

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005597.D
 Acq On : 24 Sep 2018 20:31
 Operator : VA/AP
 Sample : J4993-04
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NS-SLUDGE

Quant Time: Sep 25 07:32:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	85049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	155970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	71939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	55272	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
35) Dibromofluoromethane	7.89	113	37125	37.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.70%	
50) Toluene-d8	10.33	98	70291	17.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.20%	
62) 4-Bromofluorobenzene	12.63	95	15169	10.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.52%	

Target Compounds

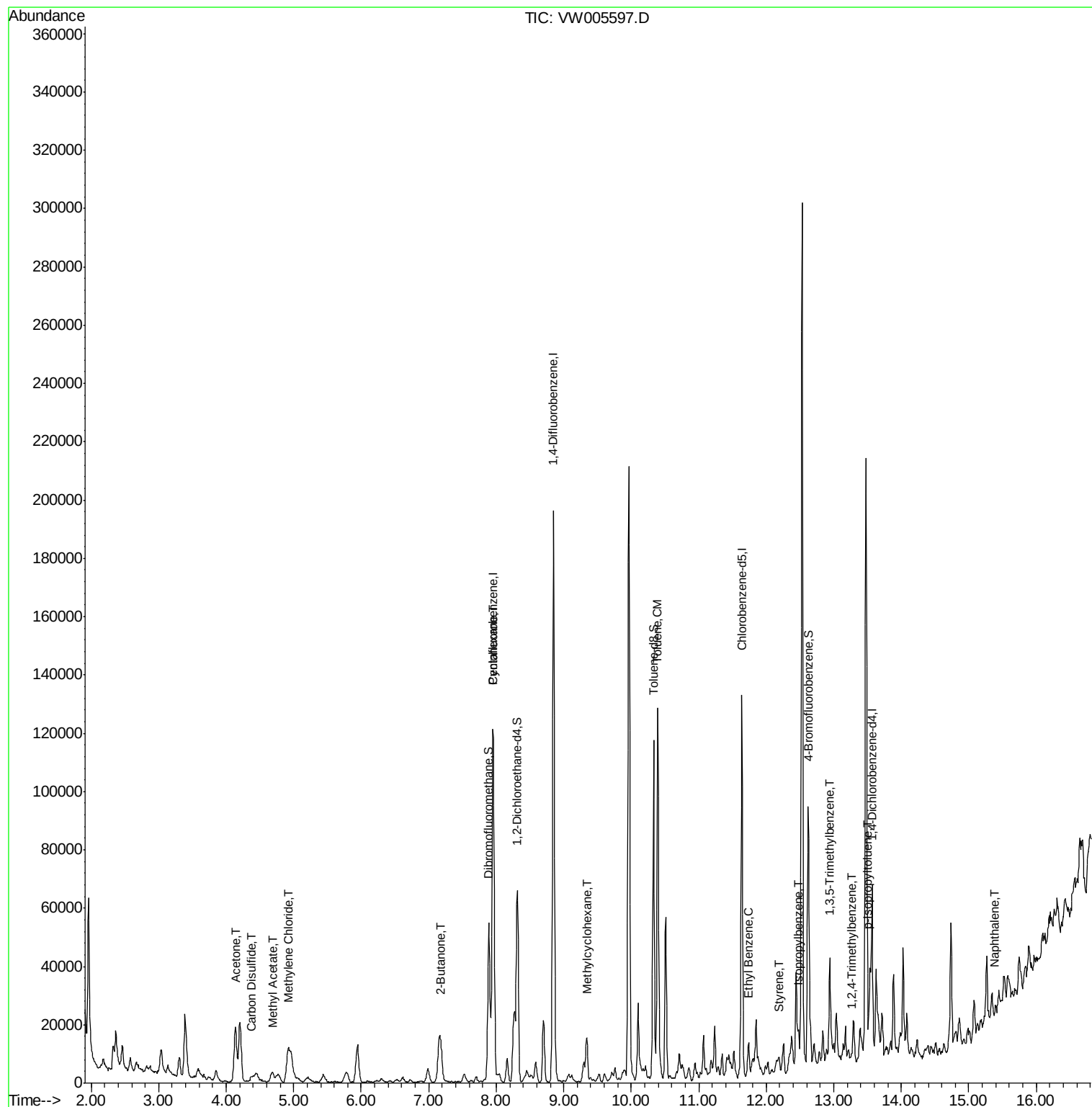
						Qvalue
16) Acetone	4.14	43	35486	224.320	ug/l	95
17) Carbon Disulfide	4.38	76	3942	1.629	ug/l #	79
18) Methyl Acetate	4.68	43	7310	15.393	ug/l	91
20) Methylene Chloride	4.92	84	7946	5.663	ug/l	96
25) 2-Butanone	7.18	43	15545	63.880	ug/l #	87
31) Cyclohexane	7.96	56	5394	3.473	ug/l #	68
39) Methylcyclohexane	9.34	83	4968	2.682	ug/l	96
52) Toluene	10.40	92	51946	18.714	ug/l	96
67) Ethyl Benzene	11.74	91	4561	1.683	ug/l	98
70) Styrene	12.19	104	2549	1.579	ug/l	96
73) Isopropylbenzene	12.48	105	1650	1.654	ug/l	88
80) 1,3,5-Trimethylbenzene	12.95	105	1530	1.764	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1912	2.184	ug/l	95
86) p-Isopropyltoluene	13.51	119	4768	5.033	ug/l #	50
95) Naphthalene	15.38	128	1454	2.871	ug/l #	75

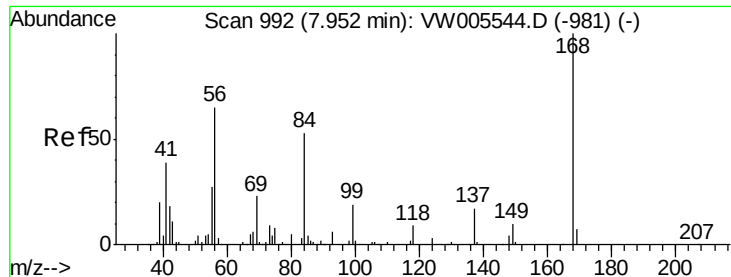
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

Instrument :

MSVOA_W

ClientSampled :

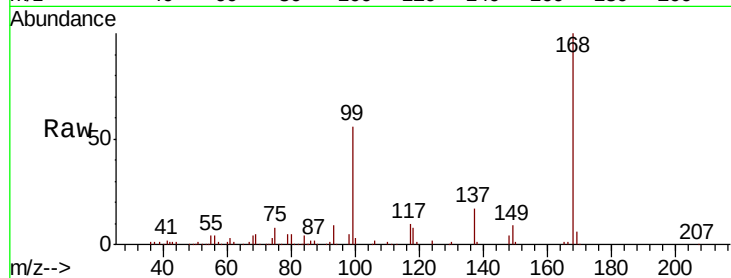
NS-SLUDGE

Tot Ion:168 Resp: 85049

Ion Ratio Lower Upper

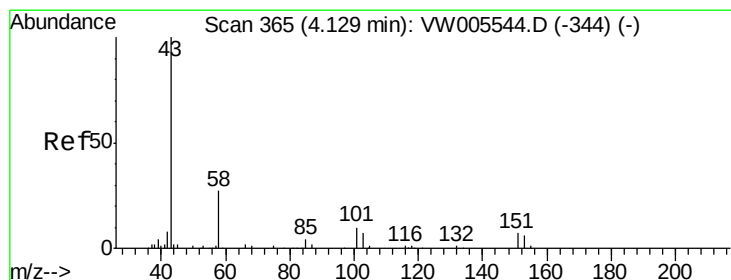
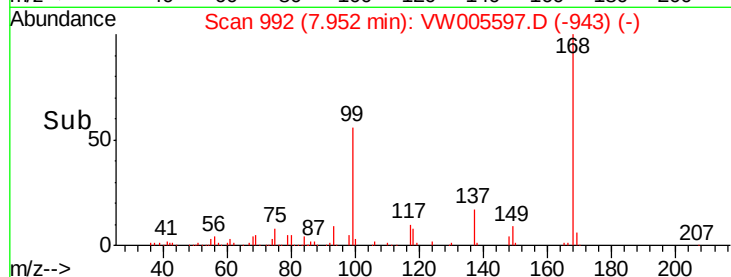
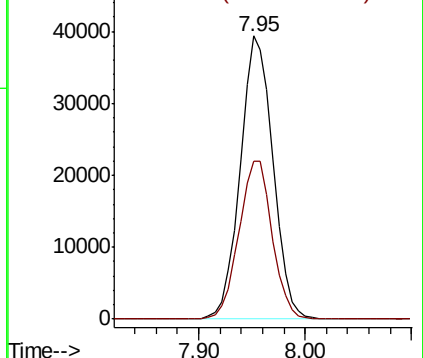
168 100

99 55.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 224.320 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005597.D

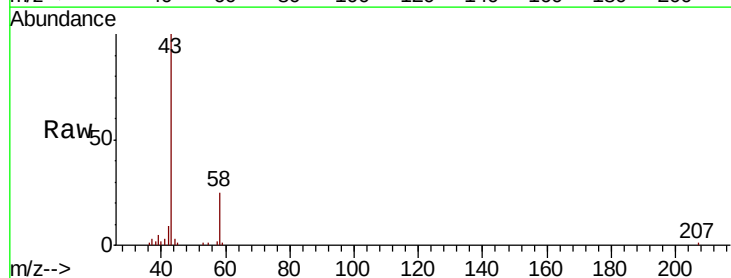
Acq: 24 Sep 2018 20:31

Tgt Ion: 43 Resp: 35486

Ion Ratio Lower Upper

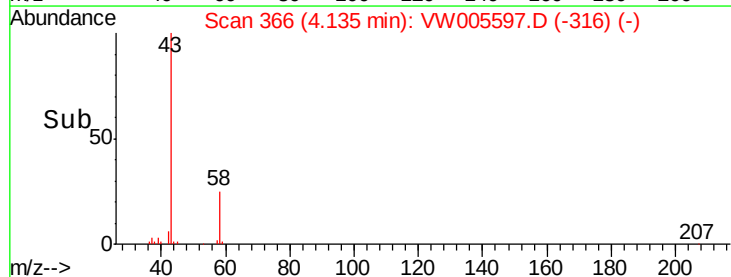
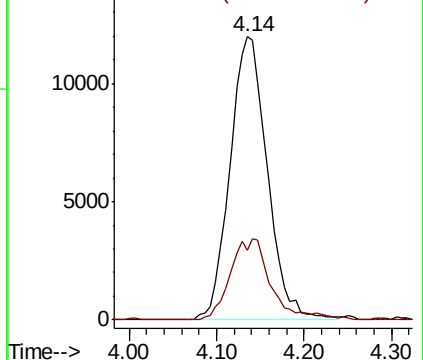
43 100

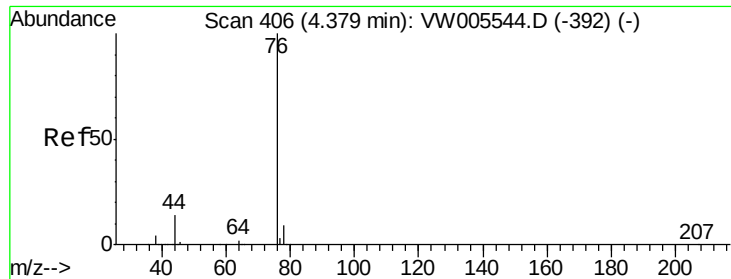
58 24.7 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

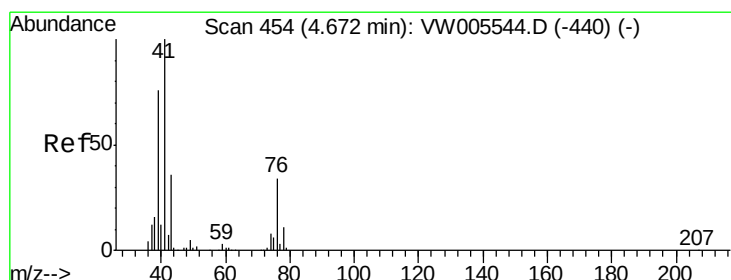
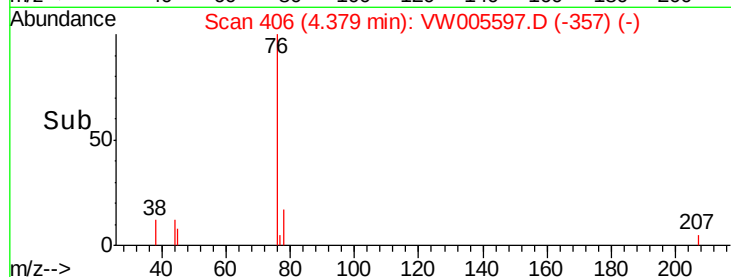
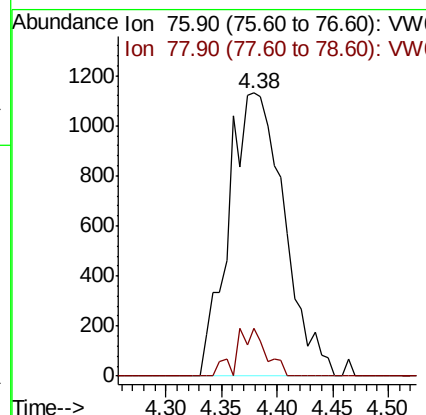
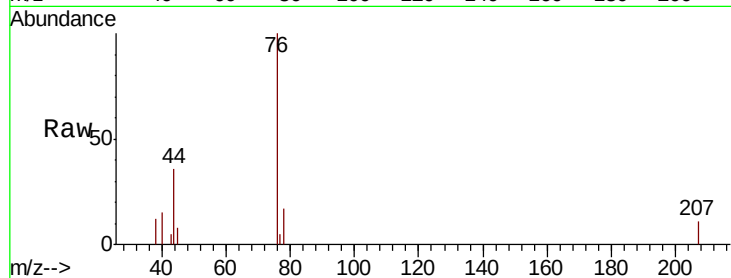




#17
Carbon Disulfide
Concen: 1.629 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW005597.D
Acq: 24 Sep 2018 20:31

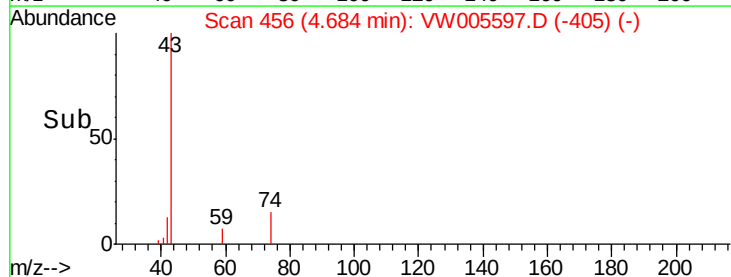
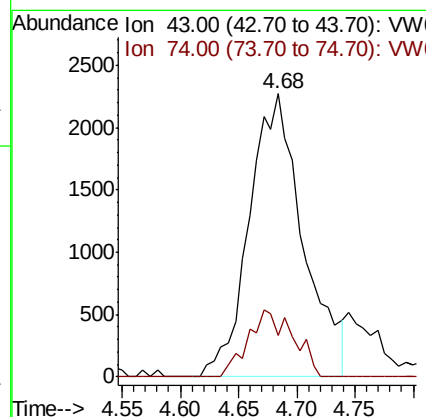
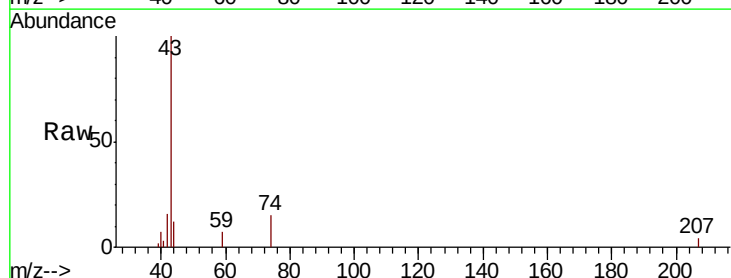
Instrument :
MSVOA_W
ClientSampled :
NS-SLUDGE

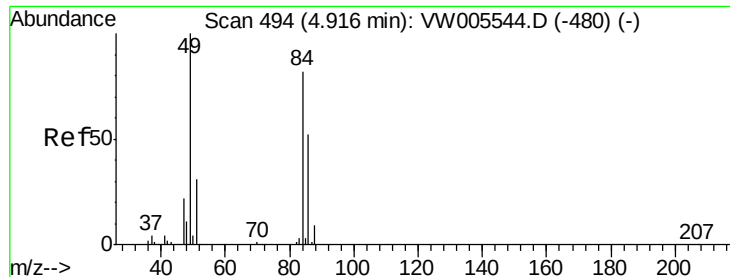
Tot Ion: 76 Resp: 3942
Ion Ratio Lower Upper
76 100
78 16.8 7.4 11.0#



#18
Methyl Acetate
Concen: 15.393 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005597.D
Acq: 24 Sep 2018 20:31

Tgt Ion: 43 Resp: 7310
Ion Ratio Lower Upper
43 100
74 19.8 19.2 28.8

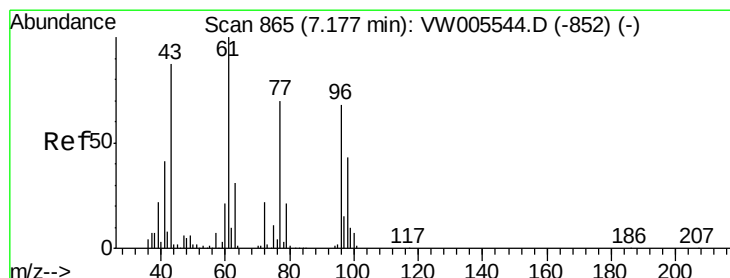
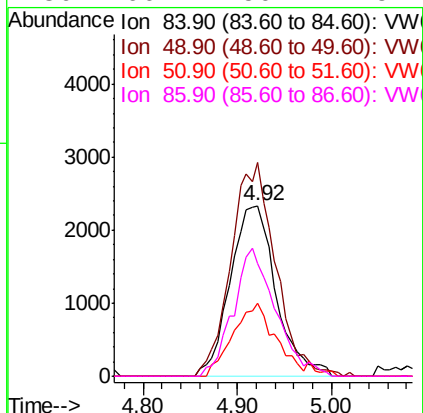
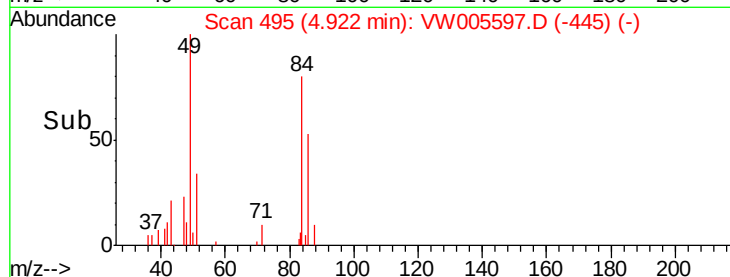
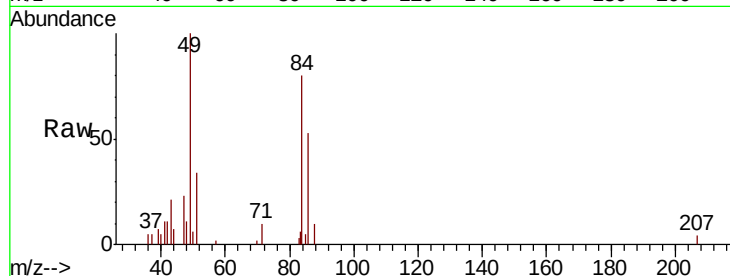




#20
Methylene Chloride
Concen: 5.663 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005597.D
Acq: 24 Sep 2018 20:31

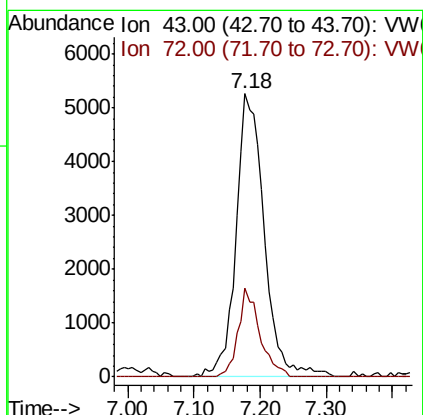
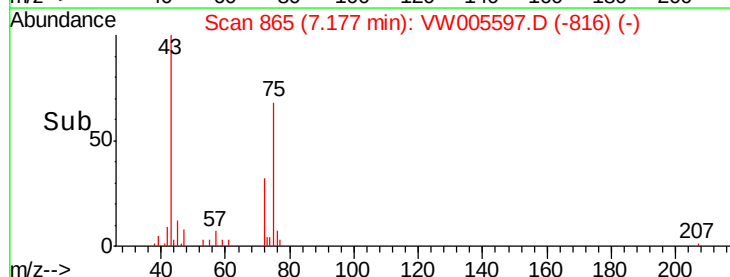
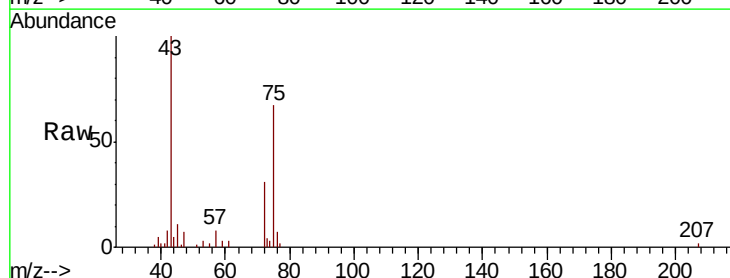
Instrument :
MSVOA_W
ClientSampled :
NS-SLUDGE

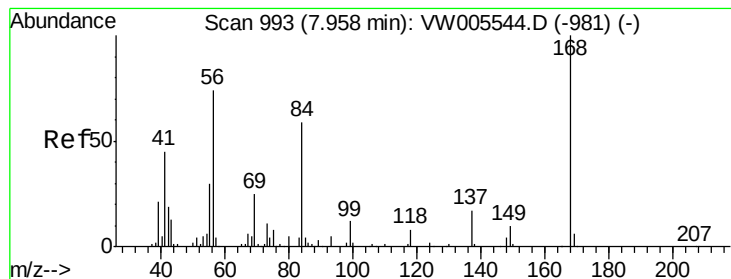
Tot Ion: 84 Resp: 7946
Ion Ratio Lower Upper
84 100
49 125.0 97.0 145.6
51 42.5 30.2 45.2
86 66.1 50.2 75.4



#25
2-Butanone
Concen: 63.880 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW005597.D
Acq: 24 Sep 2018 20:31

Tgt Ion: 43 Resp: 15545
Ion Ratio Lower Upper
43 100
72 31.2 19.9 29.9#





#31

Cyclohexane

Concen: 3.473 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

Instrument :

MSVOA_W

ClientSampleId :

NS-SLUDGE

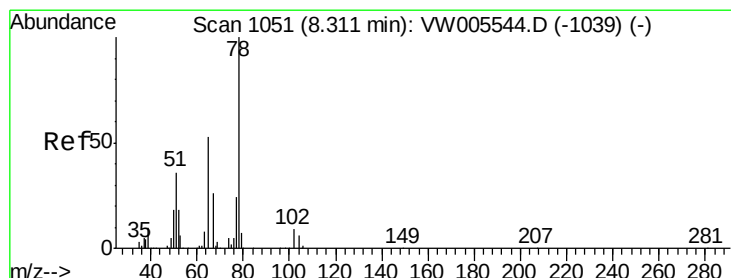
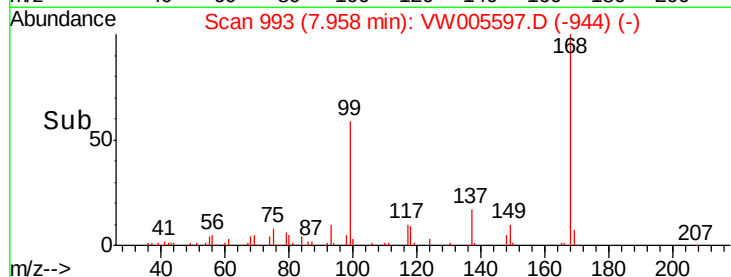
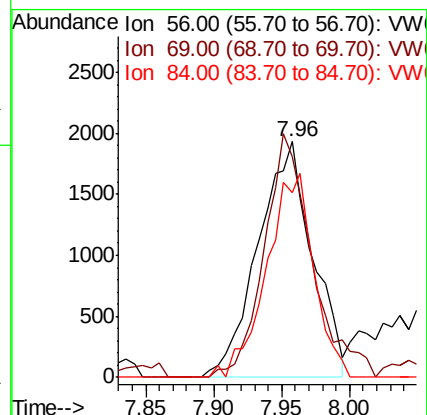
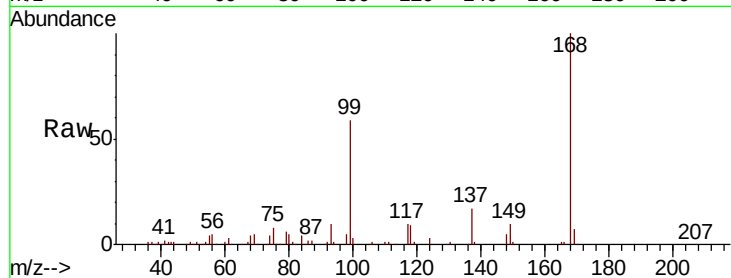
Tot Ion: 56 Resp: 5394

Ion Ratio Lower Upper

56 100

69 93.7 27.0 40.4#

84 78.6 64.2 96.4



#33

1,2-Dichloroethane-d4

Concen: 55.165 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005597.D

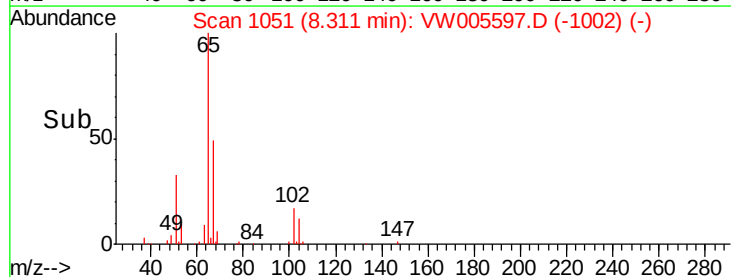
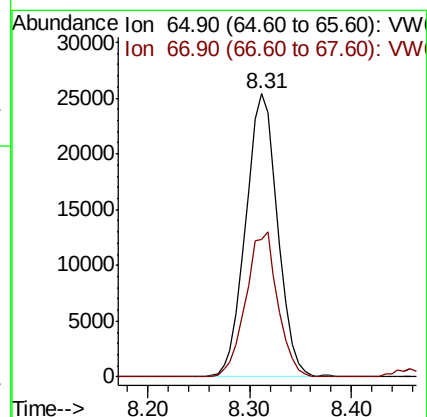
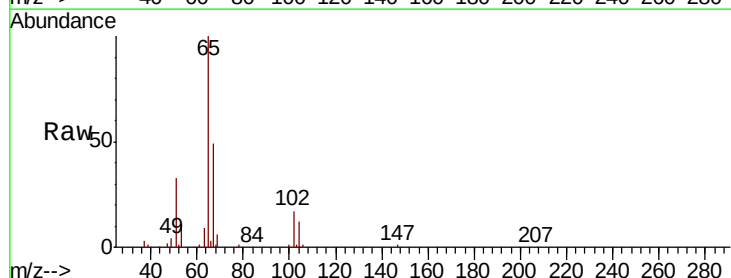
Acq: 24 Sep 2018 20:31

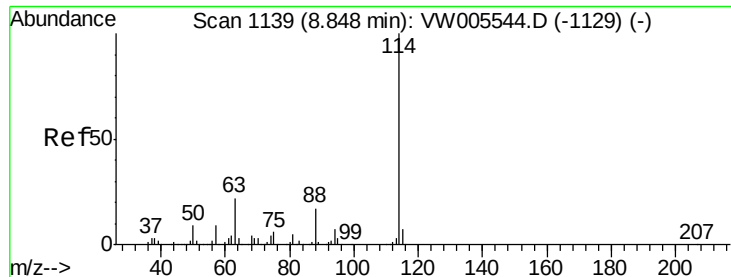
Tgt Ion: 65 Resp: 55272

Ion Ratio Lower Upper

65 100

67 51.4 0.0 100.6

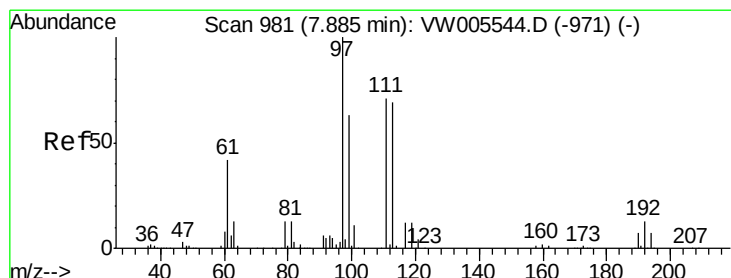
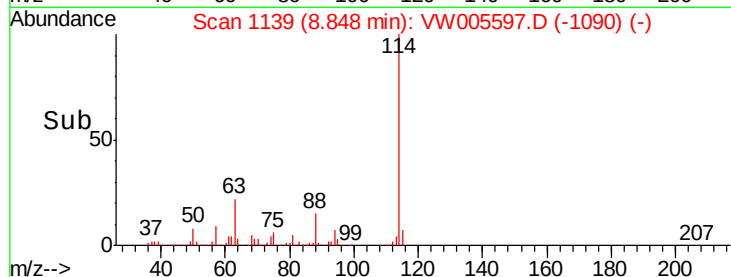
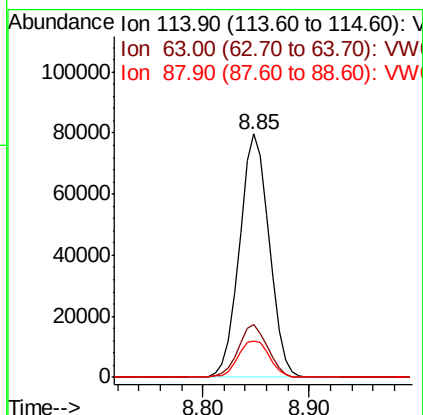
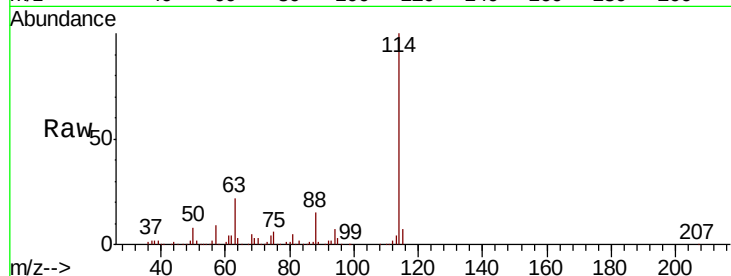




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005597.D
 Acq: 24 Sep 2018 20:31

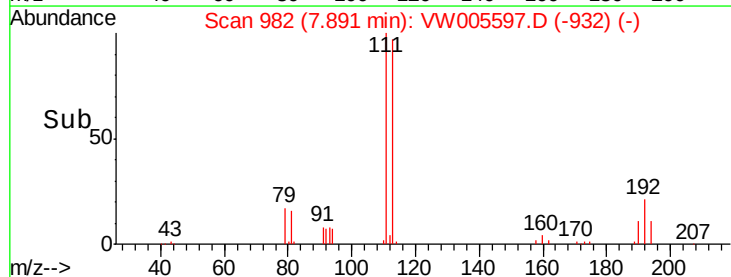
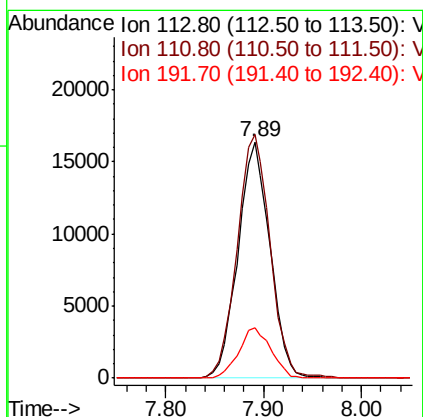
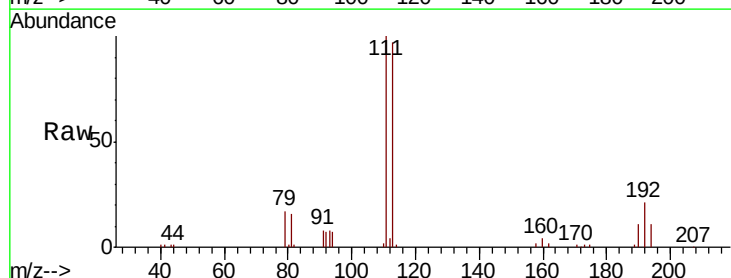
Instrument :
 MSVOA_W
 ClientSampleId :
 NS-SLUDGE

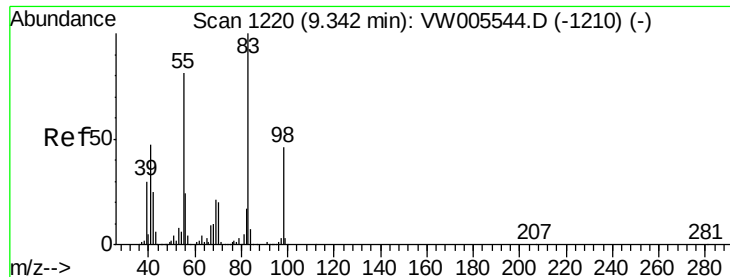
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.0
88	15.1	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 37.850 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005597.D
 Acq: 24 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.4	82.6	123.8
192	21.4	17.0	25.4

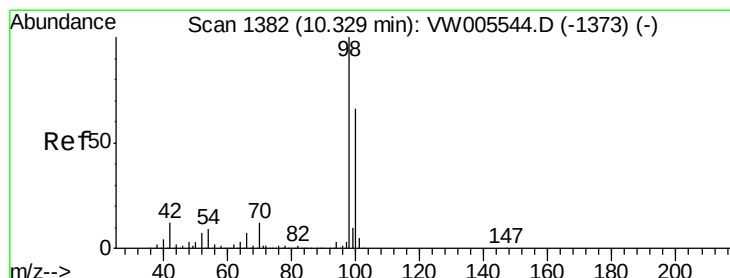
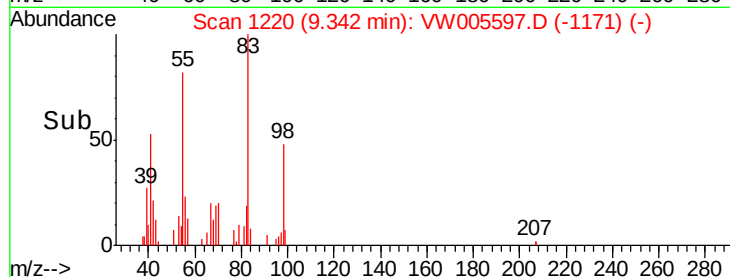
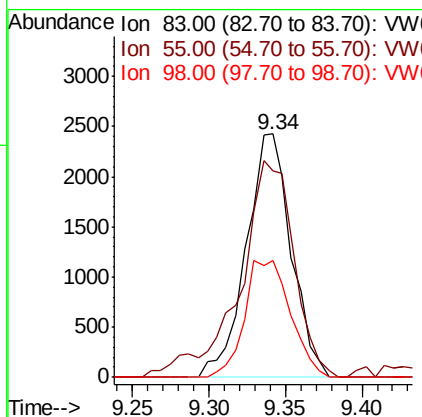
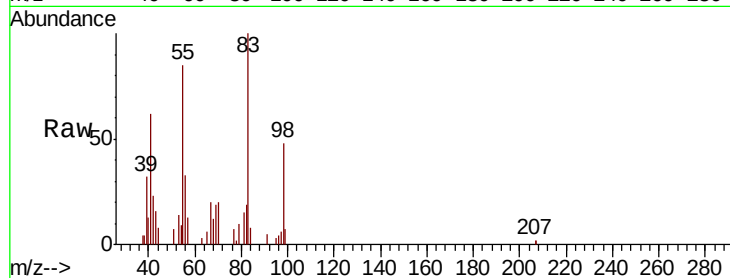




#39
Methvlcvclohexane
Concen: 2.682 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005597.D
Acq: 24 Sep 2018 20:31

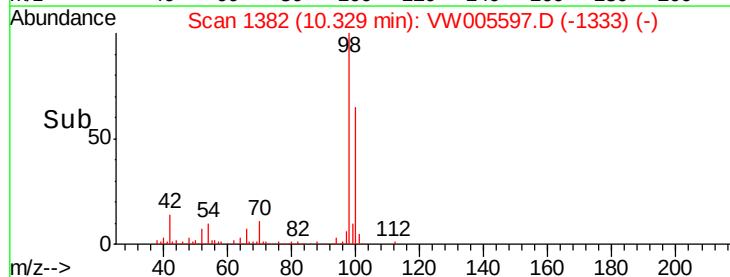
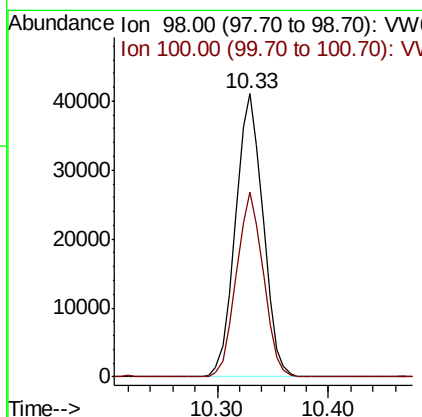
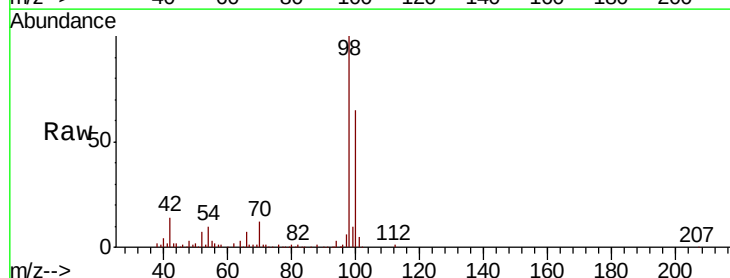
Instrument :
MSVOA_W
ClientSampled :
NS-SLUDGE

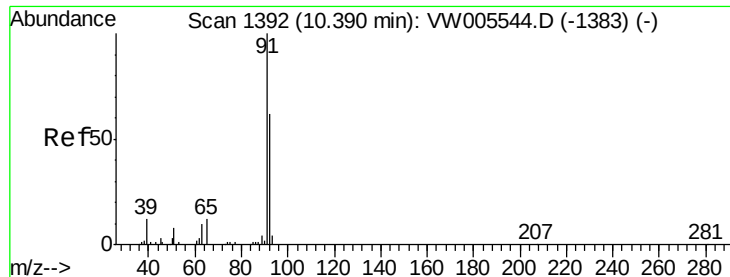
Tot Ion: 83 Resp: 4968
Ion Ratio Lower Upper
83 100
55 85.0 64.6 97.0
98 47.9 37.0 55.6



#50
Toluene-d8
Concen: 17.600 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005597.D
Acq: 24 Sep 2018 20:31

Tgt Ion: 98 Resp: 70291
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4





#52

Toluene

Concen: 18.714 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

Instrument :

MSVOA_W

ClientSampleId :

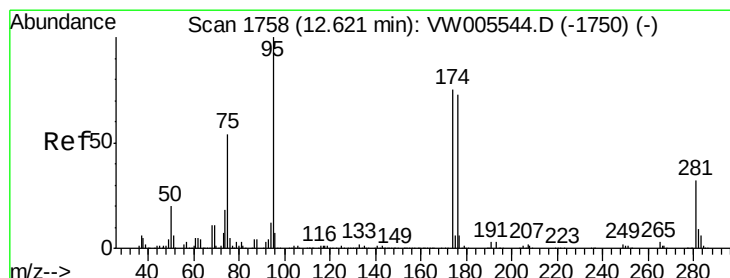
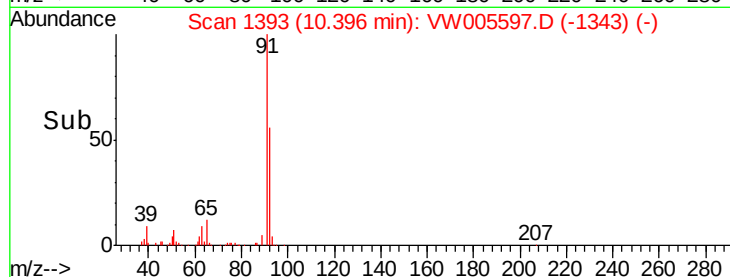
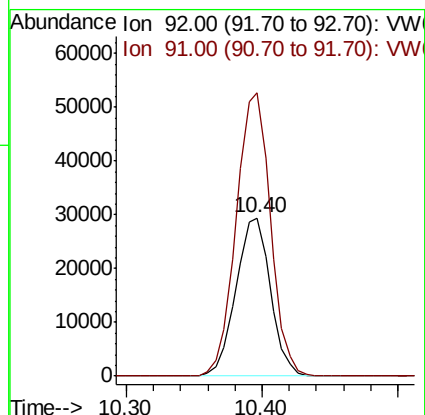
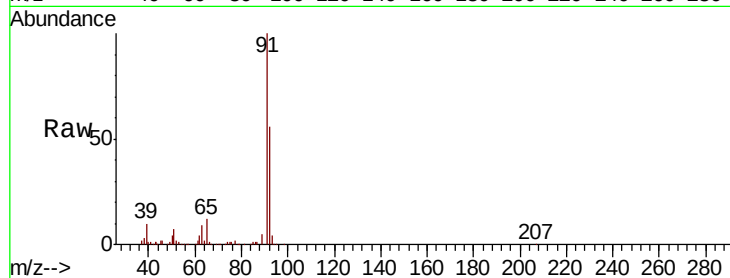
NS-SLUDGE

Tot Ion: 92 Resp: 51946

Ion Ratio Lower Upper

92 100

91 177.5 137.1 205.7



#62

4-Bromofluorobenzene

Concen: 10.265 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

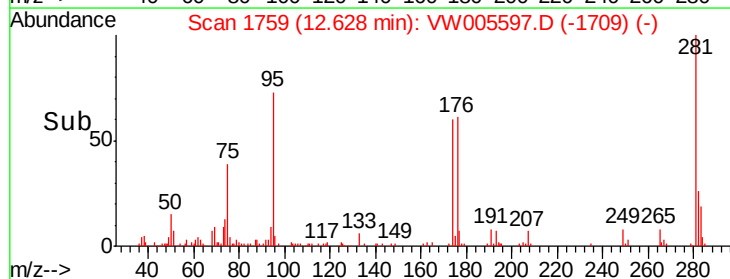
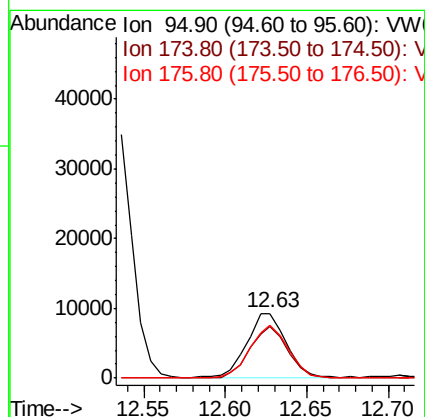
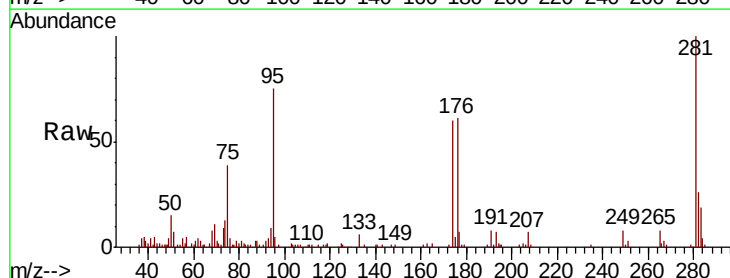
Tgt Ion: 95 Resp: 15169

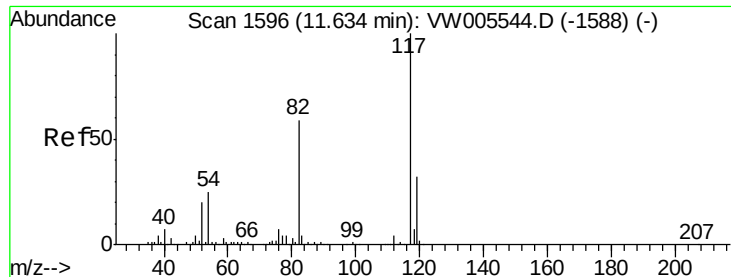
Ion Ratio Lower Upper

95 100

174 78.9 0.0 163.8

176 81.5 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

Instrument :

MSVOA_W

ClientSampleId :

NS-SLUDGE

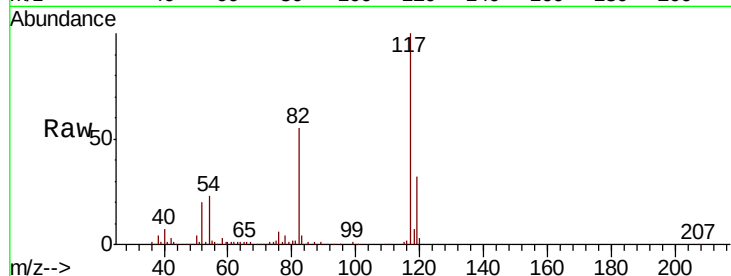
Tot Ion:117 Resp: 71939

Ion Ratio Lower Upper

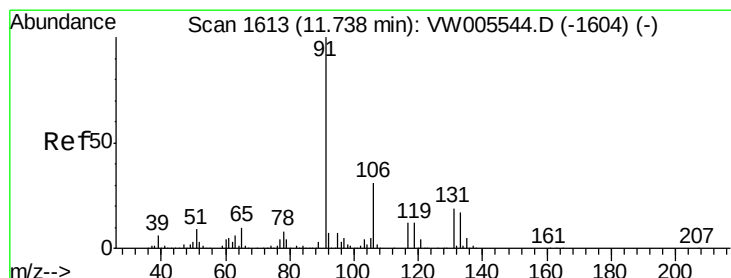
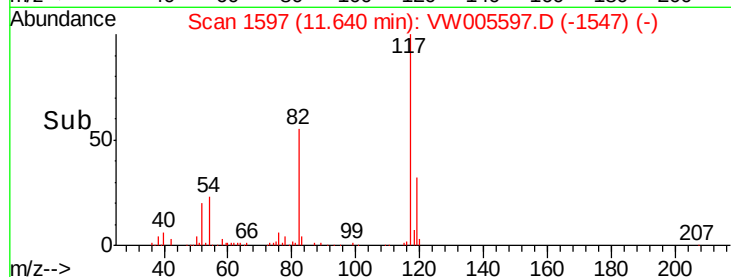
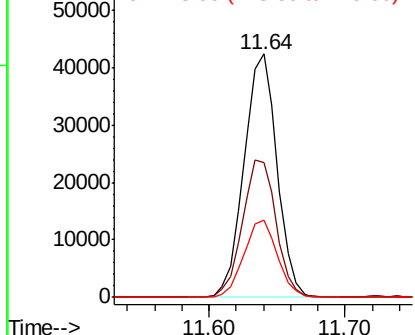
117 100

82 55.3 46.9 70.3

119 31.8 25.7 38.5



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



#67

Ethyl Benzene

Concen: 1.683 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005597.D

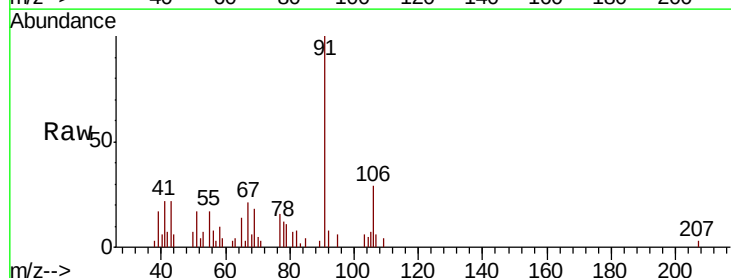
Acq: 24 Sep 2018 20:31

Tgt Ion: 91 Resp: 4561

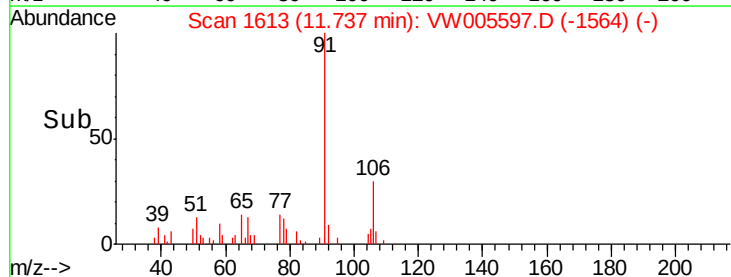
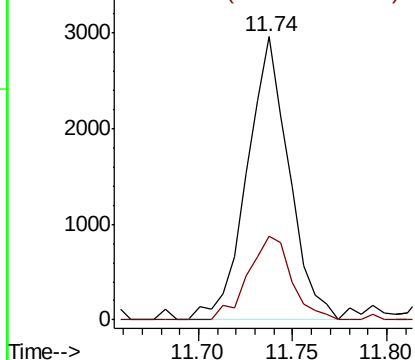
Ion Ratio Lower Upper

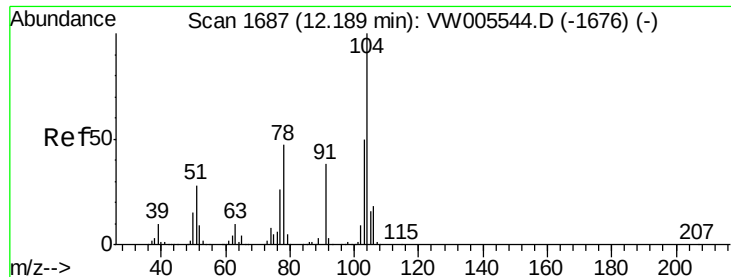
91 100

106 29.4 24.4 36.6



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





#70

Stvrene

Concen: 1.579 ug/l

RT: 12.19 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

Instrument :

MSVOA_W

ClientSampled :

NS-SLUDGE

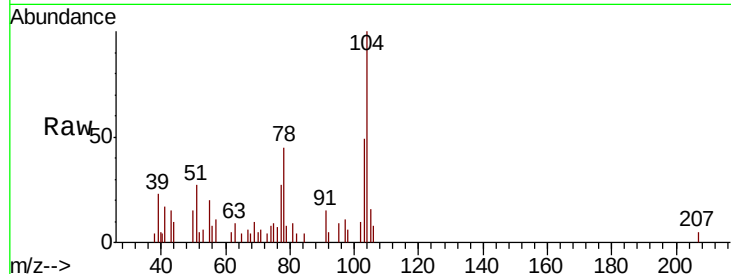
Tot Ion:104 Resp: 2549

Ion Ratio Lower Upper

104 100

78 51.1 42.2 63.4

103 51.6 44.6 66.8

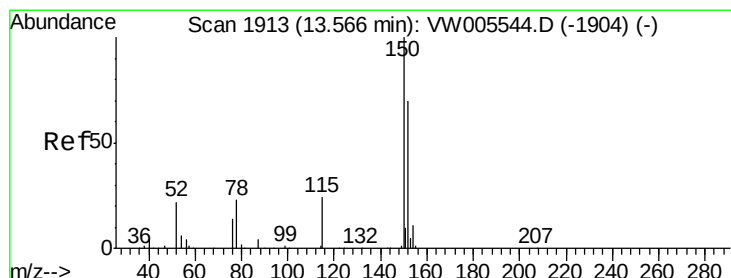
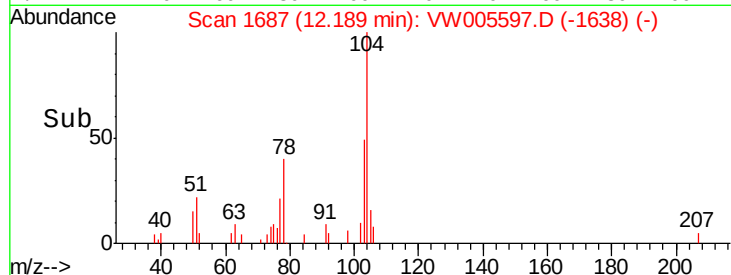
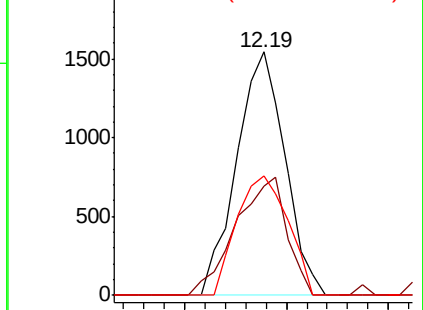


Abundance

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: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

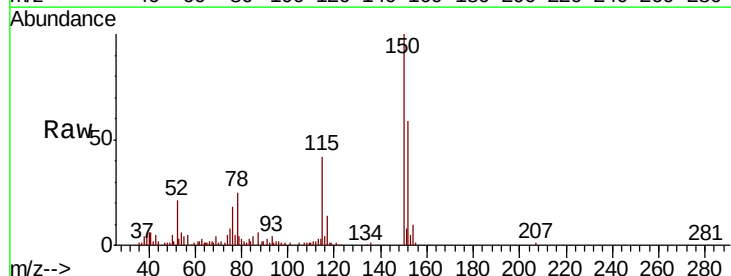
Tgt Ion:152 Resp: 14385

Ion Ratio Lower Upper

152 100

115 66.1 30.0 90.0

150 161.0 0.0 348.6

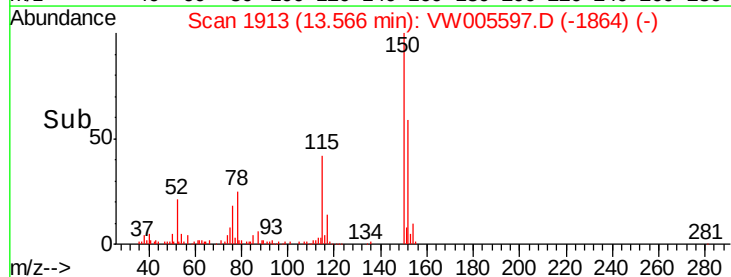
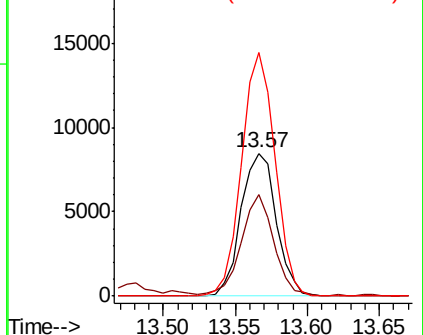


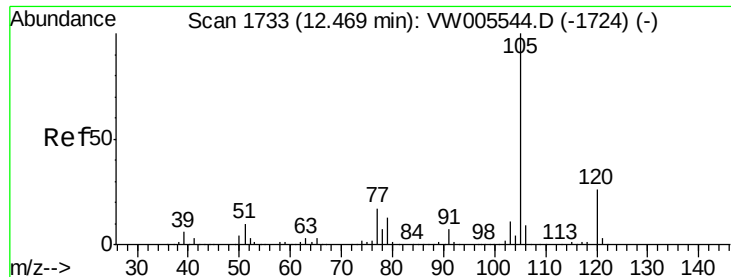
Abundance

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: 1.654 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

Instrument :

MSVOA_W

ClientSampled :

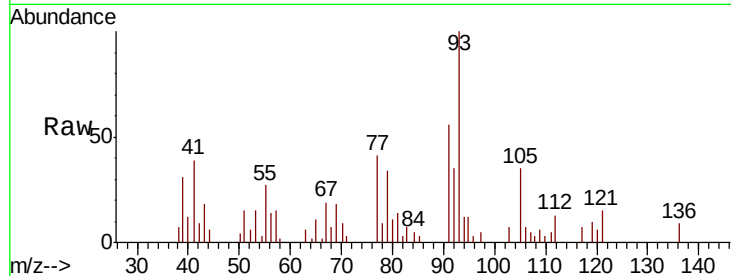
NS-SLUDGE

Tot Ion:105 Resp: 1650

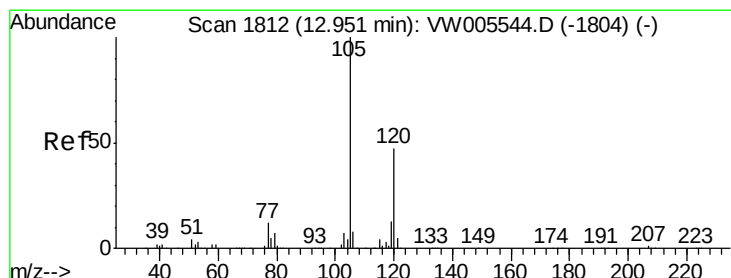
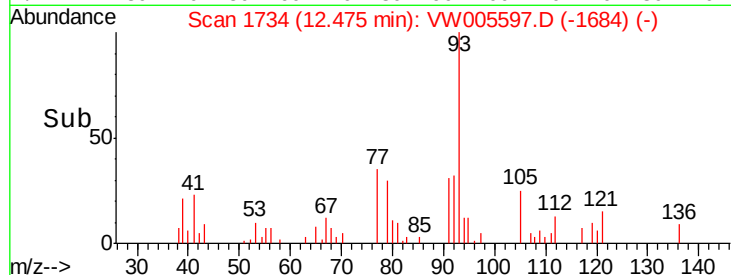
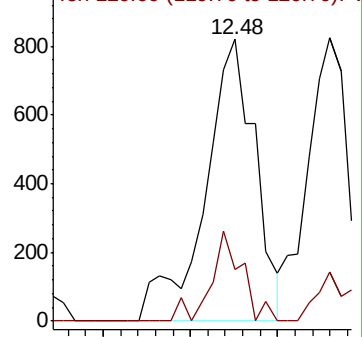
Ion Ratio Lower Upper

105 100

120 19.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.764 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005597.D

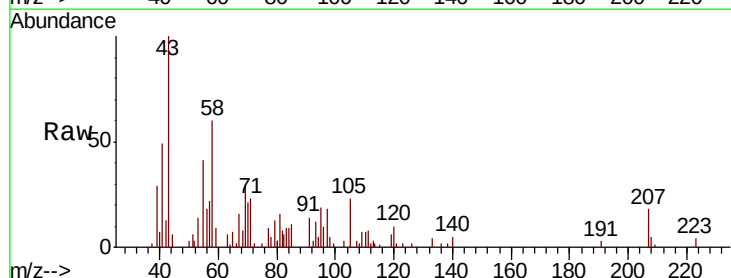
Acq: 24 Sep 2018 20:31

Tgt Ion:105 Resp: 1530

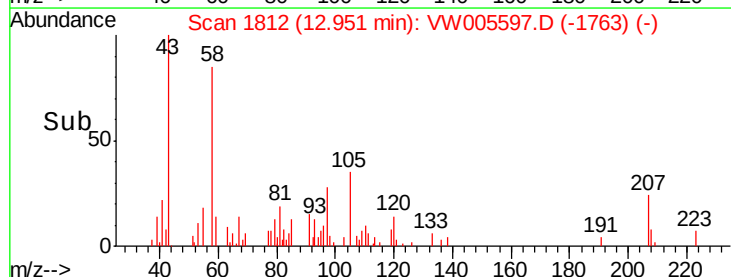
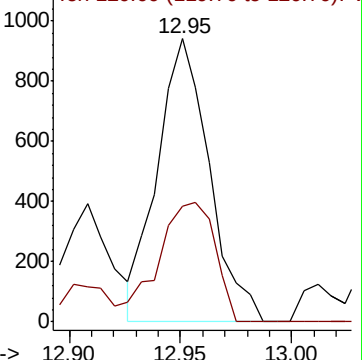
Ion Ratio Lower Upper

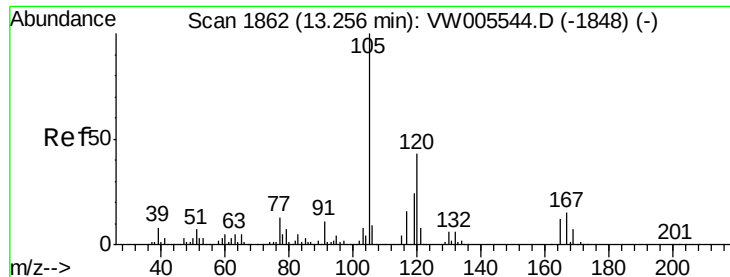
105 100

120 46.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

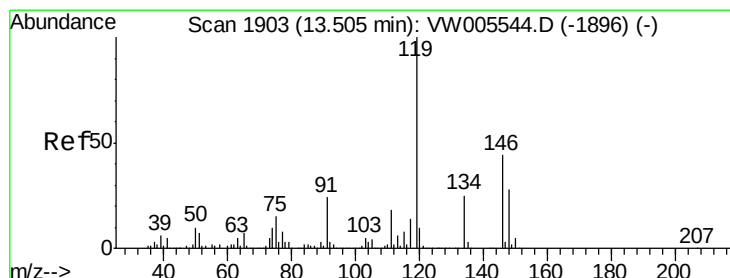
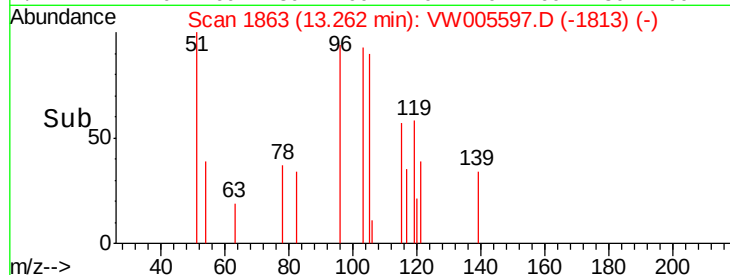
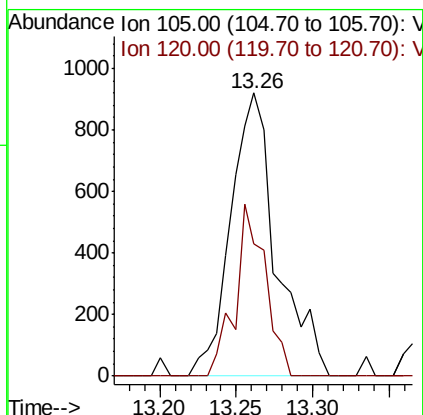
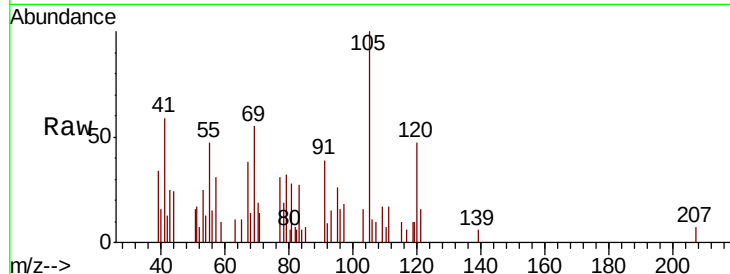




#84
 1,2,4-Trimethylbenzene
 Concen: 2.184 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW005597.D
 Acq: 24 Sep 2018 20:31

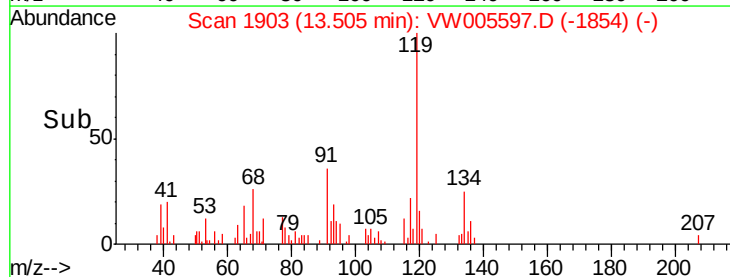
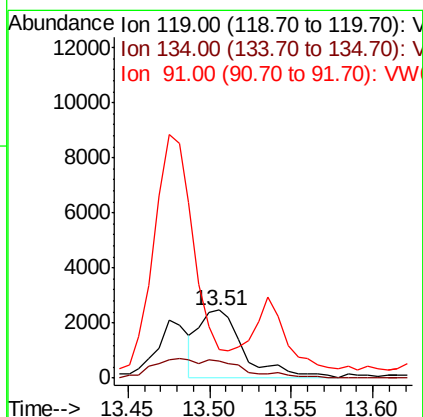
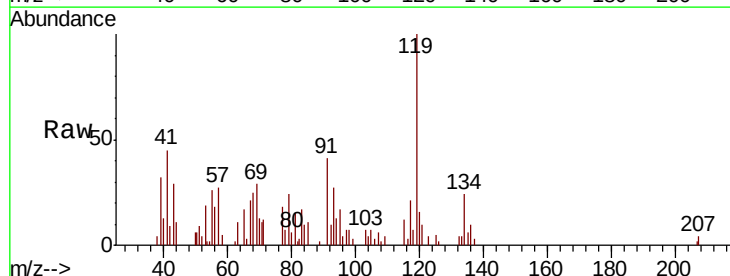
Instrument :
 MSVOA_W
 ClientSampleId :
 NS-SLUDGE

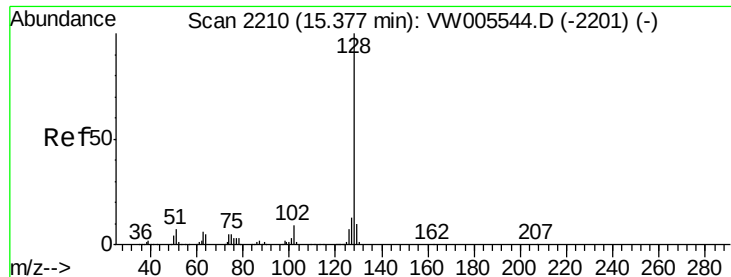
Tot Ion:105 Resp: 1912
 Ion Ratio Lower Upper
 105 100
 120 39.9 21.5 64.5



#86
 p-Isopropyltoluene
 Concen: 5.033 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005597.D
 Acq: 24 Sep 2018 20:31

Tgt Ion:119 Resp: 4768
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.7 38.1#
 91 0.0 12.2 36.4#





#95

Naphthalene

Concen: 2.871 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW005597.D

Acq: 24 Sep 2018 20:31

Instrument :

MSVOA_W

ClientSampleId :

NS-SLUDGE

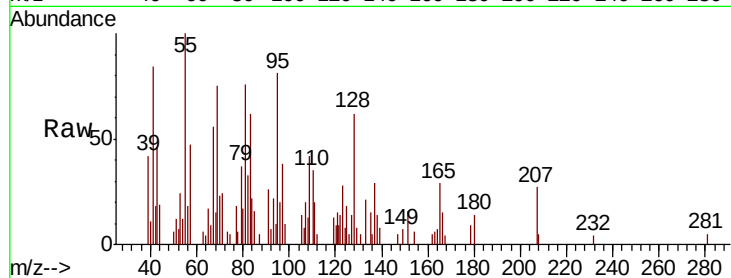
Tot Ion:128 Resp: 1454

Ion Ratio Lower Upper

128 100

127 24.6 10.9 16.3#

129 19.5 8.6 13.0#



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

