

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY060320\
 Data File : VY002829.D
 Acq On : 03 Jun 2020 13:40
 Operator : SY/MD
 Sample : L2504-04RE
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EFF-SLUDGERE

Quant Time: Jun 03 16:56:36 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	110456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	171459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	147409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	62448	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	43309	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
35) Dibromofluoromethane	7.72	113	50835	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.18	98	199921	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.48	95	59173	42.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.24%	

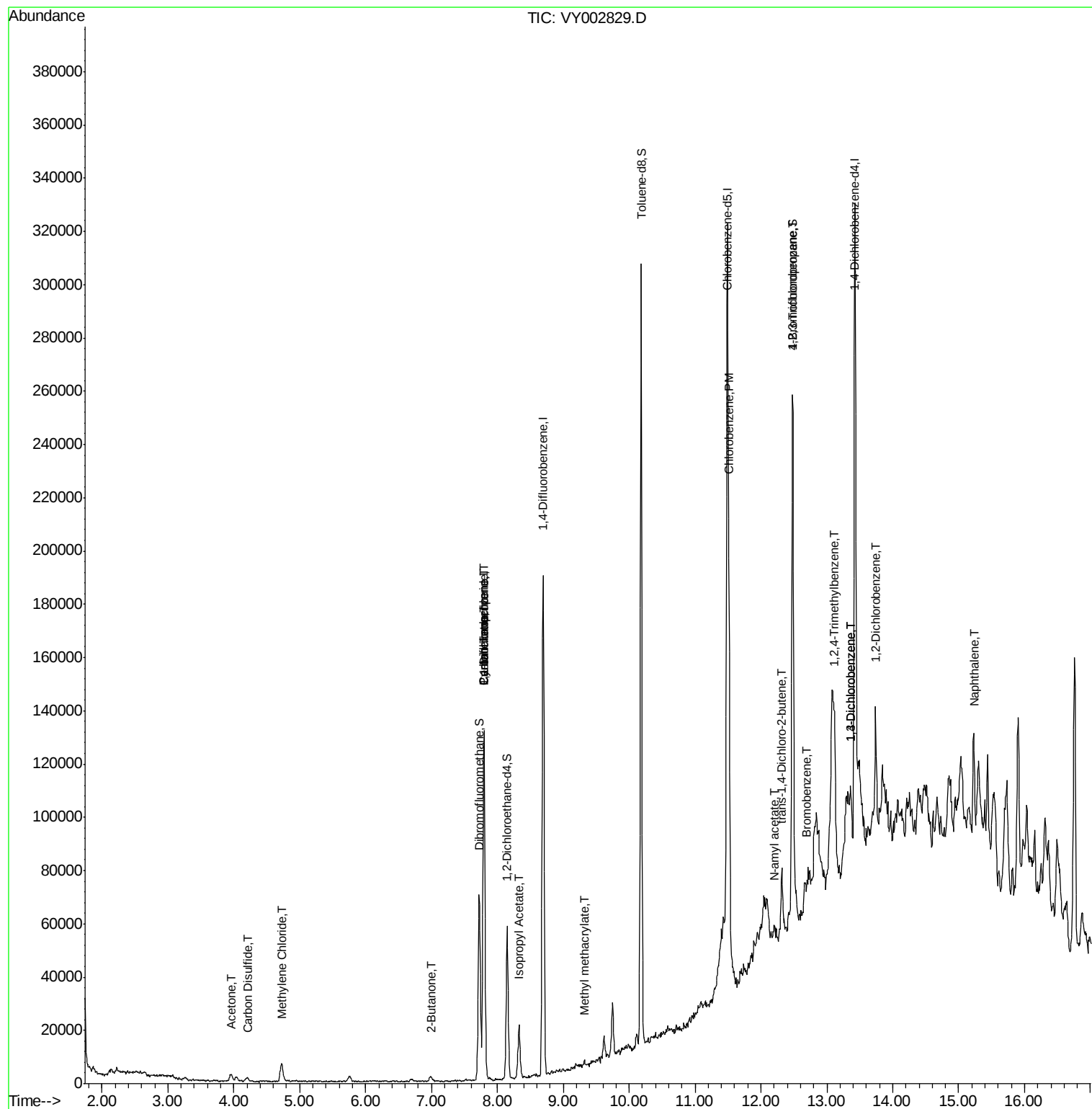
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	334	Below Cal	#	74
16) Acetone	3.96	43	4741	21.08	ug/l	96
17) Carbon Disulfide	4.21	76	3350	1.18	ug/l	95
18) Methyl Acetate	4.49	43	198	Below Cal	#	48
20) Methylene Chloride	4.72	84	5347	4.87	ug/l	91
25) 2-Butanone	7.00	43	705	2.01	ug/l	45
31) Cyclohexane	7.80	56	1866	1.15	ug/l	1
36) 1,1-Dichloropropene	7.80	75	6748	4.67	ug/l	50
38) Carbon Tetrachloride	7.79	117	9842	6.13	ug/l	16
43) Isopropyl Acetate	8.33	43	4180	2.81	ug/l	50
48) Methyl methacrylate	9.32	41	918	1.37	ug/l	42
65) Chlorobenzene	11.52	112	73644	25.28	ug/l	94
74) N-amyl acetate	12.20	43	1114	1.08	ug/l	9
76) 1,2,3-Trichloropropane	12.48	75	28928	51.41	ug/l	100
77) Bromobenzene	12.69	156	11428	10.97	ug/l	1
81) trans-1,4-Dichloro-2-buten	12.31	75	1693	5.67	ug/l	42
84) 1,2,4-Trimethylbenzene	13.12	105	5737	1.71	ug/l	94
87) 1,3-Dichlorobenzene	13.36	146	6564	3.33	ug/l	88
88) 1,4-Dichlorobenzene	13.36	146	6564	3.32	ug/l	90
91) 1,2-Dichlorobenzene	13.74	146	14575	8.14	ug/l	91
95) Naphthalene	15.24	128	7087	2.62	ug/l	49

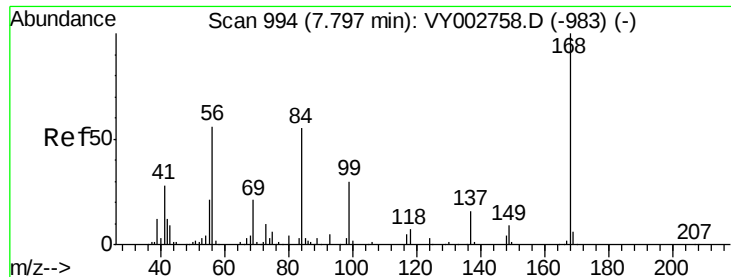
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

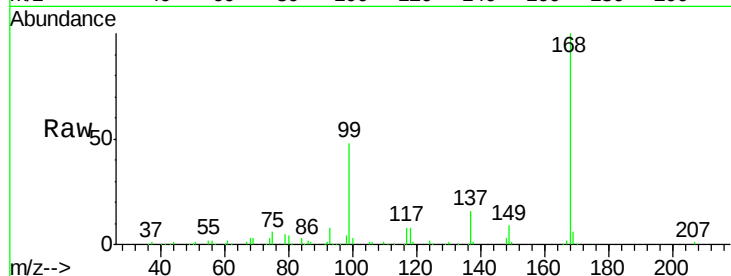
EFF-SLUDGERE

Tgt Ion:168 Resp: 110456

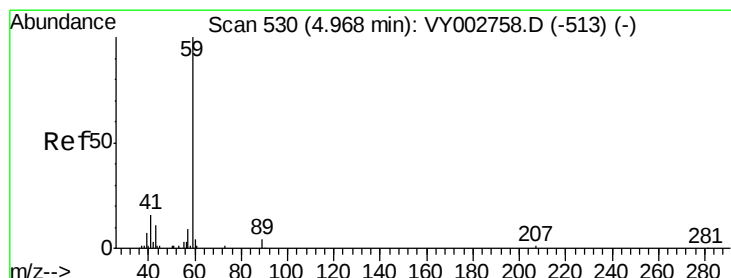
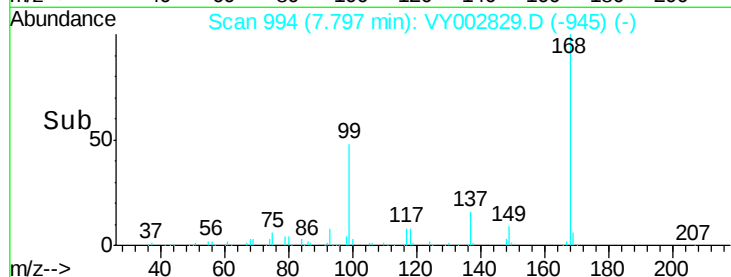
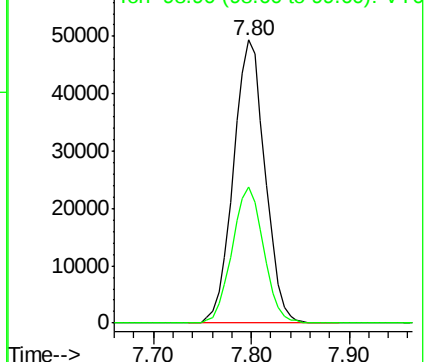
Ion Ratio Lower Upper

168 100

99 48.3 39.0 58.4



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002829.D

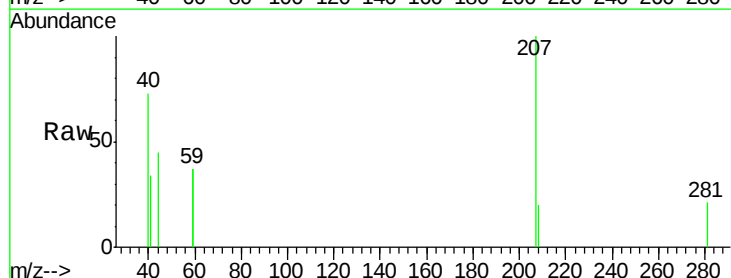
Acq: 03 Jun 2020 13:40

Tgt Ion: 59 Resp: 334

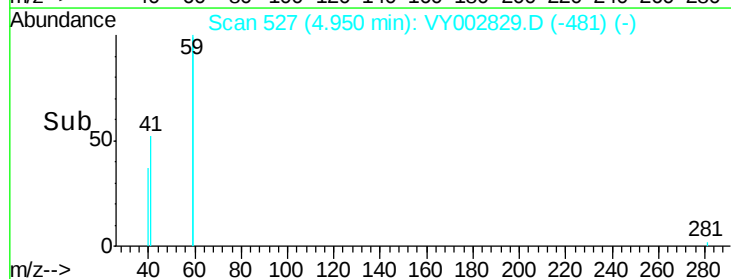
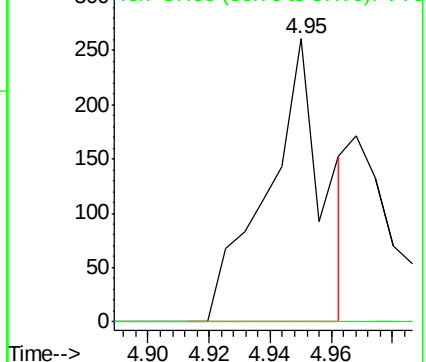
Ion Ratio Lower Upper

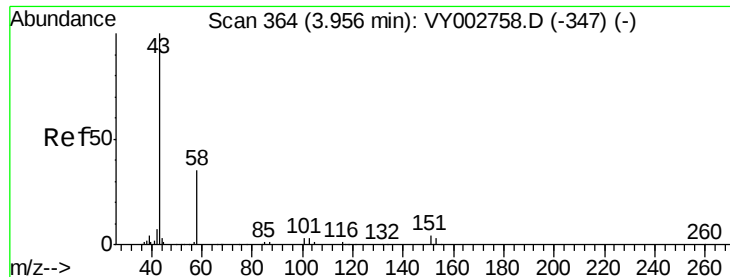
59 100

57 0.0 7.7 11.5#



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





#16

Acetone

Concen: 21.08 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

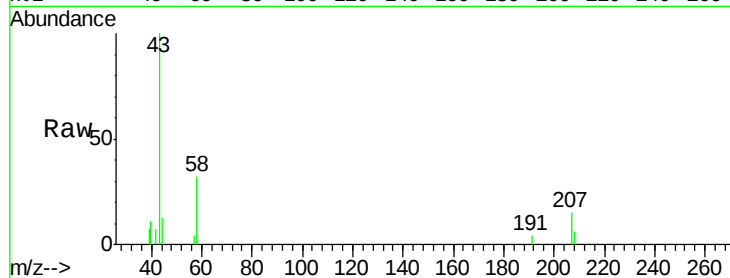
EFF-SLUDGERE

Tgt Ion: 43 Resp: 4741

Ion Ratio Lower Upper

43 100

58 32.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2000

1500

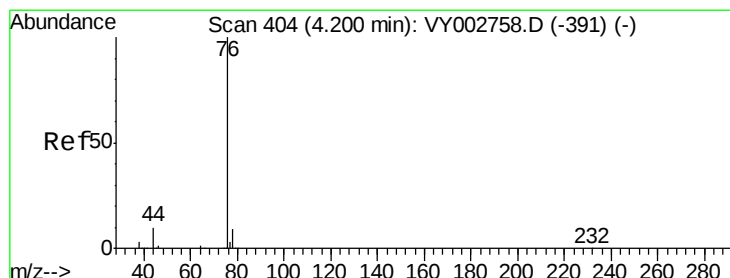
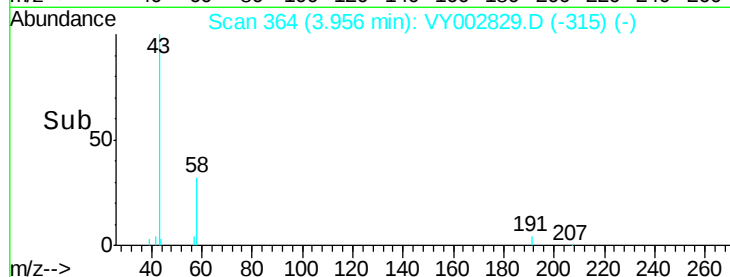
1000

500

0

3.85 3.90 3.95 4.00 4.05

Time-->



#17

Carbon Disulfide

Concen: 1.18 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY002829.D

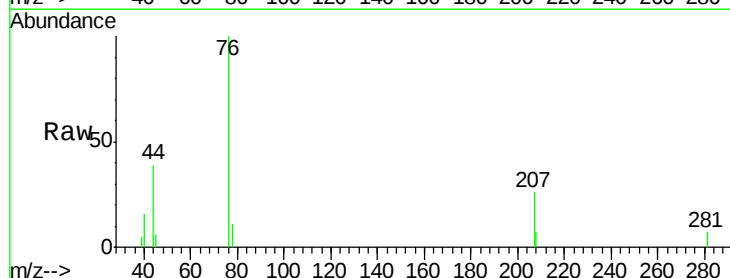
Acq: 03 Jun 2020 13:40

Tgt Ion: 76 Resp: 3350

Ion Ratio Lower Upper

76 100

78 10.5 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

1200

1000

800

600

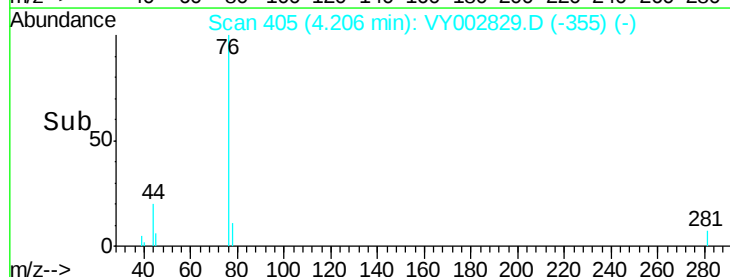
400

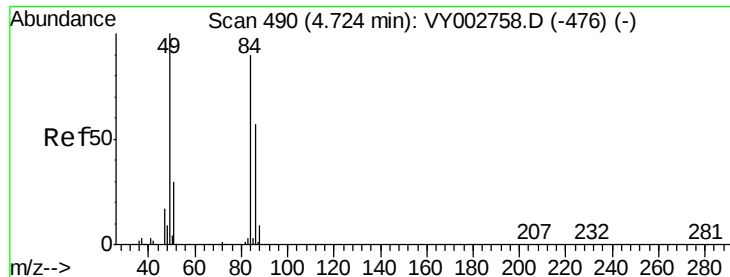
200

0

4.10 4.15 4.20 4.25 4.30

Time-->

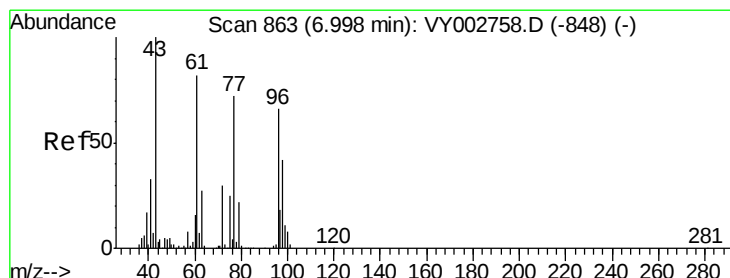
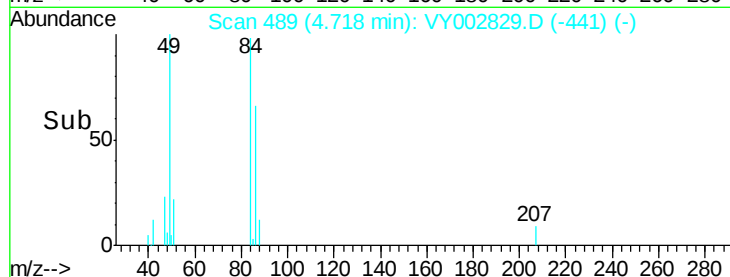
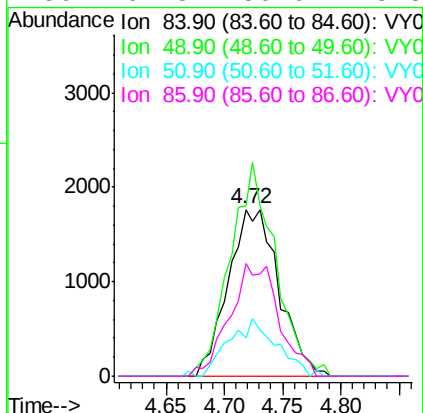
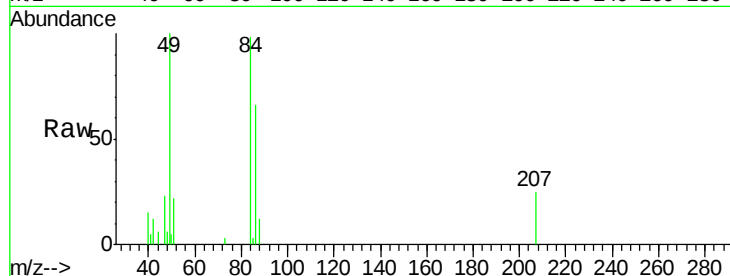




#20
Methylene Chloride
Concen: 4.87 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY002829.D
Acq: 03 Jun 2020 13:40

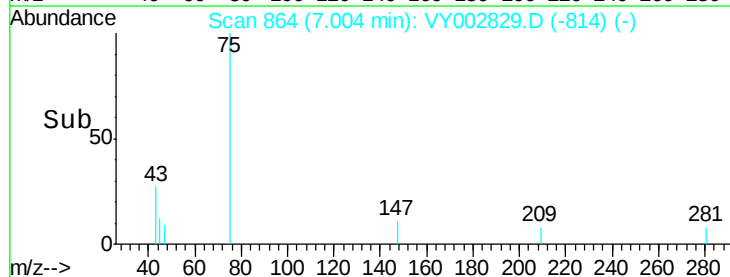
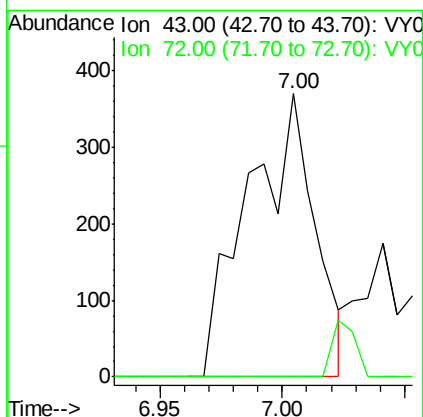
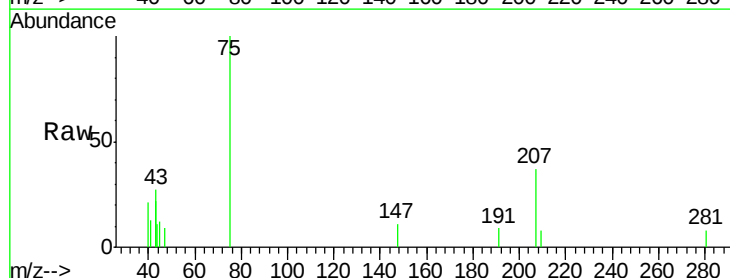
Instrument :
MSVOA_Y
ClientSampleId :
EFF-SLUDGERE

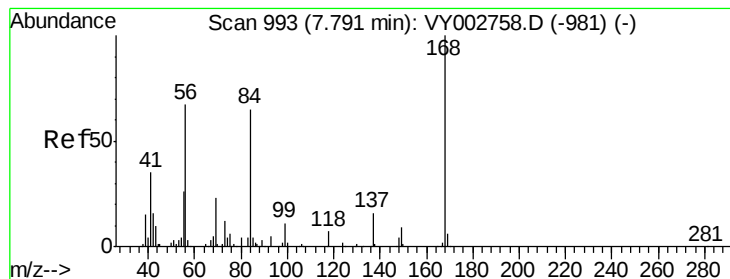
Tgt Ion:	84	Resp:	5347
Ion	Ratio	Lower	Upper
84	100		
49	102.4	88.5	132.7
51	22.8	26.8	40.2#
86	67.3	50.6	75.8



#25
2-Butanone
Concen: 2.01 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY002829.D
Acq: 03 Jun 2020 13:40

Tgt Ion:	43	Resp:	705
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.9	35.9#





#31

Cyclohexane

Concen: 1.15 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

EFF-SLUDGERE

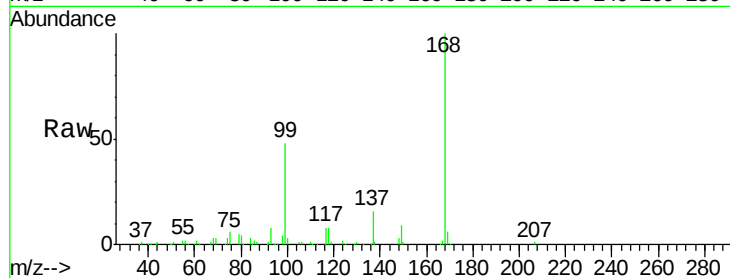
Tgt Ion: 56 Resp: 1866

Ion Ratio Lower Upper

56 100

69 184.5 28.0 42.0#

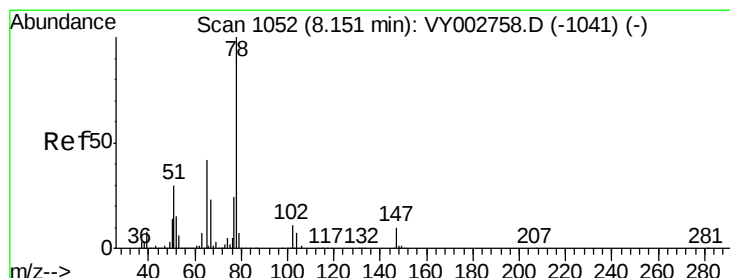
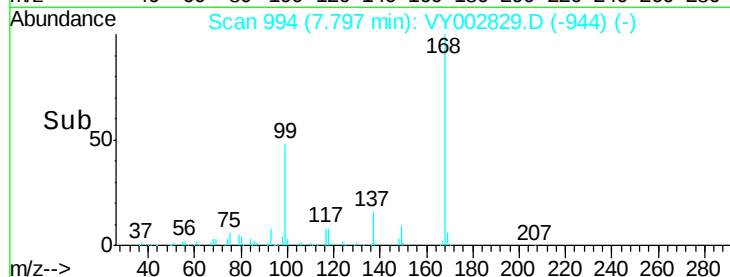
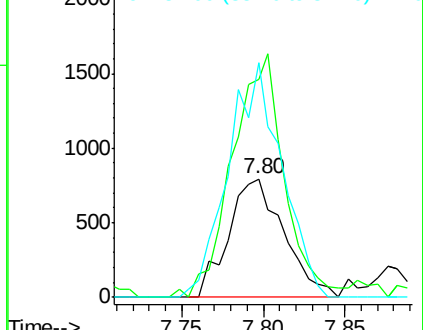
84 209.7 77.7 116.5#



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: 45.16 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002829.D

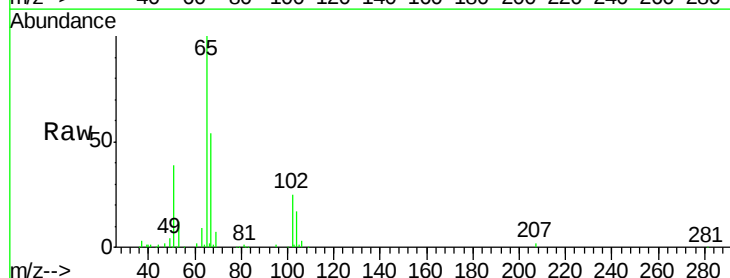
Acq: 03 Jun 2020 13:40

Tgt Ion: 65 Resp: 43309

Ion Ratio Lower Upper

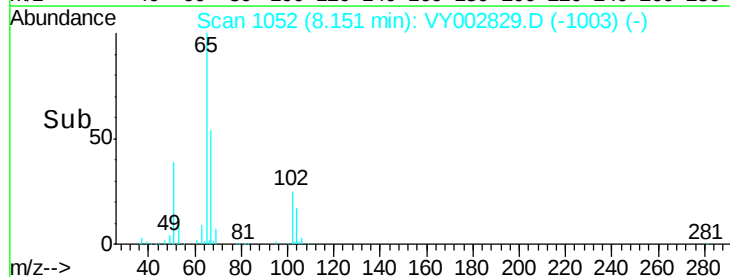
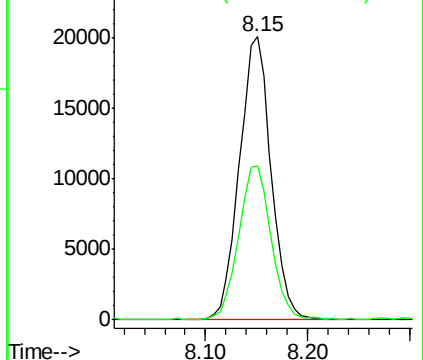
65 100

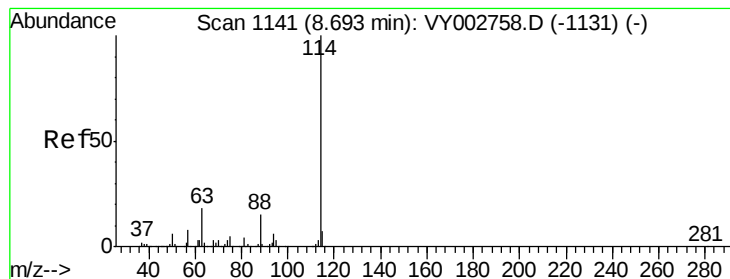
67 56.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

EFF-SLUDGERE

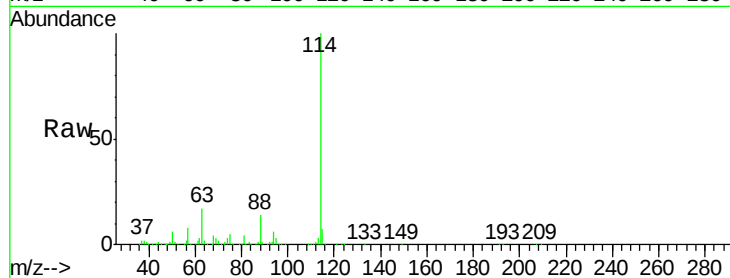
Tgt Ion:114 Resp: 171459

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.2

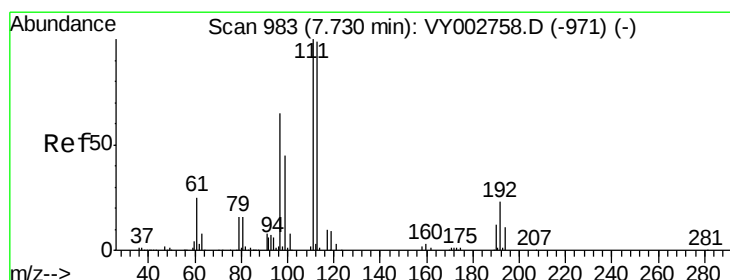
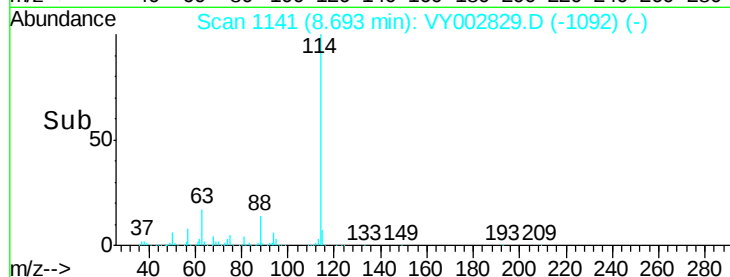
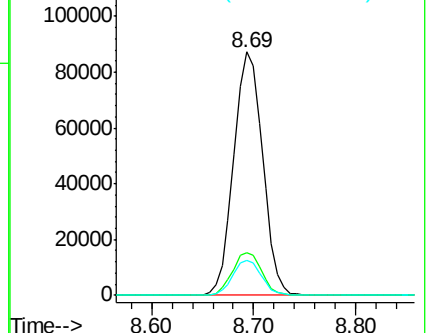
88 14.4 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 50.59 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

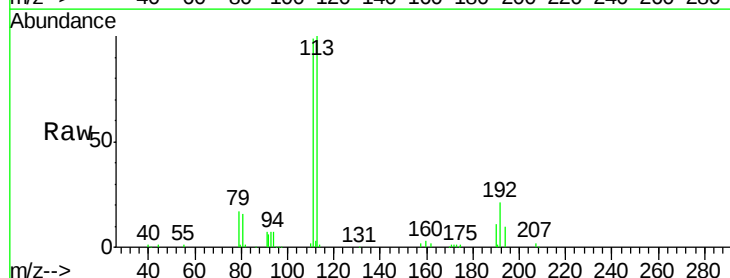
Tgt Ion:113 Resp: 50835

Ion Ratio Lower Upper

113 100

111 100.5 82.0 123.0

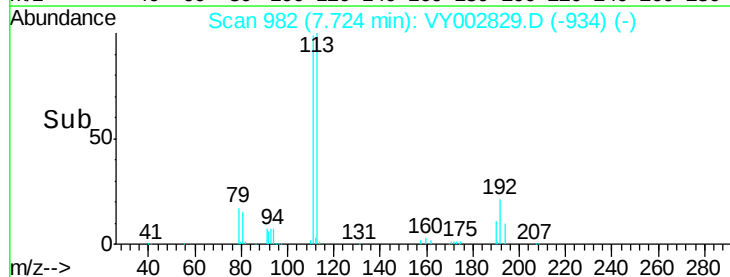
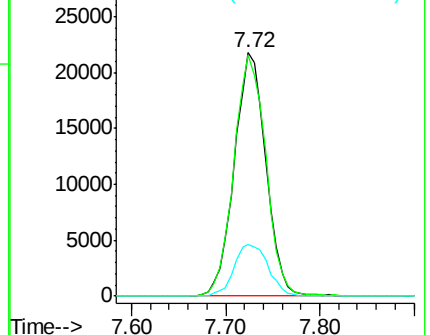
192 22.7 18.9 28.3

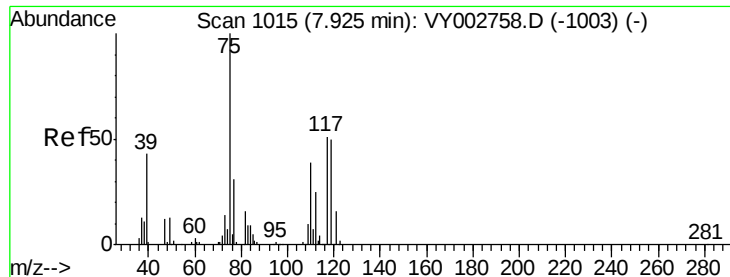


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

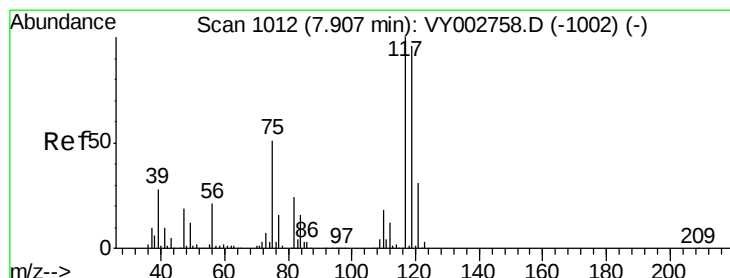
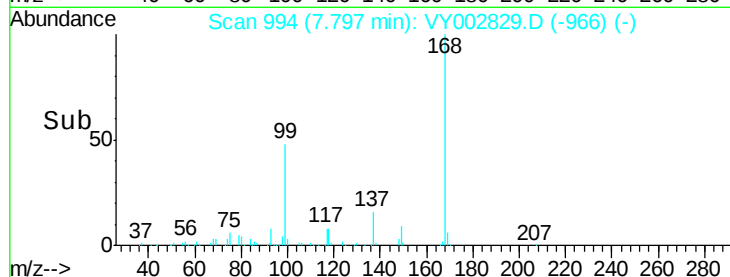
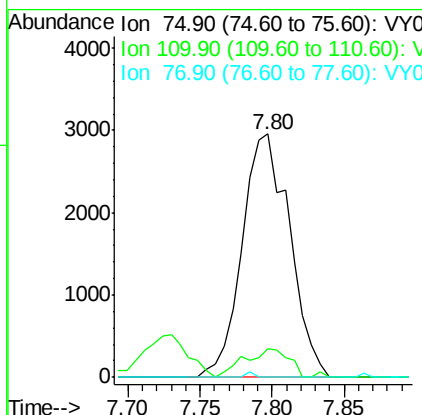
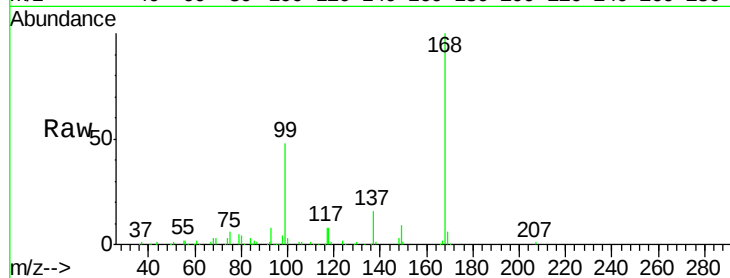




#36
 1,1-Dichloropropene
 Concen: 4.67 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002829.D
 Acq: 03 Jun 2020 13:40

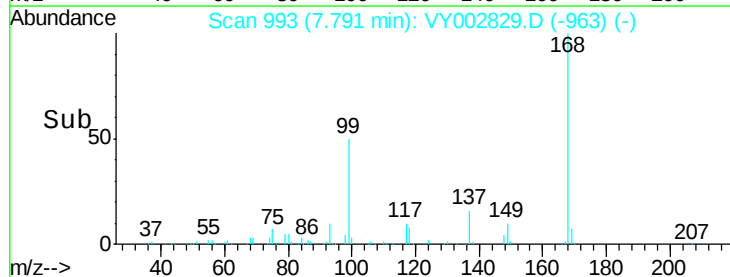
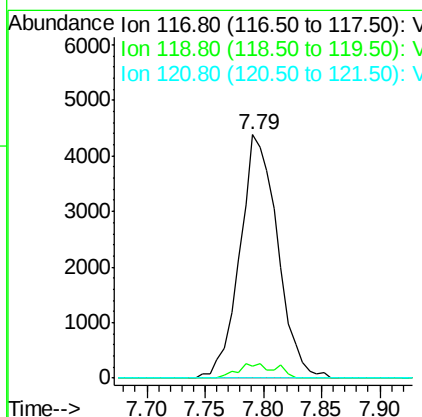
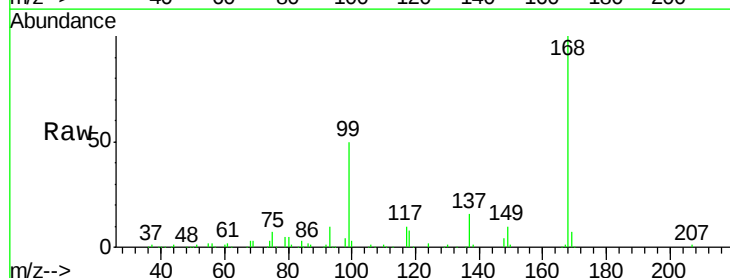
Instrument :
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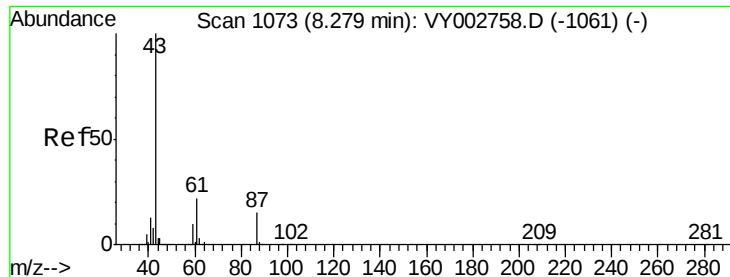
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	19.3	57.9#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.13 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY002829.D
 Acq: 03 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.8	115.2#
121	0.0	24.8	37.2#





#43

Isopropyl Acetate

Concen: 2.81 ug/l

RT: 8.33 min Scan# 1081

Delta R.T. 0.05 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

EFF-SLUDGERE

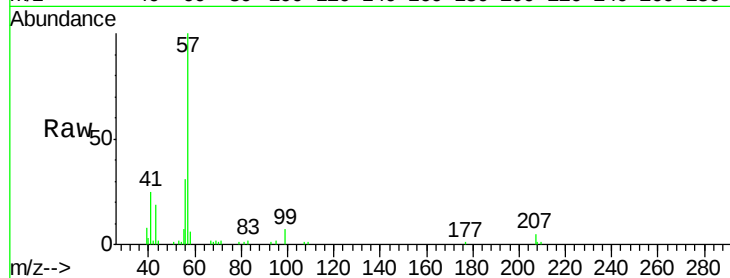
Tgt Ion: 43 Resp: 4180

Ion Ratio Lower Upper

43 100

61 0.0 24.8 37.2#

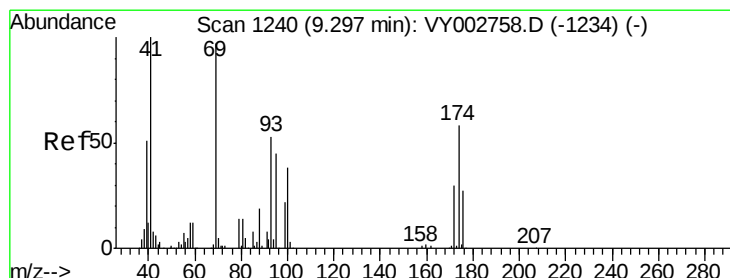
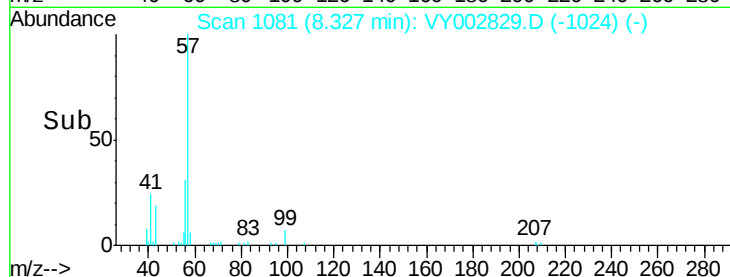
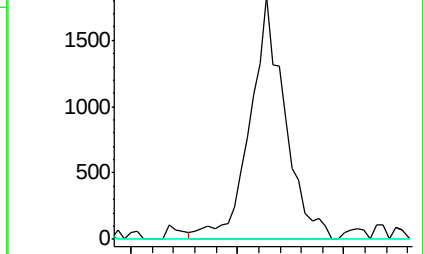
87 0.0 12.4 18.6#



Abundance Ion 43.00 (42.70 to 43.70): VY002829.D (-1081) (-)

Ion 61.00 (60.70 to 61.70): VY002829.D (-1081) (-)

Ion 87.00 (86.70 to 87.70): VY002829.D (-1081) (-)



#48

Methyl methacrylate

Concen: 1.37 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

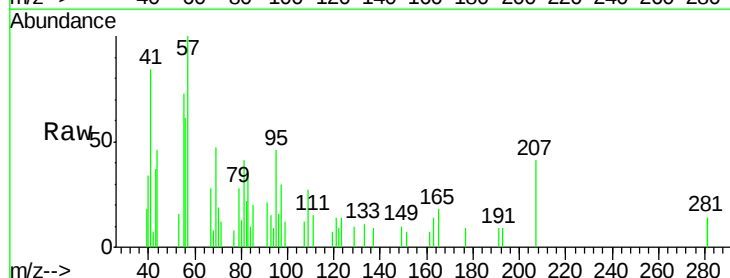
Tgt Ion: 41 Resp: 918

Ion Ratio Lower Upper

41 100

69 27.8 79.7 119.5#

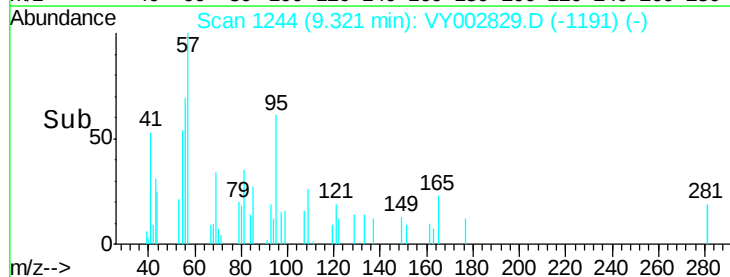
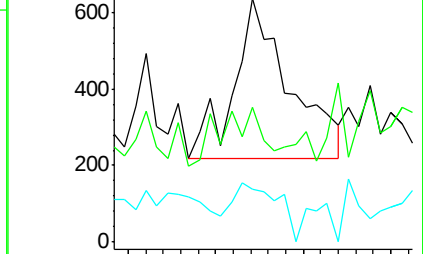
39 30.4 43.3 64.9#

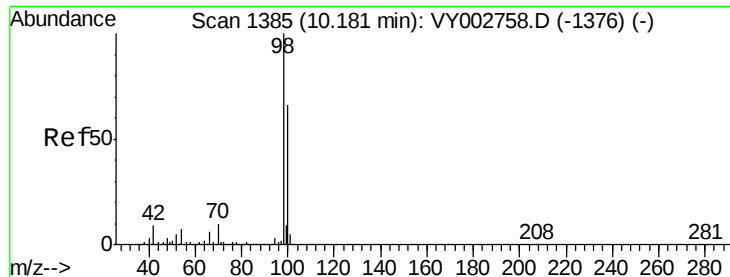


Abundance Ion 41.00 (40.70 to 41.70): VY002829.D (-1191) (-)

Ion 69.00 (68.70 to 69.70): VY002829.D (-1191) (-)

Ion 39.00 (38.70 to 39.70): VY002829.D (-1191) (-)





#50

Toluene-d8

Concen: 49.21 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

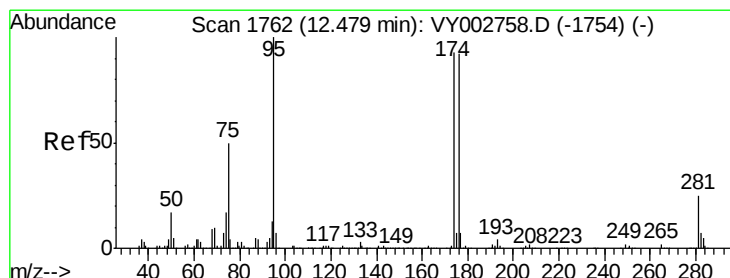
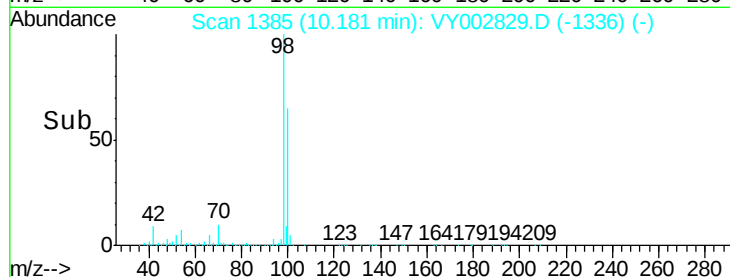
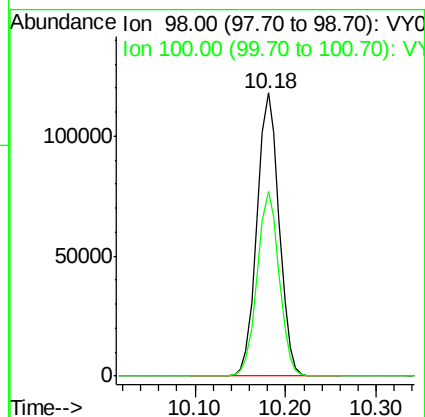
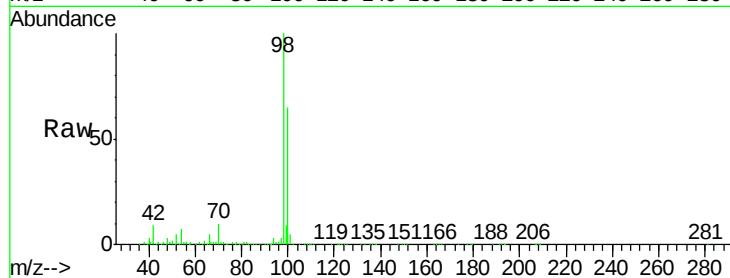
EFF-SLUDGERE

Tgt Ion: 98 Resp: 199921

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 42.62 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

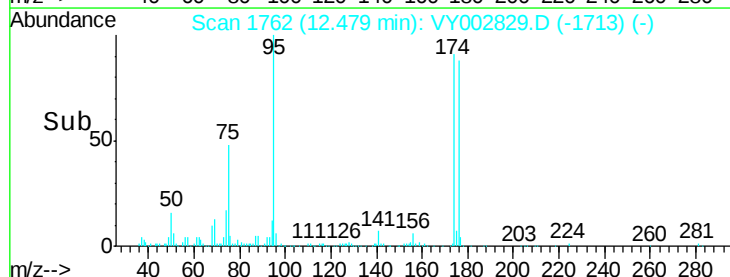
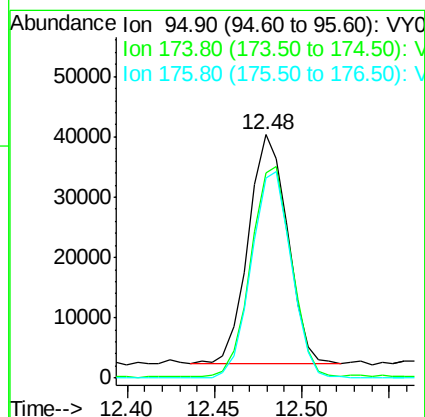
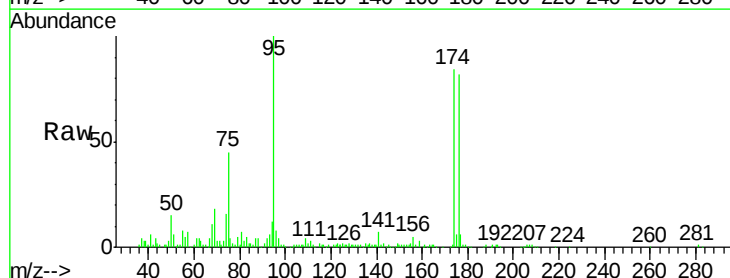
Tgt Ion: 95 Resp: 59173

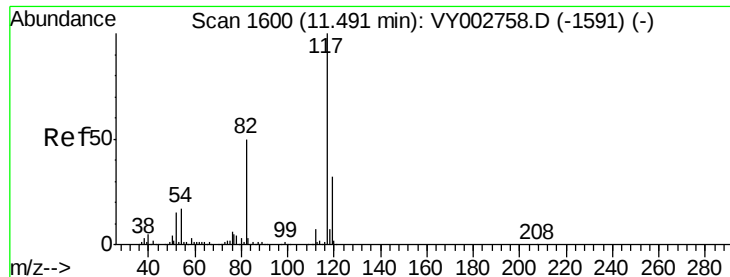
Ion Ratio Lower Upper

95 100

174 96.2 0.0 191.2

176 92.0 0.0 188.8

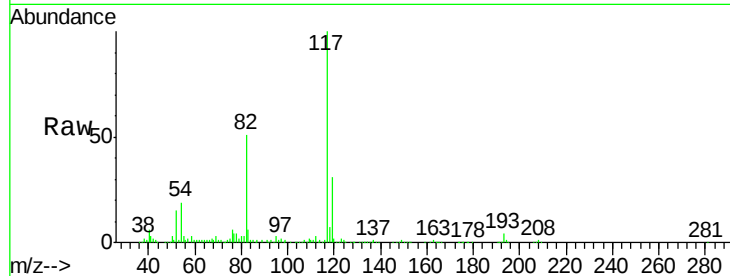




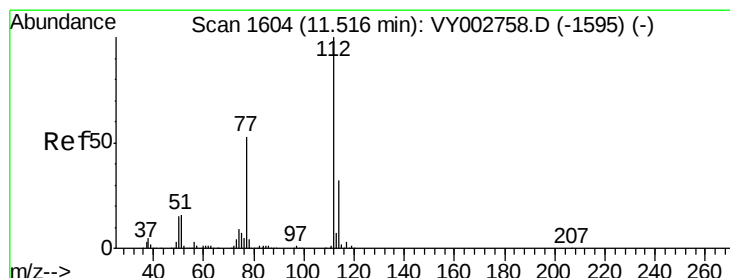
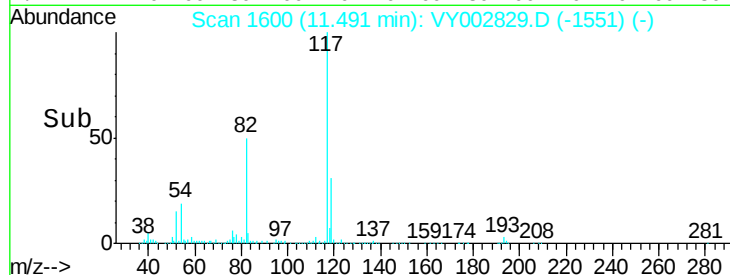
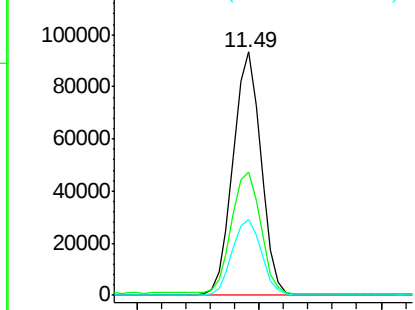
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002829.D
Acq: 03 Jun 2020 13:40

Instrument :
MSVOA_Y
ClientSampleId :
EFF-SLUDGERE

Tgt Ion:117 Resp: 147409
Ion Ratio Lower Upper
117 100
82 49.7 40.2 60.4
119 31.1 25.8 38.8

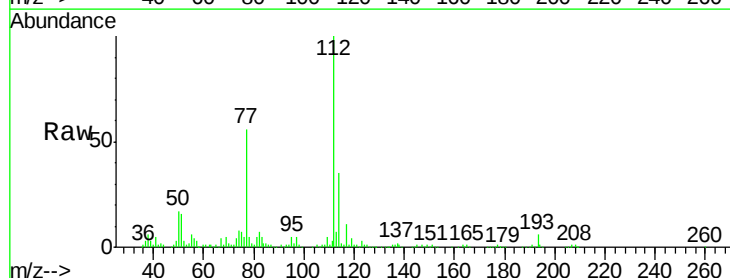


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

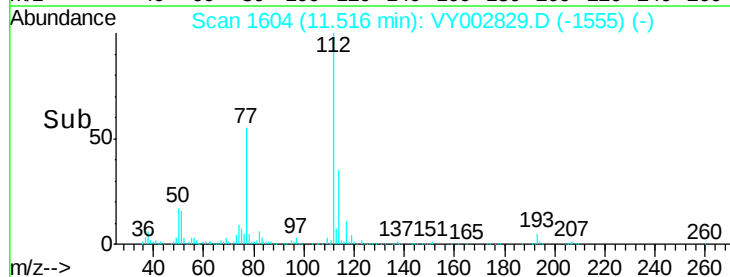
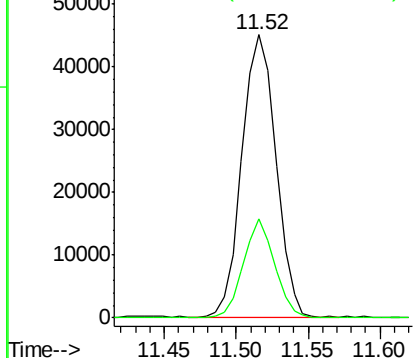


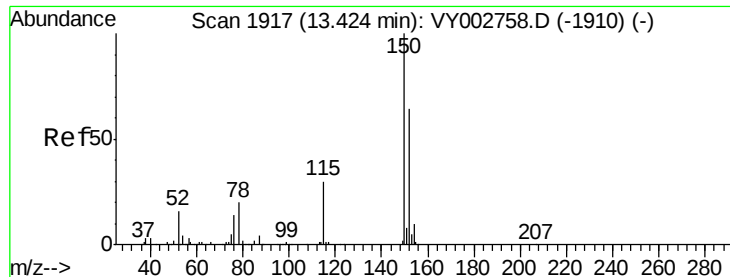
#65
Chlorobenzene
Concen: 25.28 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002829.D
Acq: 03 Jun 2020 13:40

Tgt Ion:112 Resp: 73644
Ion Ratio Lower Upper
112 100
114 35.2 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: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

EFF-SLUDGERE

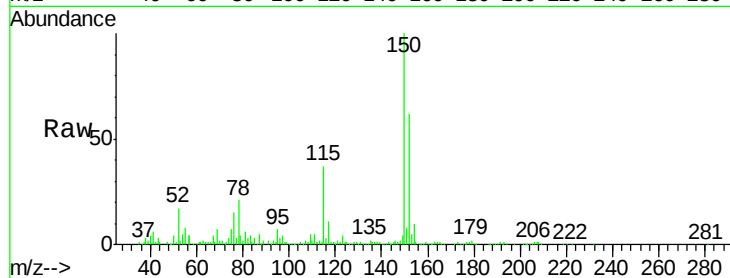
Tgt Ion:152 Resp: 62448

Ion Ratio Lower Upper

152 100

115 54.2 27.0 81.0

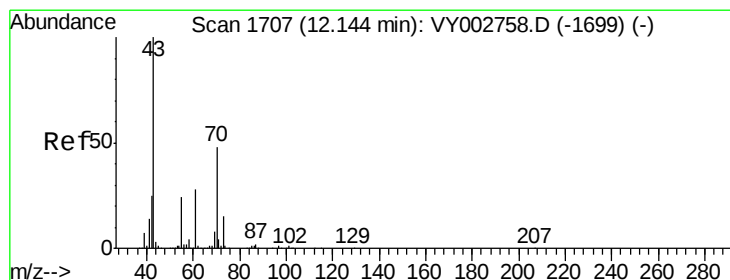
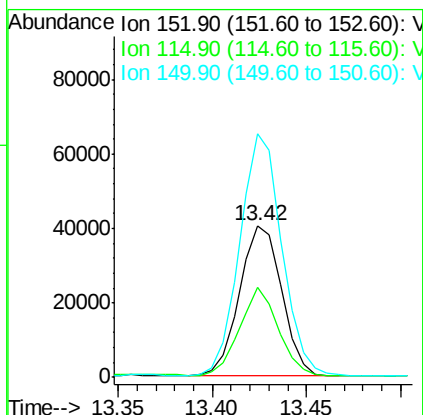
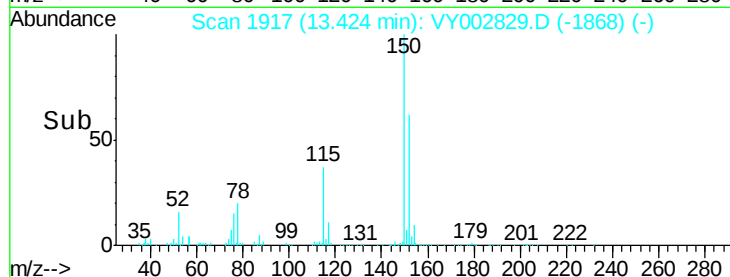
150 160.0 0.0 344.8



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



#74

N-amil acetate

Concen: 1.08 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.06 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Tgt Ion: 43 Resp: 1114

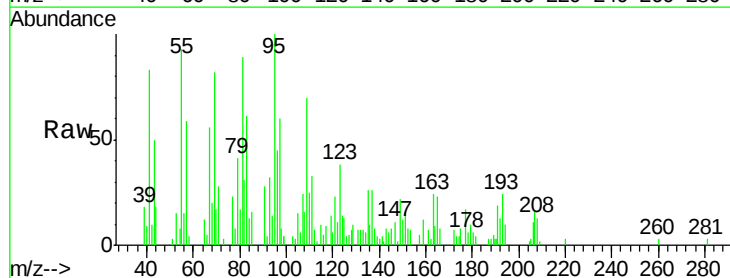
Ion Ratio Lower Upper

43 100

70 12.3 37.7 56.5#

55 128.4 19.8 29.6#

61 0.0 21.7 32.5#

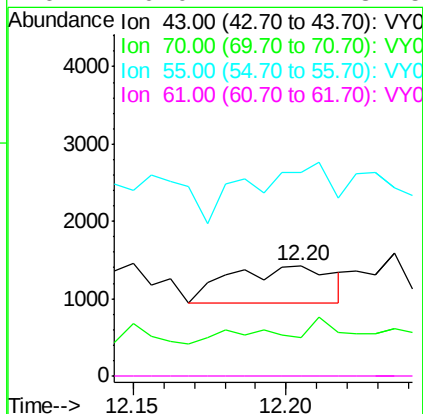
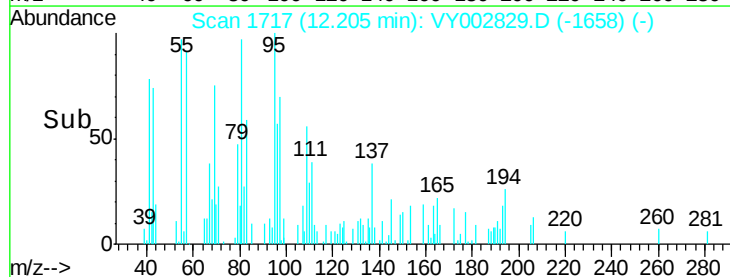


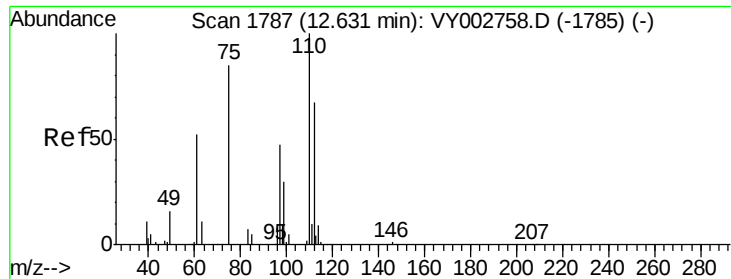
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 51.41 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

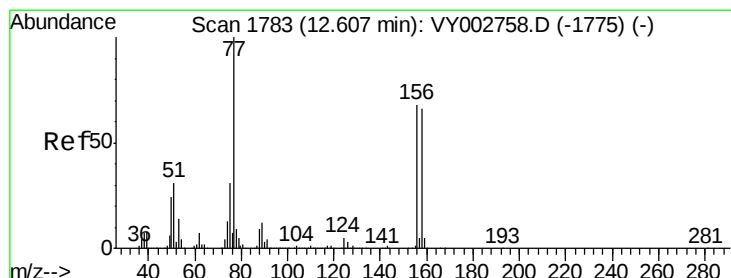
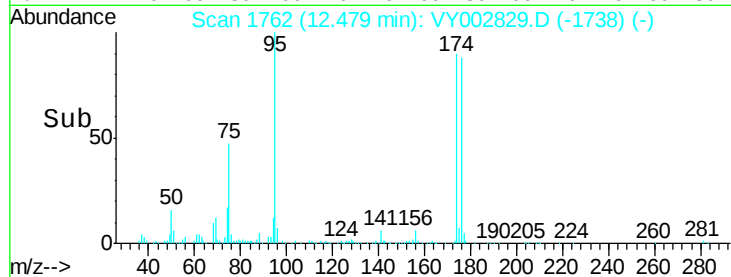
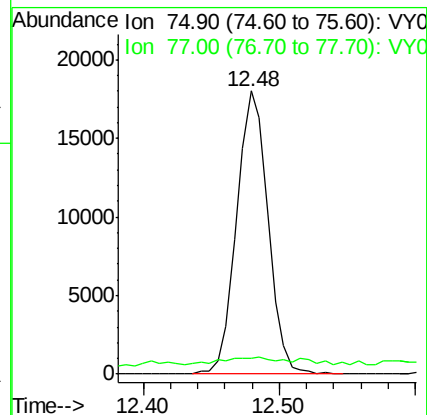
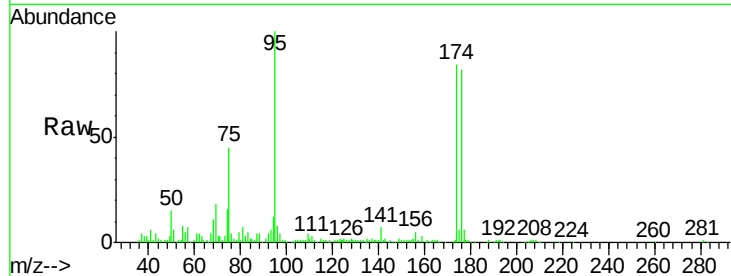
EFF-SLUDGERE

Tgt Ion: 75 Resp: 28928

Ion Ratio Lower Upper

75 100

77 3.3 0.0 0.0#



#77

Bromobenzene

Concen: 10.97 ug/l

RT: 12.69 min Scan# 1797

Delta R.T. 0.09 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

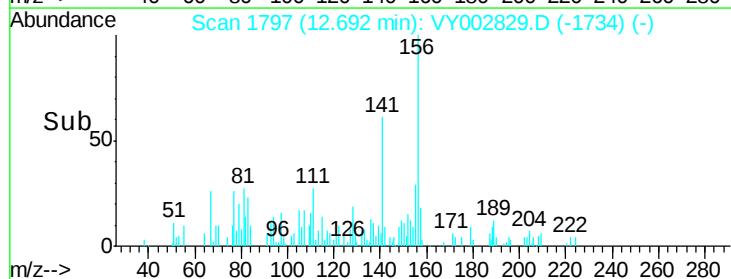
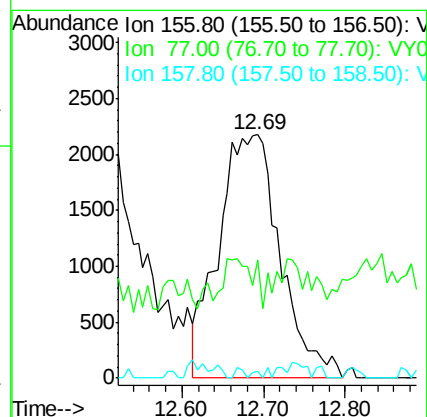
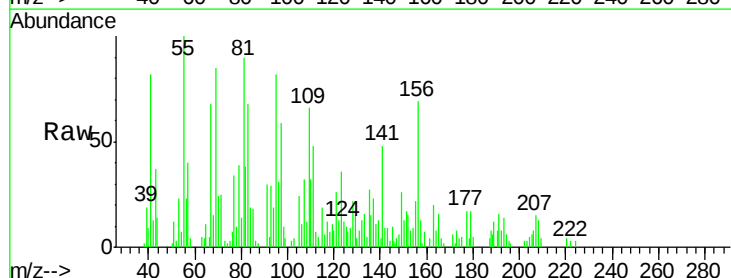
Tgt Ion: 156 Resp: 11428

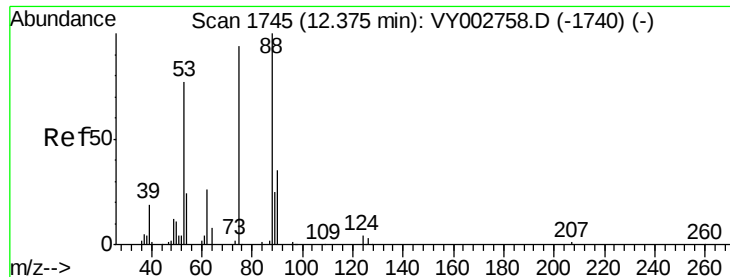
Ion Ratio Lower Upper

156 100

77 0.0 81.4 244.2#

158 0.4 48.5 145.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 5.67 ug/l

RT: 12.31 min Scan# 1735

Delta R.T. -0.06 min

Lab File: VY002829.D

Acq: 03 Jun 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

EFF-SLUDGERE

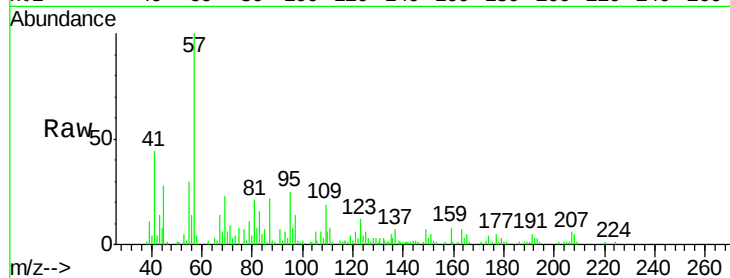
Tgt Ion: 75 Resp: 1693

Ion Ratio Lower Upper

75 100

53 28.9 64.0 96.0#

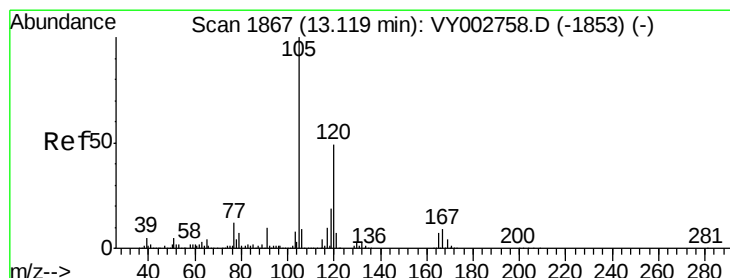
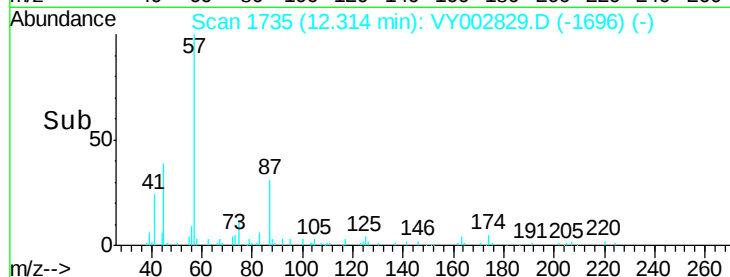
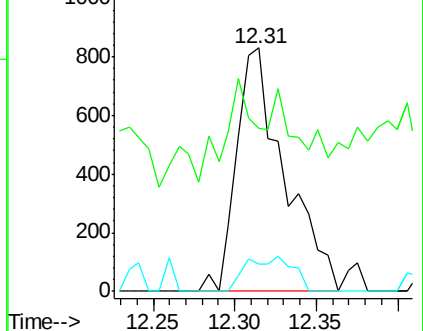
89 7.6 37.4 56.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.71 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002829.D

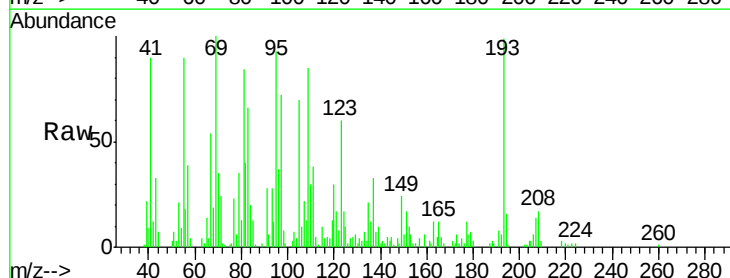
Acq: 03 Jun 2020 13:40

Tgt Ion: 105 Resp: 5737

Ion Ratio Lower Upper

105 100

120 43.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

