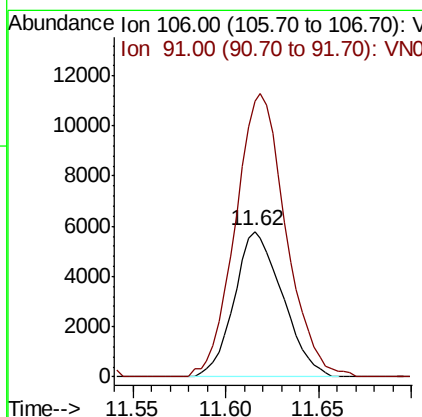
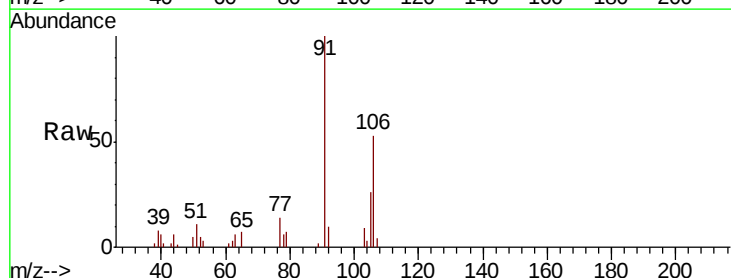
Instrument :
MSVOA_N
ClientSampled :
KG-SLUDGE-2

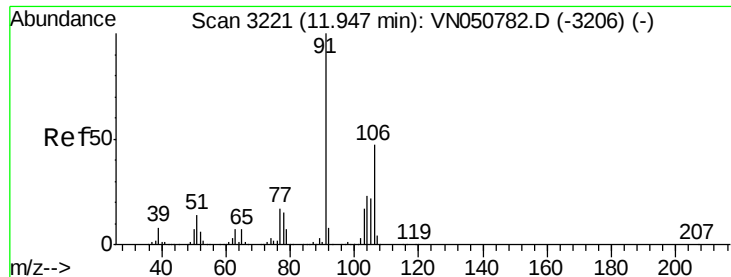
Tot Ion: 91 Resp: 8883
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4



#68
m/p-Xylenes
Concen: 0.80 ug/l
RT: 11.62 min Scan# 3118
Delta R.T. -0.01 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

Tgt Ion: 106 Resp: 10456
Ion Ratio Lower Upper
106 100
91 204.2 161.0 241.6

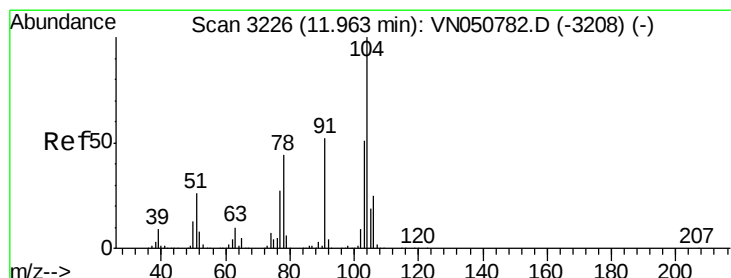
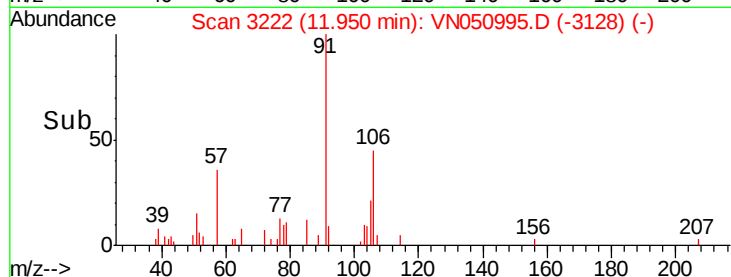
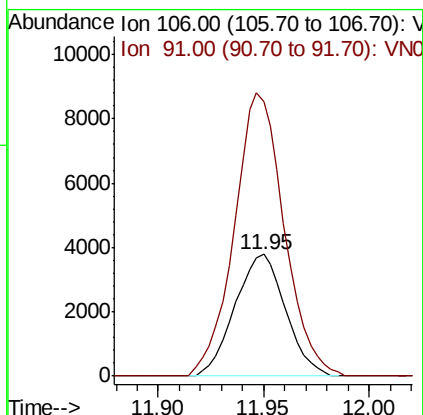
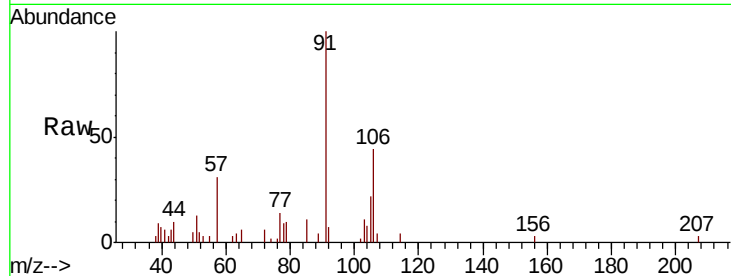




#69
o-Xylene
Concen: 0.50 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

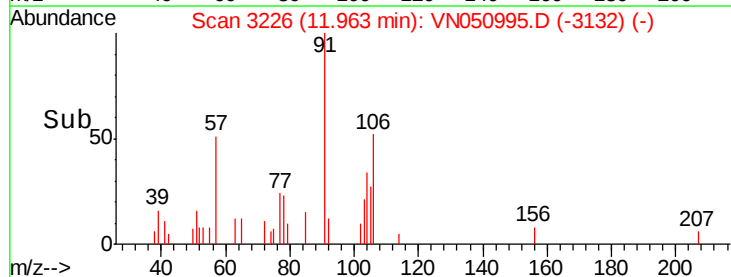
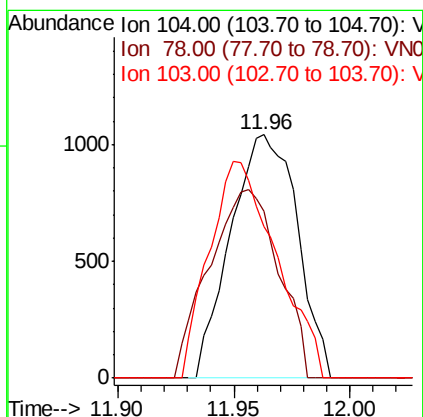
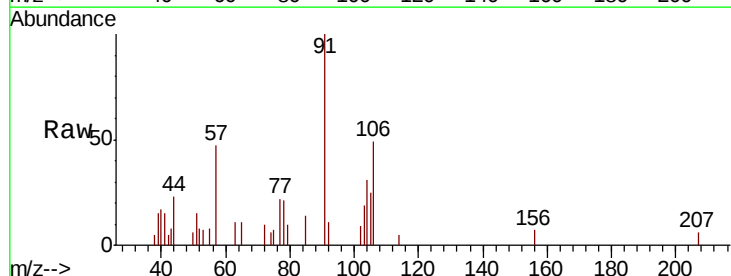
Instrument :
MSVOA_N
ClientSampled :
KG-SLUDGE-2

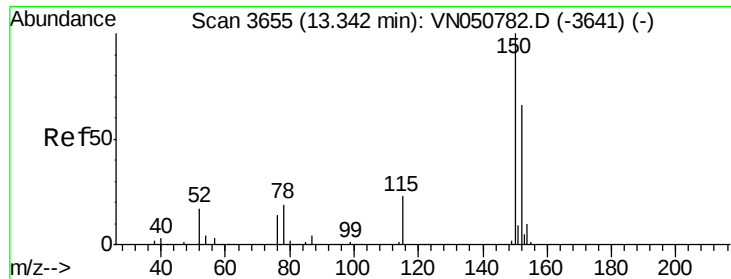
Tot Ion:106 Resp: 6318
Ion Ratio Lower Upper
106 100
91 228.8 106.5 319.5



#70
Styrene
Concen: 1.36 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

Tgt Ion:104 Resp: 2078
Ion Ratio Lower Upper
104 100
78 81.1 38.2 57.4#
103 90.1 44.4 66.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

KG-SLUDGE-2

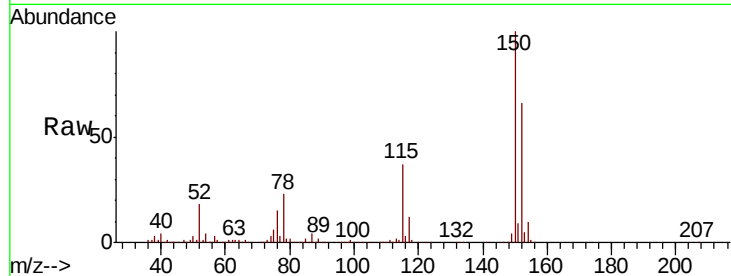
Tot Ion:152 Resp: 309399

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.4

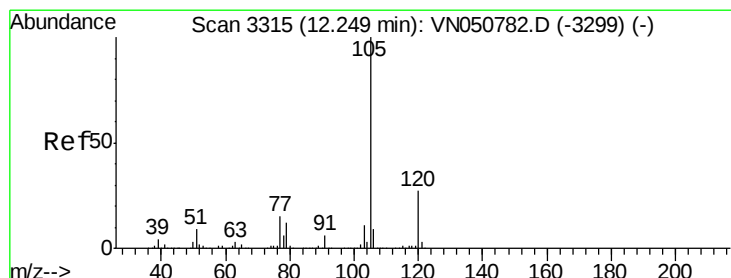
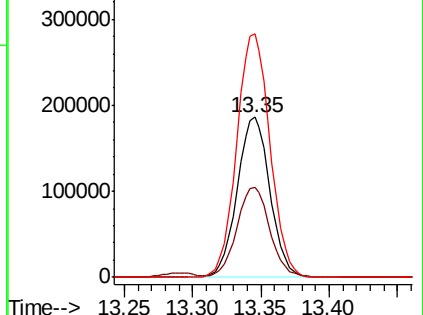
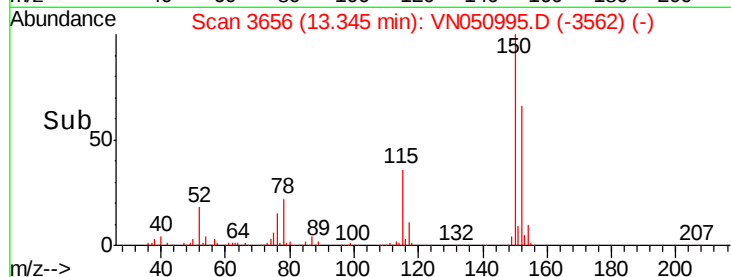
150 154.6 0.0 351.4



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: 0.25 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050995.D

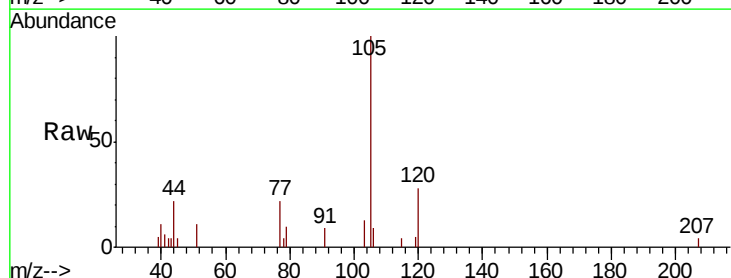
Acq: 31 Aug 2018 18:07

Tgt Ion:105 Resp: 6527

Ion Ratio Lower Upper

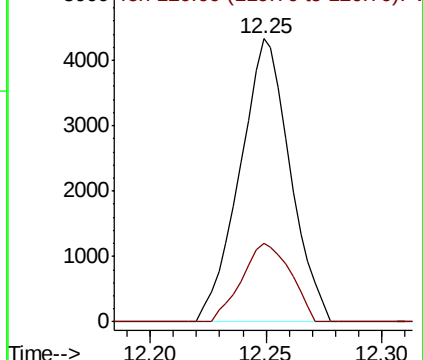
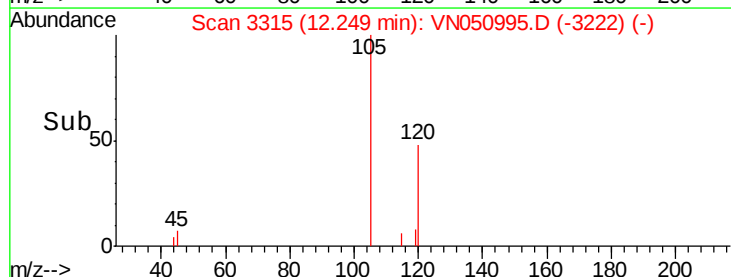
105 100

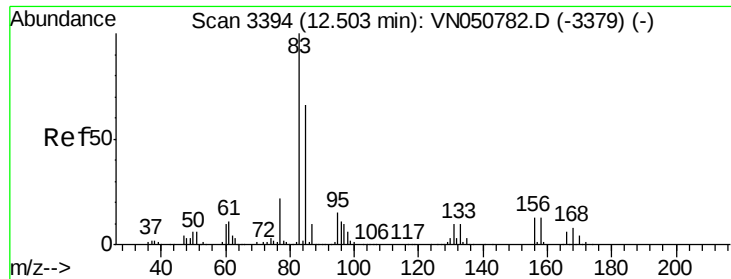
120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.55 min Scan# 3410

Delta R.T. 0.05 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

KG-SLUDGE-2

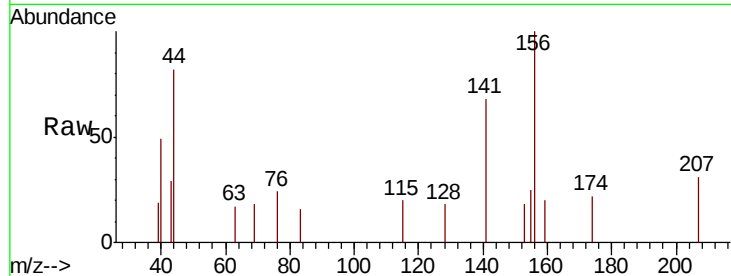
Tot Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

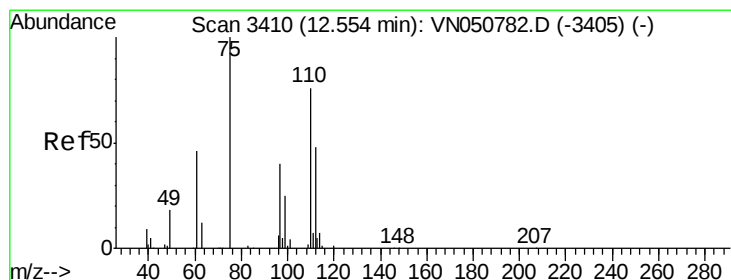
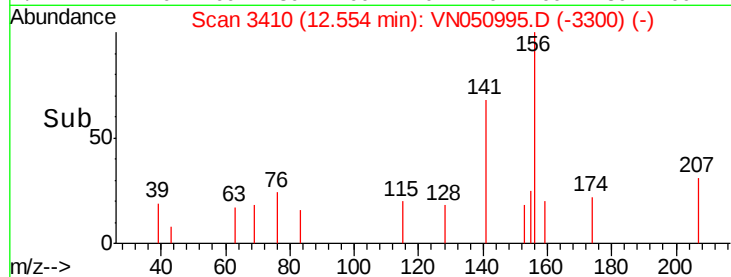
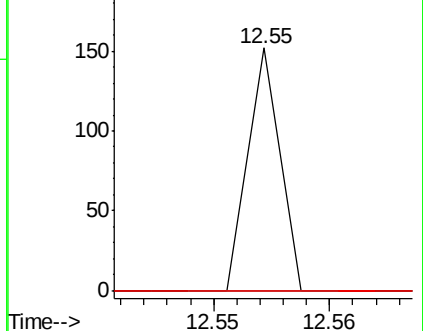
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050995.D

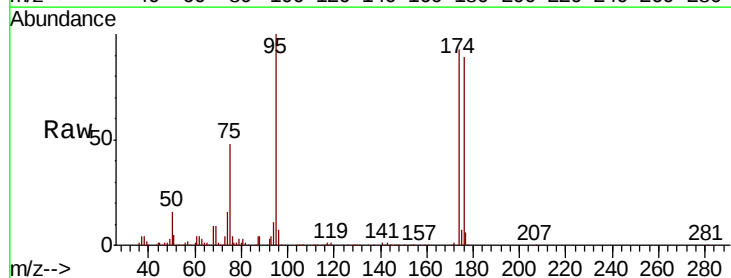
Acq: 31 Aug 2018 18:07

Tgt Ion: 75 Resp: 169741

Ion Ratio Lower Upper

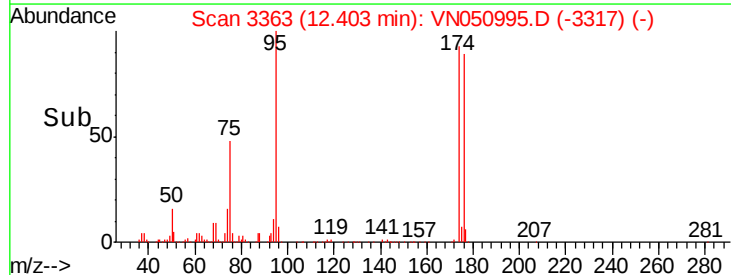
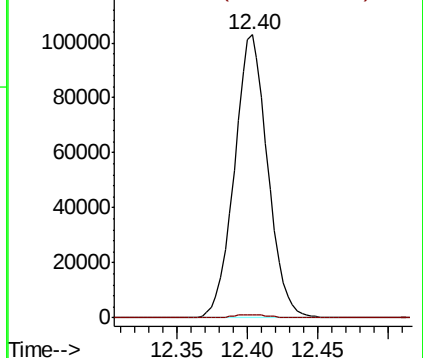
75 100

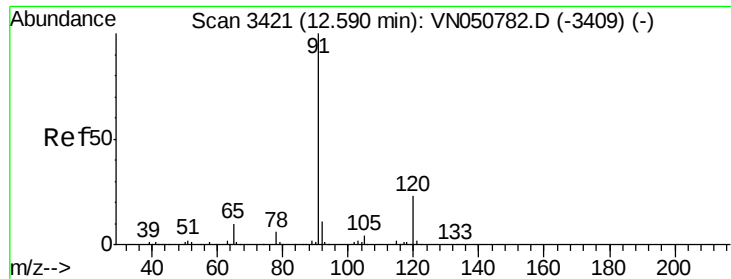
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.42 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampled :

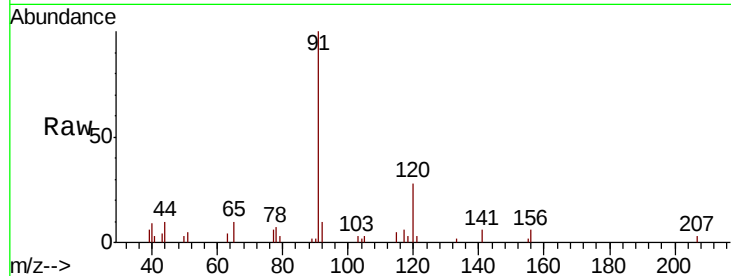
KG-SLUDGE-2

Tot Ion: 91 Resp: 12149

Ion Ratio Lower Upper

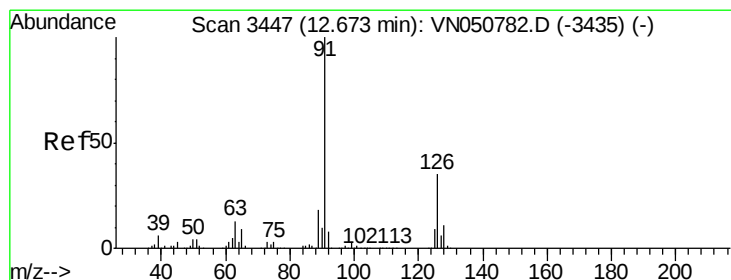
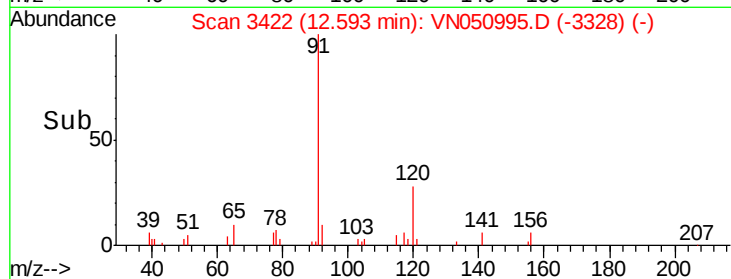
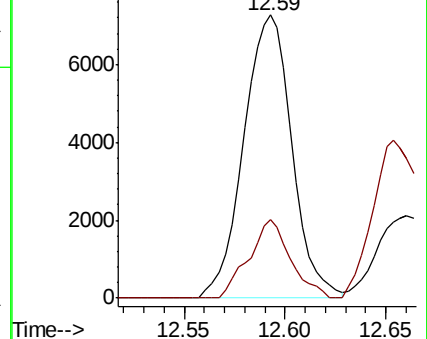
91 100

120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN050782.D (-3409) (-)



#79

2-Chlorotoluene

Concen: 0.28 ug/l

RT: 12.66 min Scan# 3443

Delta R.T. -0.01 min

Lab File: VN050995.D

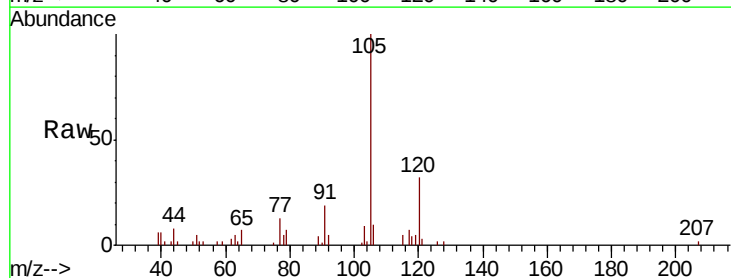
Acq: 31 Aug 2018 18:07

Tgt Ion: 91 Resp: 4963

Ion Ratio Lower Upper

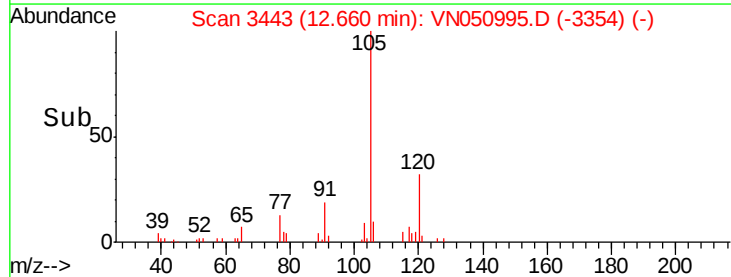
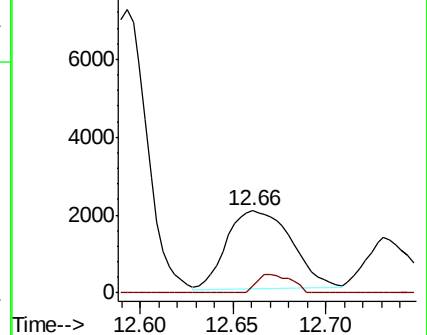
91 100

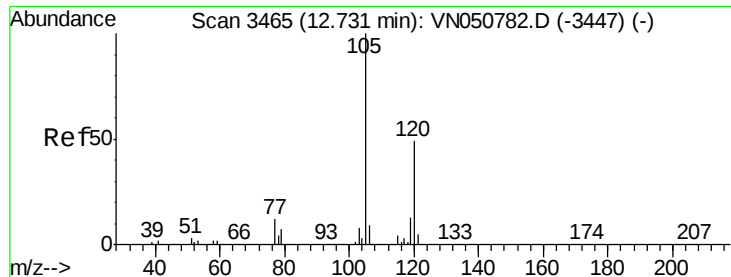
126 12.3 17.8 53.3#



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

Ion 125.90 (125.60 to 126.60): VN050782.D (-3435) (-)





#80

1,3,5-Trimethylbenzene

Concen: 1.05 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampled :

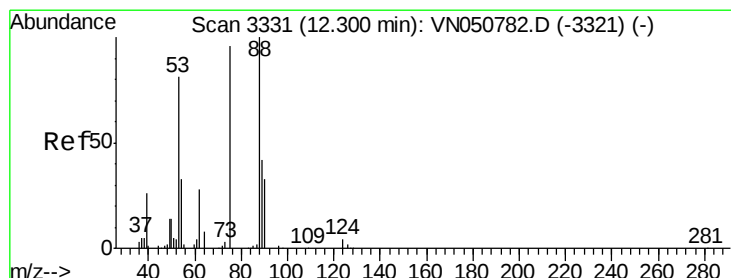
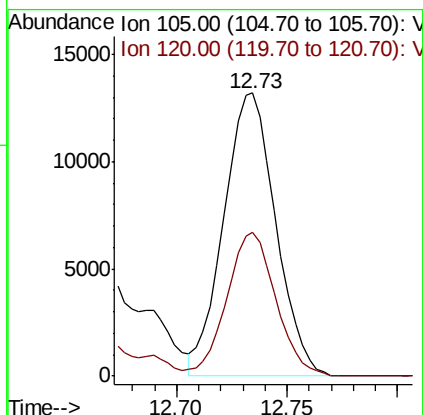
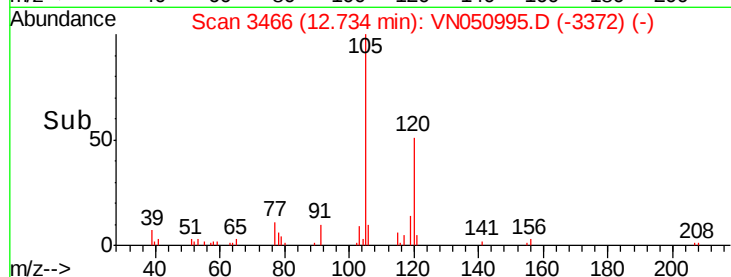
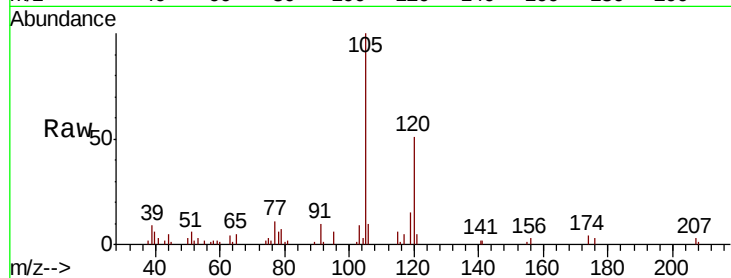
KG-SLUDGE-2

Tot Ion:105 Resp: 21608

Ion Ratio Lower Upper

105 100

120 48.0 24.6 74.0



#81

trans-1,4-Dichloro-2-butene

Concen: 105.89 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

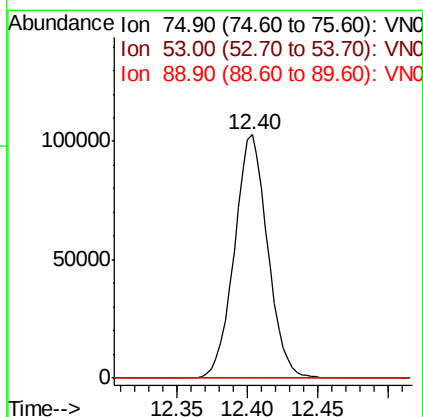
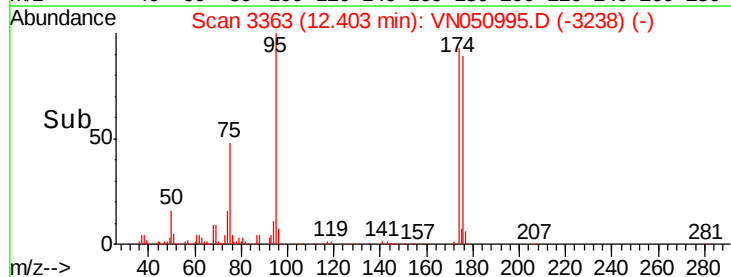
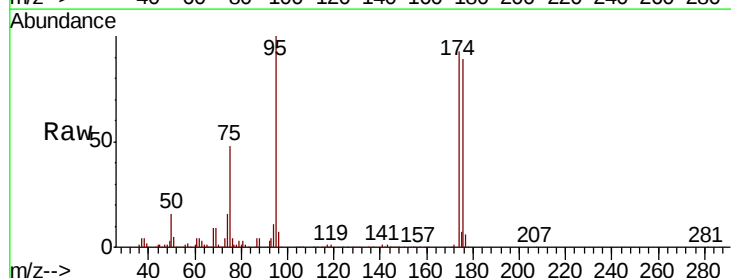
Tgt Ion: 75 Resp: 169741

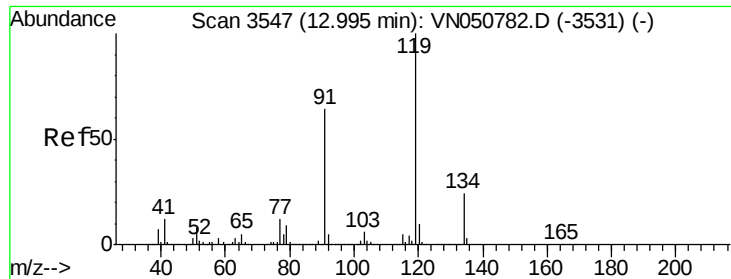
Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

89 0.0 36.1 54.1#

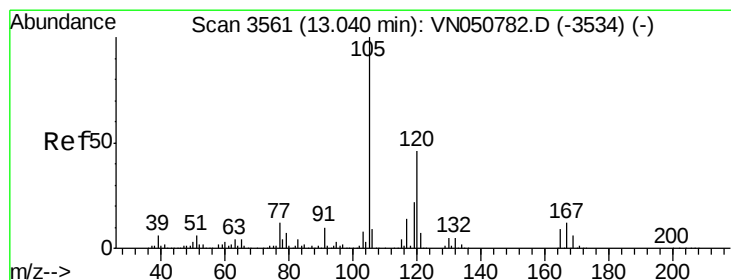
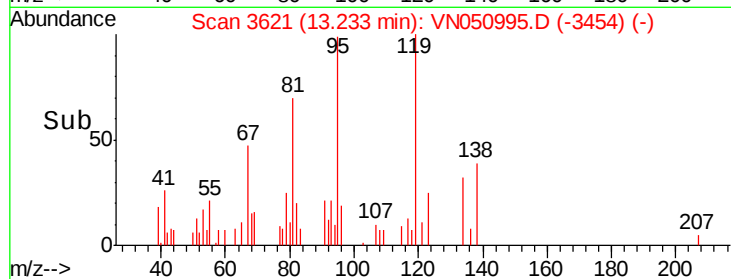
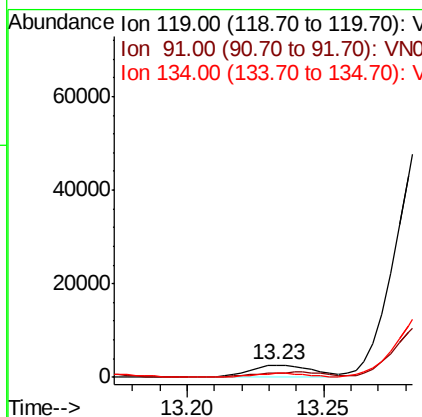
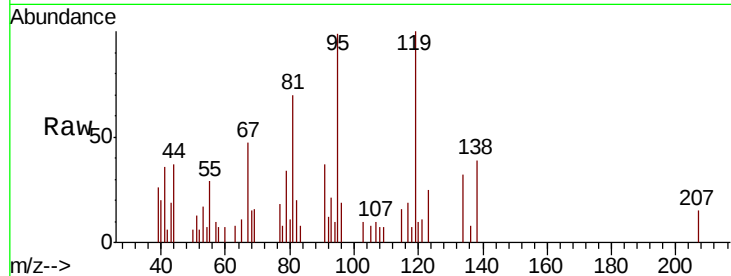




#83
 tert-Butylbenzene
 Concen: 0.24 ug/l
 RT: 13.23 min Scan# 3621
 Delta R.T. 0.24 min
 Lab File: VN050995.D
 Acq: 31 Aug 2018 18:07

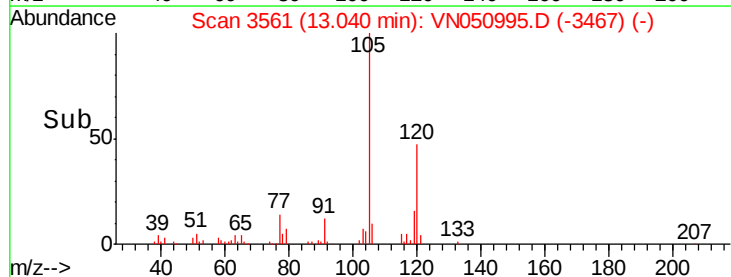
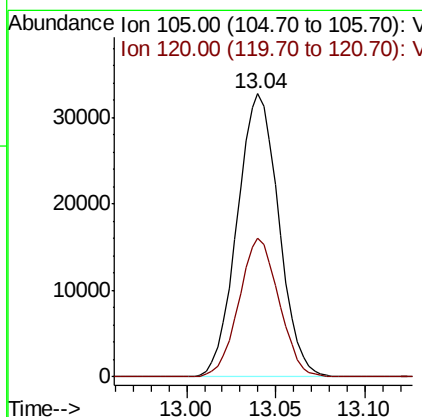
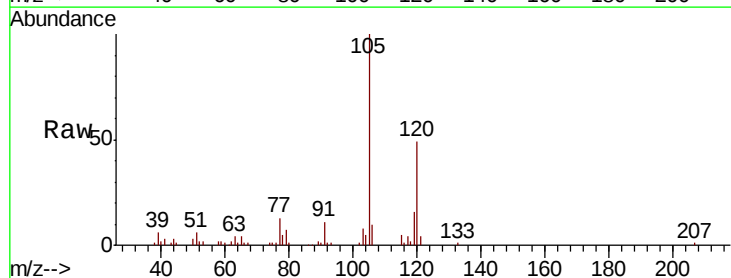
Instrument :
 MSVOA_N
 ClientSampled :
 KG-SLUDGE-2

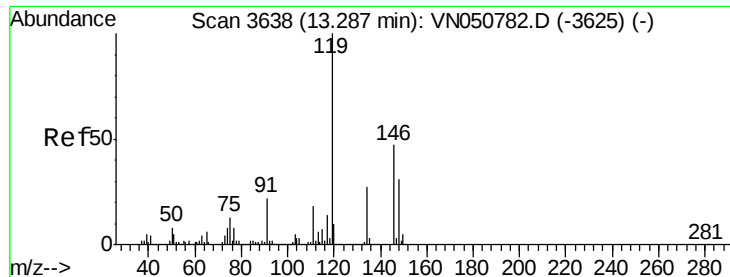
Tot Ion:119 Resp: 4316
 Ion Ratio Lower Upper
 119 100
 91 47.6 31.6 94.7
 134 28.3 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.56 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050995.D
 Acq: 31 Aug 2018 18:07

Tgt Ion:105 Resp: 53149
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.9 68.8





#86

p-Isopropyltoluene

Concen: 4.70 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050995.D

Acq: 31 Aug 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

KG-SLUDGE-2

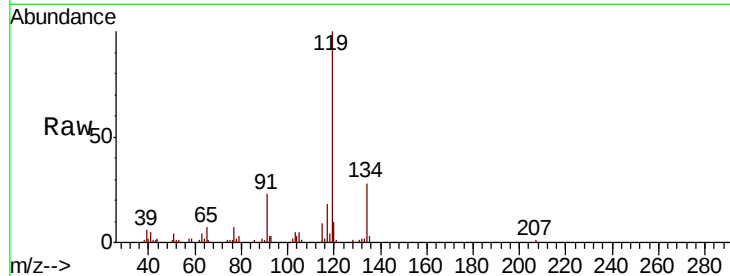
Tot Ion:119 Resp: 93968

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

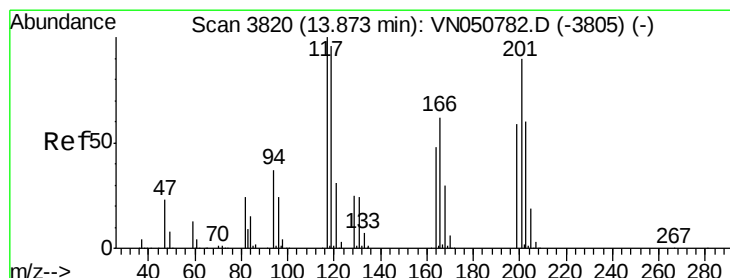
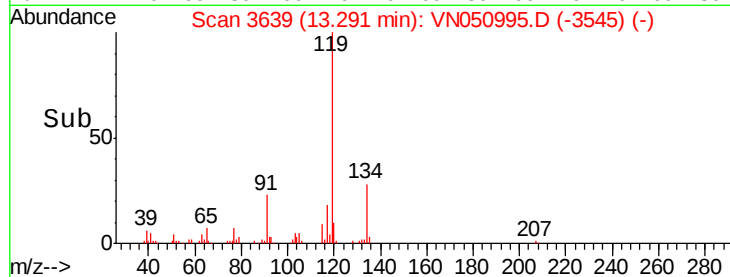
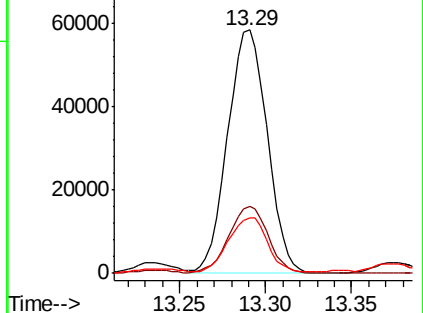
91 21.9 11.2 33.5



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



#90

Hexachloroethane

Concen: 1.13 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.02 min

Lab File: VN050995.D

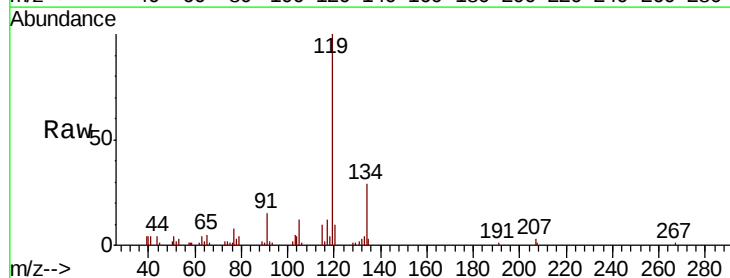
Acq: 31 Aug 2018 18:07

Tgt Ion:117 Resp: 3607

Ion Ratio Lower Upper

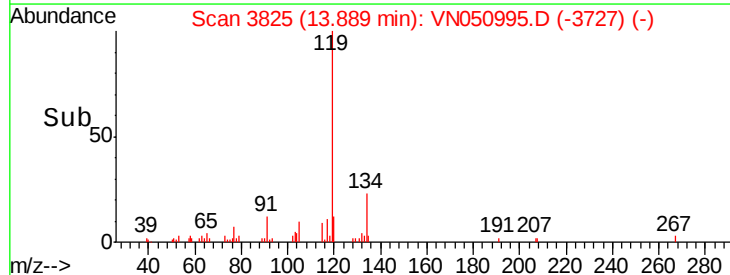
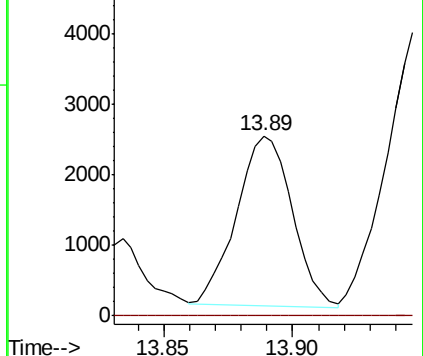
117 100

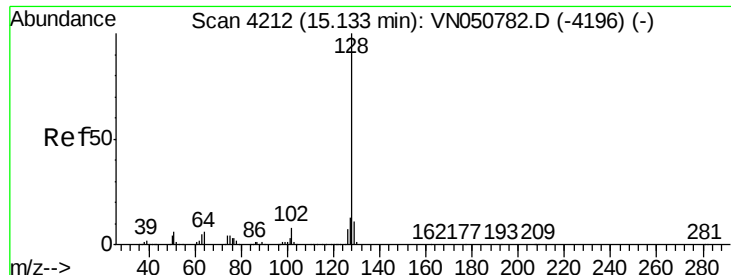
201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

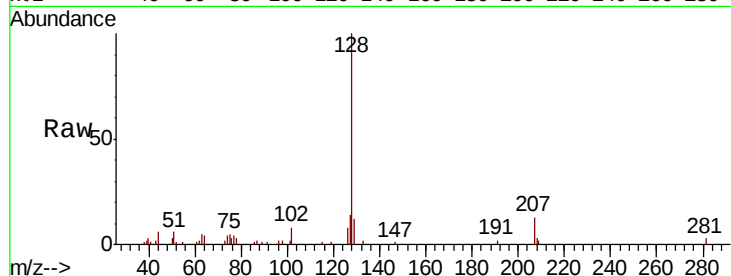




#95
Naphthalene
Concen: 7.65 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050995.D
Acq: 31 Aug 2018 18:07

Instrument :
MSVOA_N
ClientSampleId :
KG-SLUDGE-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	13.6	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

