

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY061120\
 Data File : VY002887.D
 Acq On : 11 Jun 2020 13:22
 Operator : SY/MD
 Sample : L2817-01
 Misc : 6.95G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-061020

Quant Time: Jun 11 16:40:00 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	225493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	365278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	340729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	157867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	112092	57.25	ug/l	0.00
Spiked Amount			Recovery	=	114.50%	
35) Dibromofluoromethane	7.72	113	108933	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.18	98	433182	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.48	95	137813	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

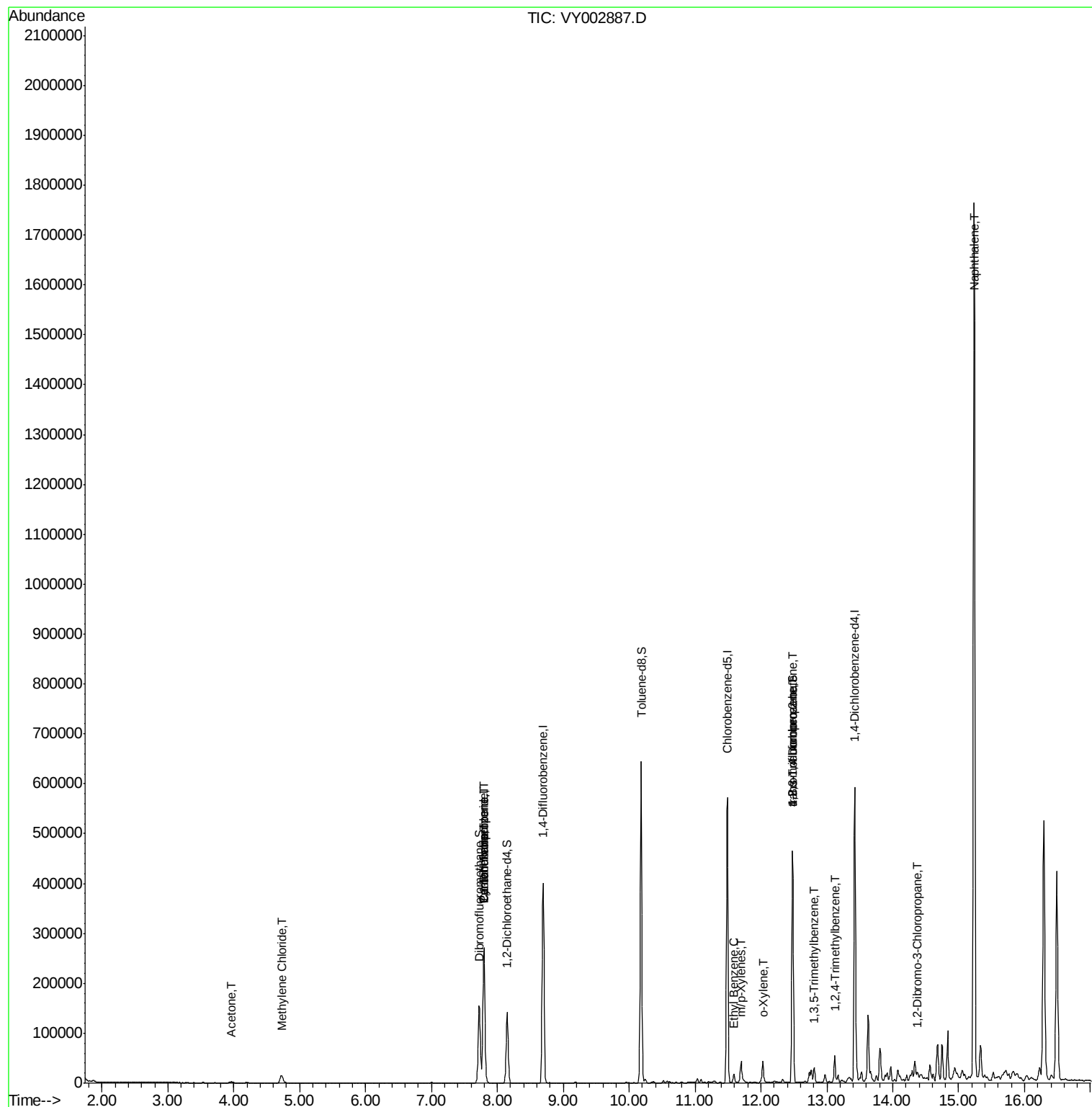
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	3654	7.96	ug/l	98
18) Methyl Acetate	4.49	43	389	Below	Cal	# 48
20) Methylene Chloride	4.72	84	12386	5.52	ug/l	95
31) Cyclohexane	7.80	56	3532	1.06	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	13322	4.33	ug/l	# 49
38) Carbon Tetrachloride	7.80	117	19602	5.73	ug/l	# 16
67) Ethyl Benzene	11.60	91	11727	1.00	ug/l	99
68) m/p-Xylenes	11.70	106	14231	3.14	ug/l	98
69) o-Xylene	12.03	106	11228	2.63	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	66536	46.77	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.81	105	10412	1.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	66536	88.12	ug/l	# 17
84) 1,2,4-Trimethylbenzene	13.12	105	30118	3.55	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	384	1.12	ug/l	# 1
95) Naphthalene	15.23	128	1454299	212.65	ug/l	100

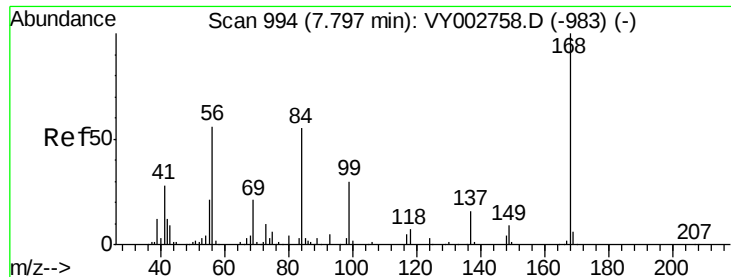
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY061120\
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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: VY002887.D

Acq: 11 Jun 2020 13:22

Instrument :

MSVOA_Y

ClientSampleId :

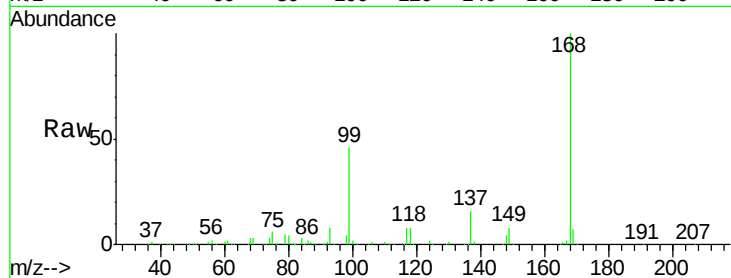
SU-03-061020

Tgt Ion:168 Resp: 225493

Ion Ratio Lower Upper

168 100

99 46.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002887.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002887.D (-945) (-)

7.80

100000

80000

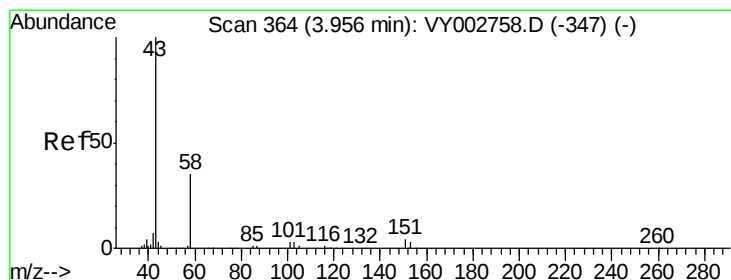
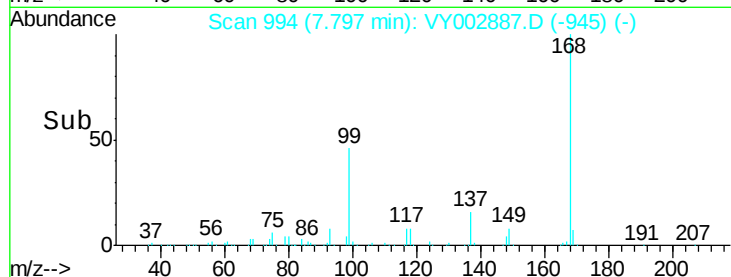
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 7.96 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002887.D

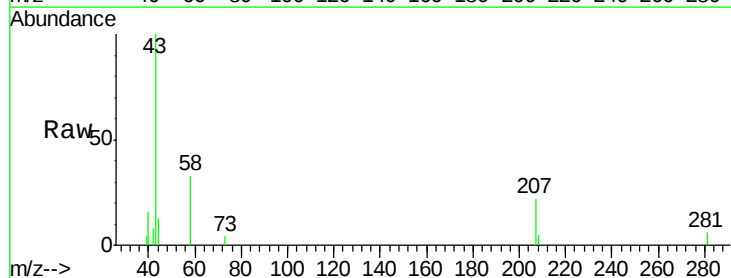
Acq: 11 Jun 2020 13:22

Tgt Ion: 43 Resp: 3654

Ion Ratio Lower Upper

43 100

58 33.3 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY002887.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002887.D (-315) (-)

3.96

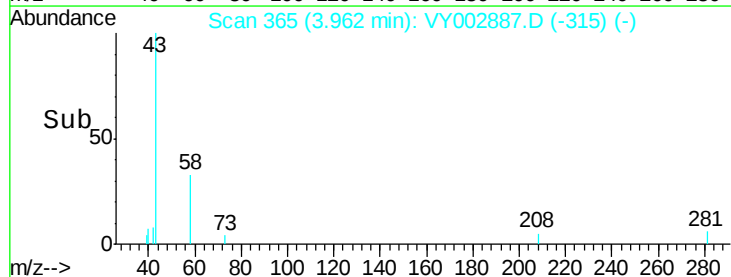
1500

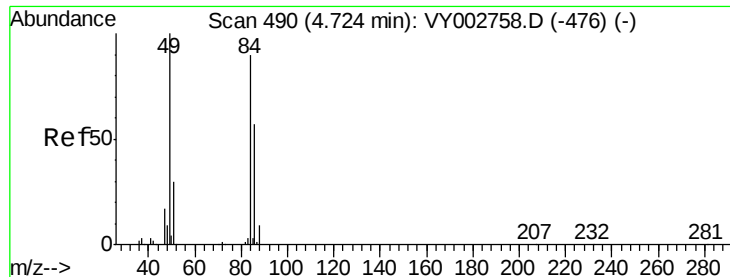
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500

0

Time-->

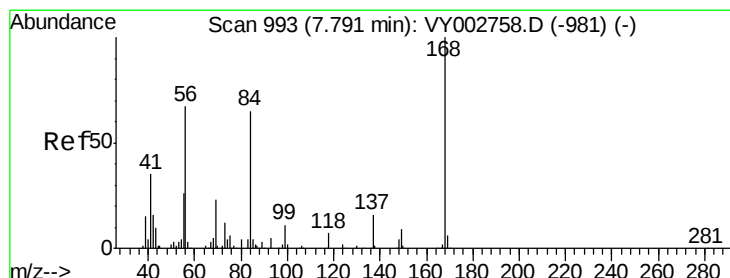
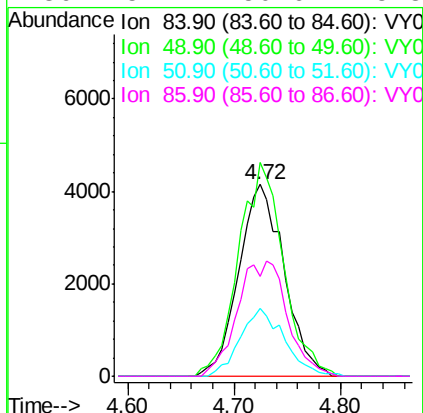
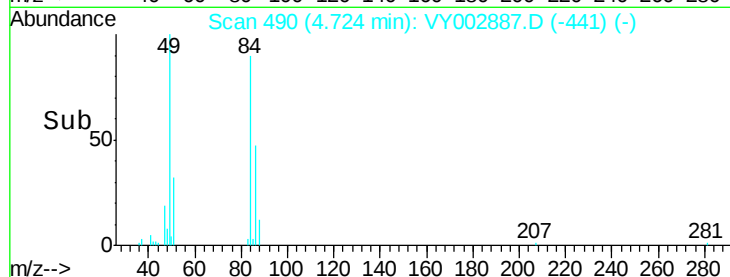
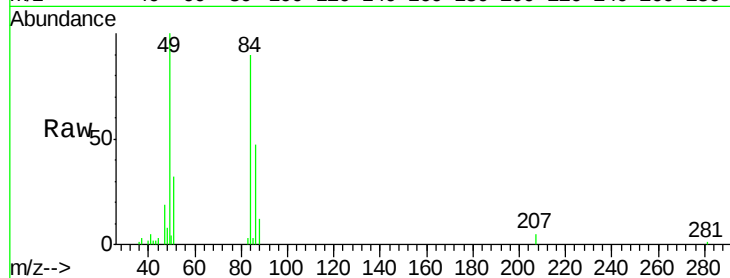




#20
Methylene Chloride
Concen: 5.52 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

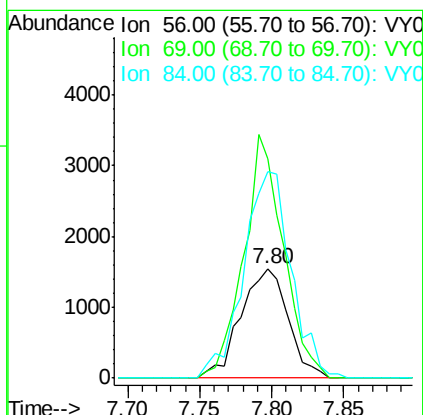
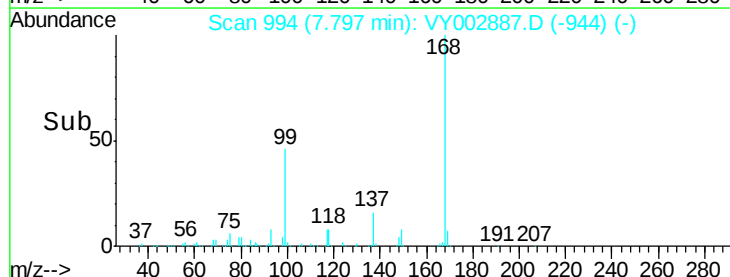
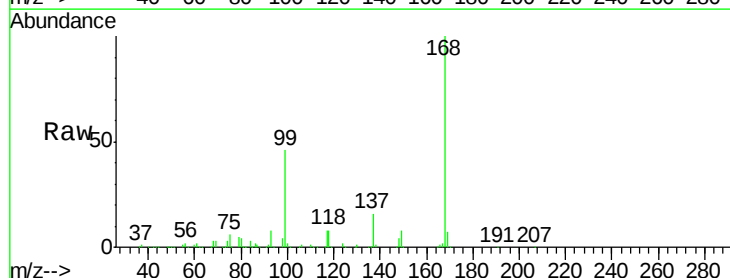
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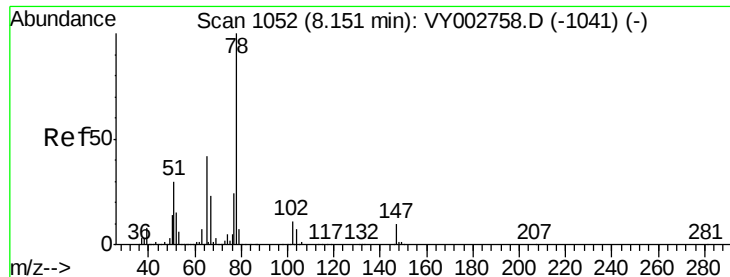
Tgt Ion:	84	Resp:	12386
Ion	Ratio	Lower	Upper
84	100		
49	111.5	88.5	132.7
51	35.6	26.8	40.2
86	52.4	50.6	75.8



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

Tgt Ion:	56	Resp:	3532
Ion	Ratio	Lower	Upper
56	100		
69	200.1	28.0	42.0#
84	187.6	77.7	116.5#

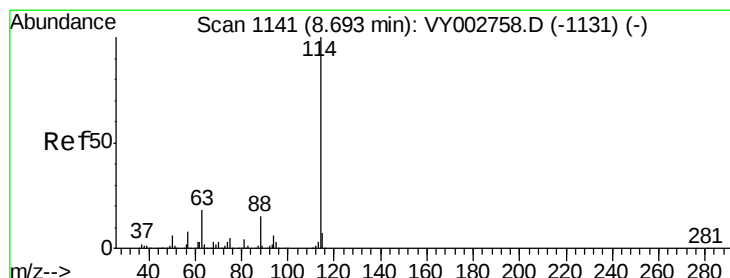
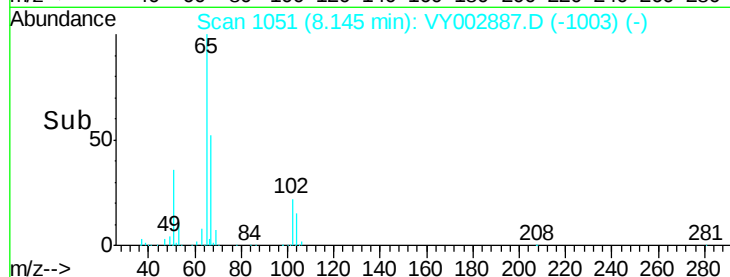
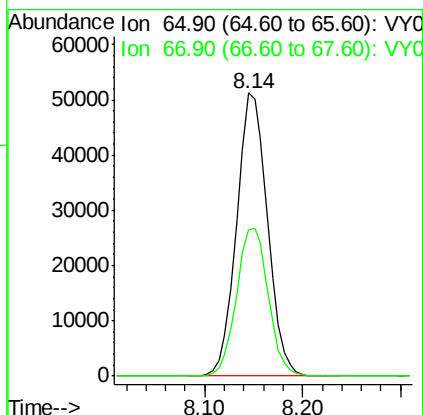
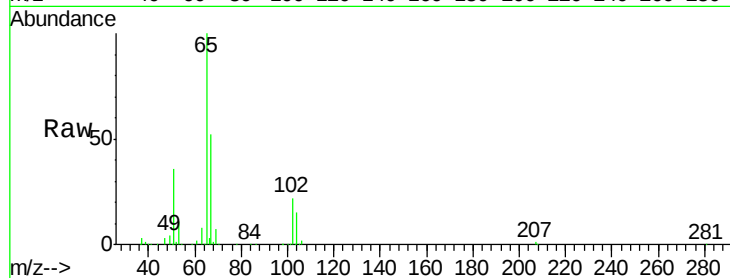




#33
 1,2-Dichloroethane-d4
 Concen: 57.25 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002887.D
 Acq: 11 Jun 2020 13:22

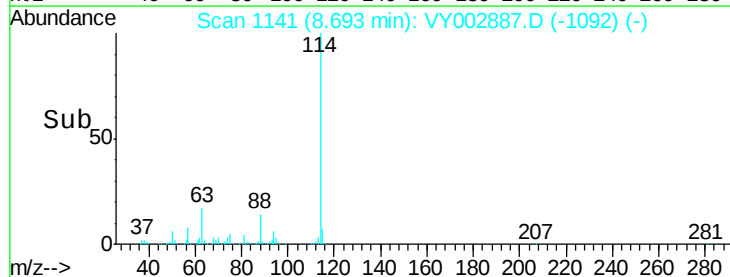
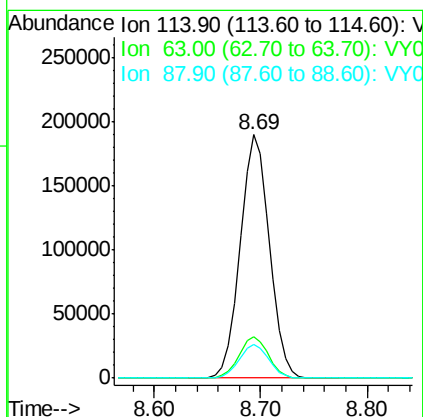
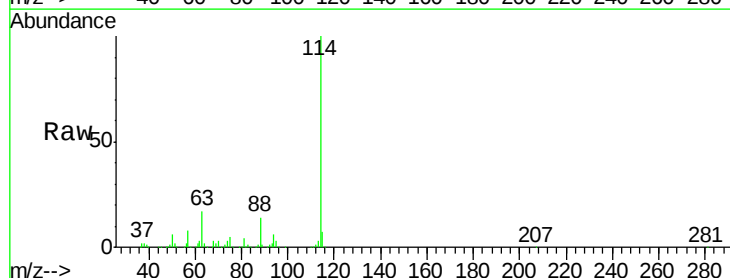
Instrument :
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 ClientSampleId :
 SU-03-061020

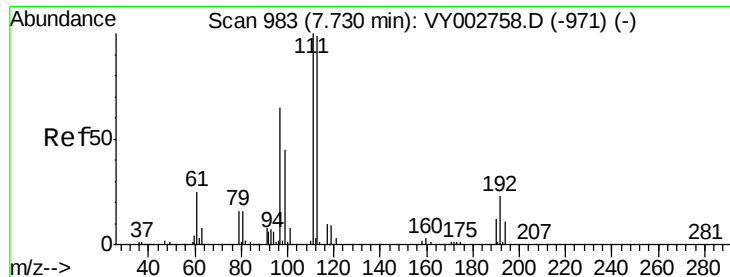
Tgt Ion: 65 Resp: 112092
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002887.D
 Acq: 11 Jun 2020 13:22

Tgt Ion: 114 Resp: 365278
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.2
 88 13.8 0.0 29.2

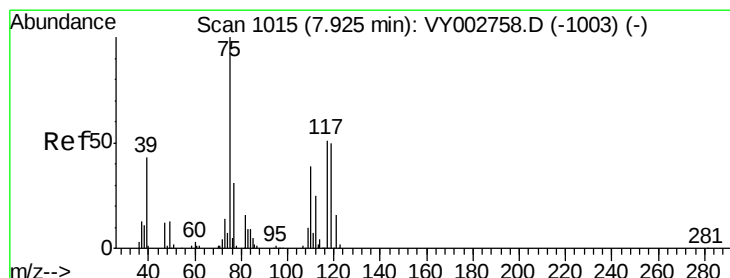
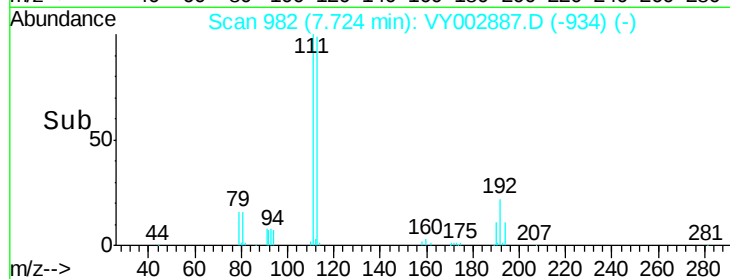
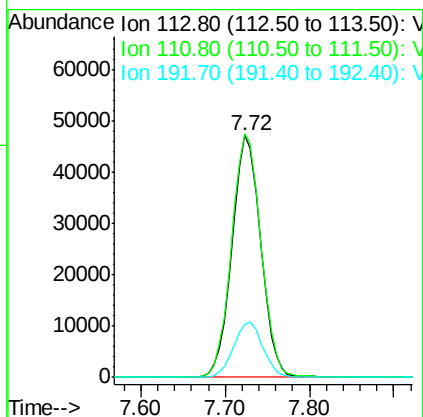
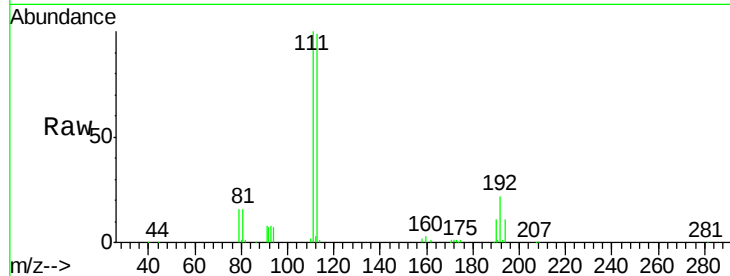




#35
 Dibromofluoromethane
 Concen: 50.89 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002887.D
 Acq: 11 Jun 2020 13:22

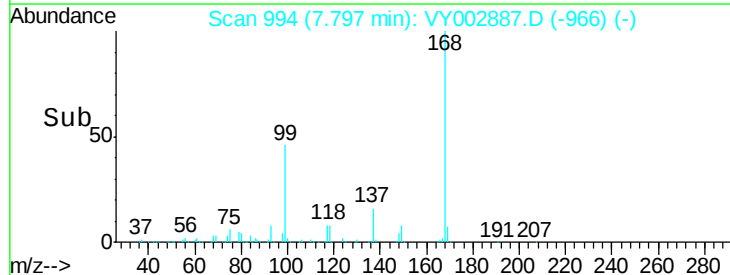
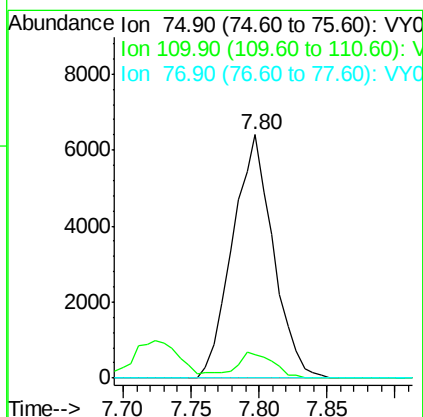
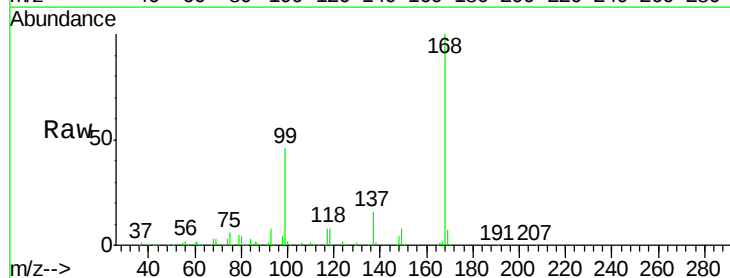
Instrument :
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 ClientSampleId :
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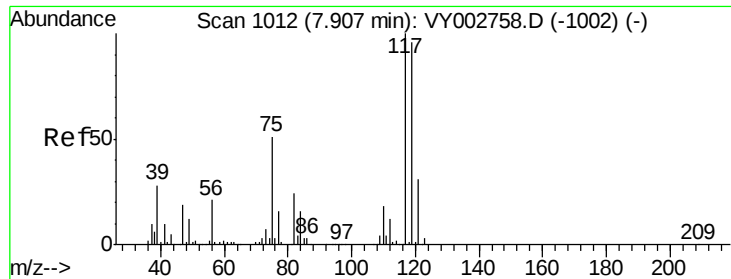
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	23.2	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.33 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002887.D
 Acq: 11 Jun 2020 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.3	57.9#
77	0.0	24.8	37.2#

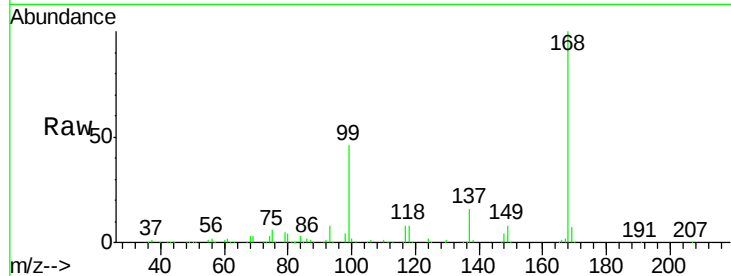




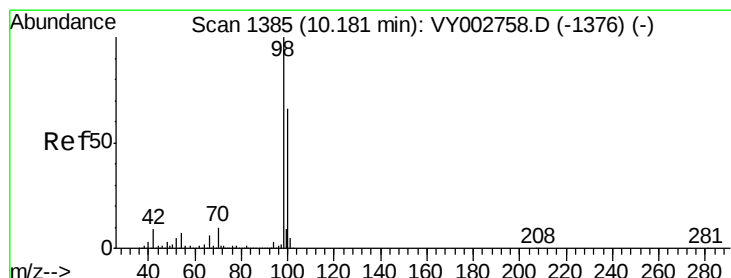
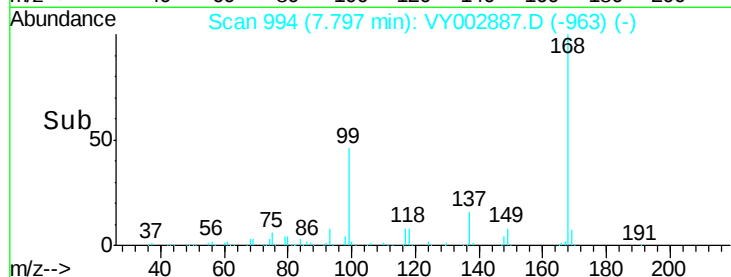
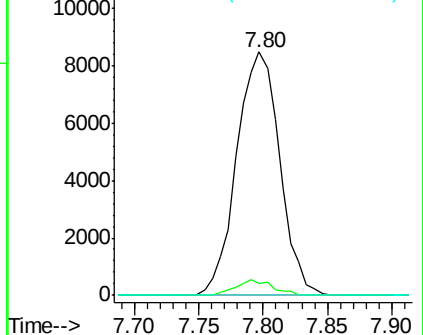
#38
Carbon Tetrachloride
Concen: 5.73 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-061020

Tgt Ion:117 Resp: 19602
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.8 37.2#

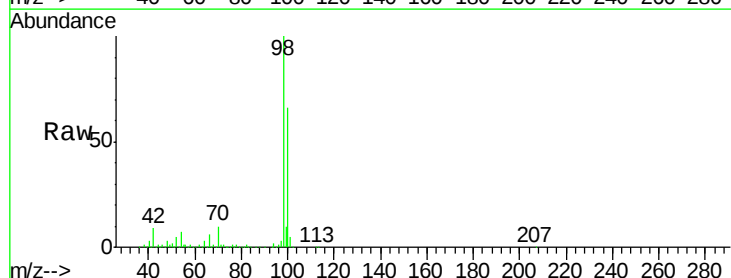


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

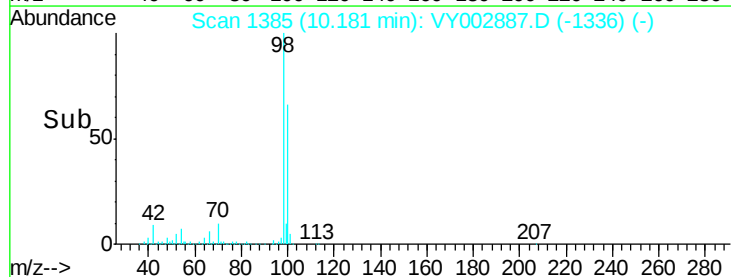
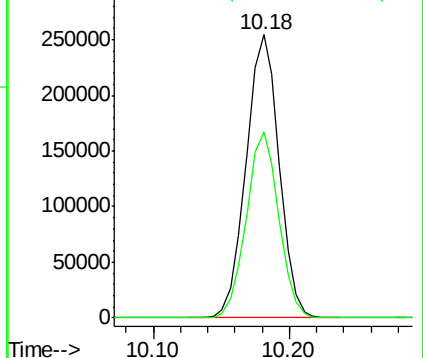


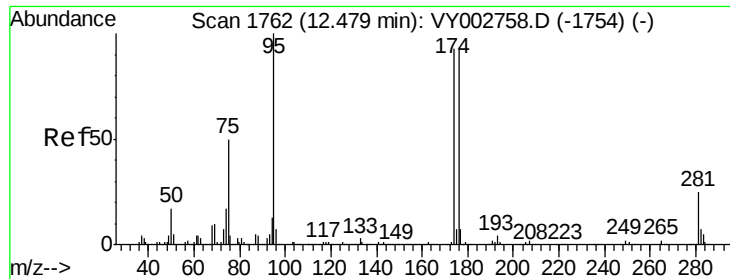
#50
Toluene-d8
Concen: 50.05 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

Tgt Ion: 98 Resp: 433182
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

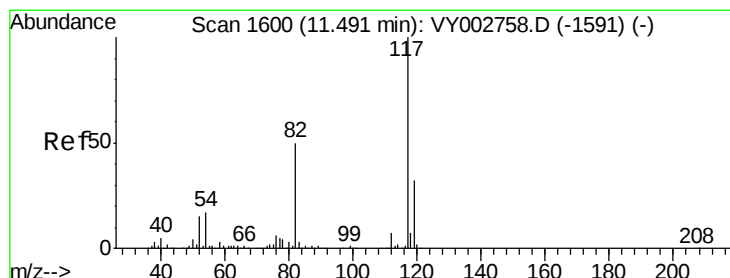
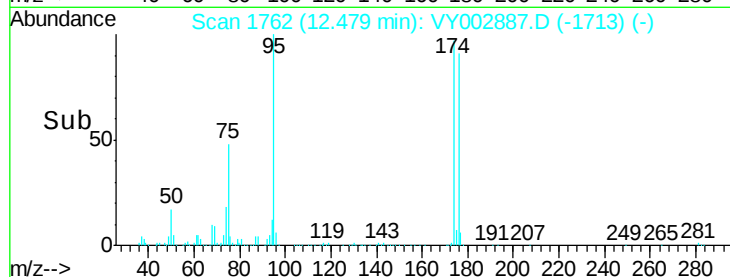
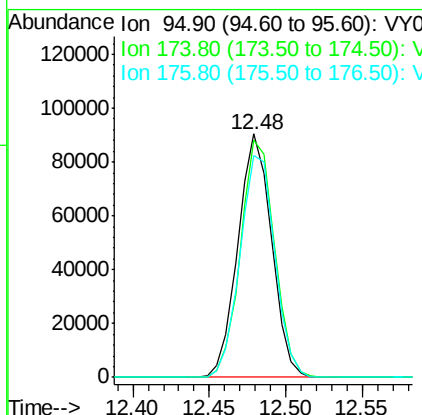
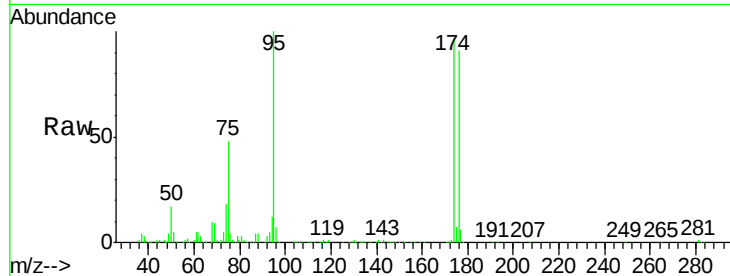




#62
4-Bromofluorobenzene
Concen: 46.59 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

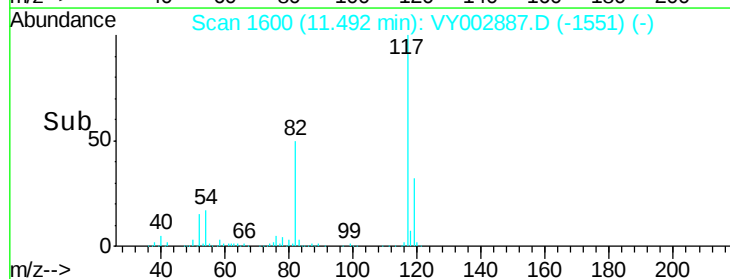
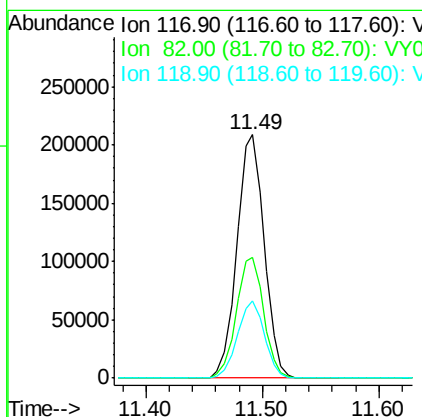
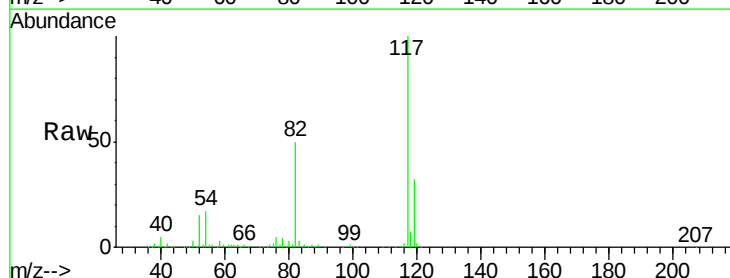
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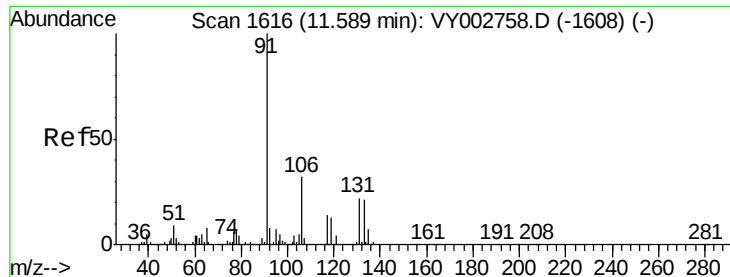
Tgt Ion: 95 Resp: 137813
Ion Ratio Lower Upper
95 100
174 98.4 0.0 191.2
176 94.4 0.0 188.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

Tgt Ion: 117 Resp: 340729
Ion Ratio Lower Upper
117 100
82 49.7 40.2 60.4
119 31.6 25.8 38.8

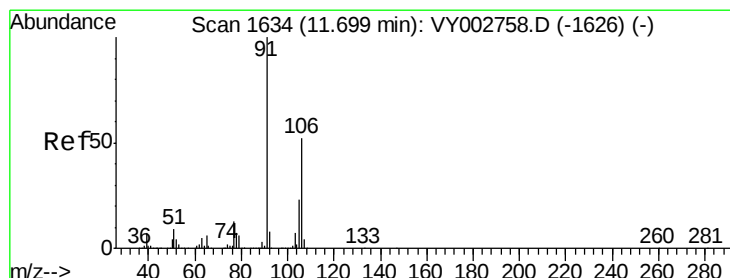
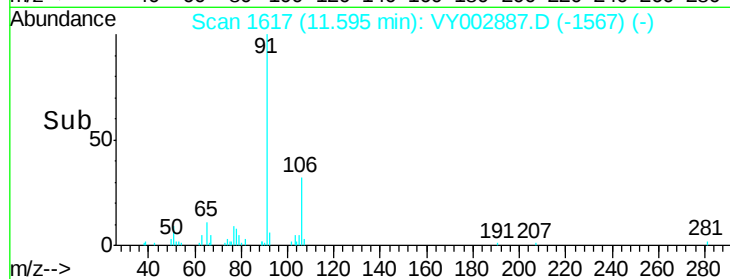
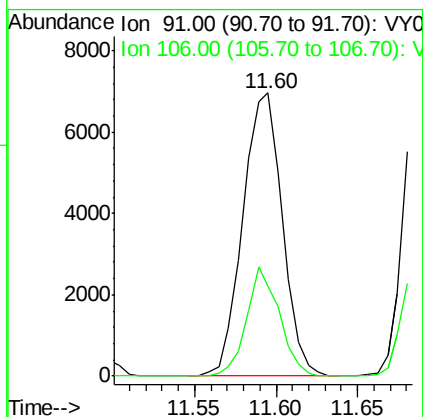
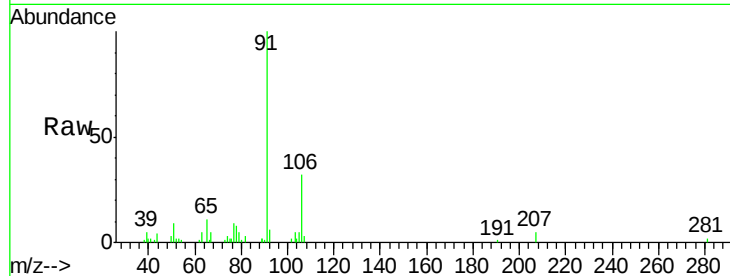




#67
Ethyl Benzene
Concen: 1.00 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

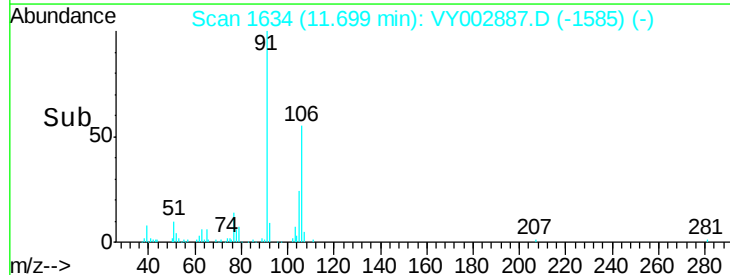
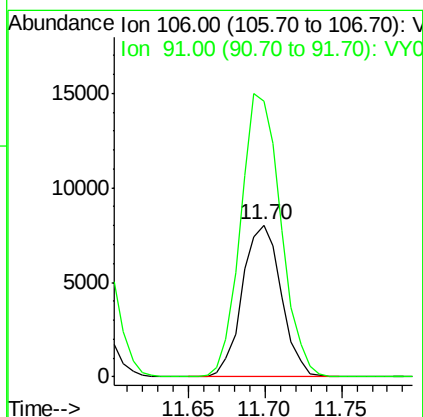
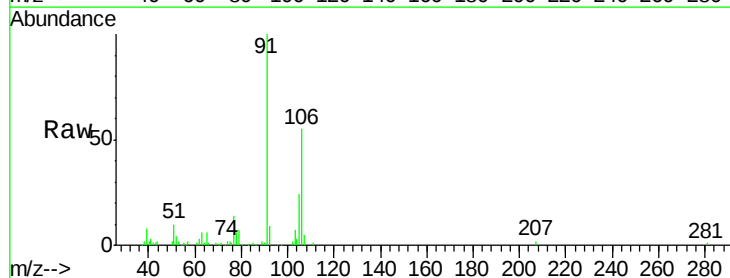
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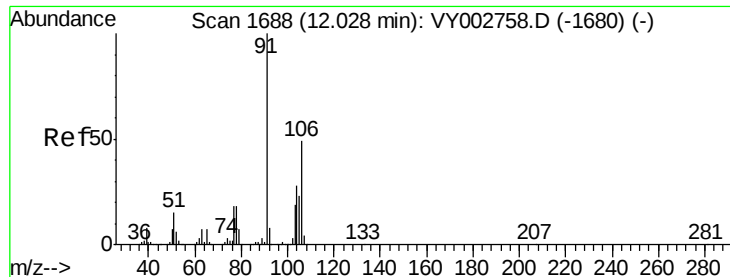
Tgt Ion: 91 Resp: 11727
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5



#68
m/p-Xylenes
Concen: 3.14 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

Tgt Ion: 106 Resp: 14231
Ion Ratio Lower Upper
106 100
91 192.0 156.0 234.0

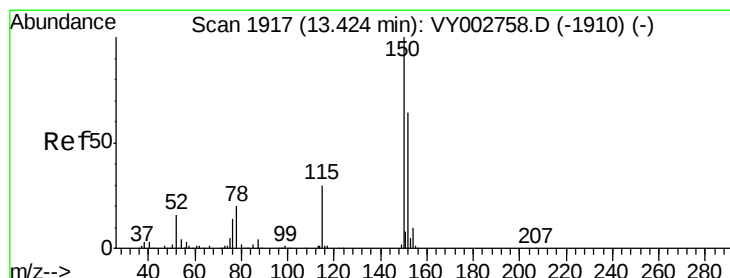
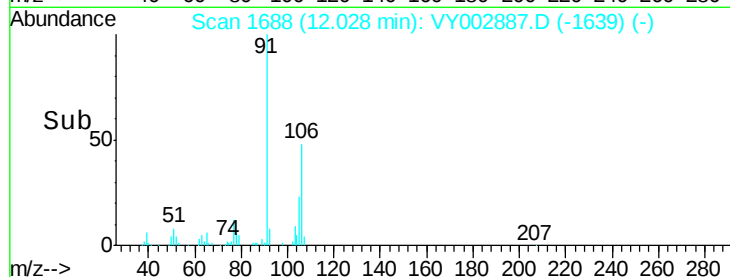
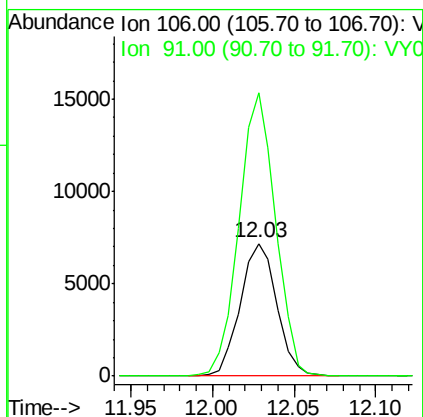
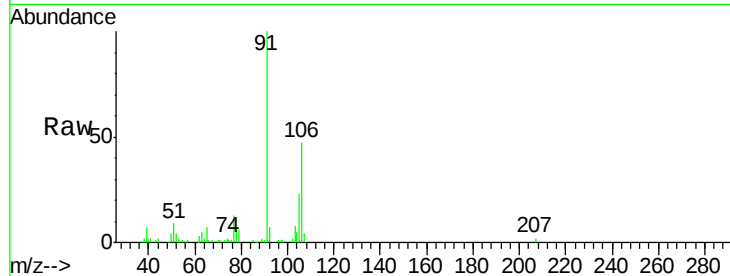




#69
o-Xylene
Concen: 2.63 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

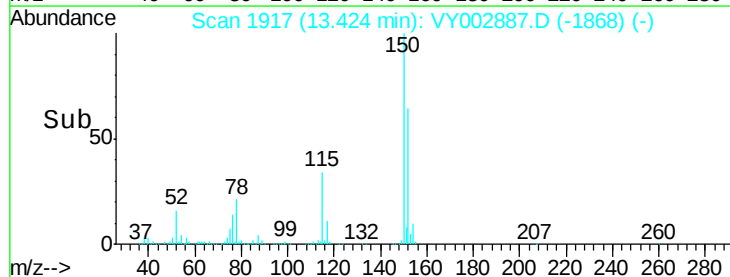
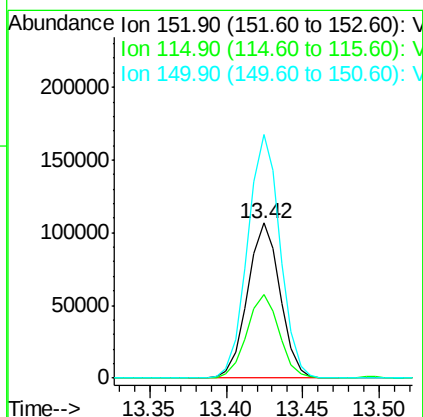
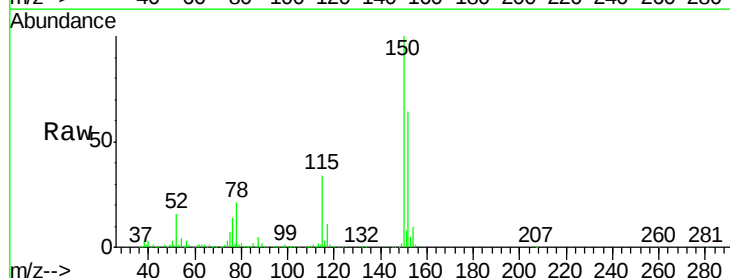
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-061020

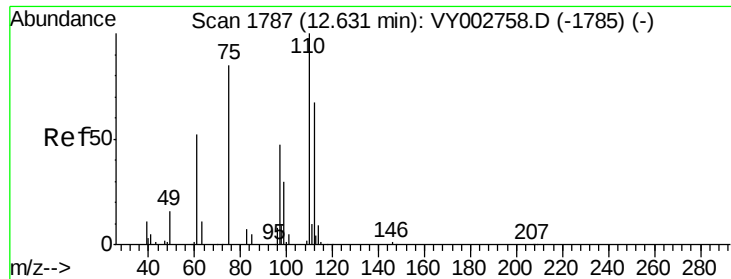
Tgt Ion:106 Resp: 11228
Ion Ratio Lower Upper
106 100
91 212.8 102.4 307.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002887.D
Acq: 11 Jun 2020 13:22

Tgt Ion:152 Resp: 157867
Ion Ratio Lower Upper
152 100
115 54.1 27.0 81.0
150 157.1 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 46.77 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002887.D

Acq: 11 Jun 2020 13:22

Instrument :

MSVOA_Y

ClientSampleId :

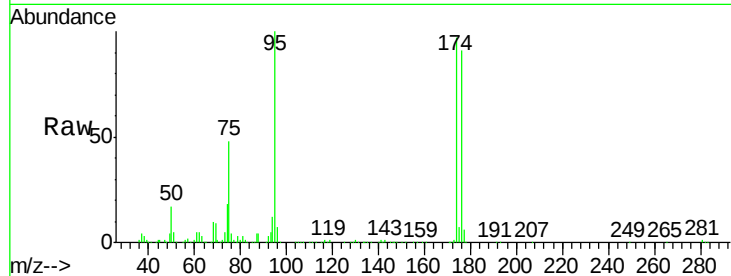
SU-03-061020

Tgt Ion: 75 Resp: 66536

Ion Ratio Lower Upper

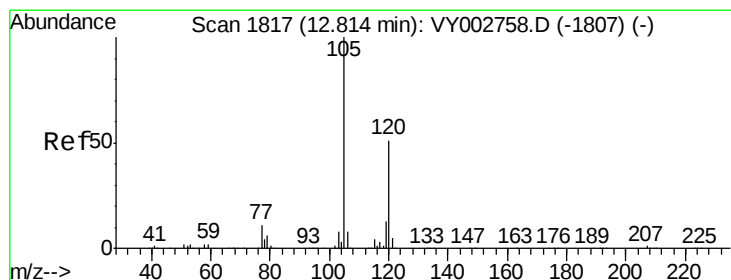
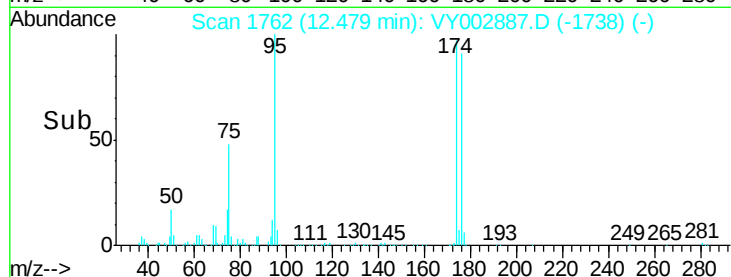
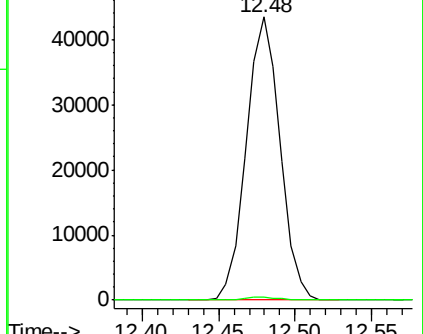
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY002887.D (-1738) (-)

Ion 77.00 (76.70 to 77.70): VY002887.D (-1738) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.23 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002887.D

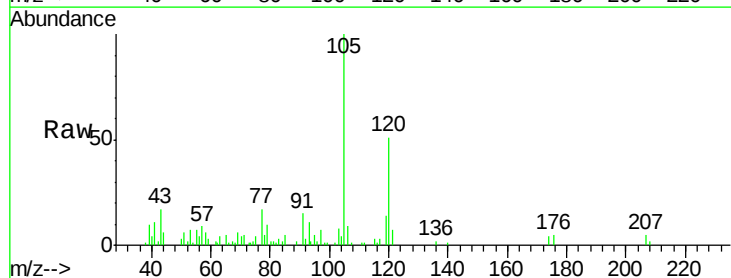
Acq: 11 Jun 2020 13:22

Tgt Ion: 105 Resp: 10412

Ion Ratio Lower Upper

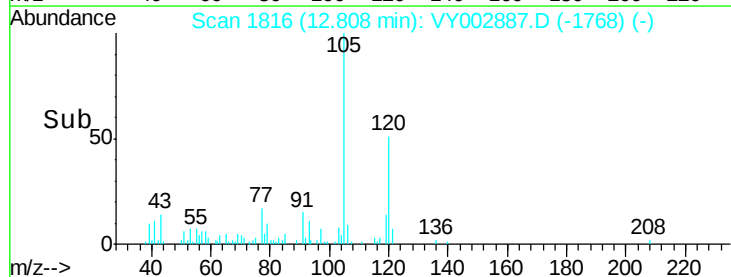
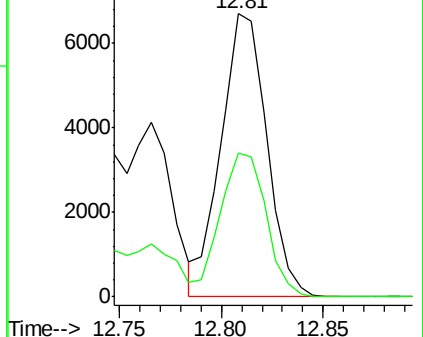
105 100

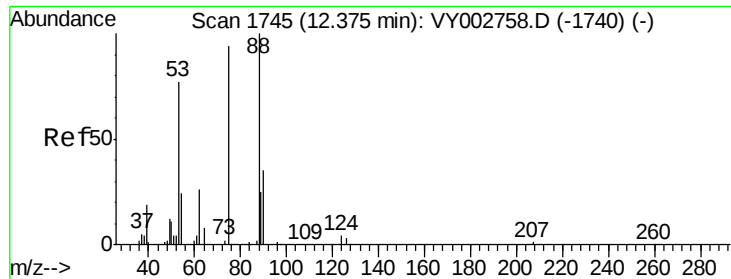
120 51.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002887.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002887.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 88.12 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002887.D

Acq: 11 Jun 2020 13:22

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-061020

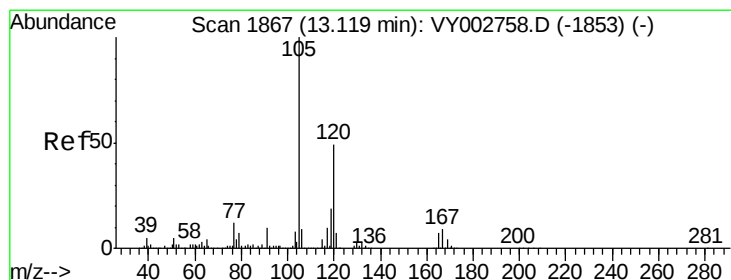
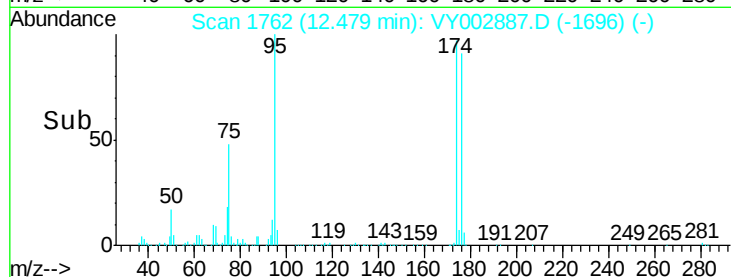
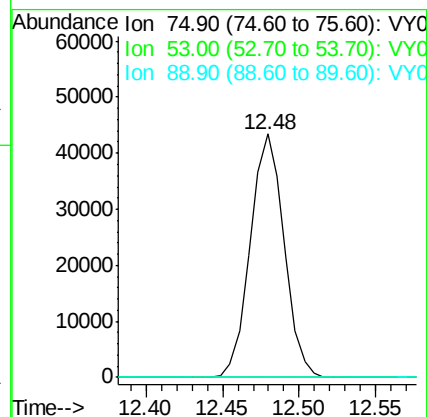
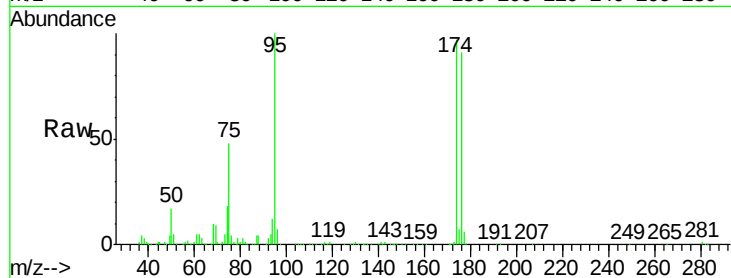
Tgt Ion: 75 Resp: 66536

Ion Ratio Lower Upper

75 100

53 0.1 64.0 96.0#

89 0.0 37.4 56.2#



#84

1,2,4-Trimethylbenzene

Concen: 3.55 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002887.D

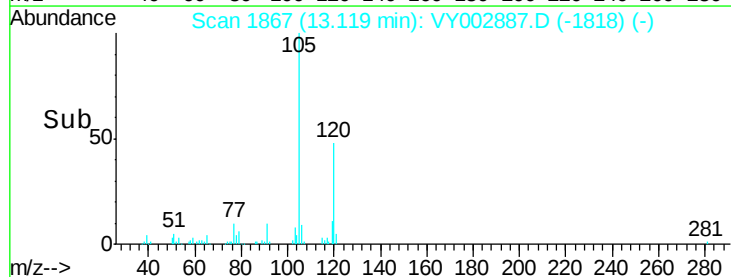
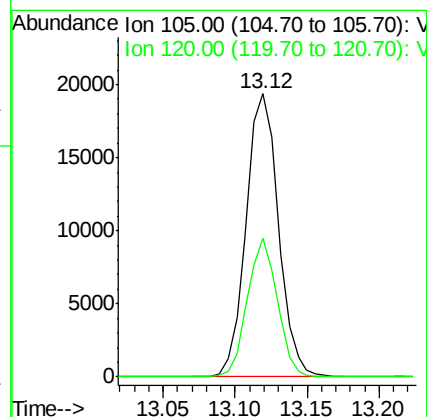
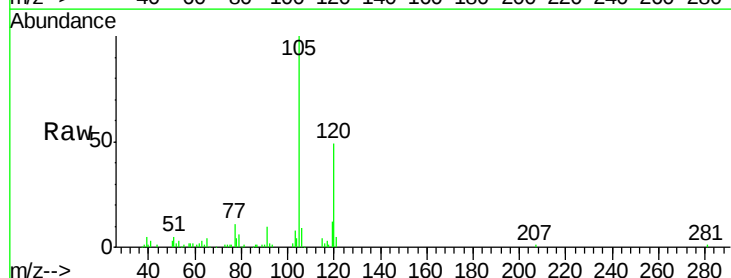
Acq: 11 Jun 2020 13:22

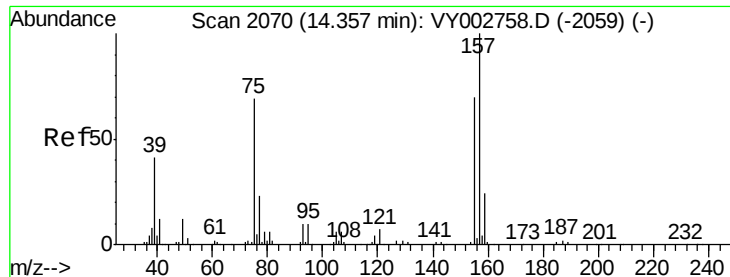
Tgt Ion: 105 Resp: 30118

Ion Ratio Lower Upper

105 100

120 45.1 23.6 70.8

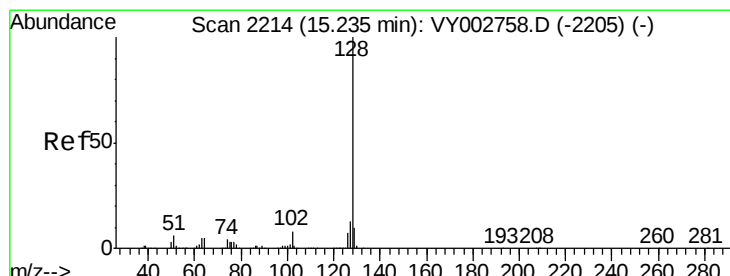
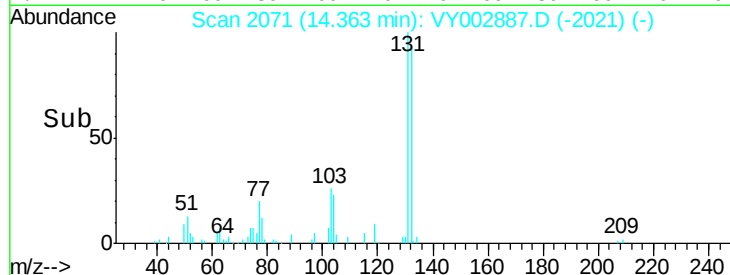
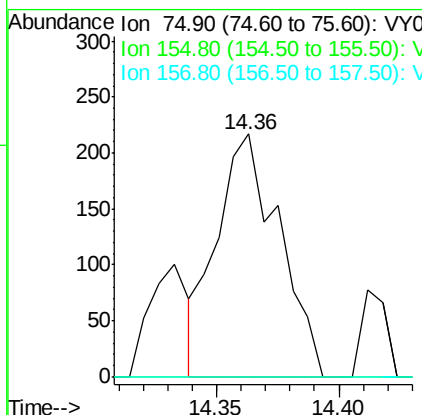
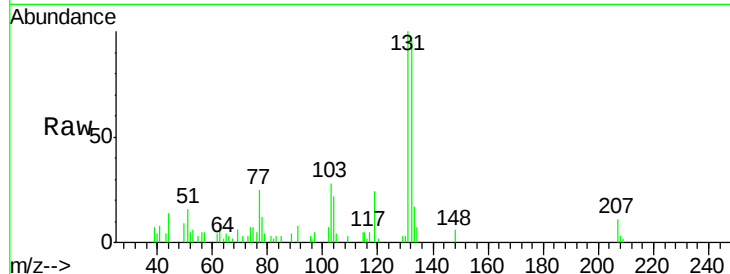




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.12 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.01 min
 Lab File: VY002887.D
 Acq: 11 Jun 2020 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-061020

Tgt Ion: 75 Resp: 384
 Ion Ratio Lower Upper
 75 100
 155 0.0 53.5 160.5#
 157 0.0 69.9 209.7#



#95
 Naphthalene
 Concen: 212.65 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY002887.D
 Acq: 11 Jun 2020 13:22

Tgt Ion: 128 Resp: 1454299
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 11.1 8.7 13.1

