

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
 Data File : VY001186.D
 Acq On : 13 Jan 2020 17:38
 Operator : SY/MD
 Sample : L1004-07
 Misc : 6.89G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-RO-229

Quant Time: Jan 14 10:13:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	141926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	261121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	233768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	97482	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	80998	54.04	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.73	113	78454	51.32	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.18	98	307492	52.20	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.48	95	109009	45.26	ug/l	0.00
Spiked Amount						

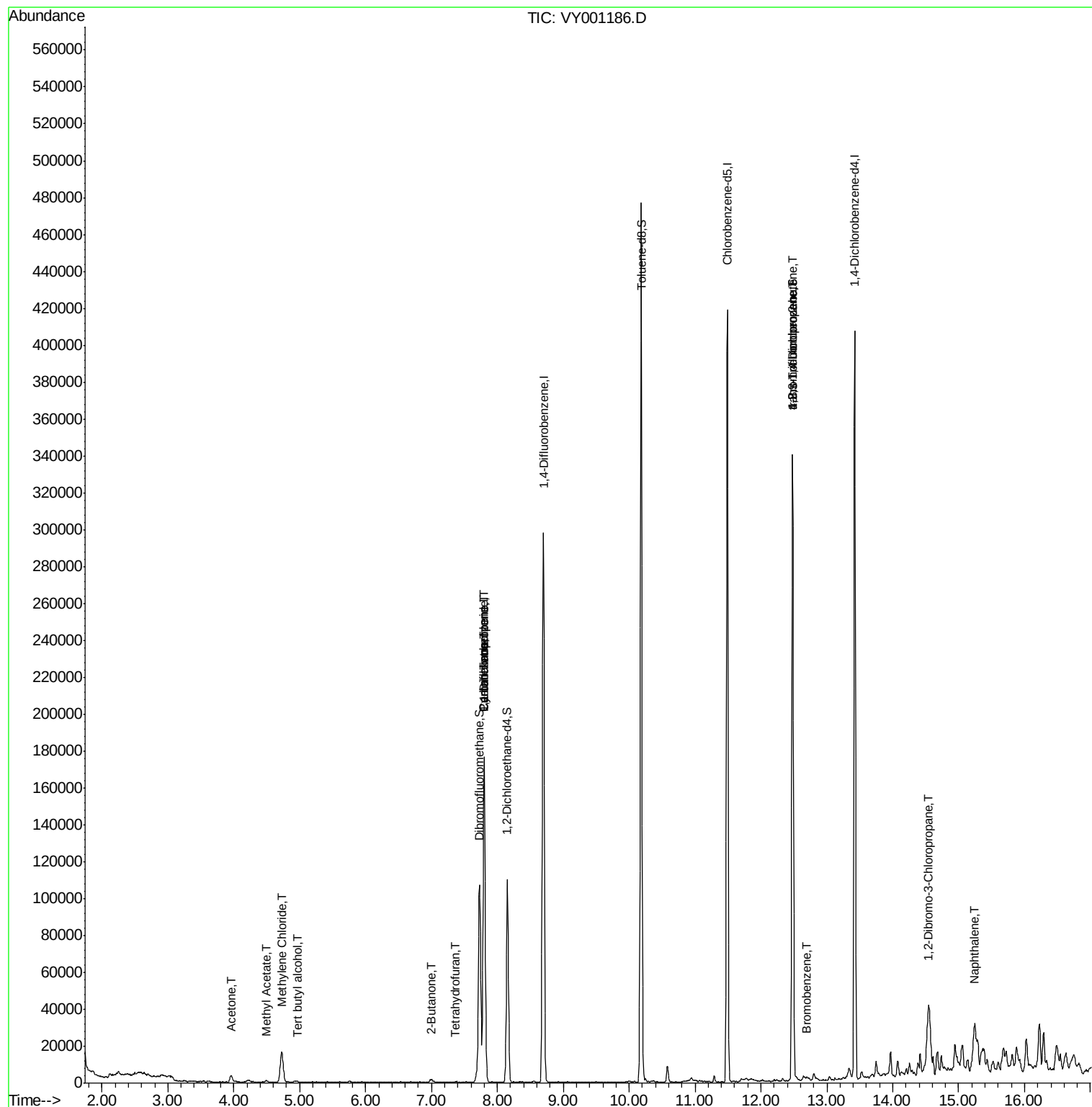
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	209	1.386	ug/l #	56
16) Acetone	3.96	43	6089	17.491	ug/l	98
18) Methyl Acetate	4.49	43	2168	1.884	ug/l #	85
20) Methylene Chloride	4.73	84	12916	2.741	ug/l	97
25) 2-Butanone	7.00	43	702	1.296	ug/l #	47
29) Tetrahydrofuran	7.36	42	440	1.185	ug/l #	50
31) Cyclohexane	7.80	56	3150	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10483	4.405	ug/l #	47
38) Carbon Tetrachloride	7.80	117	13719	6.290	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	52069	49.896	ug/l #	100
77) Bromobenzene	12.69	156	2903	1.793	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	52069	84.612	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.55	75	1942	6.982	ug/l #	1
95) Naphthalene	15.23	128	6850	1.569	ug/l #	94

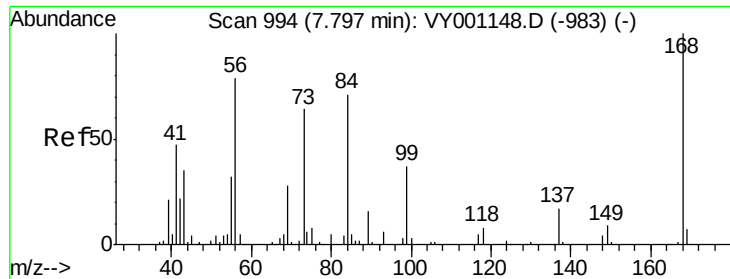
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

Instrument :

MSVOA_Y

ClientSampleId :

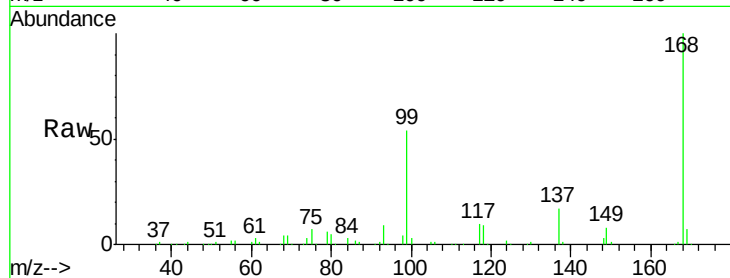
BU-RO-229

Tgt Ion:168 Resp: 141926

Ion Ratio Lower Upper

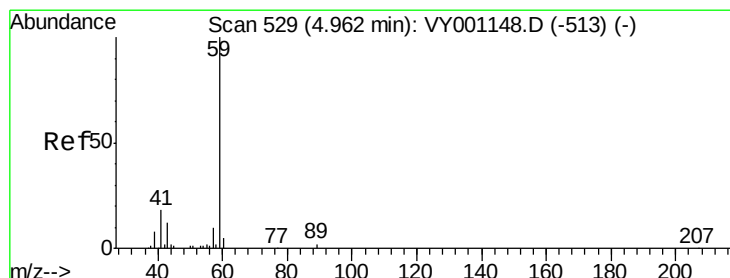
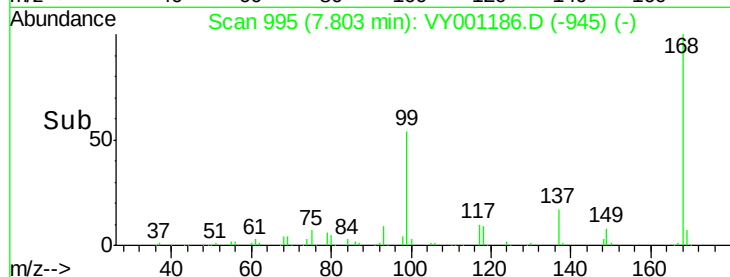
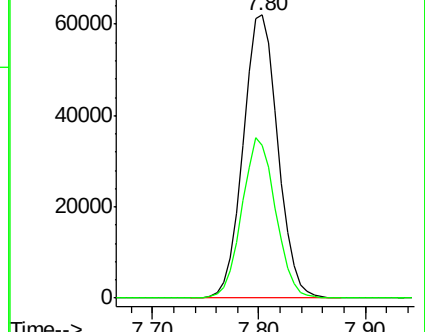
168 100

99 54.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001186.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001186.D (-945) (-)



#11

Tert butyl alcohol

Concen: 1.386 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.00 min

Lab File: VY001186.D

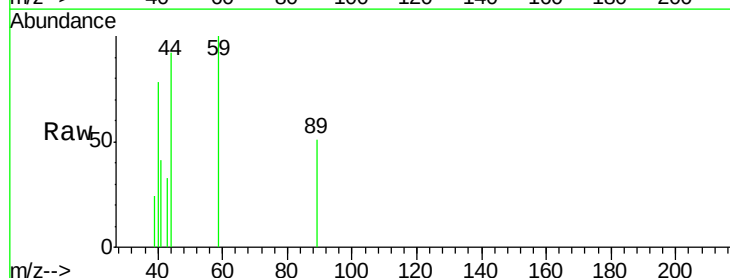
Acq: 13 Jan 2020 17:38

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

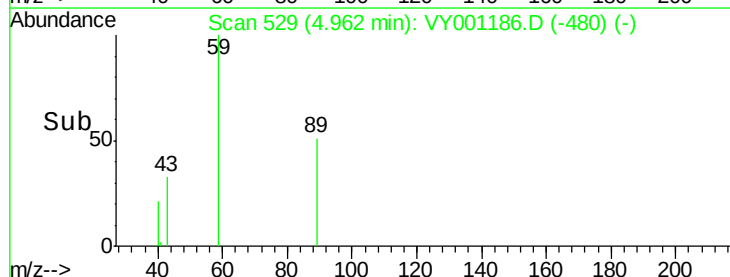
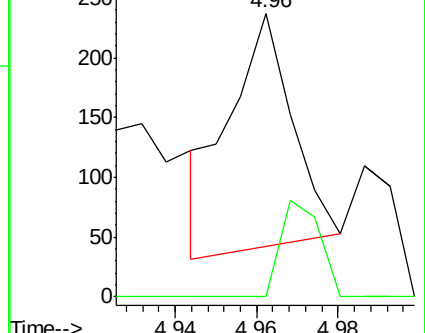
59 100

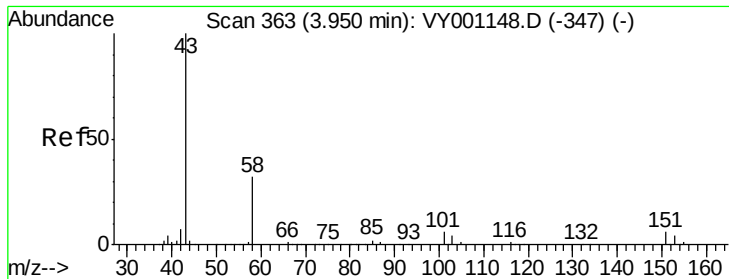
57 25.8 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001186.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY001186.D (-480) (-)





#16

Acetone

Concen: 17.491 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

Instrument :

MSVOA_Y

ClientSampleId :

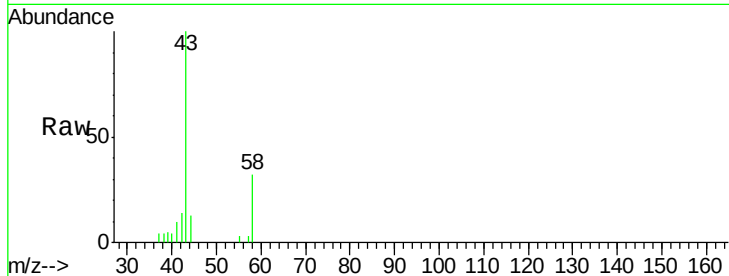
BU-RO-229

Tgt Ion: 43 Resp: 6089

Ion Ratio Lower Upper

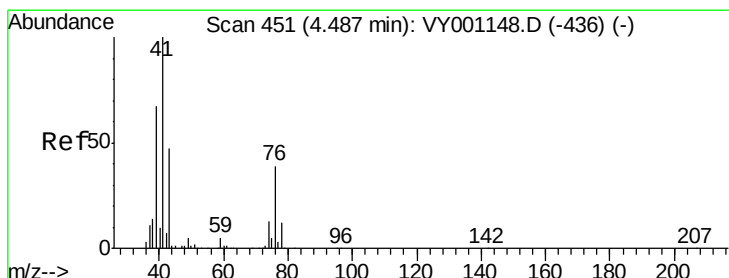
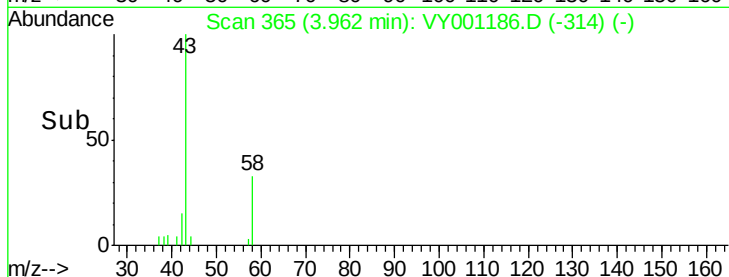
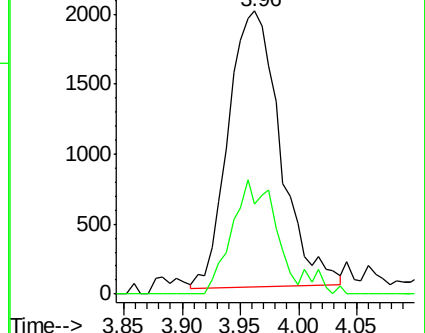
43 100

58 33.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001186.D (-365) (-)

Ion 58.00 (57.70 to 58.70): VY001186.D (-365) (-)



#18

Methyl Acetate

Concen: 1.884 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY001186.D

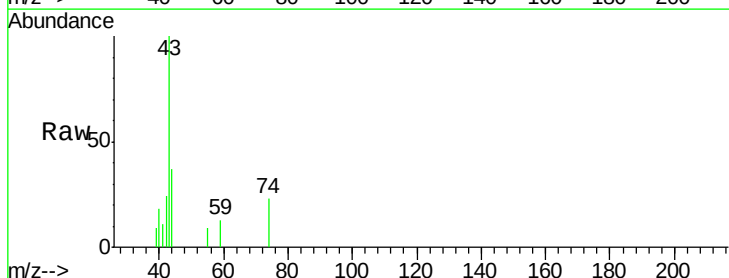
Acq: 13 Jan 2020 17:38

Tgt Ion: 43 Resp: 2168

Ion Ratio Lower Upper

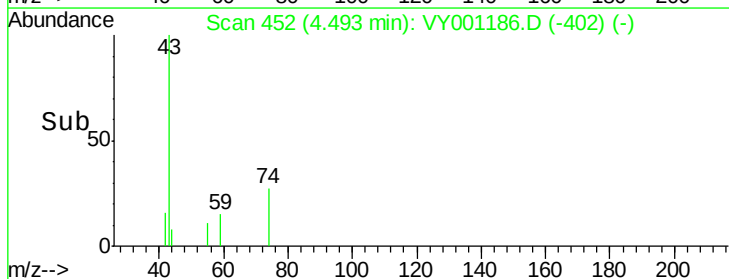
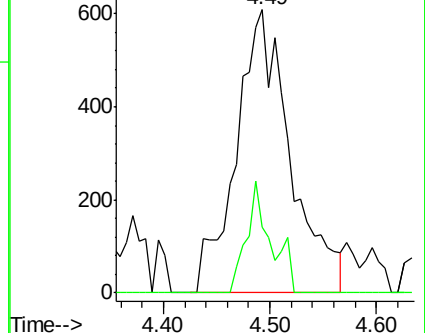
43 100

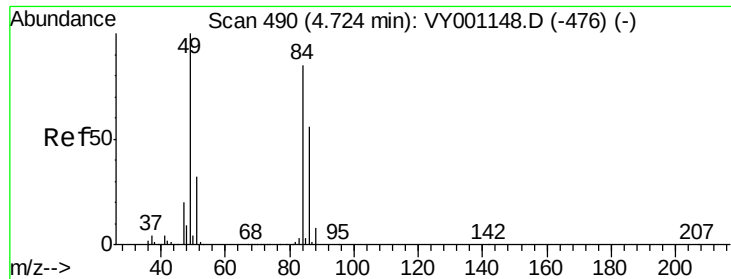
74 17.9 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VY001186.D (-452) (-)

Ion 74.00 (73.70 to 74.70): VY001186.D (-452) (-)

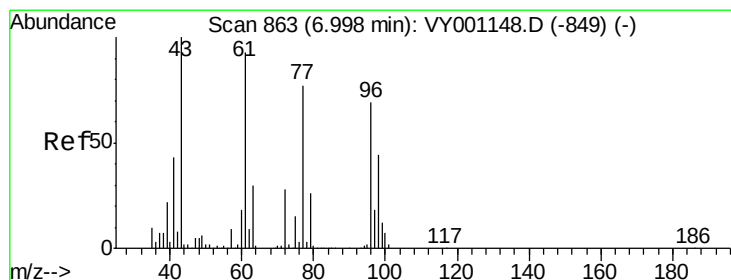
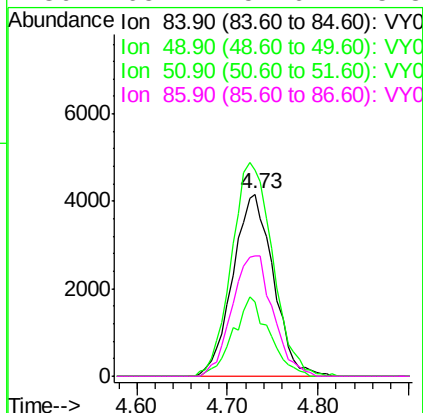
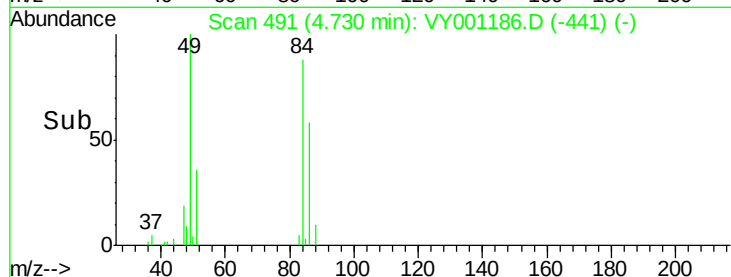
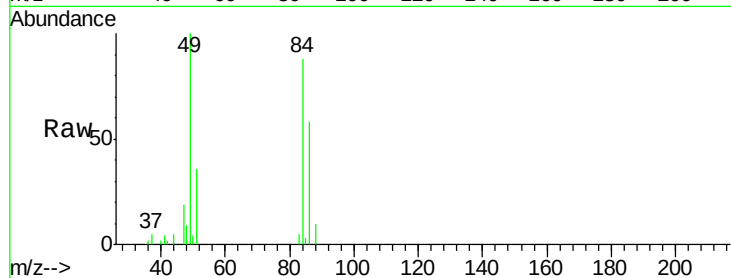




#20
Methylene Chloride
Concen: 2.741 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001186.D
Acq: 13 Jan 2020 17:38

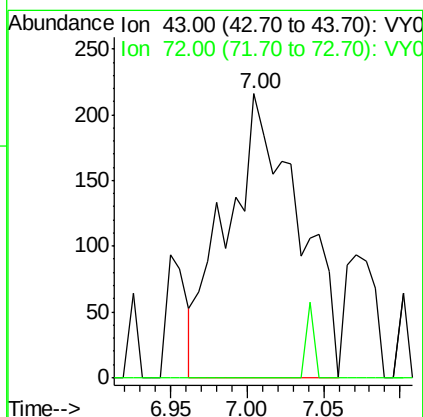
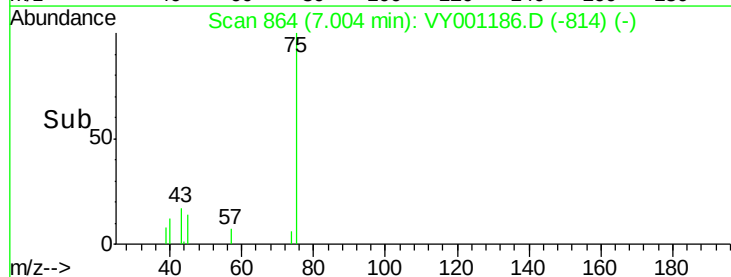
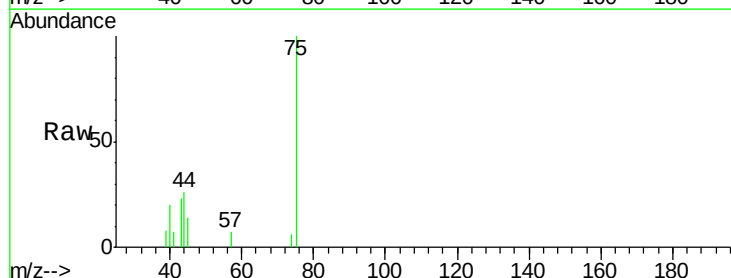
Instrument :
MSVOA_Y
ClientSampled :
BU-RO-229

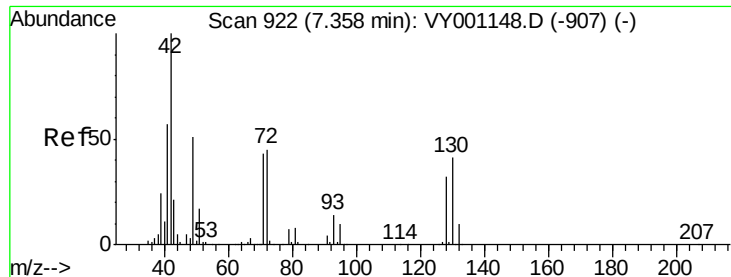
Tgt Ion:	84	Resp:	12916
Ion	Ratio	Lower	Upper
84	100		
49	113.2	93.8	140.6
51	40.7	29.9	44.9
86	65.7	52.6	78.8



#25
2-Butanone
Concen: 1.296 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001186.D
Acq: 13 Jan 2020 17:38

Tgt Ion:	43	Resp:	702
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.2#





#29

Tetrahydrofuran

Concen: 1.185 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-229

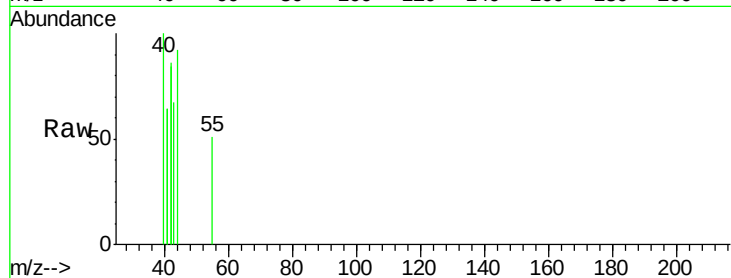
Tgt Ion: 42 Resp: 440

Ion Ratio Lower Upper

42 100

72 10.5 36.9 55.3#

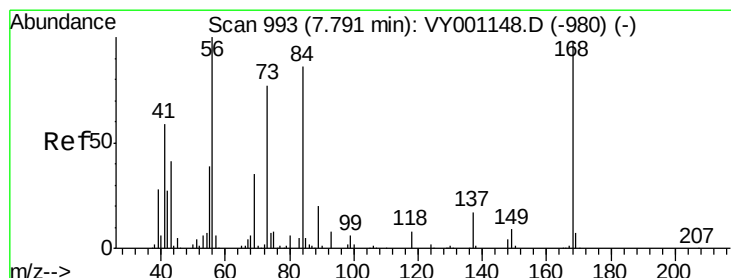
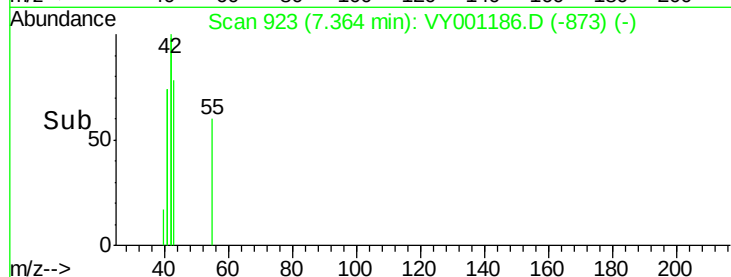
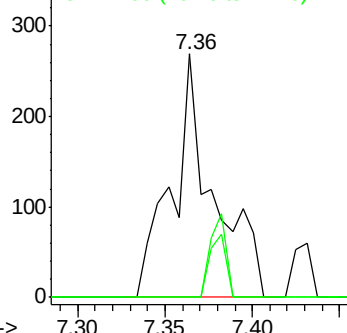
71 13.2 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

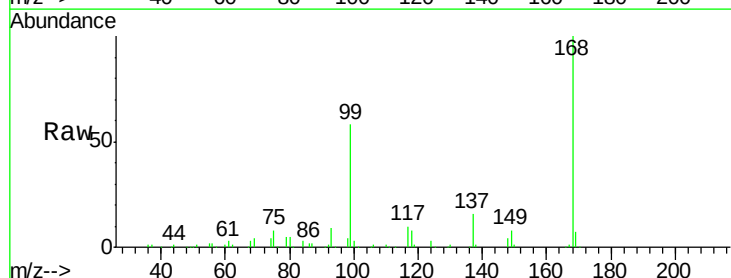
Tgt Ion: 56 Resp: 3150

Ion Ratio Lower Upper

56 100

69 180.0 27.8 41.8#

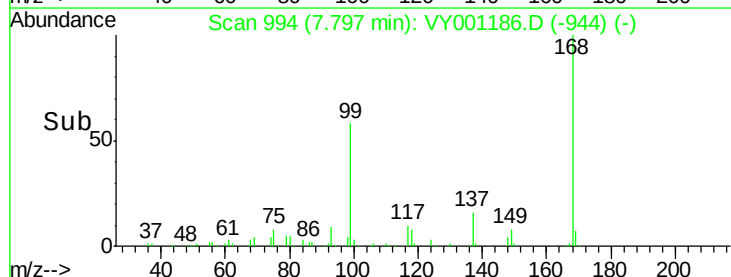
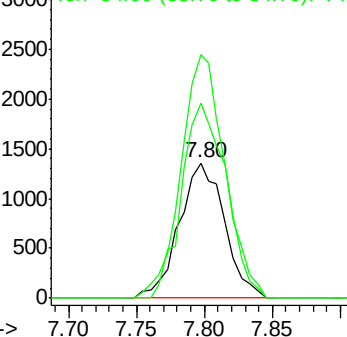
84 144.2 68.9 103.3#

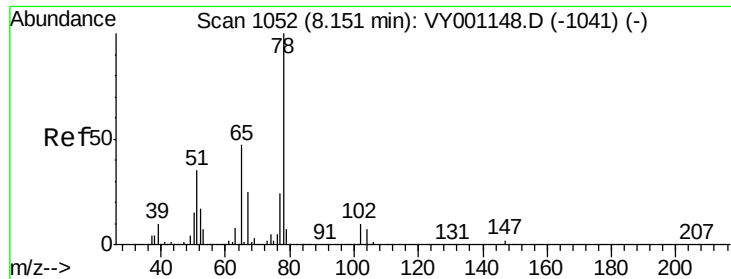


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

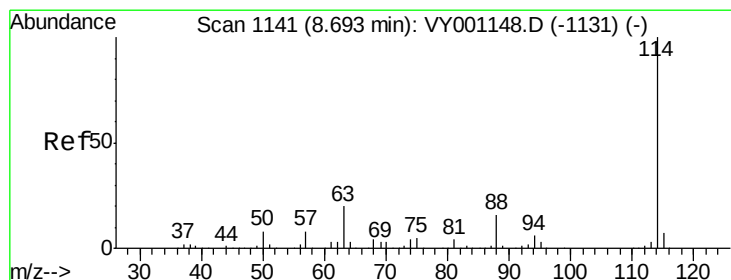
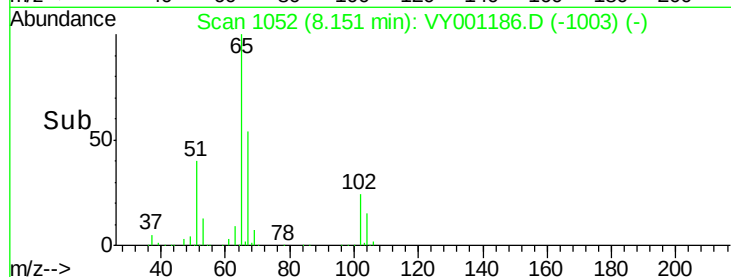
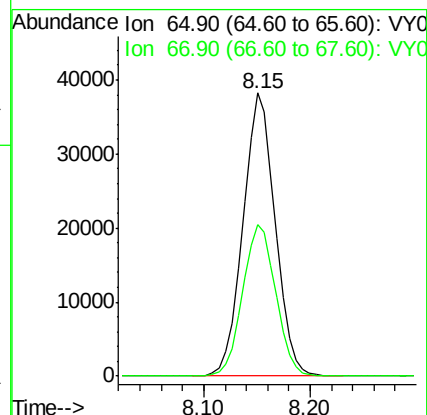
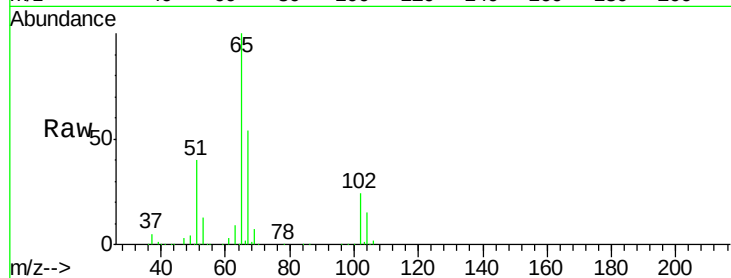




#33
 1,2-Dichloroethane-d4
 Concen: 54.035 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001186.D
 Acq: 13 Jan 2020 17:38

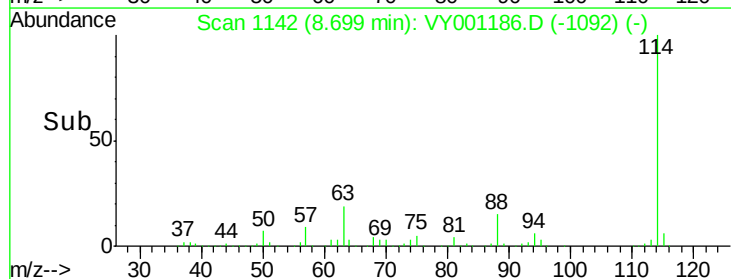
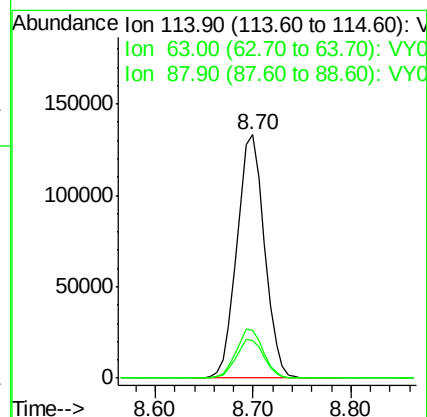
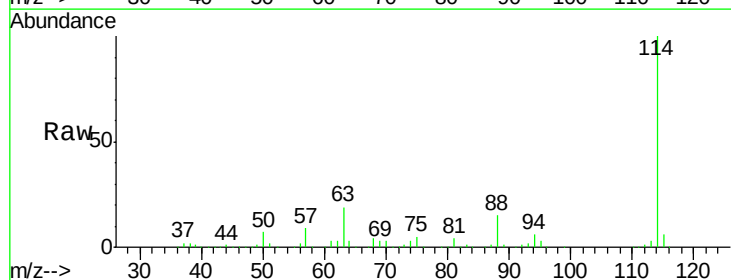
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-RO-229

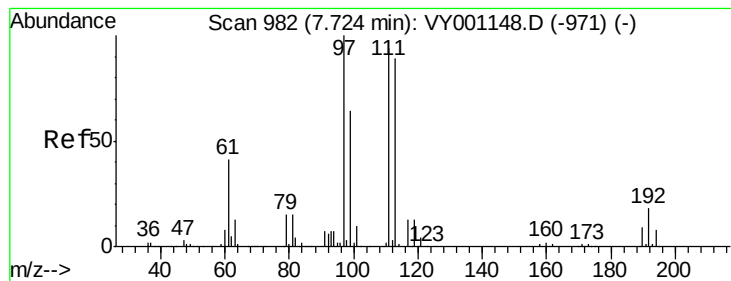
Tgt Ion: 65 Resp: 80998
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001186.D
 Acq: 13 Jan 2020 17:38

Tgt Ion: 114 Resp: 261121
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.315 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-229

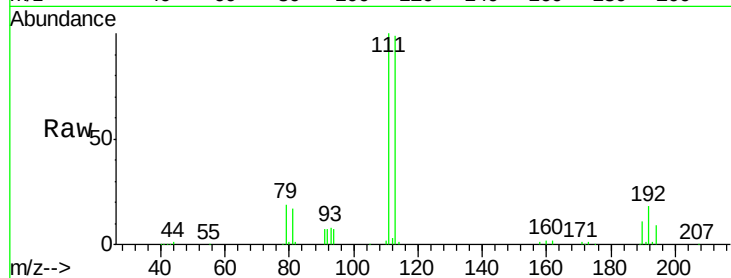
Tgt Ion:113 Resp: 78454

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

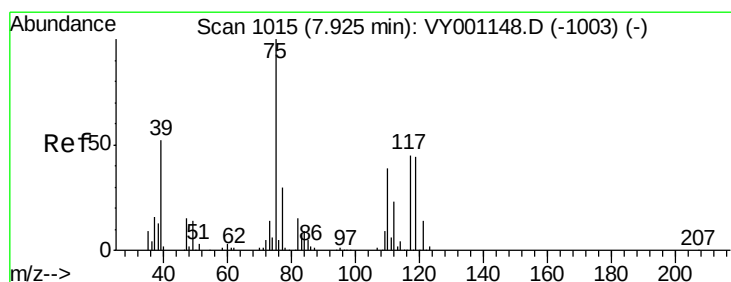
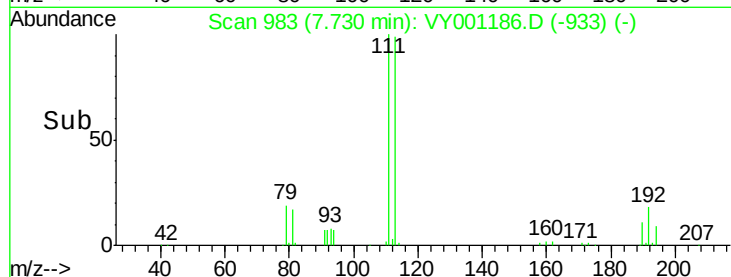
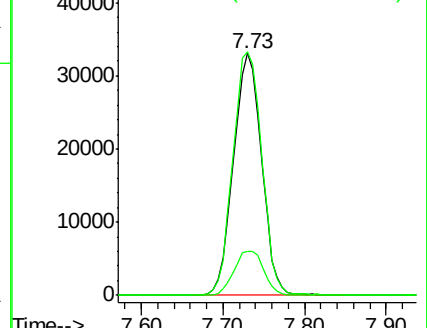
192 19.4 15.4 23.2



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: 4.405 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

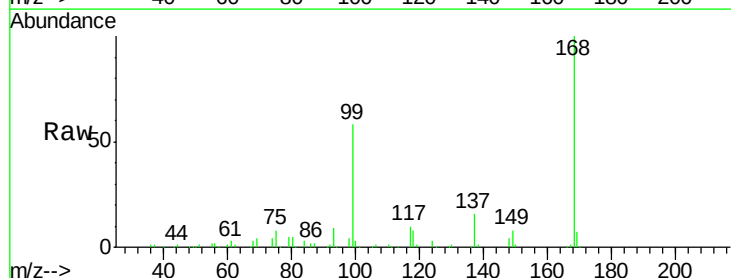
Tgt Ion: 75 Resp: 10483

Ion Ratio Lower Upper

75 100

110 7.4 18.3 54.8#

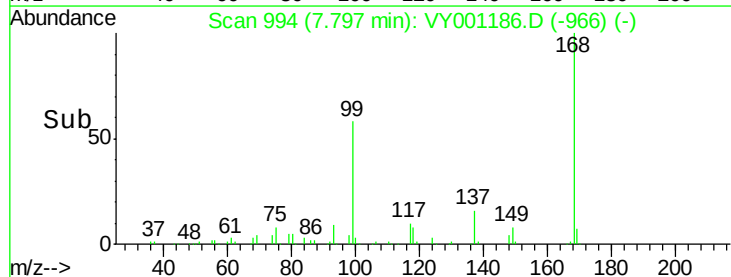
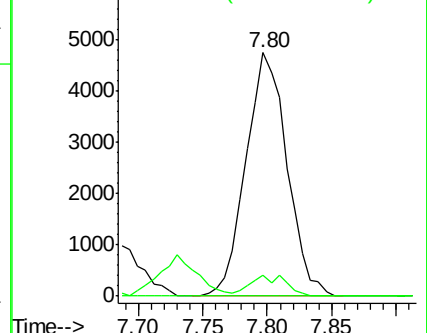
77 0.0 25.1 37.7#

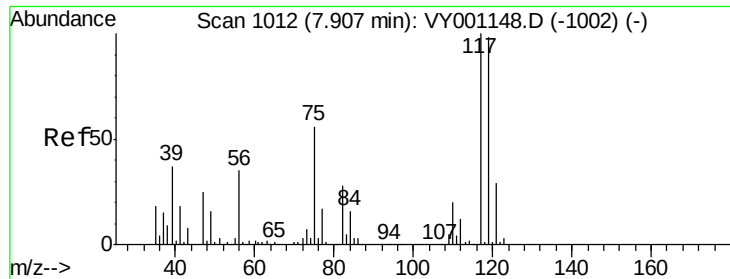


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.290 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

Instrument :

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ClientSampleId :

BU-RO-229

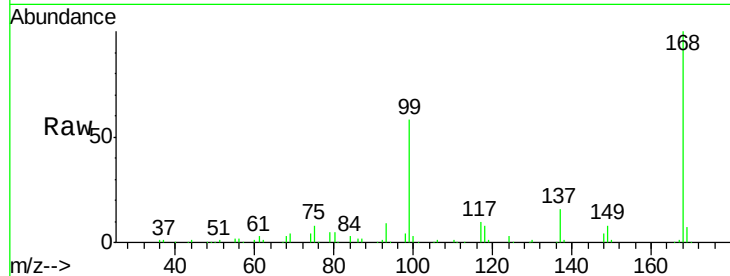
Tgt Ion:117 Resp: 13719

Ion Ratio Lower Upper

117 100

119 5.6 78.3 117.5#

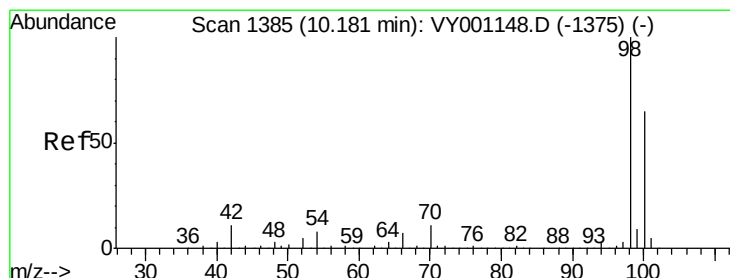
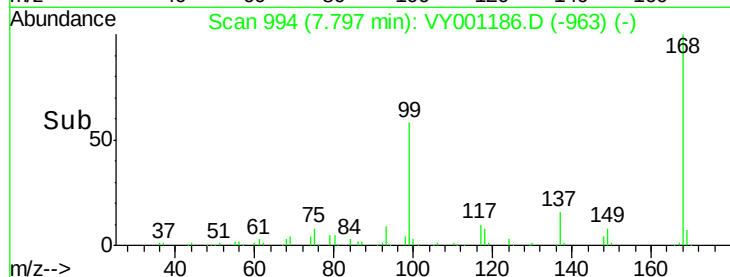
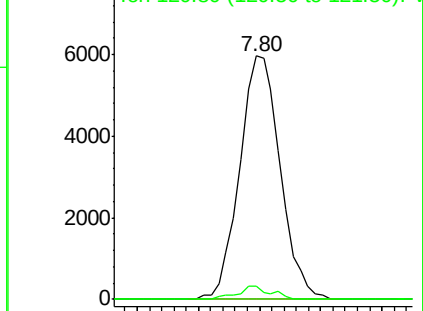
121 0.0 23.5 35.3#



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: 52.198 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001186.D

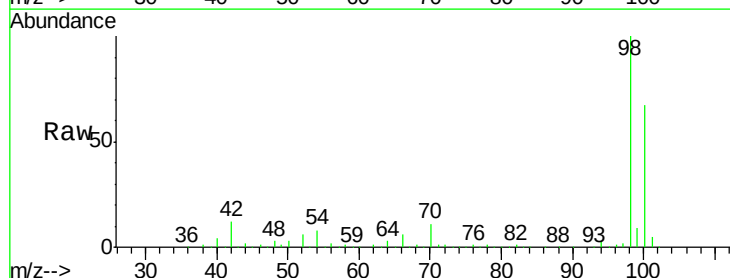
Acq: 13 Jan 2020 17:38

Tgt Ion: 98 Resp: 307492

Ion Ratio Lower Upper

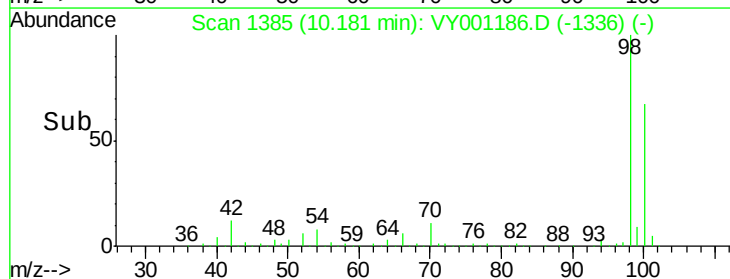
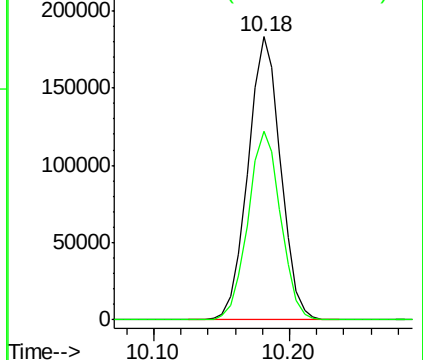
98 100

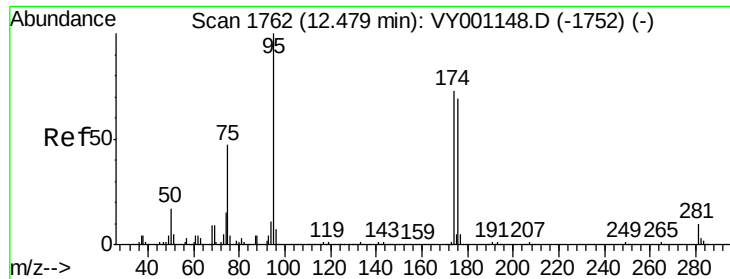
100 66.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

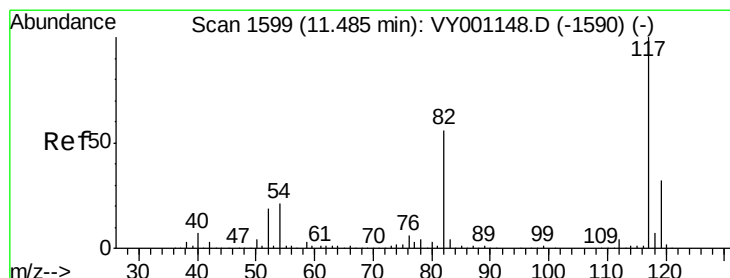
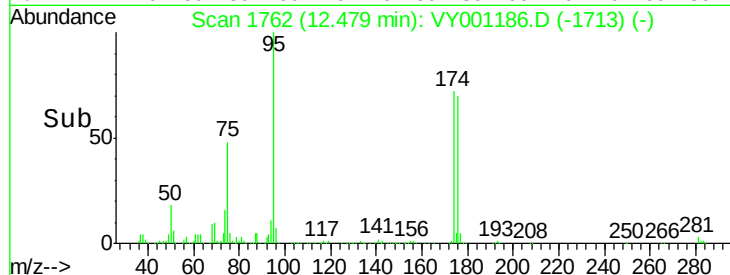
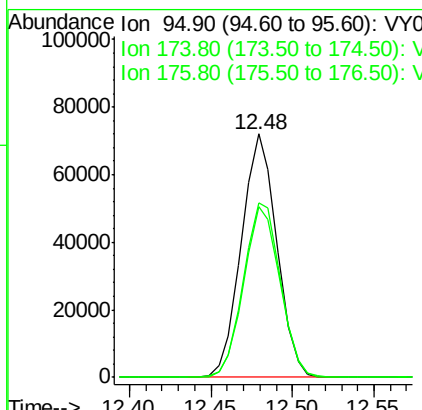
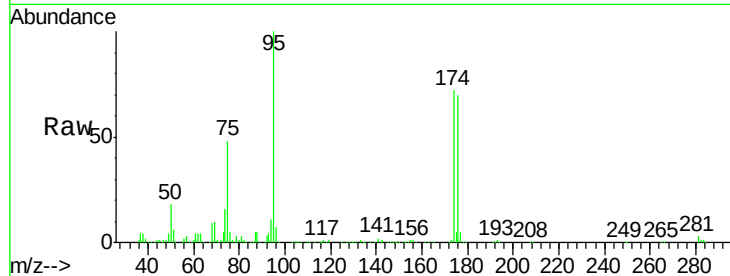




#62
4-Bromofluorobenzene
Concen: 45.262 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001186.D
Acq: 13 Jan 2020 17:38

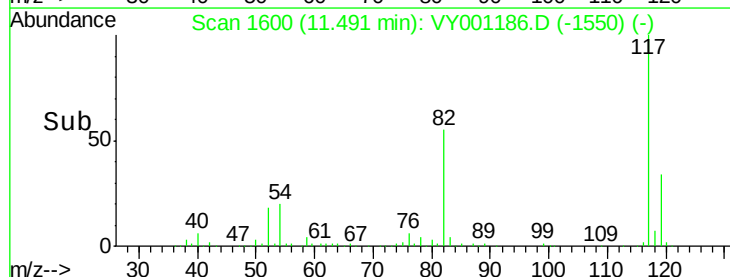
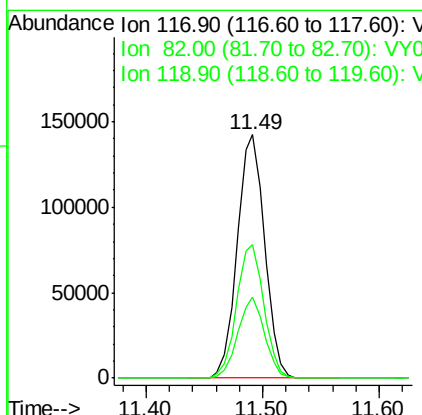
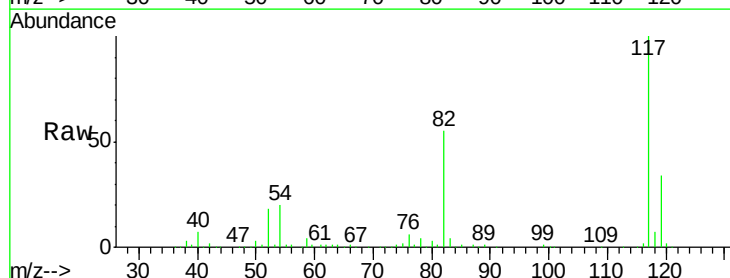
Instrument :
MSVOA_Y
ClientSampleId :
BU-RO-229

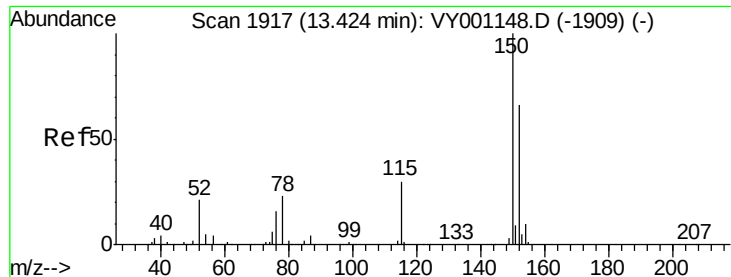
Tgt Ion: 95 Resp: 109009
Ion Ratio Lower Upper
95 100
174 75.0 0.0 143.2
176 72.0 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001186.D
Acq: 13 Jan 2020 17:38

Tgt Ion: 117 Resp: 233768
Ion Ratio Lower Upper
117 100
82 54.7 44.9 67.3
119 33.5 25.7 38.5



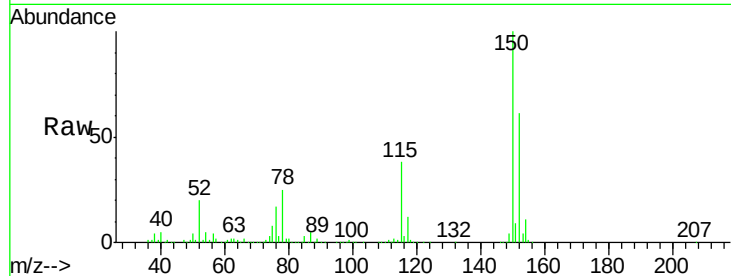


#72

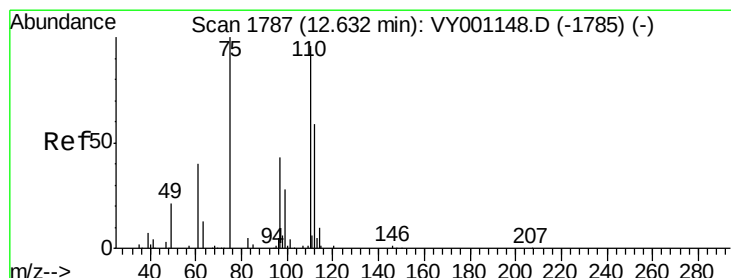
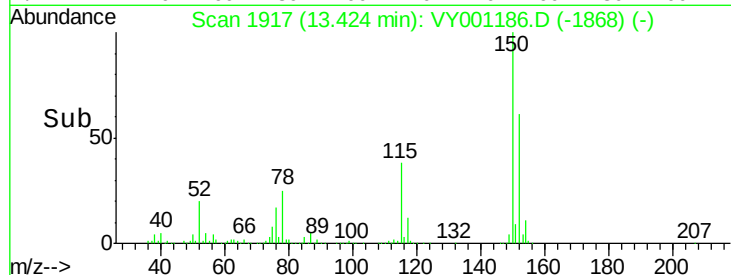
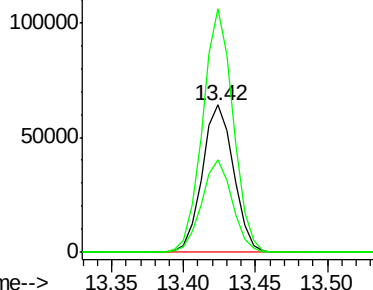
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001186.D
Acq: 13 Jan 2020 17:38

Instrument :
MSVOA_Y
ClientSampled :
BU-RO-229

Tgt Ion:152 Resp: 97482
Ion Ratio Lower Upper
152 100
115 61.1 30.9 92.5
150 160.3 0.0 346.8



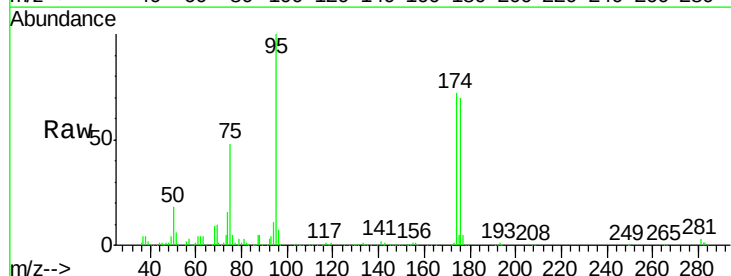
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



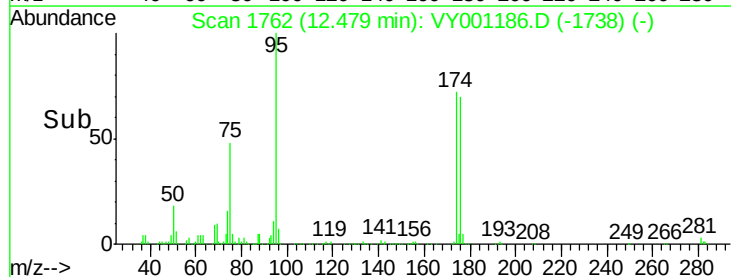
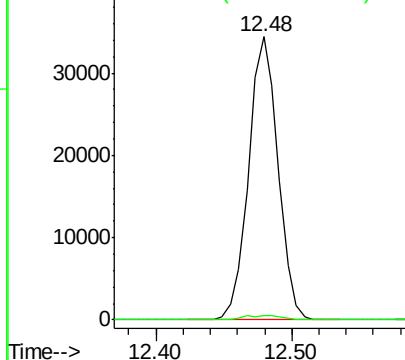
#76

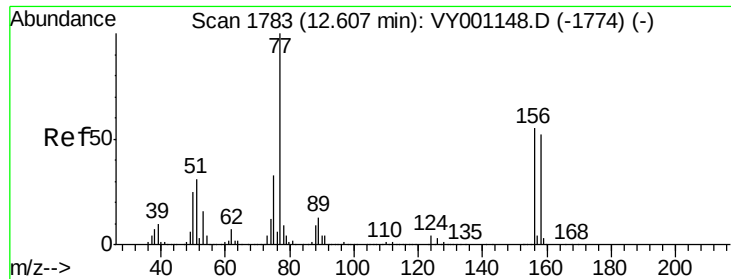
1,2,3-Trichloropropane
Concen: 49.896 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001186.D
Acq: 13 Jan 2020 17:38

Tgt Ion: 75 Resp: 52069
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.793 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.08 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-229

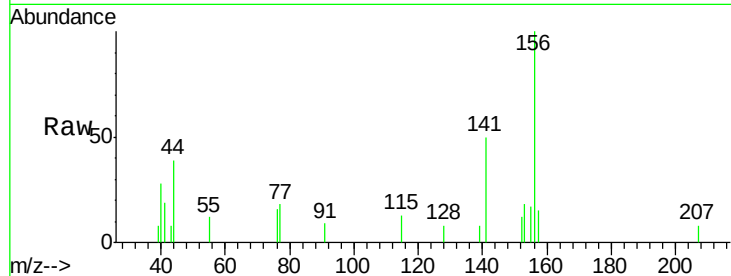
Tgt Ion:156 Resp: 2903

Ion Ratio Lower Upper

156 100

77 11.3 106.7 320.1#

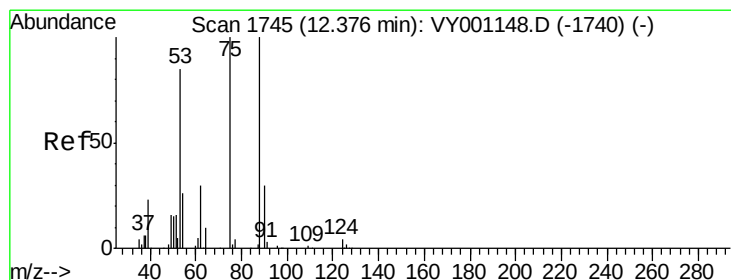
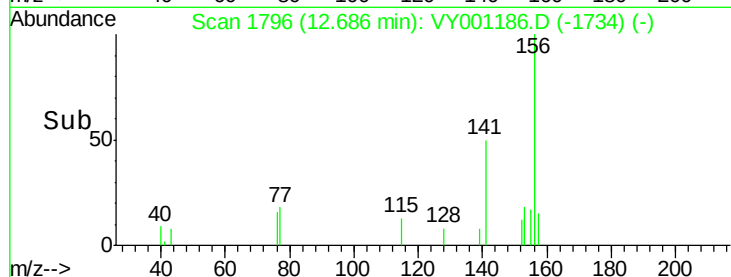
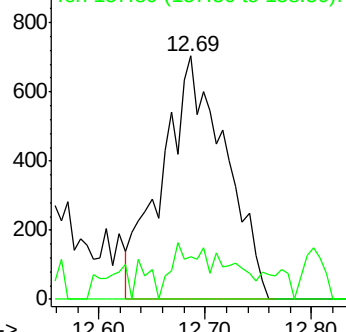
158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 84.612 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

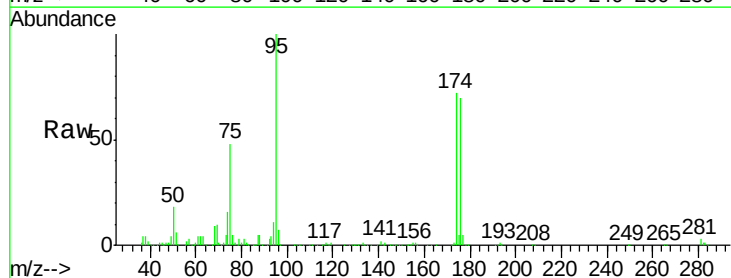
Tgt Ion: 75 Resp: 52069

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

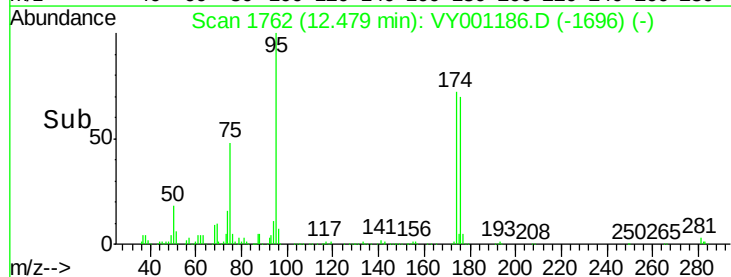
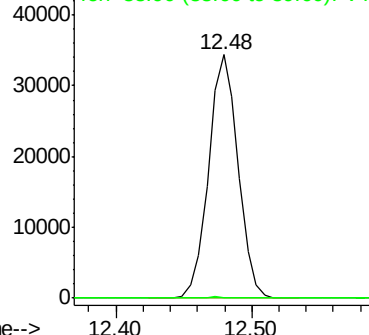
89 0.3 0.0 0.0#

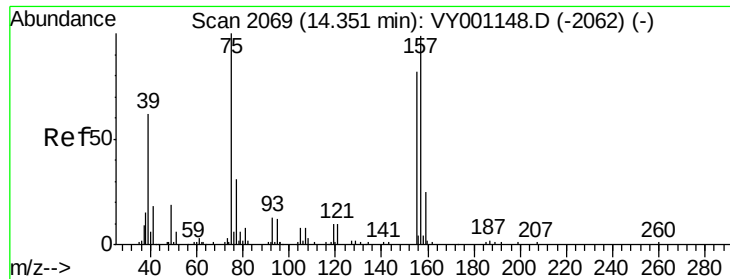


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.982 ug/l

RT: 14.55 min Scan# 2101

Delta R.T. 0.19 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

Instrument :

MSVOA_Y

ClientSampleId :

BU-RO-229

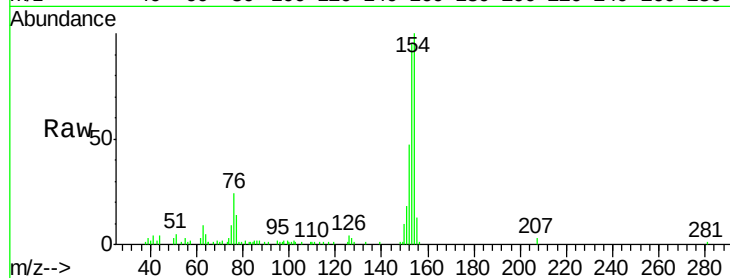
Tgt Ion: 75 Resp: 1942

Ion Ratio Lower Upper

75 100

155 212.7 41.2 123.6#

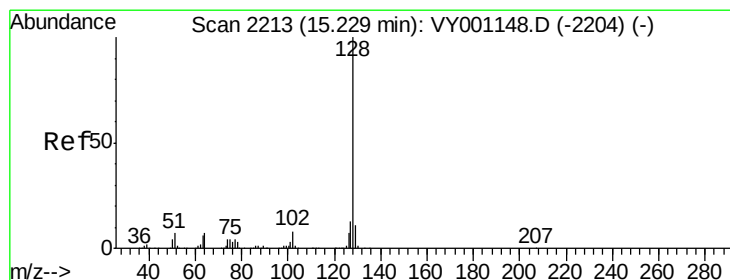
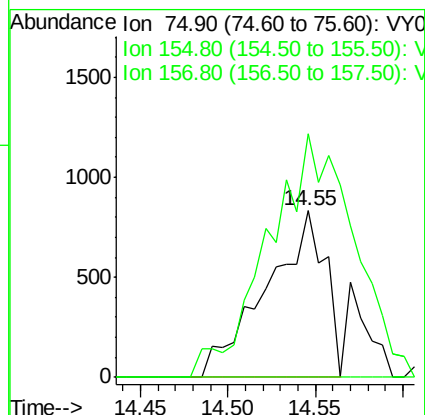
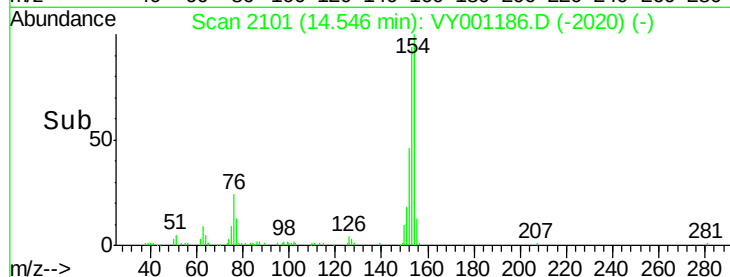
157 0.0 52.8 158.4#



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



#95

Naphthalene

Concen: 1.569 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY001186.D

Acq: 13 Jan 2020 17:38

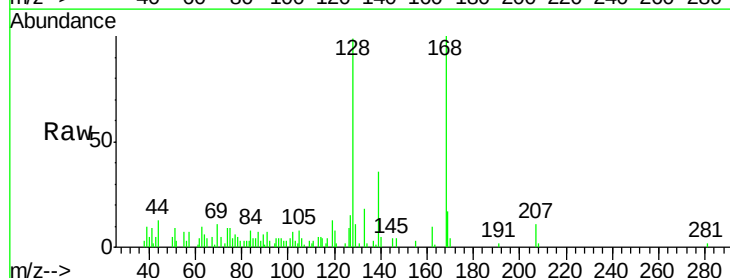
Tgt Ion: 128 Resp: 6850

Ion Ratio Lower Upper

128 100

127 15.7 10.2 15.4#

129 12.6 8.5 12.7



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

