

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060220\
 Data File : VY002818.D
 Acq On : 02 Jun 2020 16:11
 Operator : SY/MD
 Sample : L2504-04
 Misc : 5.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EFF-SLUDGE

Quant Time: Jun 03 05:12:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	195669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	313699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	273277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	108627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	92635	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
35) Dibromofluoromethane	7.73	113	94749	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	10.18	98	367054	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.48	95	108094	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	

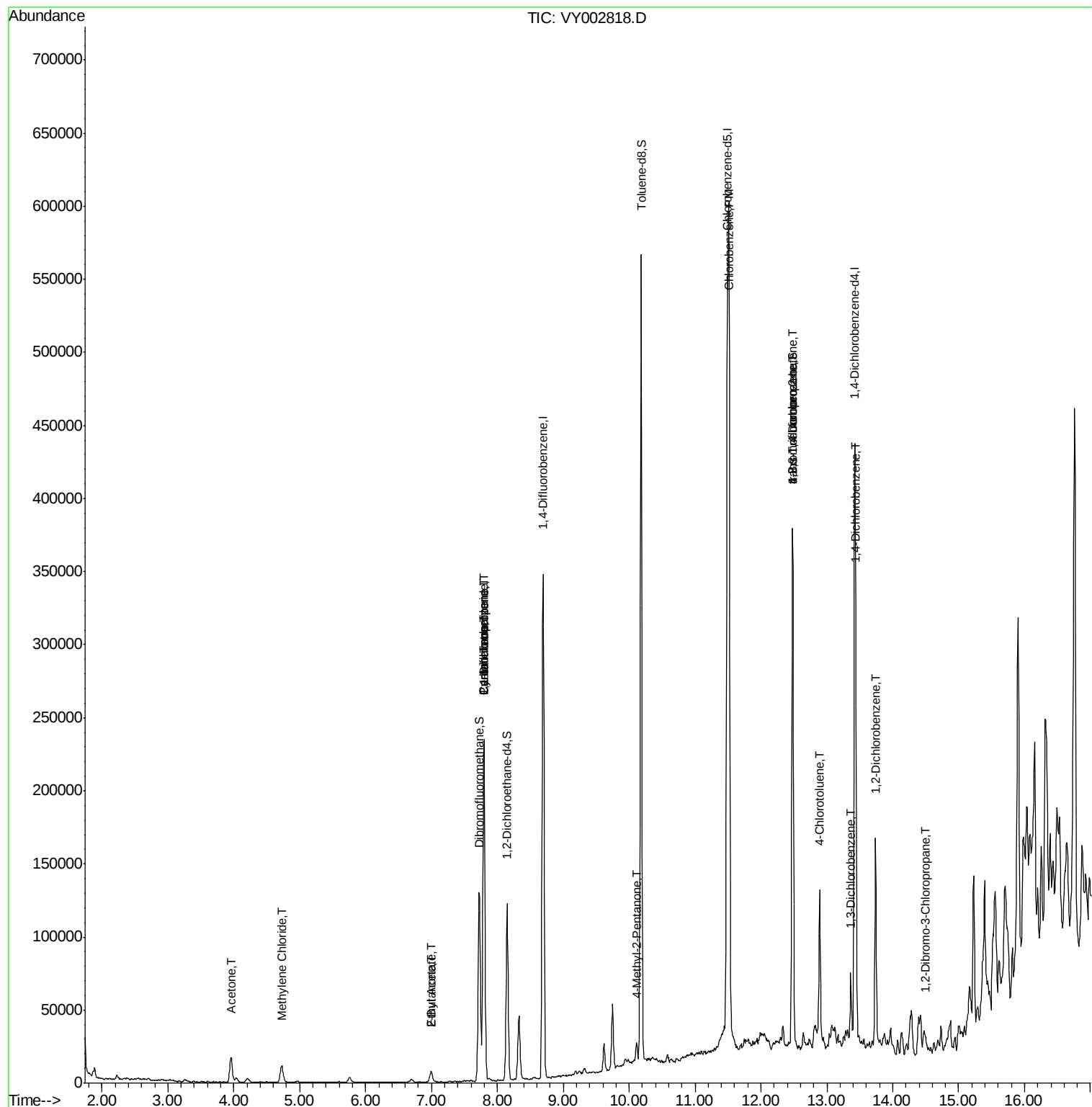
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1123	Below Cal	#	91
16) Acetone	3.96	43	29806	74.818	ug/l	99
18) Methyl Acetate	4.48	43	335	Below Cal		92
20) Methylene Chloride	4.74	84	8816	4.528	ug/l	89
25) 2-Butanone	6.99	43	9347	15.059	ug/l	99
31) Cyclohexane	7.80	56	3375	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	11404	4.316	ug/l #	49
37) Ethyl Acetate	6.99	43	9347	6.501	ug/l #	67
38) Carbon Tetrachloride	7.79	117	16684	5.683	ug/l #	15
51) 4-Methyl-2-Pentanone	10.11	43	1959	1.358	ug/l	97
65) Chlorobenzene	11.52	112	303806	56.247	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	50465	51.558	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	50465	97.135	ug/l #	17
82) 4-Chlorotoluene	12.89	91	13914	2.944	ug/l #	41
87) 1,3-Dichlorobenzene	13.36	146	18897	5.504	ug/l	91
88) 1,4-Dichlorobenzene	13.44	146	65203	18.984	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	50884	16.341	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	460	1.958	ug/l #	1

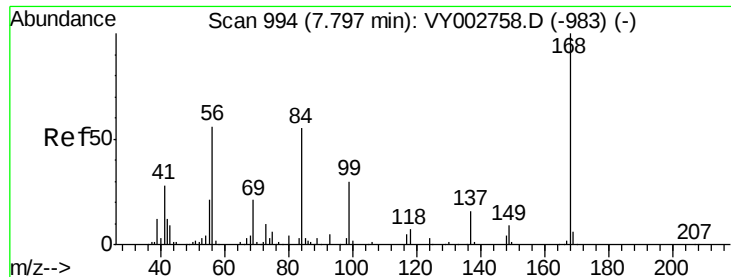
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

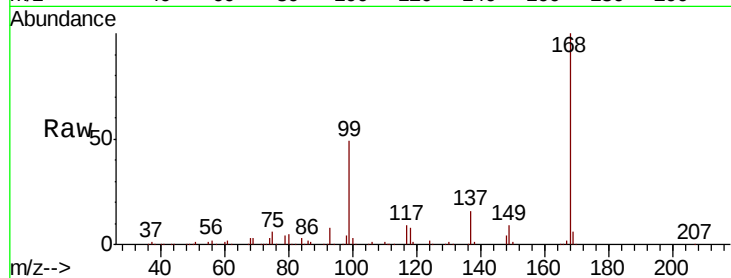
EFF-SLUDGE

Tot Ion:168 Resp: 195669

Ion Ratio Lower Upper

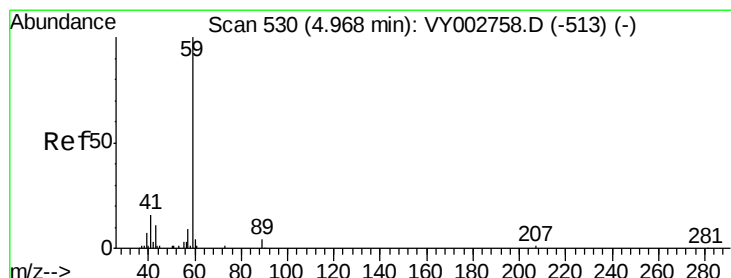
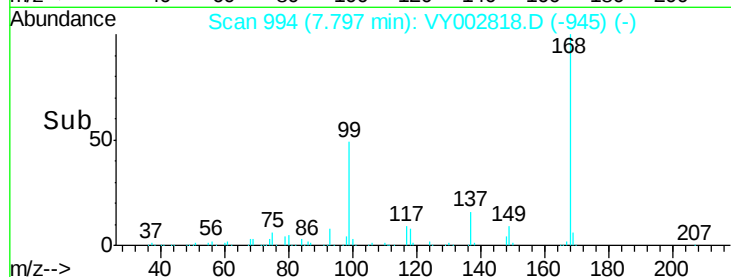
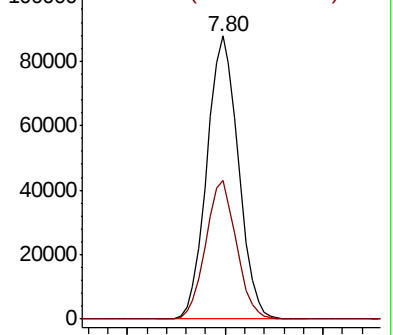
168 100

99 49.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY002818.D

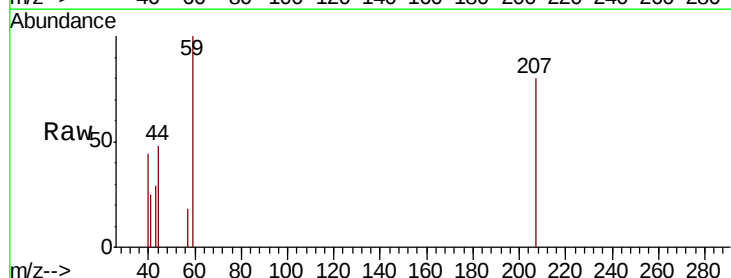
Acq: 02 Jun 2020 16:11

Tgt Ion: 59 Resp: 1123

Ion Ratio Lower Upper

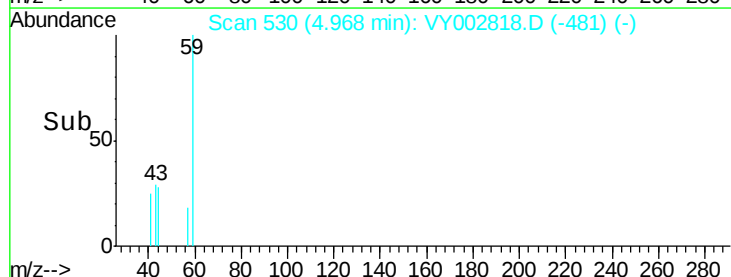
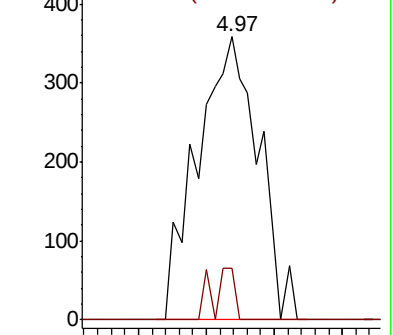
59 100

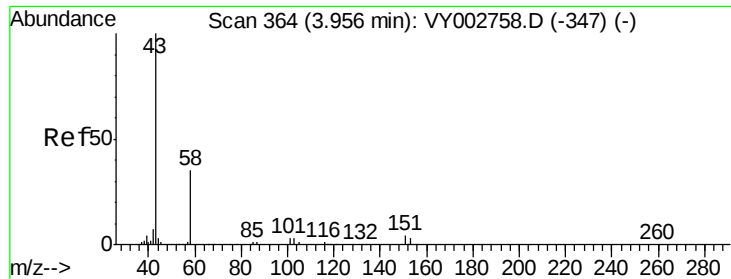
57 6.3 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002758.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002758.D (-513) (-)





#16

Acetone

Concen: 74.818 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

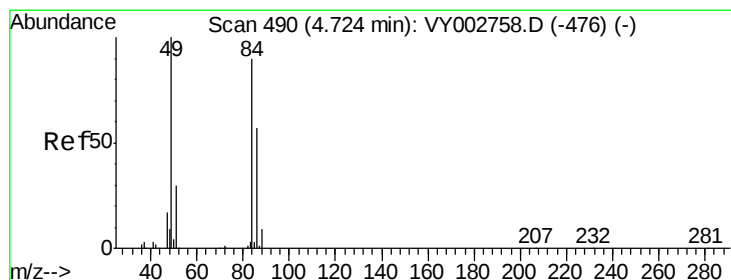
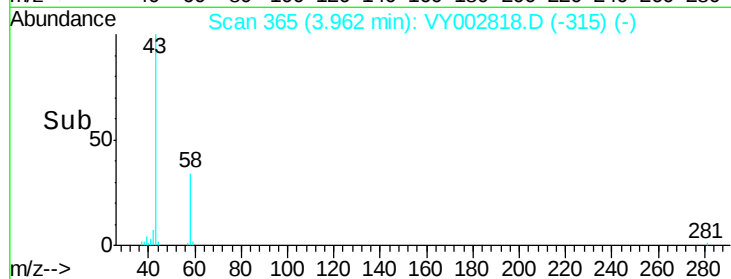
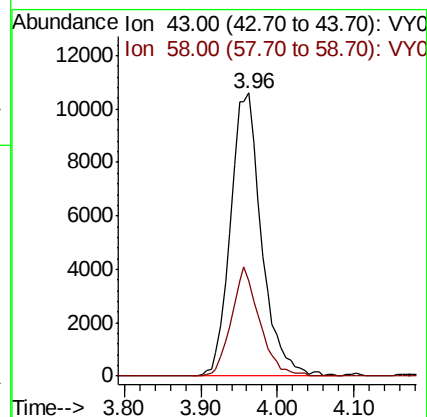
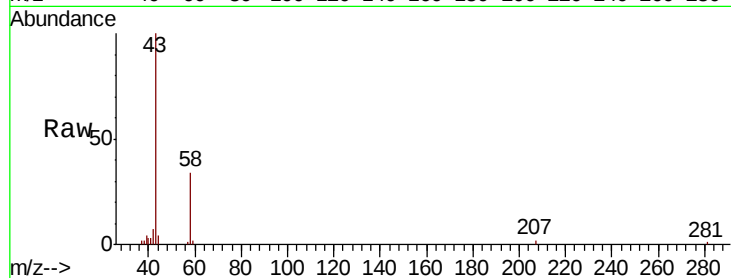
EFF-SLUDGE

Tot Ion: 43 Resp: 29806

Ion Ratio Lower Upper

43 100

58 33.8 27.7 41.5



#20

Methylene Chloride

Concen: 4.528 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.01 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Tgt Ion: 84 Resp: 8816

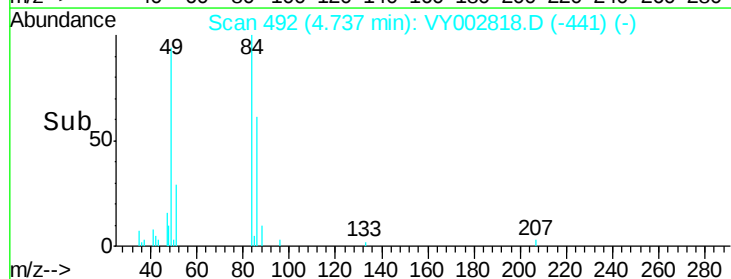
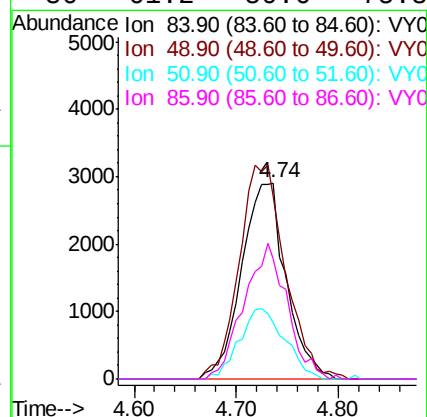
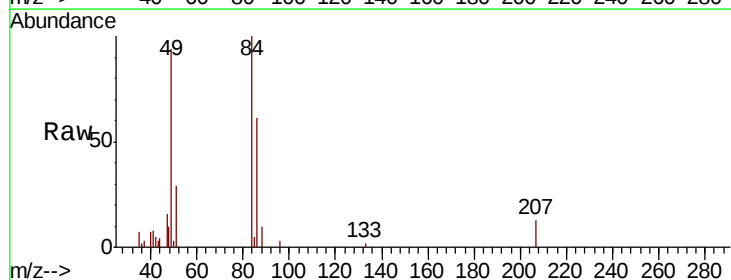
Ion Ratio Lower Upper

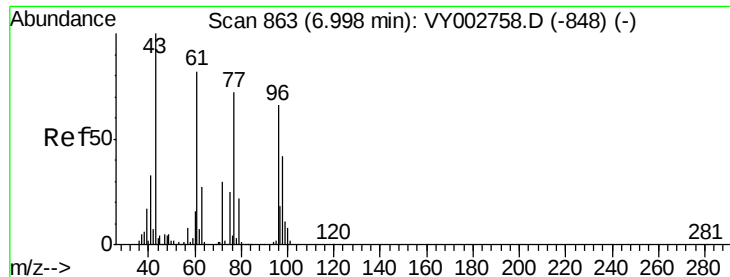
84 100

49 93.5 88.5 132.7

51 28.6 26.8 40.2

86 61.2 50.6 75.8





#25

2-Butanone

Concen: 15.059 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

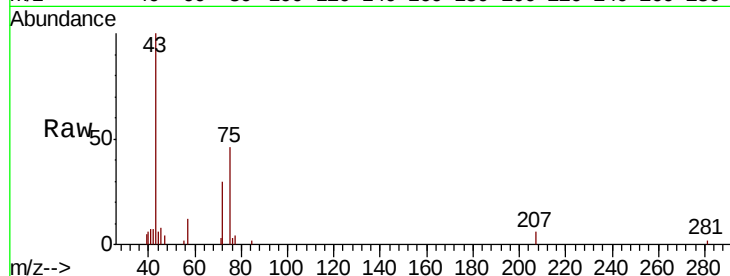
EFF-SLUDGE

Tot Ion: 43 Resp: 9347

Ion Ratio Lower Upper

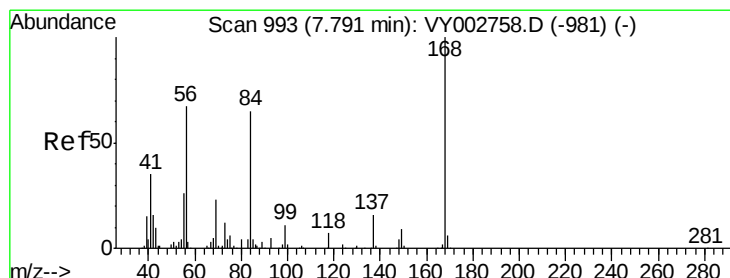
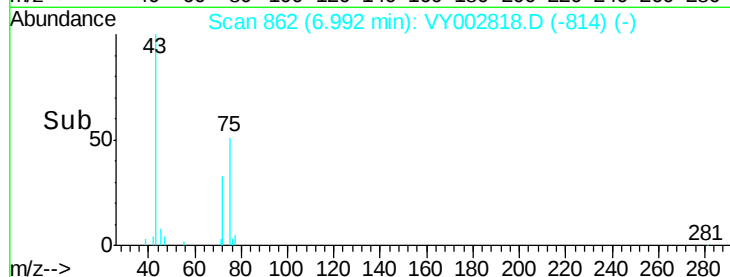
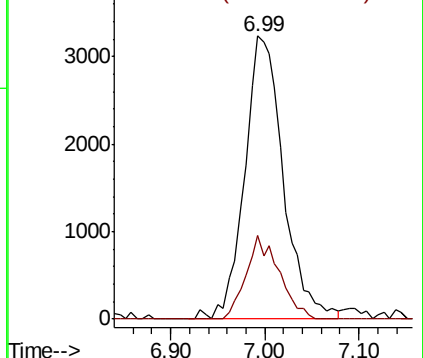
43 100

72 29.5 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

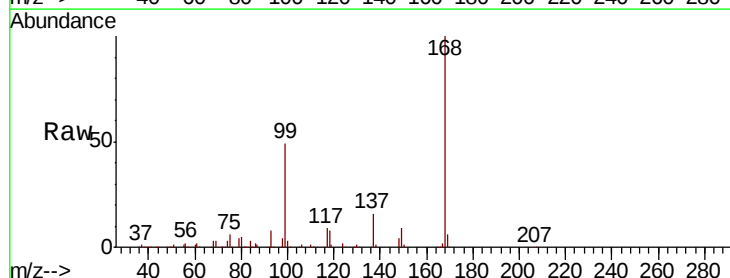
Tgt Ion: 56 Resp: 3375

Ion Ratio Lower Upper

56 100

69 177.0 28.0 42.0#

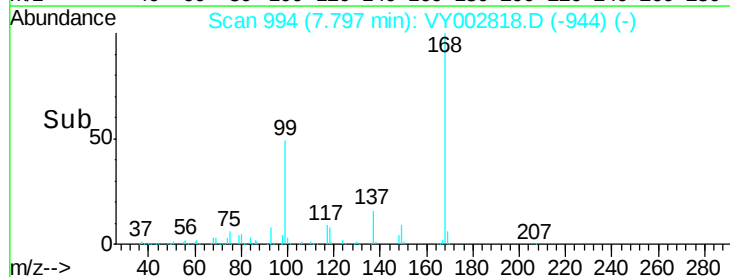
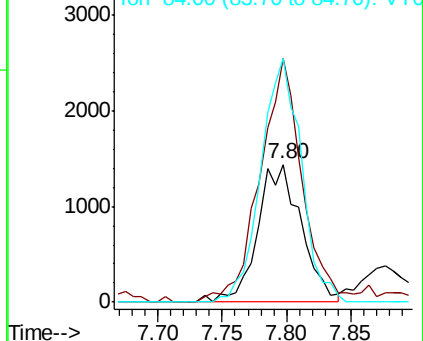
84 176.8 77.7 116.5#

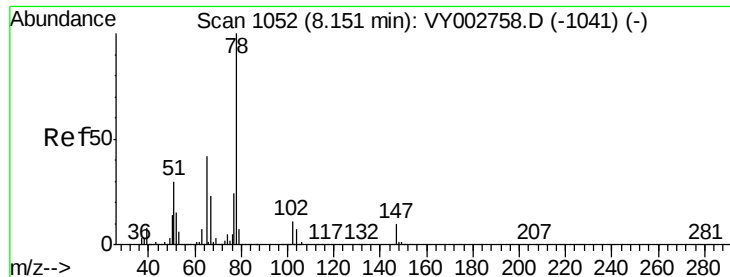


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

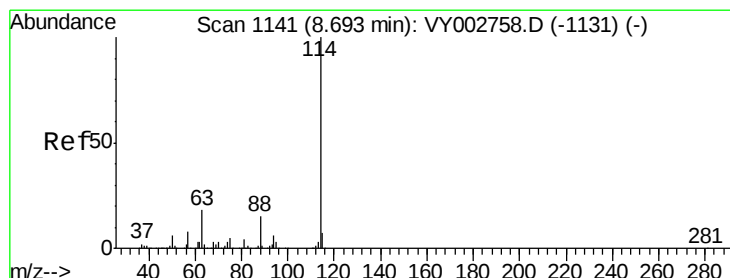
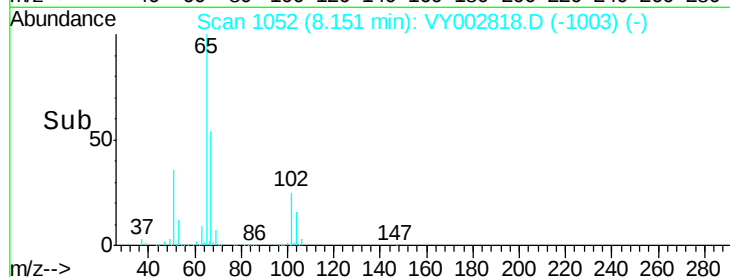
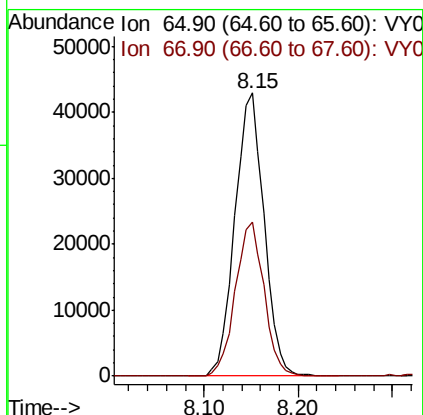
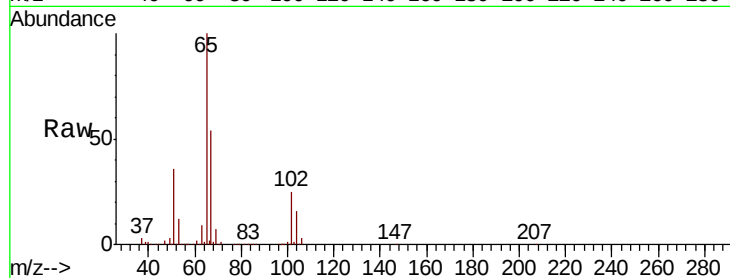




#33
 1,2-Dichloroethane-d4
 Concen: 54.525 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002818.D
 Acq: 02 Jun 2020 16:11

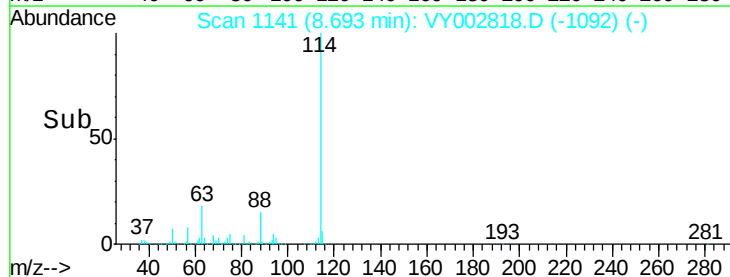
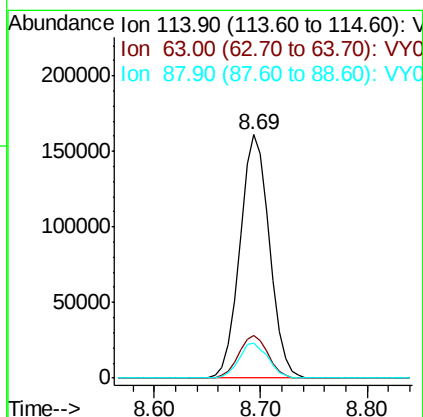
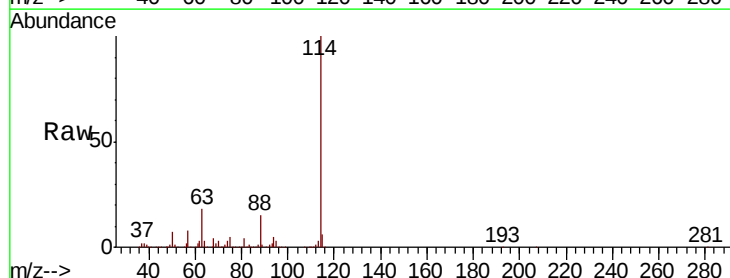
Instrument :
 MSVOA_Y
 ClientSampleId :
 EFF-SLUDGE

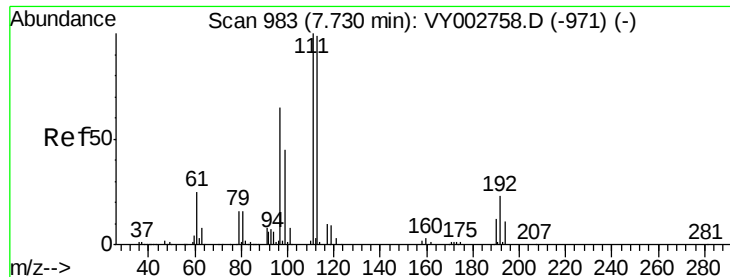
Tot Ion: 65 Resp: 92635
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002818.D
 Acq: 02 Jun 2020 16:11

Tgt Ion: 114 Resp: 313699
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.6 0.0 29.2

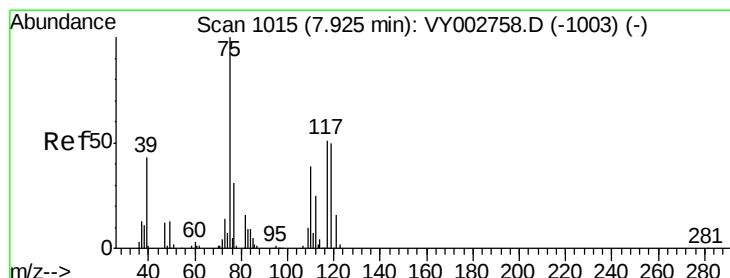
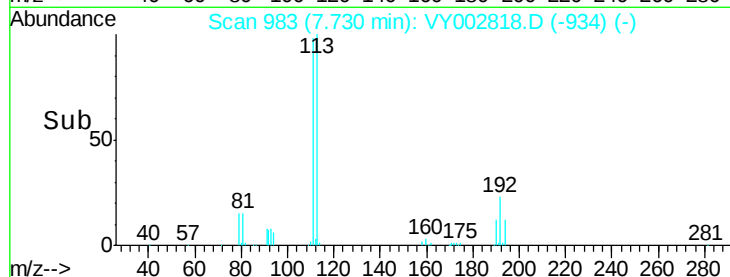
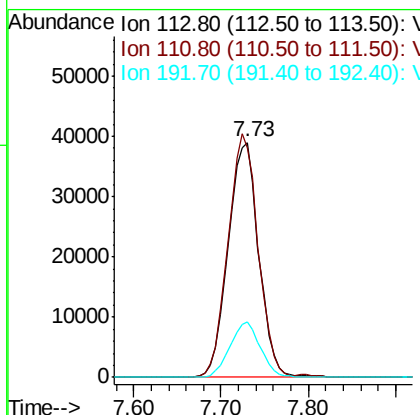
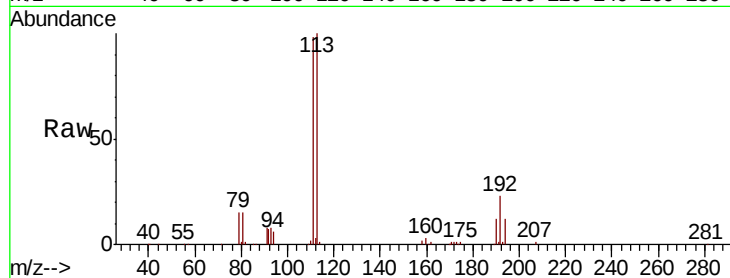




#35
 Dibromofluoromethane
 Concen: 51.538 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY002818.D
 Acq: 02 Jun 2020 16:11

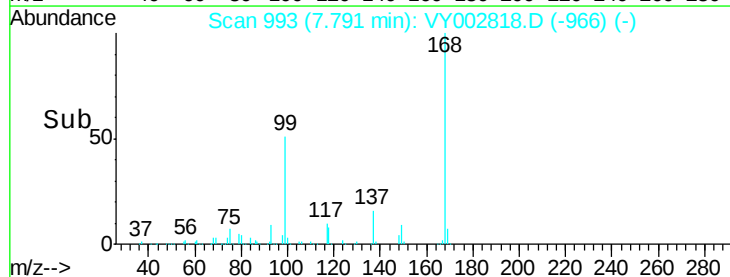
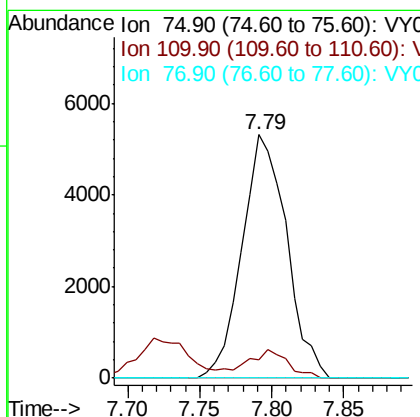
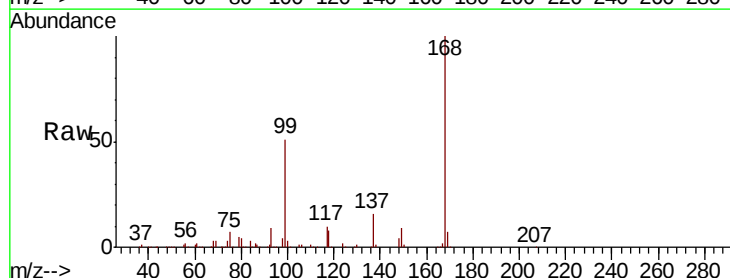
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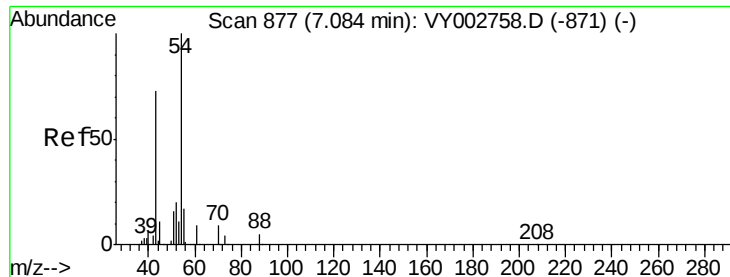
Tot Ion:113 Resp: 94749
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 23.4 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 4.316 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY002818.D
 Acq: 02 Jun 2020 16:11

Tgt Ion: 75 Resp: 11404
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.3 57.9#
 77 0.0 24.8 37.2#

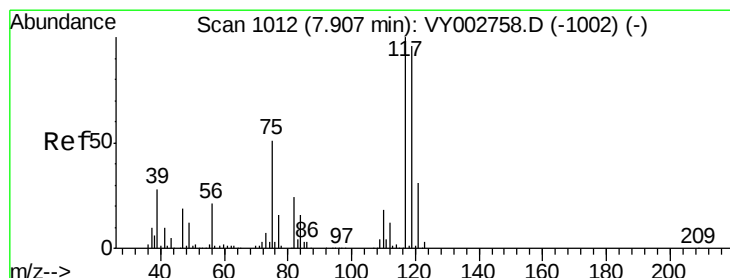
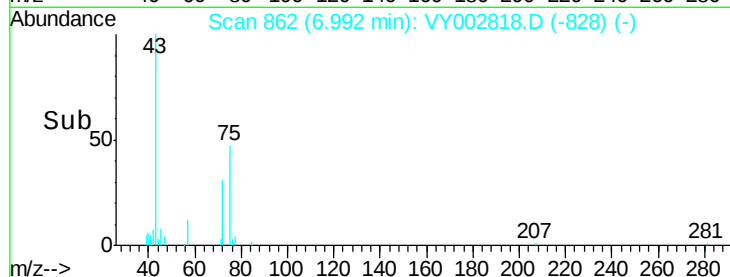
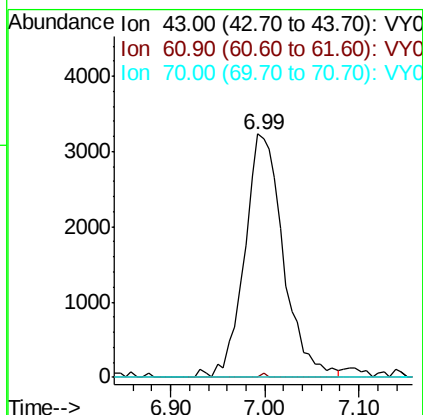
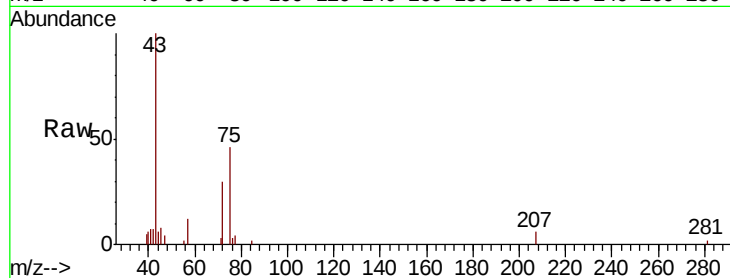




#37
Ethyl Acetate
Concen: 6.501 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.09 min
Lab File: VY002818.D
Acq: 02 Jun 2020 16:11

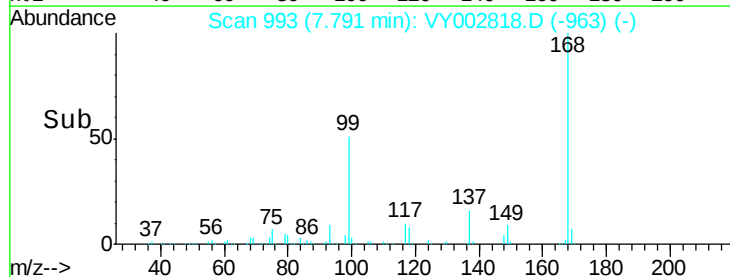
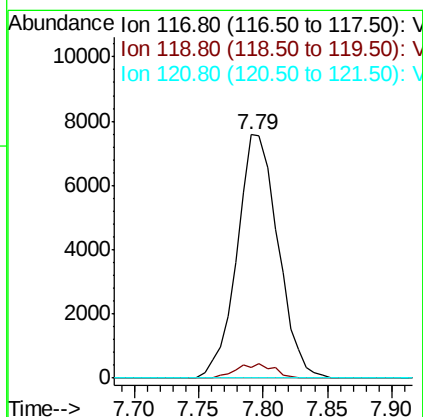
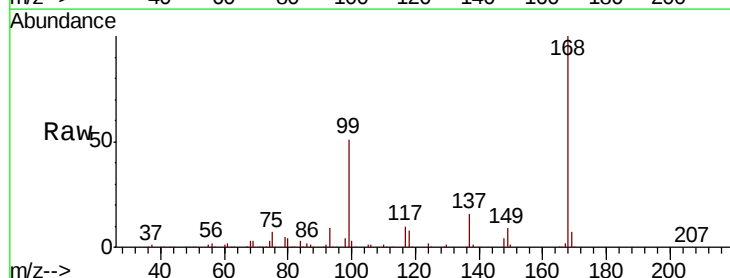
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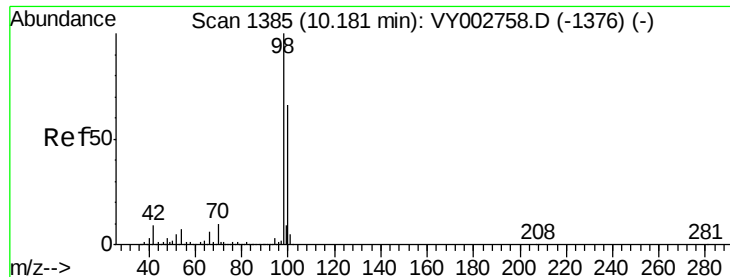
Tot Ion: 43 Resp: 9347
Ion Ratio Lower Upper
43 100
61 0.2 11.9 17.9#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.683 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY002818.D
Acq: 02 Jun 2020 16:11

Tgt Ion: 117 Resp: 16684
Ion Ratio Lower Upper
117 100
119 4.2 76.8 115.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 49.380 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

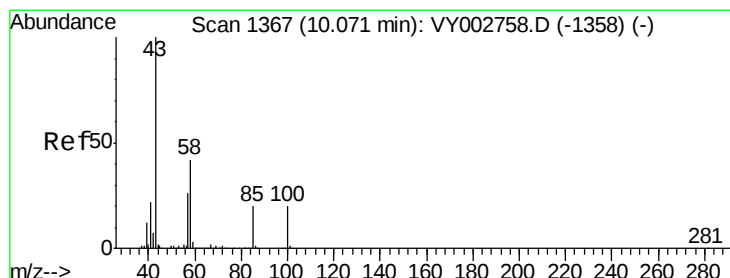
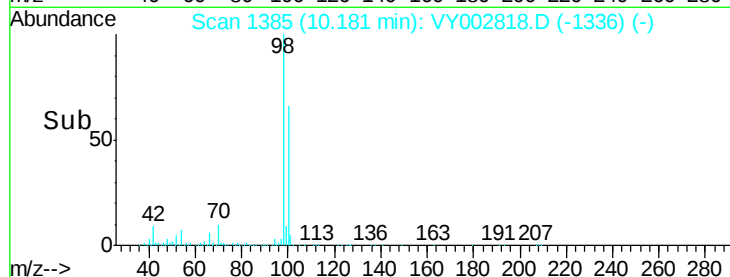
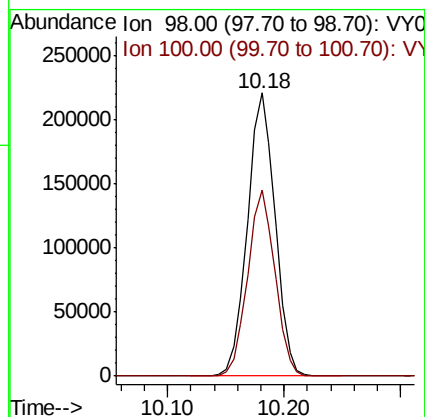
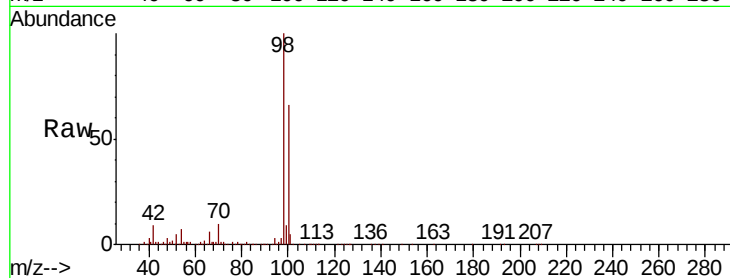
EFF-SLUDGE

Tot Ion: 98 Resp: 367054

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.358 ug/l

RT: 10.11 min Scan# 1374

Delta R.T. 0.04 min

Lab File: VY002818.D

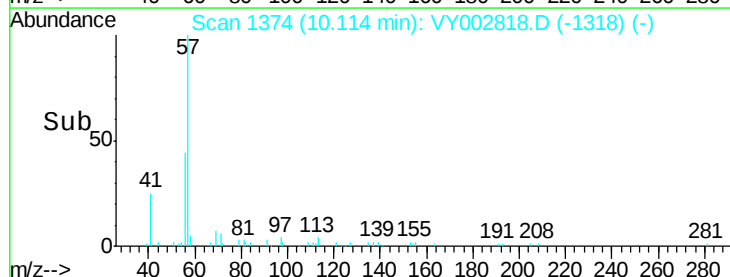
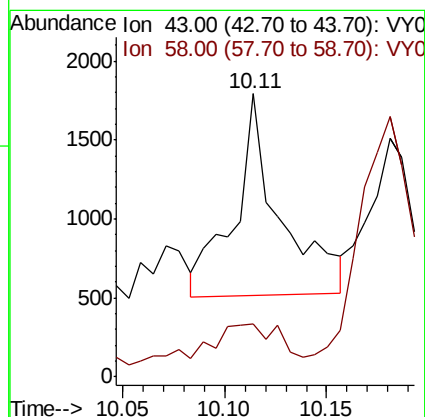
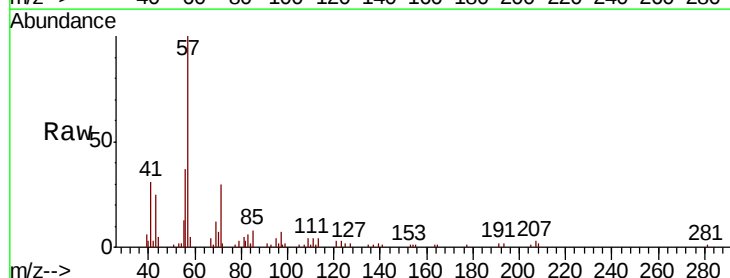
Acq: 02 Jun 2020 16:11

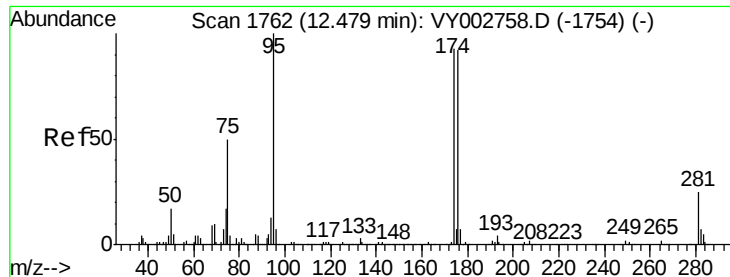
Tgt Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

58 44.9 34.2 51.2





#62

4-Bromofluorobenzene

Concen: 42.551 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

EFF-SLUDGE

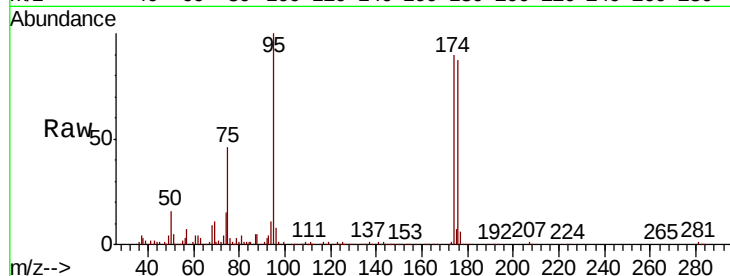
Tot Ion: 95 Resp: 108094

Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.2

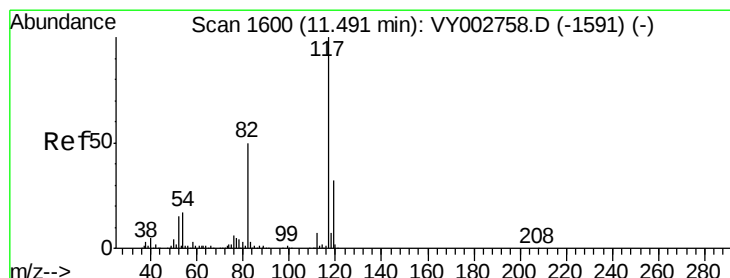
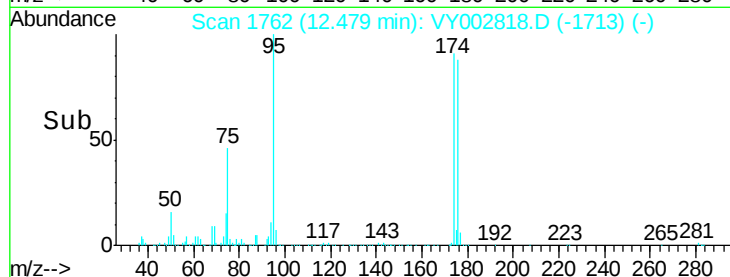
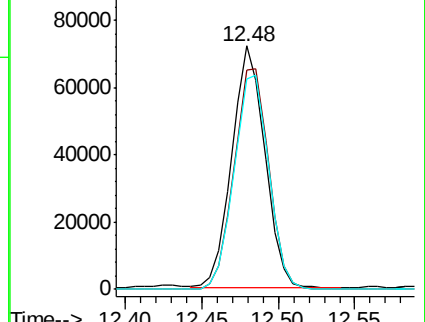
176 92.8 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002818.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002818.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002818.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

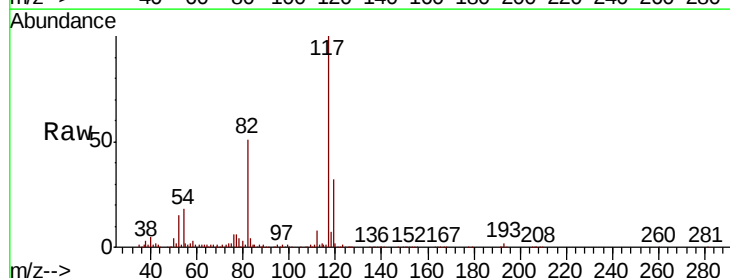
Tgt Ion: 117 Resp: 273277

Ion Ratio Lower Upper

117 100

82 50.8 40.2 60.4

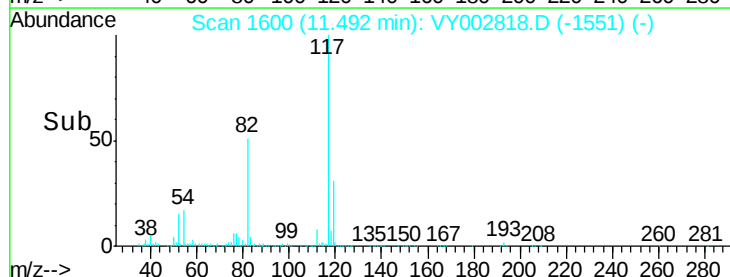
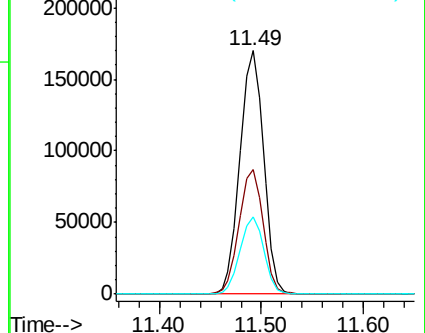
119 31.5 25.8 38.8

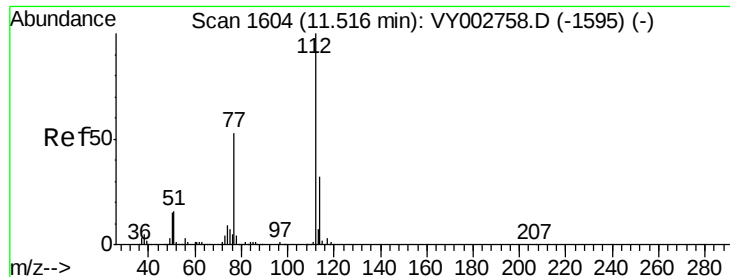


Abundance Ion 116.90 (116.60 to 117.60): VY002818.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002818.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002818.D (-1551) (-)





#65

Chlorobenzene

Concen: 56.247 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

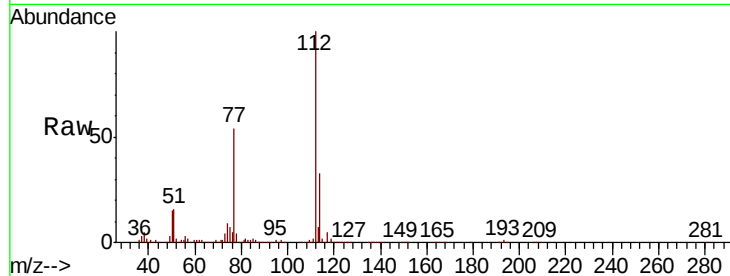
EFF-SLUDGE

Tot Ion:112 Resp: 303806

Ion Ratio Lower Upper

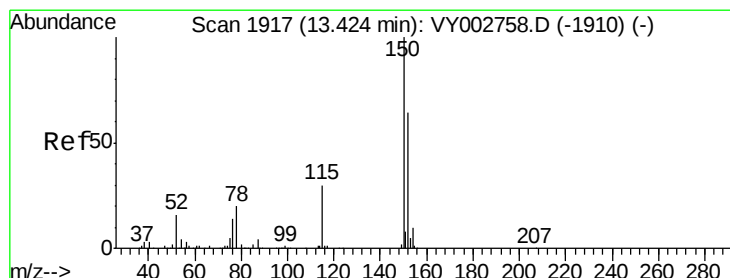
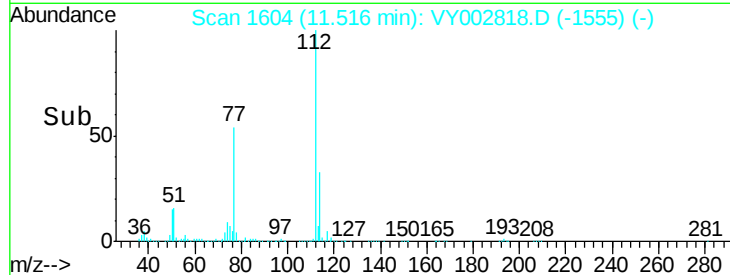
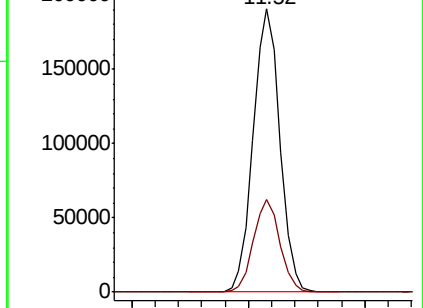
112 100

114 32.5 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

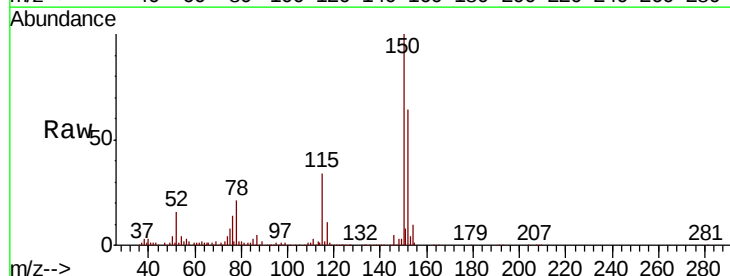
Tgt Ion:152 Resp: 108627

Ion Ratio Lower Upper

152 100

115 53.7 27.0 81.0

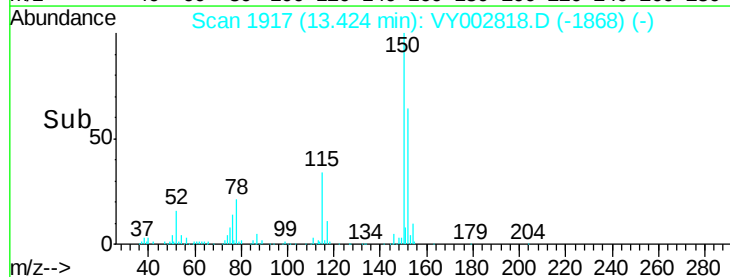
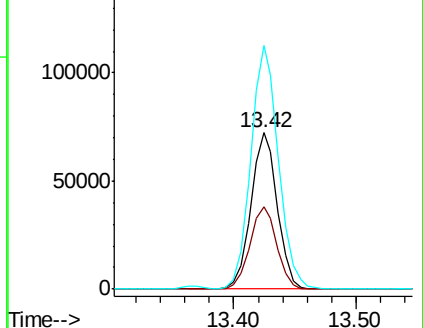
150 161.9 0.0 344.8

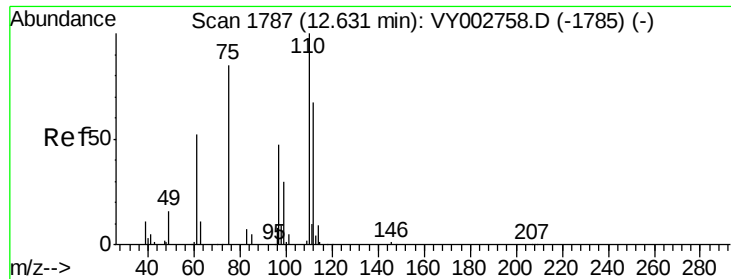


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 51.558 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

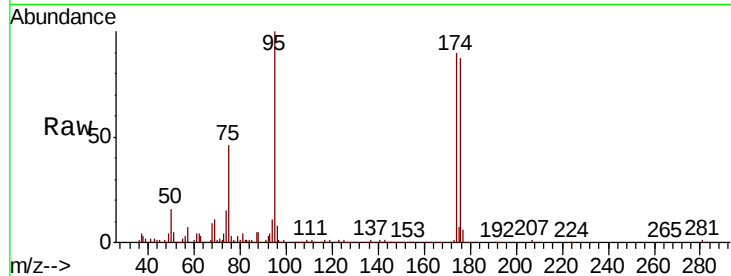
EFF-SLUDGE

Tot Ion: 75 Resp: 50465

Ion Ratio Lower Upper

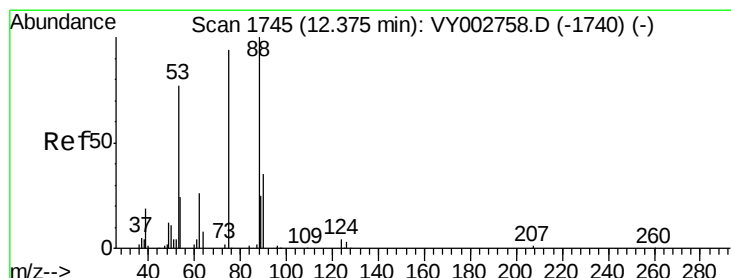
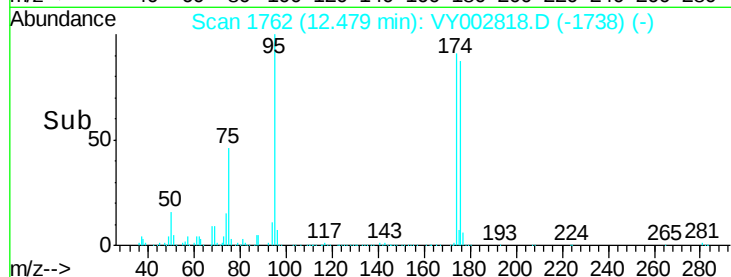
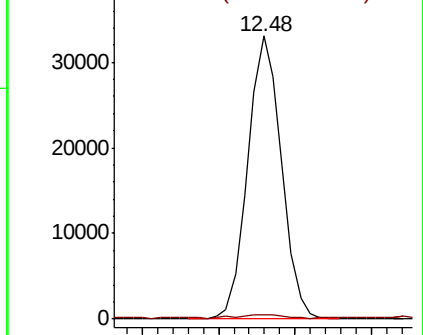
75 100

77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 97.135 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

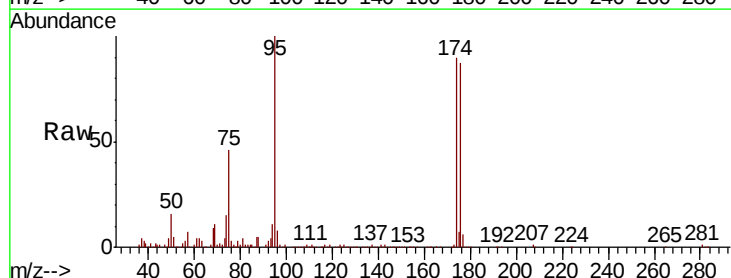
Tgt Ion: 75 Resp: 50465

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

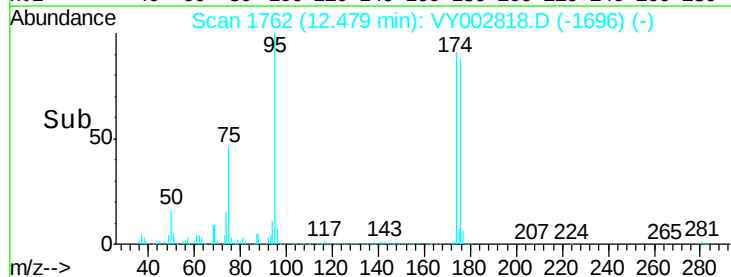
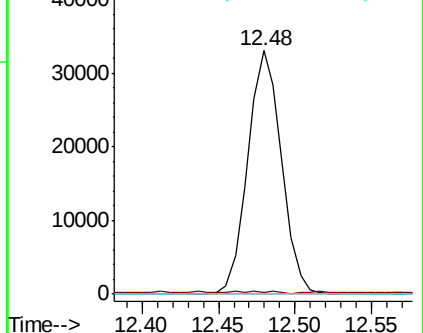
89 0.0 37.4 56.2#

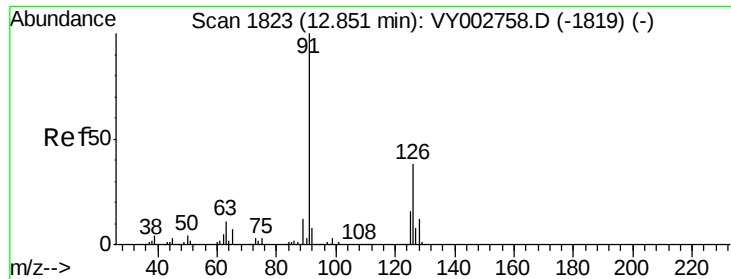


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#82

4-Chlorotoluene

Concen: 2.944 ug/l

RT: 12.89 min Scan# 1830

Delta R.T. 0.04 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

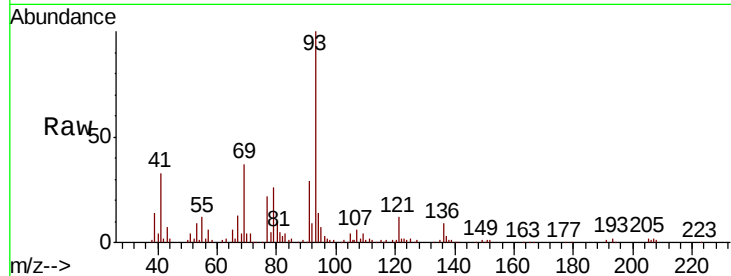
EFF-SLUDGE

Tot Ion: 91 Resp: 13914

Ion Ratio Lower Upper

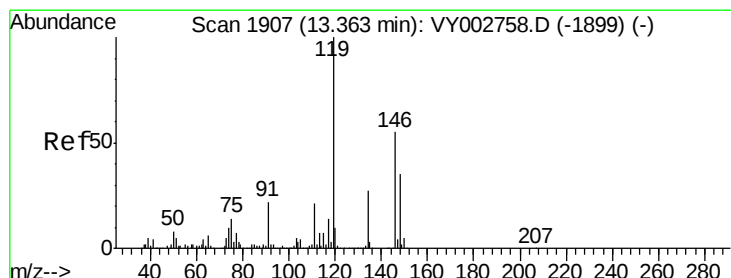
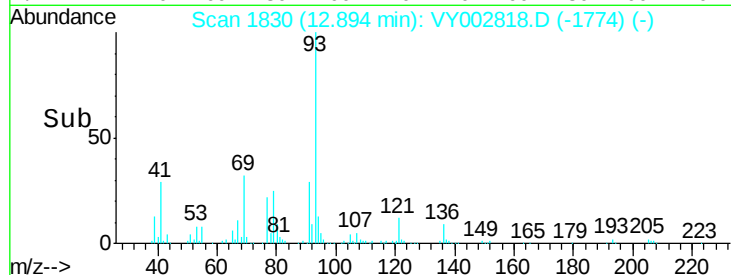
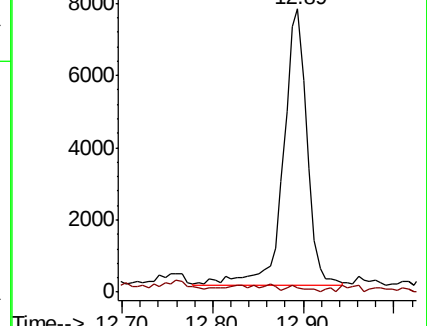
91 100

126 1.7 18.5 55.5#



Abundance Ion 91.00 (90.70 to 91.70): VY002818.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VY002818.D (-1774) (-)



#87

1,3-Dichlorobenzene

Concen: 5.504 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

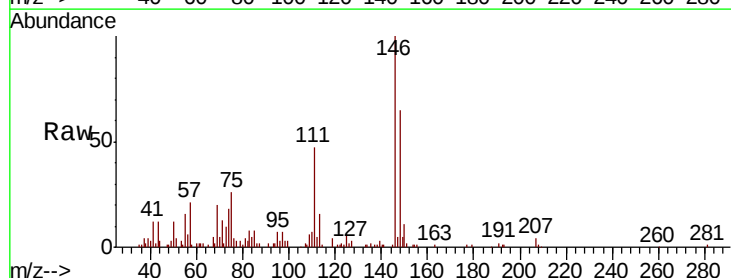
Tgt Ion: 146 Resp: 18897

Ion Ratio Lower Upper

146 100

111 48.6 18.4 55.0

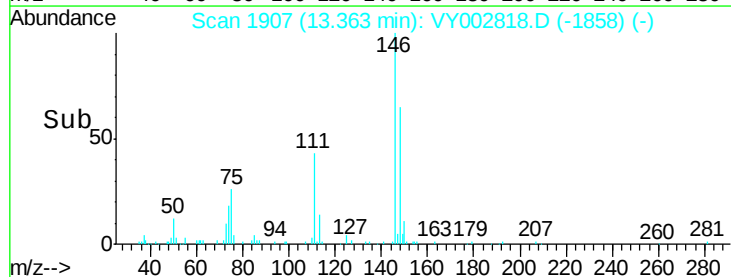
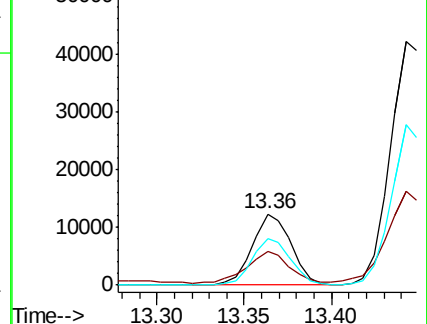
148 65.4 31.9 95.7

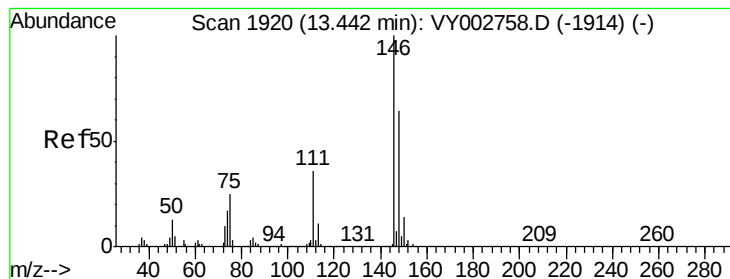


Abundance Ion 145.90 (145.60 to 146.60): VY002818.D (-1858) (-)

Ion 110.90 (110.60 to 111.60): VY002818.D (-1858) (-)

Ion 147.90 (147.60 to 148.60): VY002818.D (-1858) (-)





#88

1,4-Dichlorobenzene

Concen: 18.984 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

EFF-SLUDGE

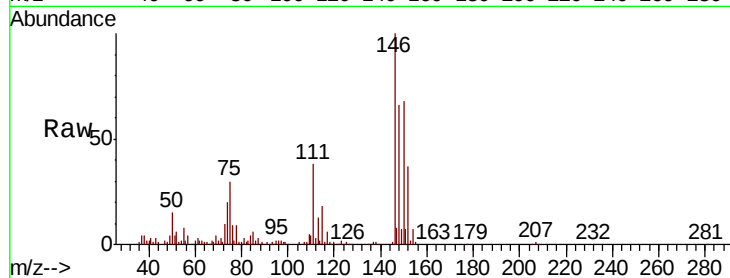
Tot Ion:146 Resp: 65203

Ion Ratio Lower Upper

146 100

111 39.8 18.1 54.3

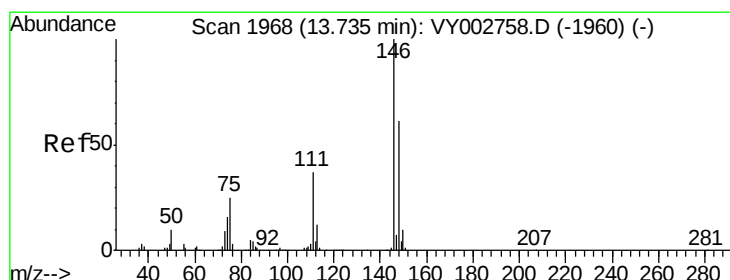
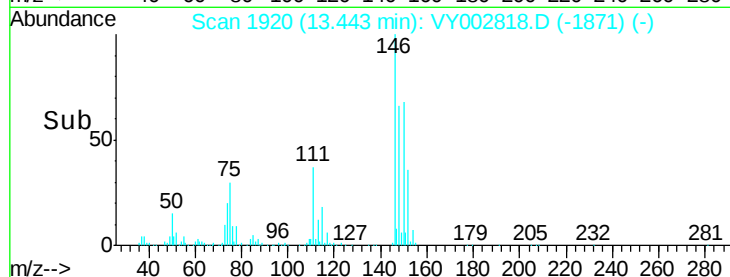
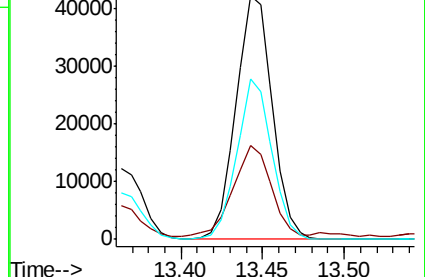
148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 16.341 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

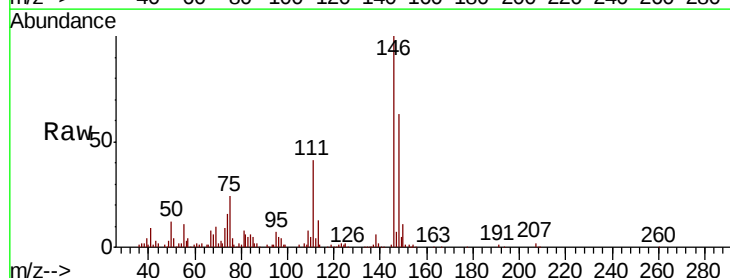
Tgt Ion:146 Resp: 50884

Ion Ratio Lower Upper

146 100

111 42.9 18.9 56.9

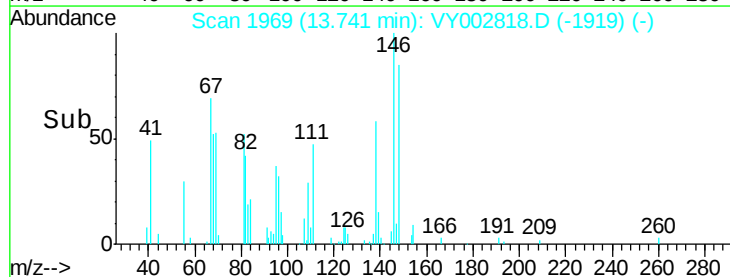
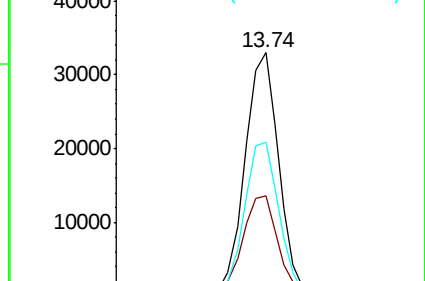
148 65.1 31.9 95.5

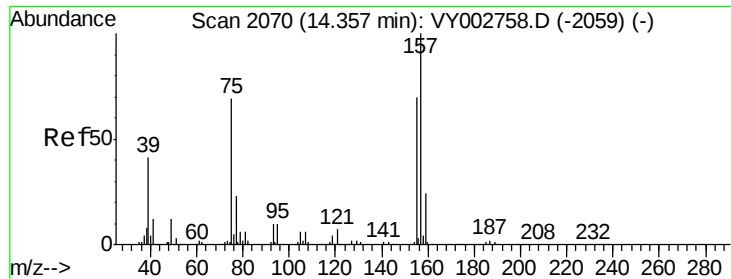


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.958 ug/l

RT: 14.50 min Scan# 2094

Delta R.T. 0.15 min

Lab File: VY002818.D

Acq: 02 Jun 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

EFF-SLUDGE

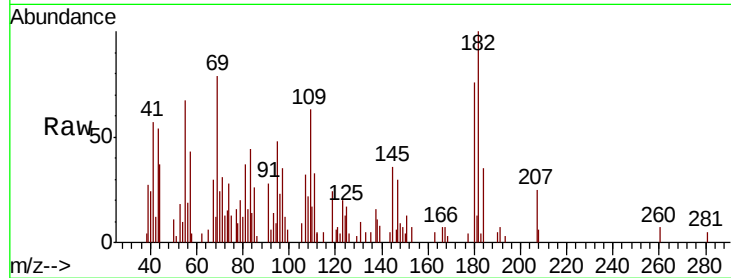
Tot Ion: 75 Resp: 460

Ion Ratio Lower Upper

75 100

155 0.0 53.5 160.5#

157 0.0 69.9 209.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

