

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001179.D
 Acq On : 13 Jan 2020 14:32
 Operator : SY/MD
 Sample : L1073-01
 Misc : 7.41G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-03-21.5-22

Quant Time: Jan 14 11:11:32 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	146154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	271016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	239244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	97946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	83141	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.73	113	81044	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.18	98	317192	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.48	95	109964	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	

Target Compounds

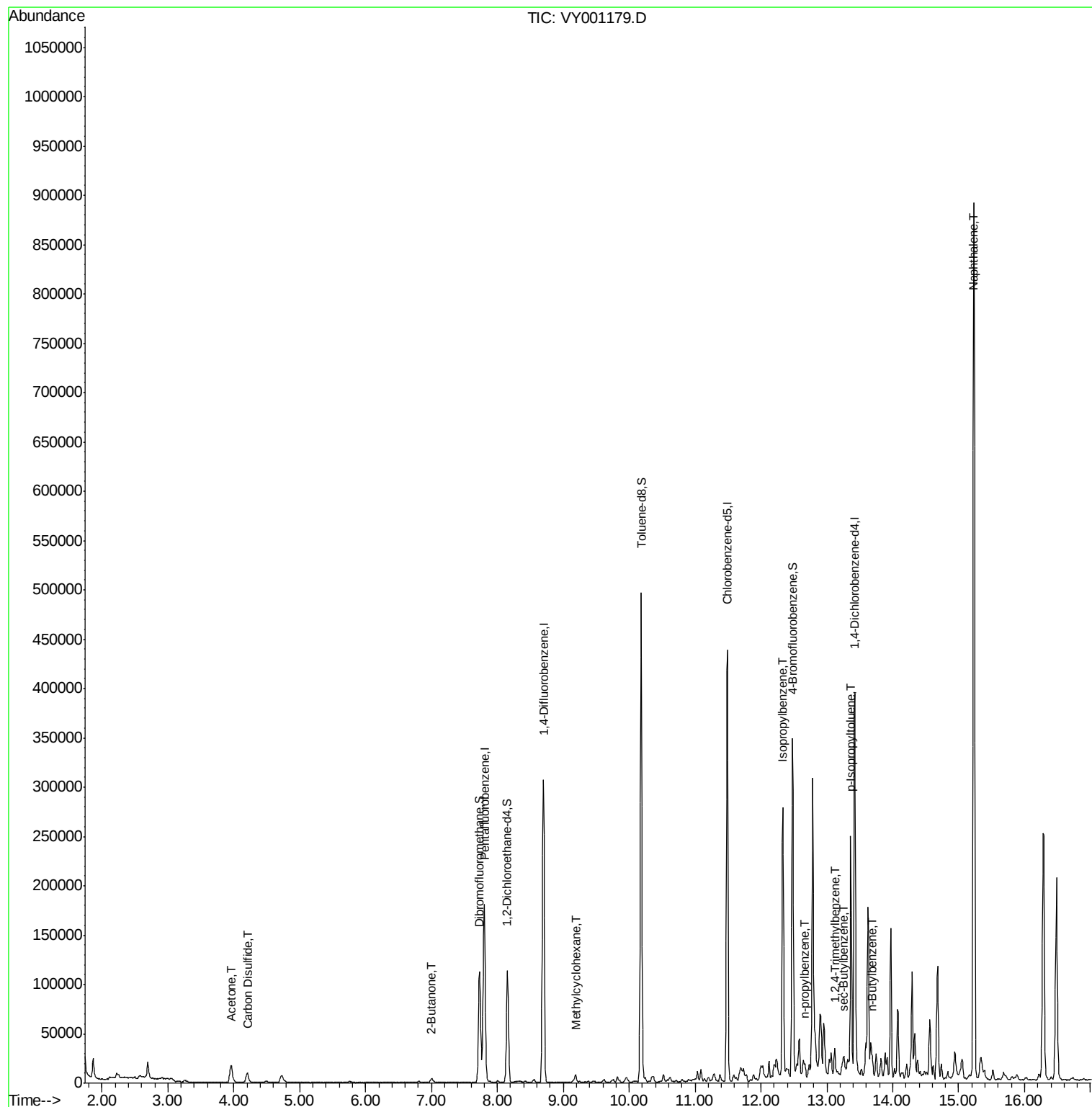
						Qvalue
16) Acetone	3.96	43	31112	86.784	ug/l	96
17) Carbon Disulfide	4.21	76	16877	3.490	ug/l #	94
25) 2-Butanone	7.00	43	6705	12.017	ug/l	95
39) Methylcyclohexane	9.19	83	3425	1.023	ug/l	91
73) Isopropylbenzene	12.33	105	46475	6.312	ug/l	94
78) n-propylbenzene	12.67	91	10802	1.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	15299	2.508	ug/l	98
85) sec-Butylbenzene	13.25	105	7824	1.054	ug/l #	65
86) p-Isopropyltoluene	13.37	119	137860	21.380	ug/l	99
89) n-Butylbenzene	13.69	91	13170	2.028	ug/l #	73
95) Naphthalene	15.23	128	740157	168.737	ug/l	99

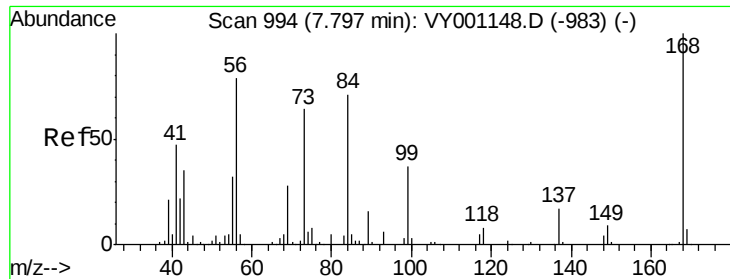
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

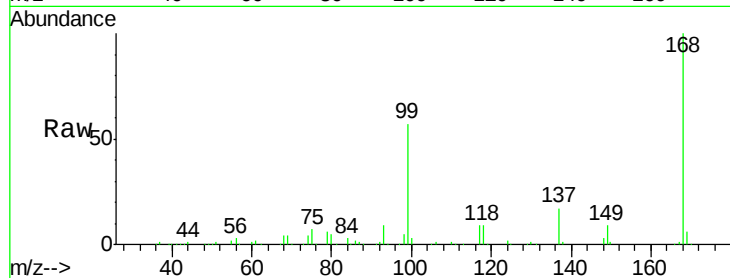
CIY1-SB-03-21.5-22

Tot Ion:168 Resp: 146154

Ion Ratio Lower Upper

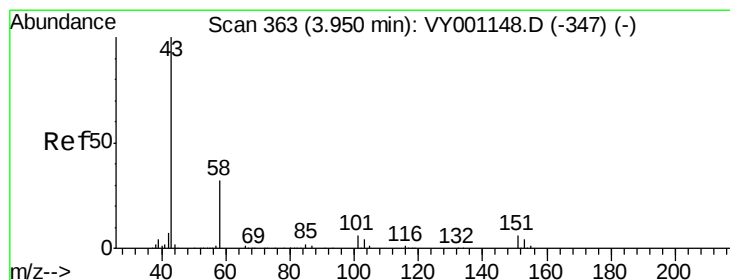
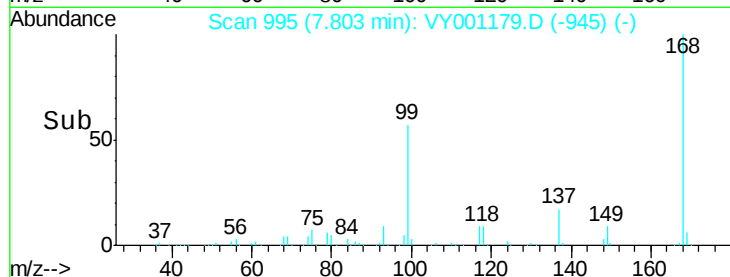
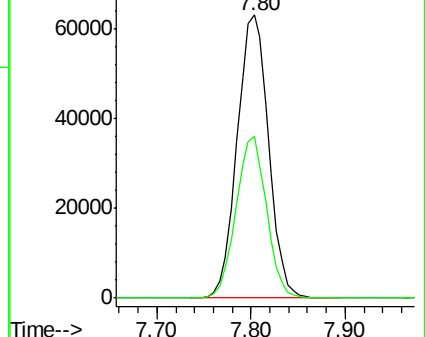
168 100

99 57.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)



#16

Acetone

Concen: 86.784 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001179.D

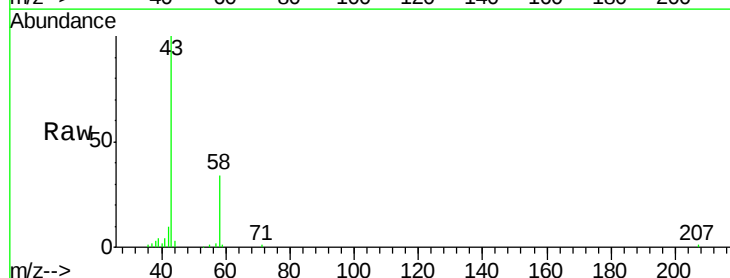
Acq: 13 Jan 2020 14:32

Tgt Ion: 43 Resp: 31112

Ion Ratio Lower Upper

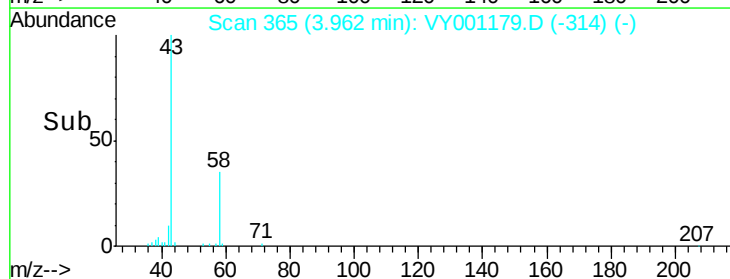
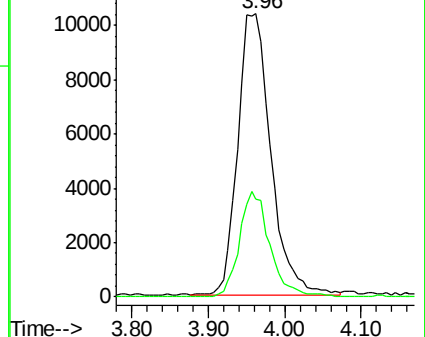
43 100

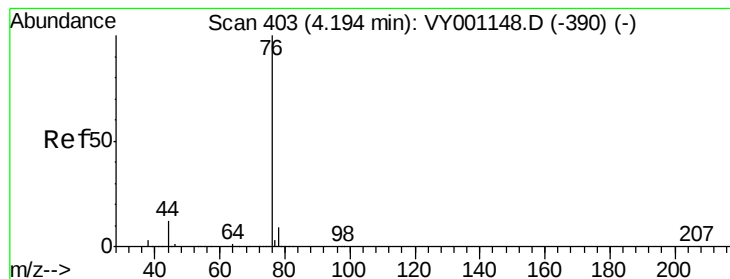
58 34.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-347) (-)





#17

Carbon Disulfide

Concen: 3.490 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

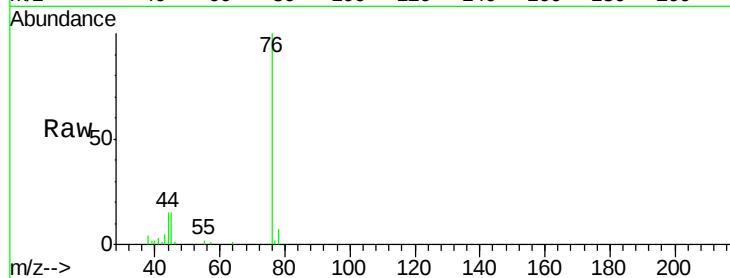
CIY1-SB-03-21.5-22

Tot Ion: 76 Resp: 16877

Ion Ratio Lower Upper

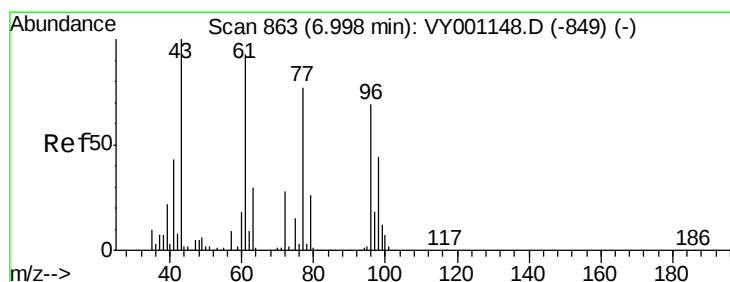
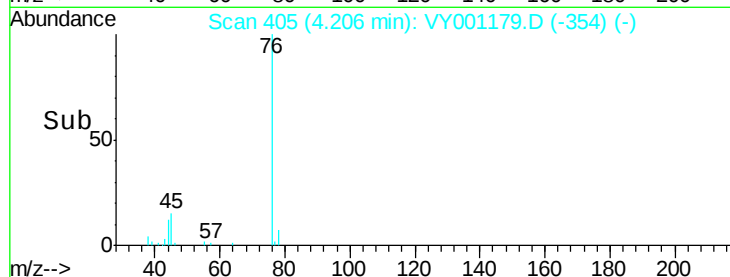
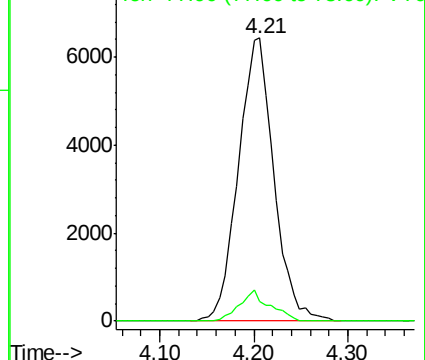
76 100

78 6.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 12.017 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001179.D

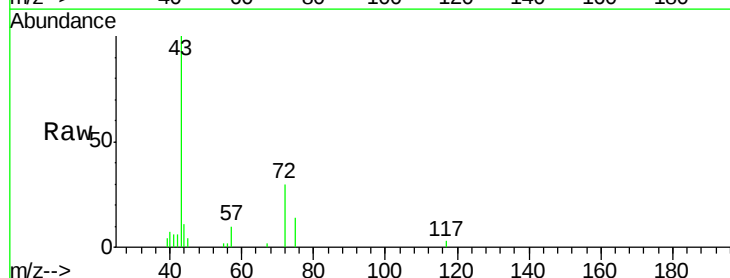
Acq: 13 Jan 2020 14:32

Tgt Ion: 43 Resp: 6705

Ion Ratio Lower Upper

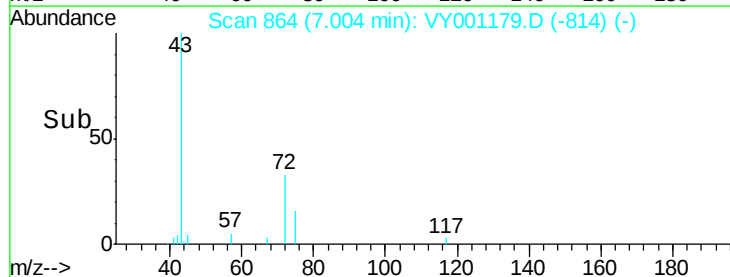
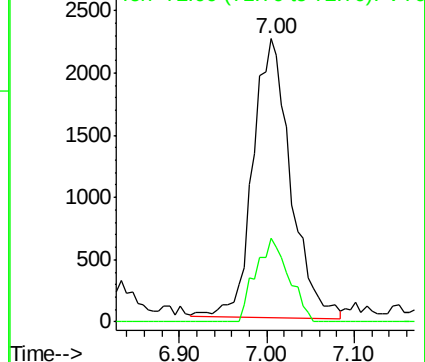
43 100

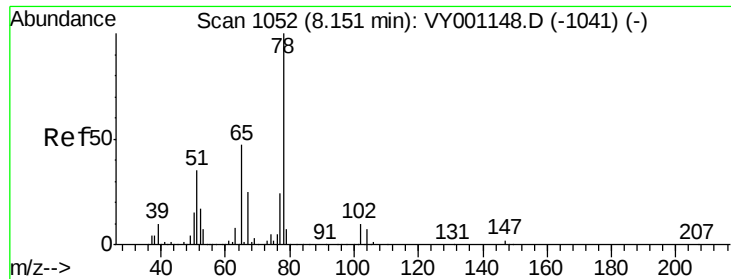
72 30.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 53.860 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

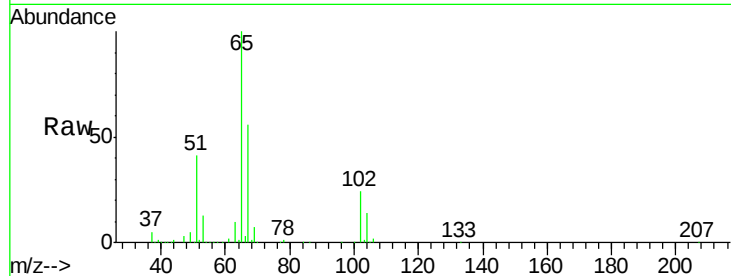
CIY1-SB-03-21.5-22

Tot Ion: 65 Resp: 83141

Ion Ratio Lower Upper

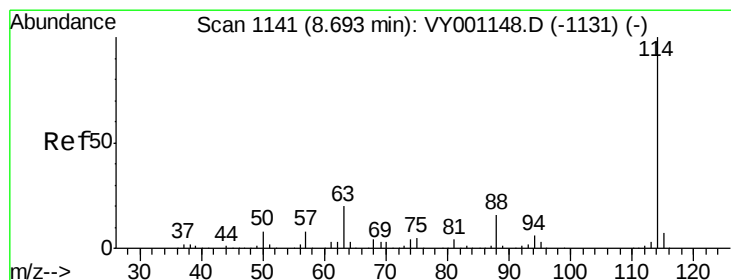
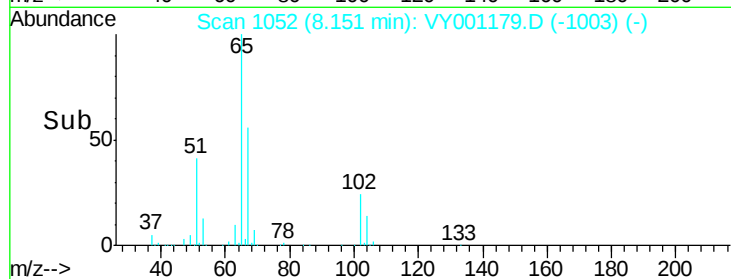
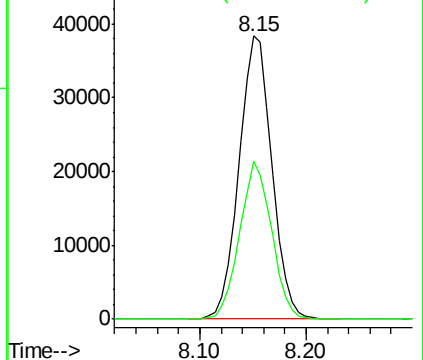
65 100

67 54.3 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

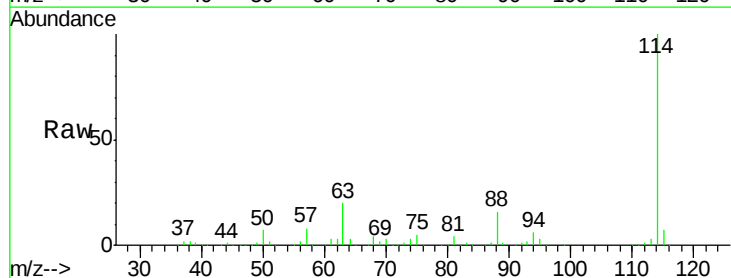
Tgt Ion: 114 Resp: 271016

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

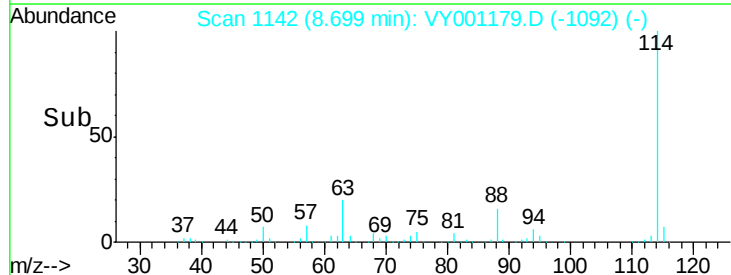
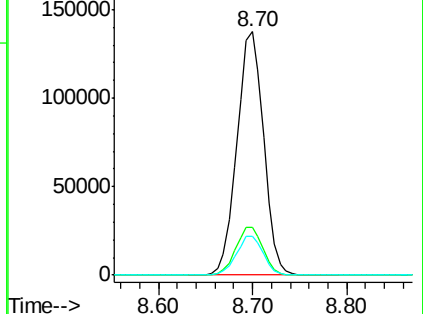
88 15.8 0.0 32.4

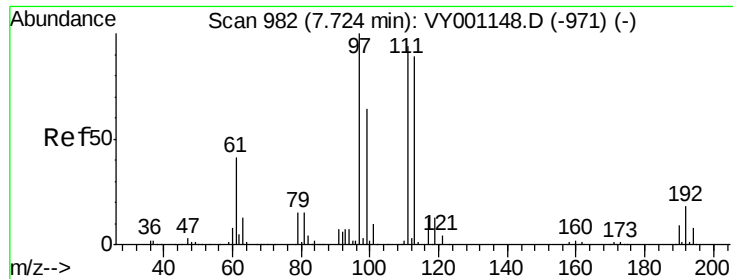


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

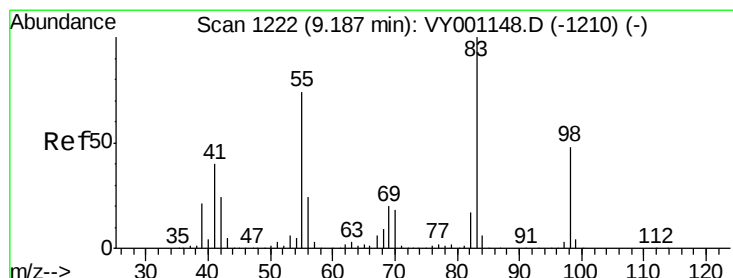
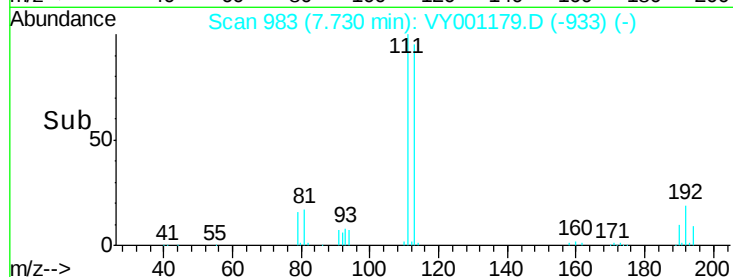
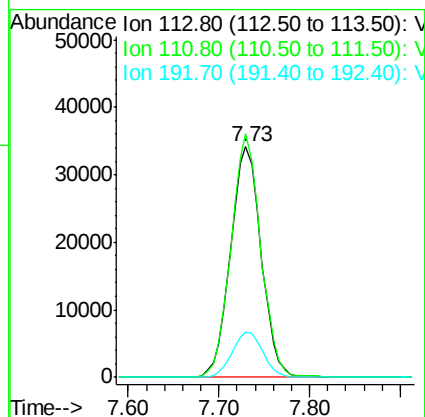
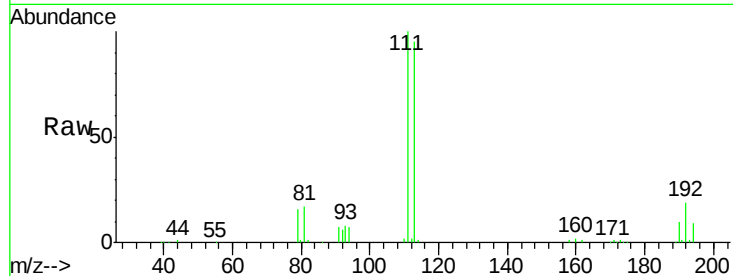




#35
 Dibromofluoromethane
 Concen: 51.074 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001179.D
 Acq: 13 Jan 2020 14:32

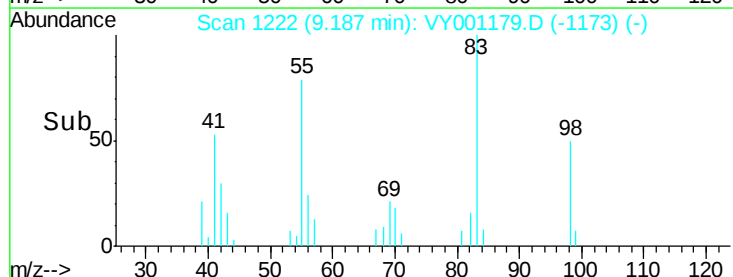
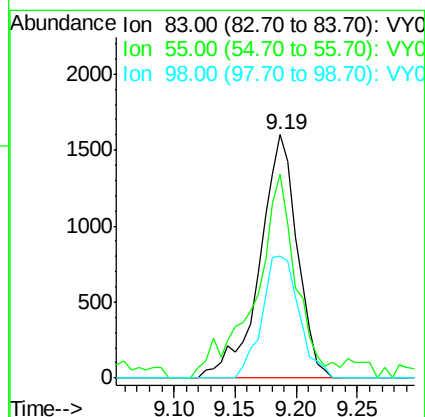
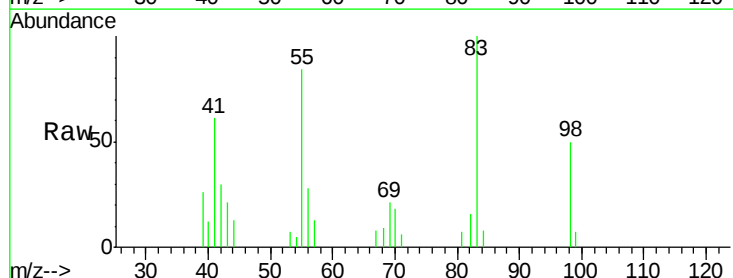
Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-03-21.5-22

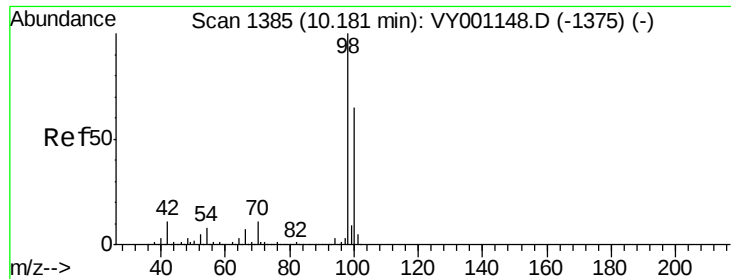
Tot Ion:113 Resp: 81044
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 19.6 15.4 23.2



#39
 Methylcyclohexane
 Concen: 1.023 ug/l
 RT: 9.19 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VY001179.D
 Acq: 13 Jan 2020 14:32

Tgt Ion: 83 Resp: 3425
 Ion Ratio Lower Upper
 83 100
 55 83.6 58.9 88.3
 98 50.2 38.4 57.6





#50

Toluene-d8

Concen: 51.878 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

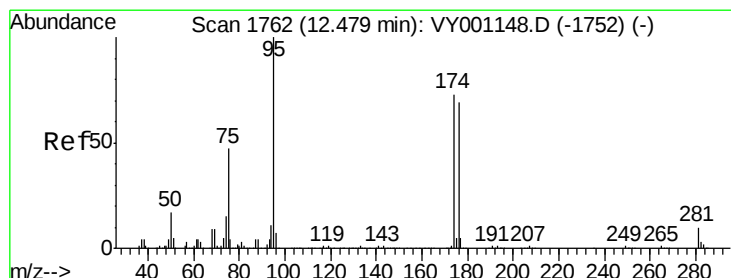
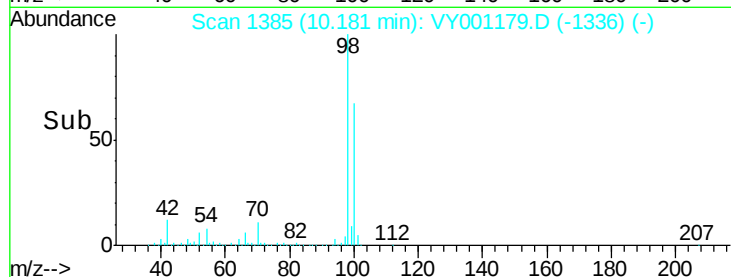
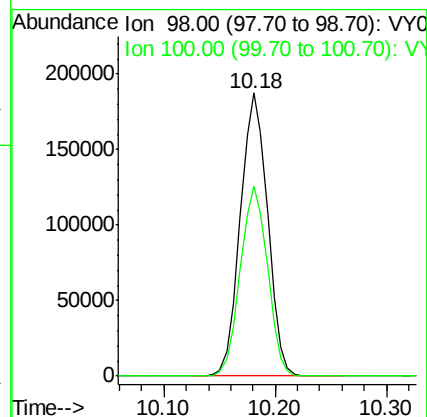
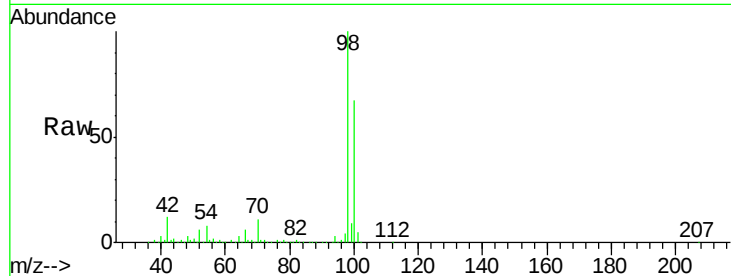
CIY1-SB-03-21.5-22

Tot Ion: 98 Resp: 317192

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.992 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

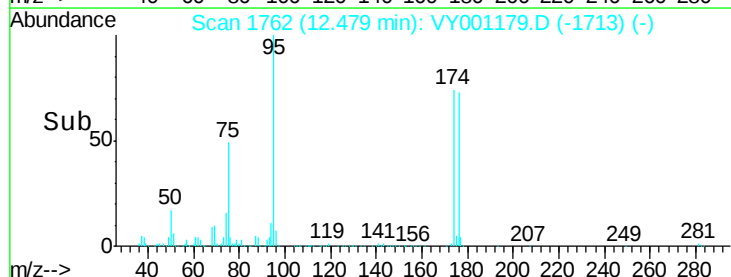
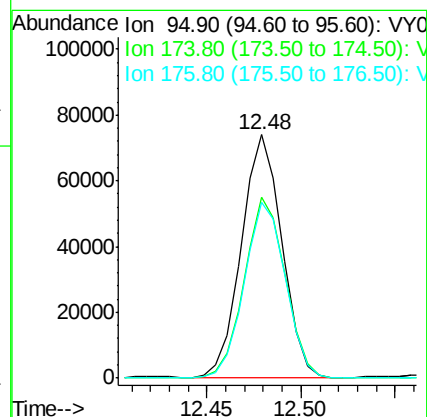
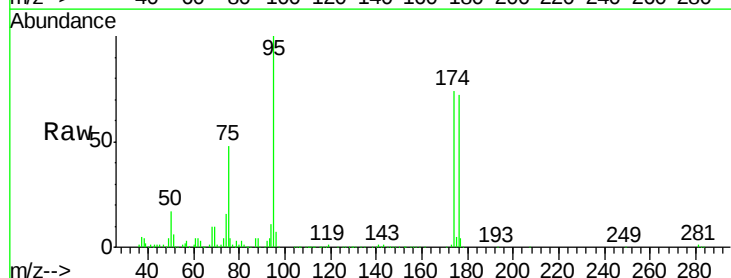
Tgt Ion: 95 Resp: 109964

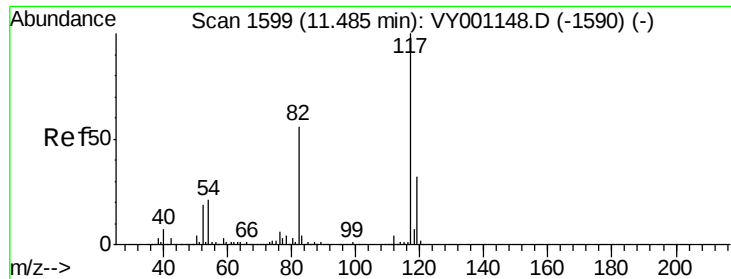
Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.2

176 73.6 0.0 136.0

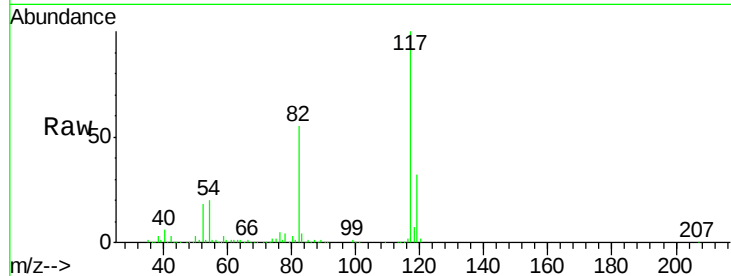




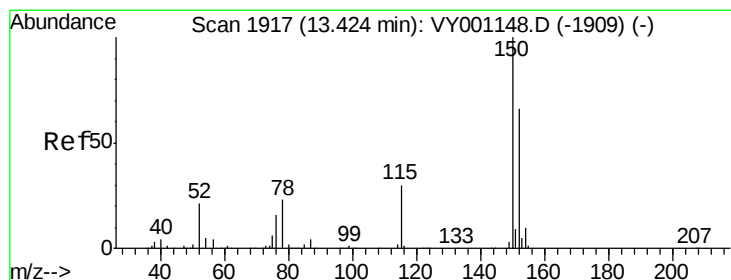
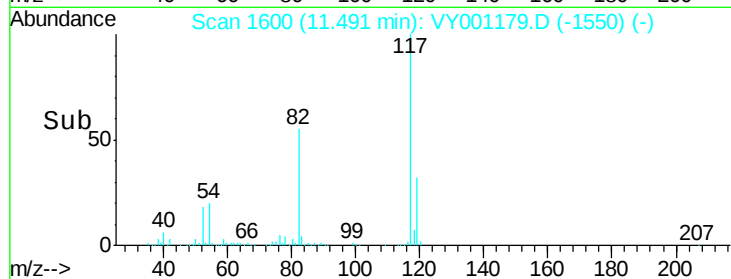
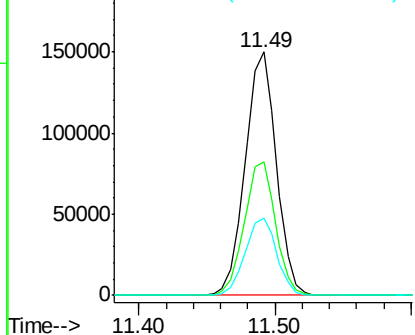
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001179.D
Acq: 13 Jan 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-03-21.5-22

Tot Ion:117 Resp: 239244
Ion Ratio Lower Upper
117 100
82 54.6 44.9 67.3
119 31.9 25.7 38.5

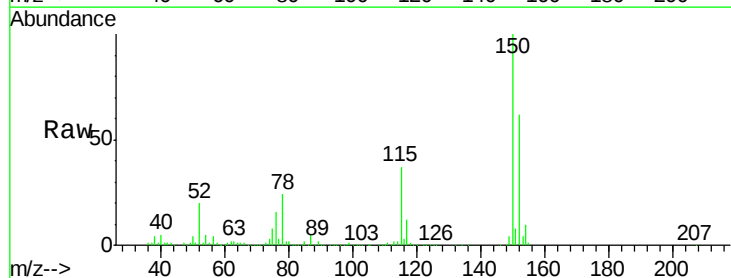


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

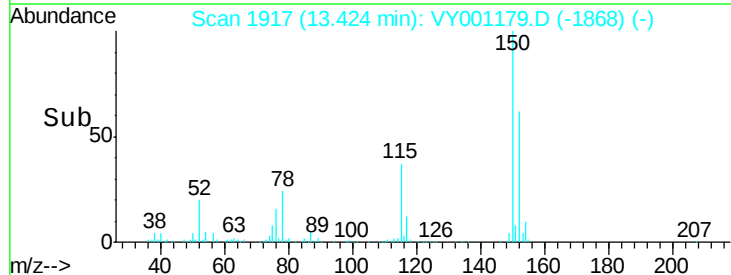
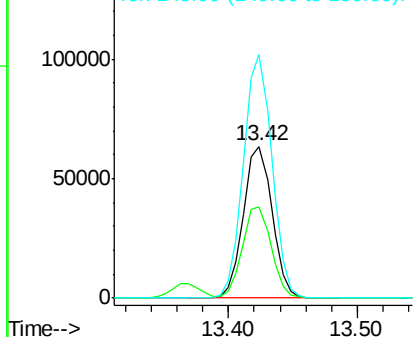


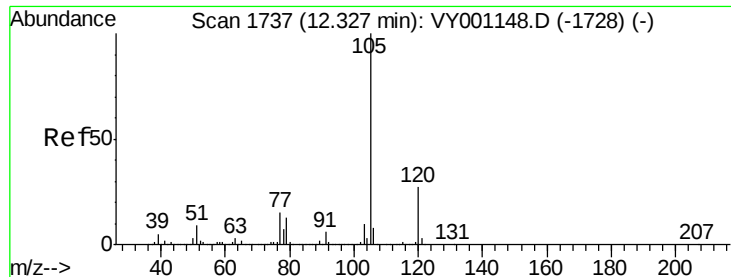
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001179.D
Acq: 13 Jan 2020 14:32

Tgt Ion:152 Resp: 97946
Ion Ratio Lower Upper
152 100
115 60.6 30.9 92.5
150 158.9 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





#73

Isopropylbenzene

Concen: 6.312 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

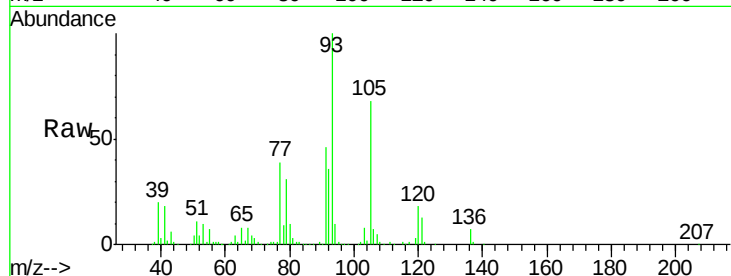
CIY1-SB-03-21.5-22

Tot Ion:105 Resp: 46475

Ion Ratio Lower Upper

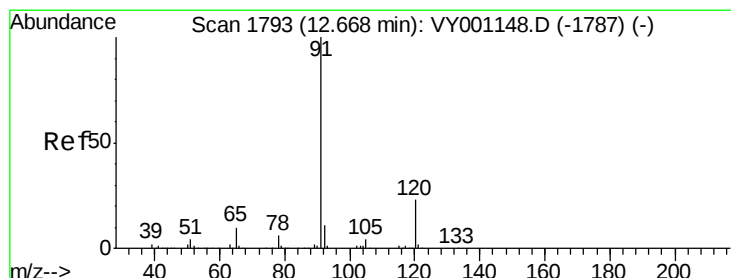
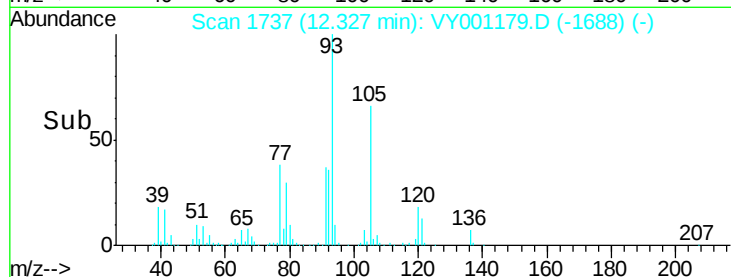
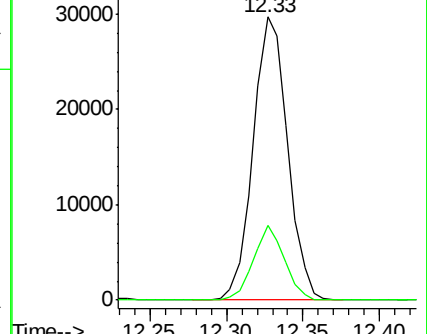
105 100

120 23.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.220 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001179.D

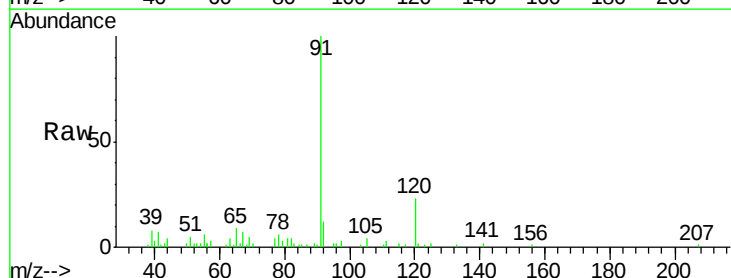
Acq: 13 Jan 2020 14:32

Tgt Ion: 91 Resp: 10802

Ion Ratio Lower Upper

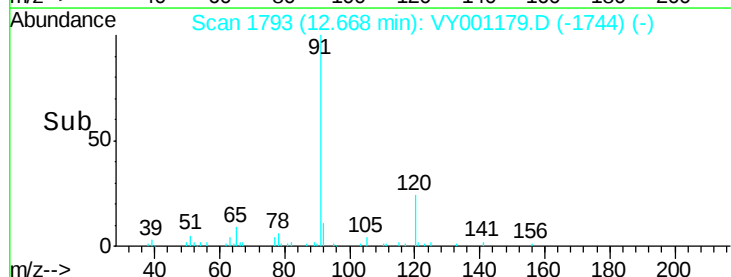
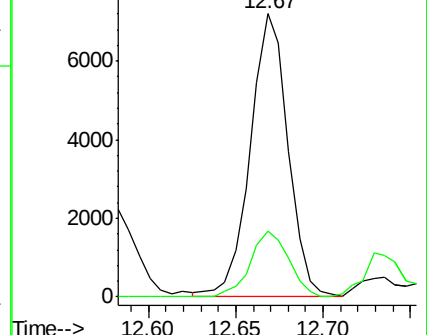
91 100

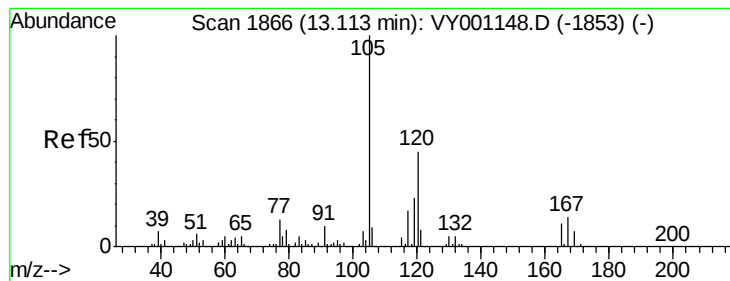
120 23.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2.508 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.01 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

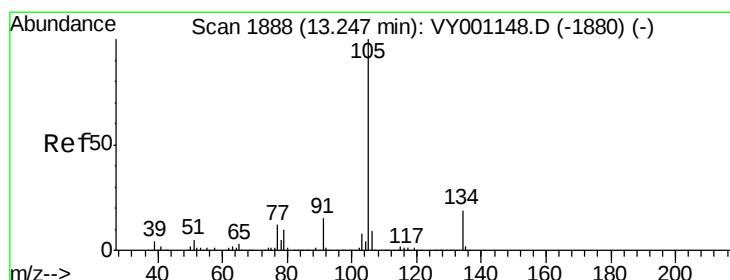
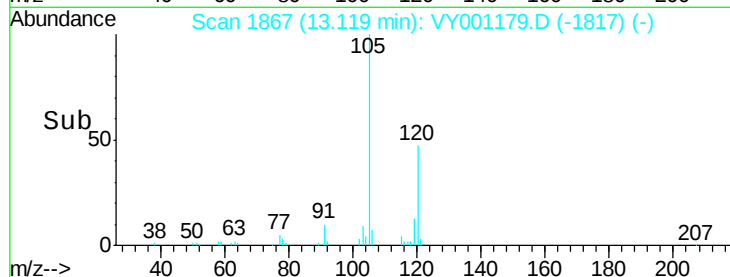
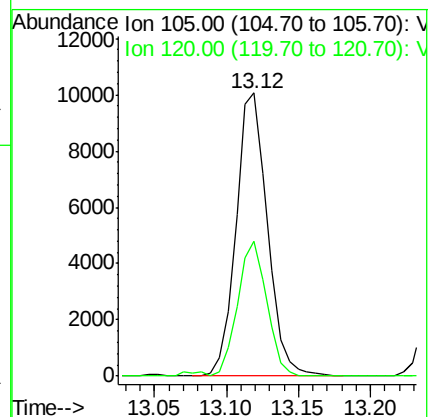
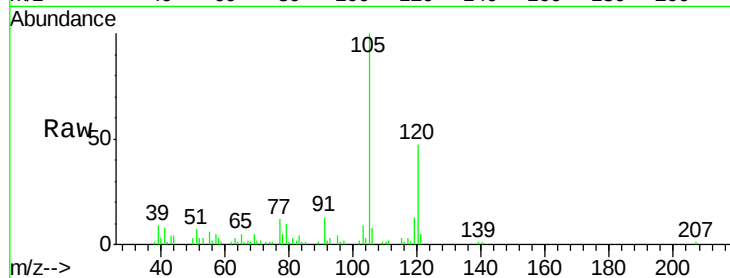
CIY1-SB-03-21.5-22

Tot Ion:105 Resp: 15299

Ion Ratio Lower Upper

105 100

120 44.1 22.8 68.3



#85

sec-Butylbenzene

Concen: 1.054 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VY001179.D

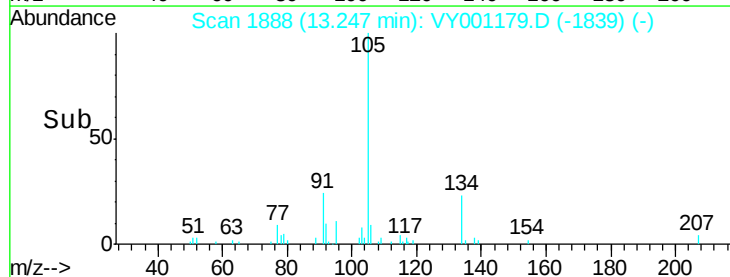
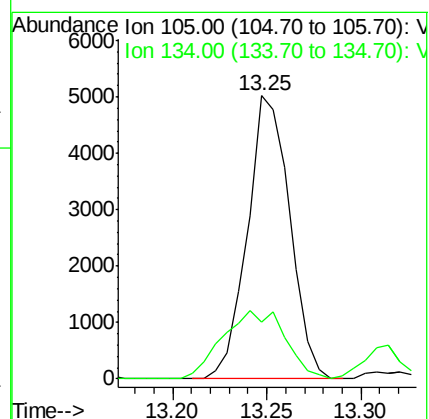
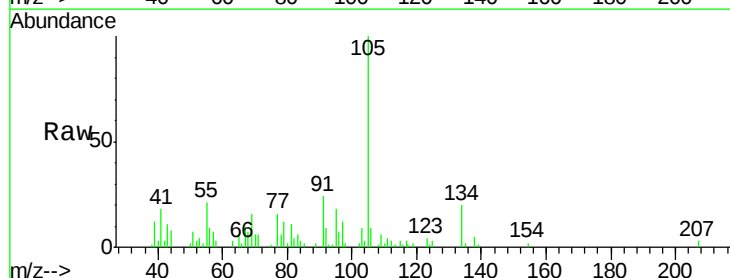
Acq: 13 Jan 2020 14:32

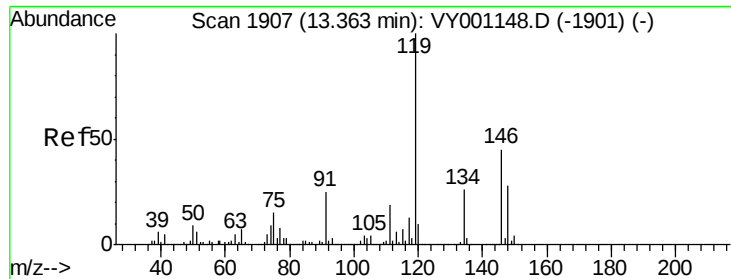
Tgt Ion:105 Resp: 7824

Ion Ratio Lower Upper

105 100

134 35.7 9.8 29.5#

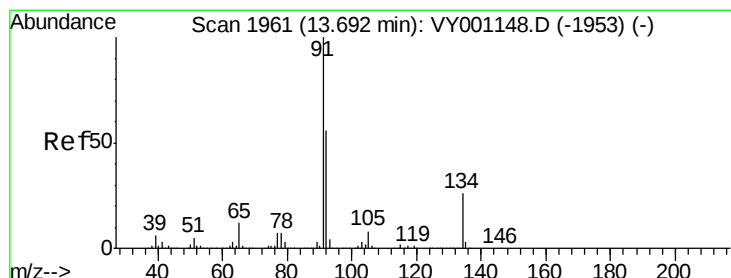
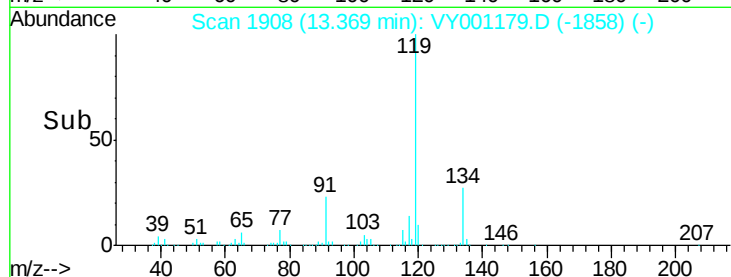
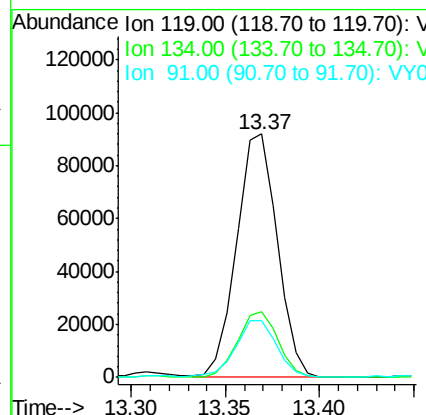
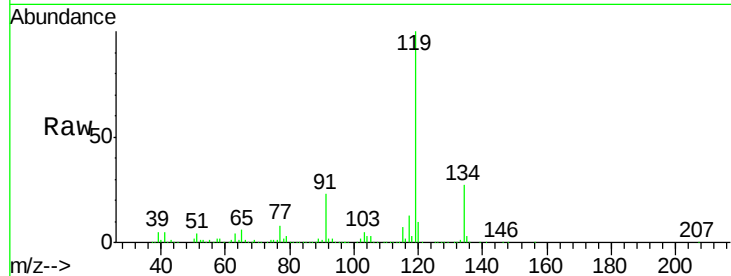




#86
p-Isopropyltoluene
Concen: 21.380 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VY001179.D
Acq: 13 Jan 2020 14:32

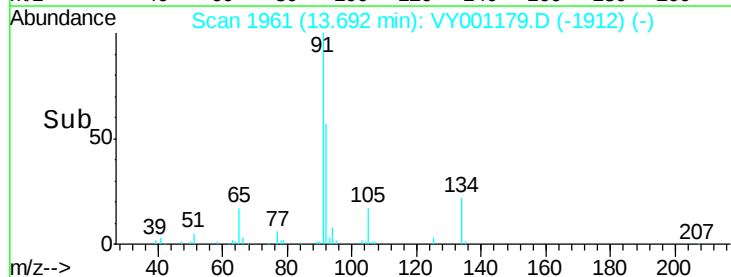
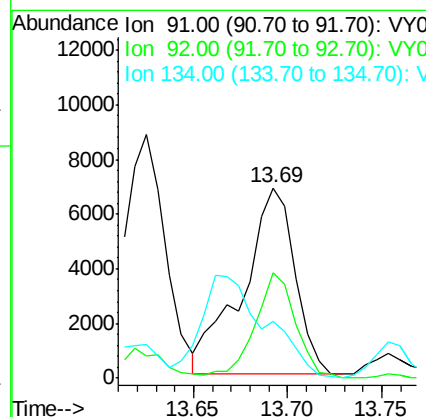
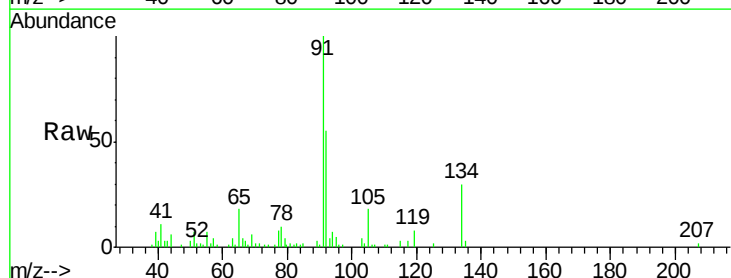
Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-03-21.5-22

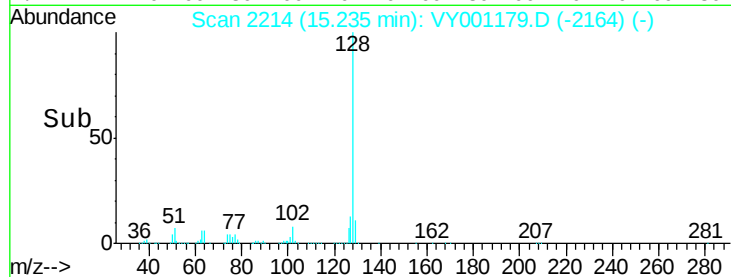
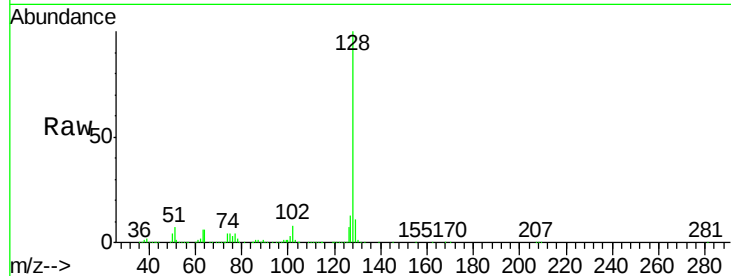
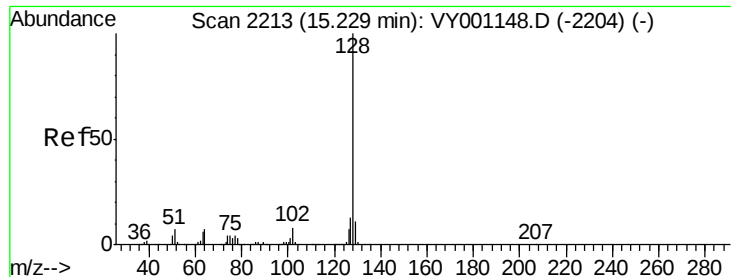
Tot Ion: 119 Resp: 137860
Ion Ratio Lower Upper
119 100
134 26.8 13.4 40.2
91 23.4 12.4 37.2



#89
n-Butylbenzene
Concen: 2.028 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001179.D
Acq: 13 Jan 2020 14:32

Tgt Ion: 91 Resp: 13170
Ion Ratio Lower Upper
91 100
92 43.8 27.7 83.1
134 0.0 12.9 38.6#





#95

Naphthalene

Concen: 168.737 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY001179.D

Acq: 13 Jan 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-03-21.5-22

Tot Ion:128 Resp: 740157

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 11.0 8.5 12.7

