

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002336.D
 Acq On : 15 Apr 2020 14:58
 Operator : SY/MD
 Sample : L2245-16
 Misc : 6.24G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-23A

Quant Time: Apr 16 09:23:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

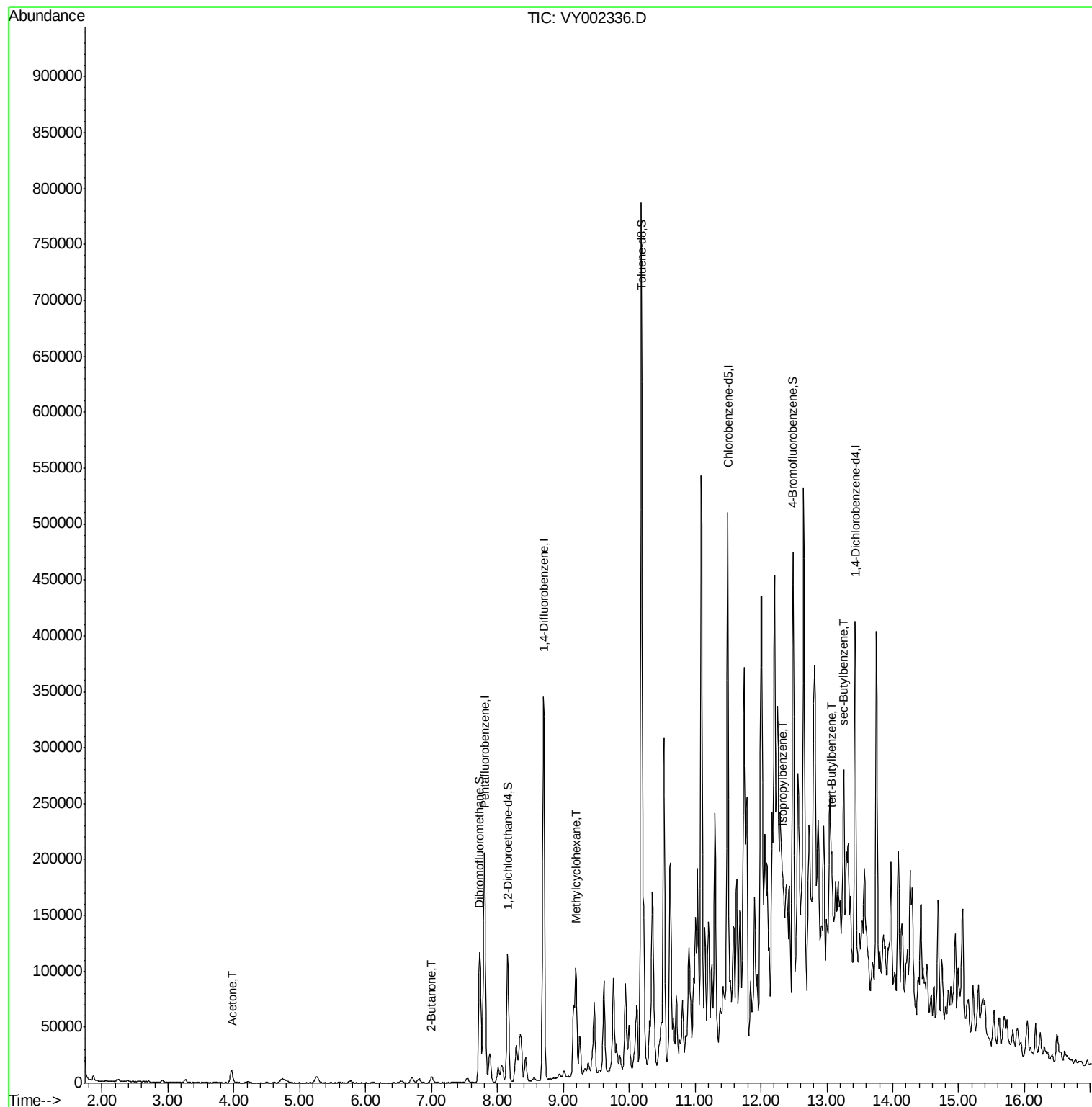
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	152604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	302292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	253976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	88026	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	83773	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	7.73	113	88215	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.19	98	370805	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.48	95	114317	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
Target Compounds						
16) Acetone	3.97	43	18307	40.957	ug/l	99
25) 2-Butanone	7.00	43	6625	9.366	ug/l	95
39) Methylcyclohexane	9.19	83	44440	10.972	ug/l	98
73) Isopropylbenzene	12.33	105	24169	3.495	ug/l	98
83) tert-Butylbenzene	13.08	119	23427	4.890	ug/l	89
85) sec-Butylbenzene	13.26	105	89351	12.520	ug/l	82

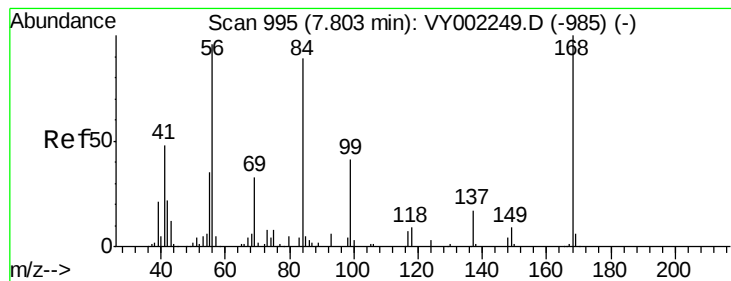
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002336.D

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Instrument :

MSVOA_Y

ClientSampleId :

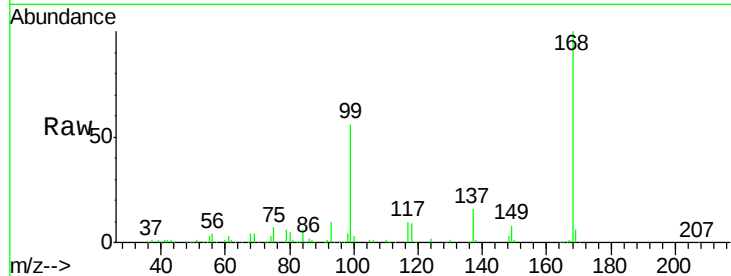
TP-23A

Tot Ion:168 Resp: 152604

Ion Ratio Lower Upper

168 100

99 55.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

60000

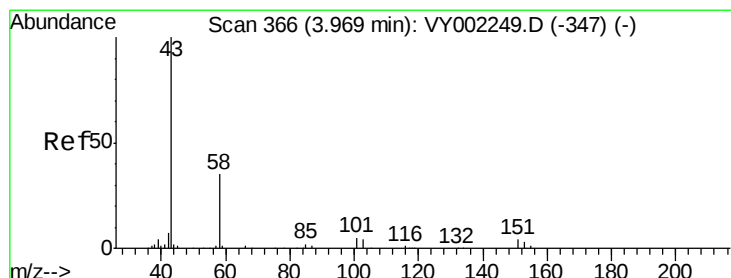
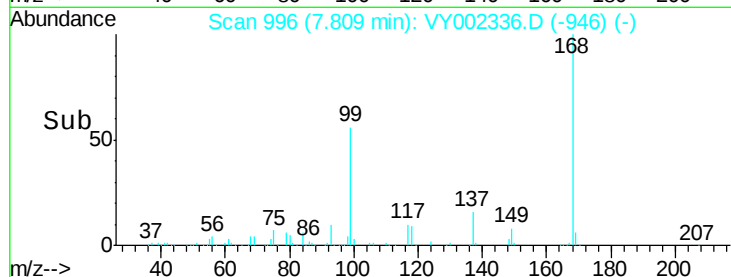
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 40.957 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.00 min

Lab File: VY002336.D

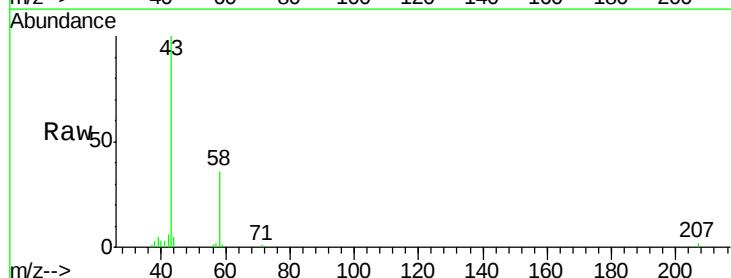
Acq: 15 Apr 2020 14:58

Tgt Ion: 43 Resp: 18307

Ion Ratio Lower Upper

43 100

58 36.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

3.97

6000

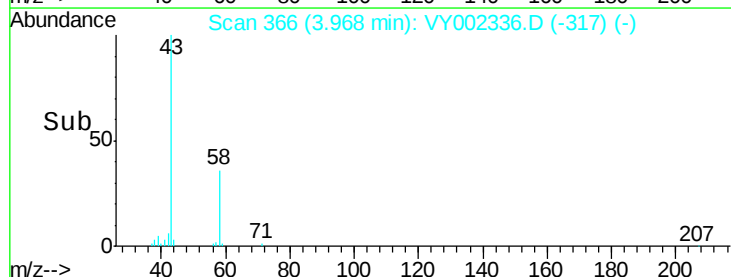
4000

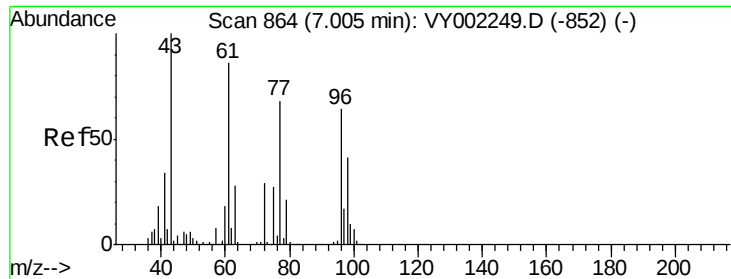
2000

0

3.90 4.00 4.10

Time-->





#25

2-Butanone

Concen: 9.366 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002336.D

Acq: 15 Apr 2020 14:58

Instrument :

MSVOA_Y

ClientSampleId :

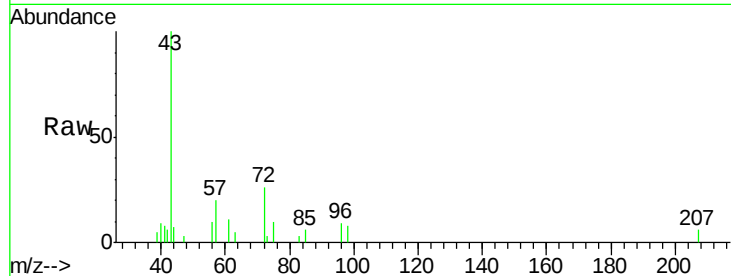
TP-23A

Tot Ion: 43 Resp: 6625

Ion Ratio Lower Upper

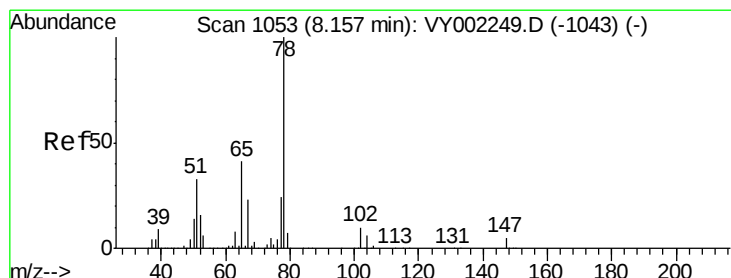
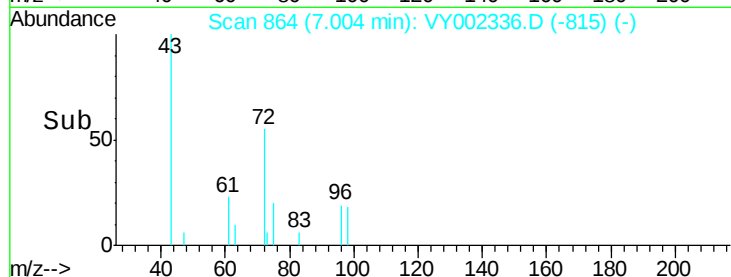
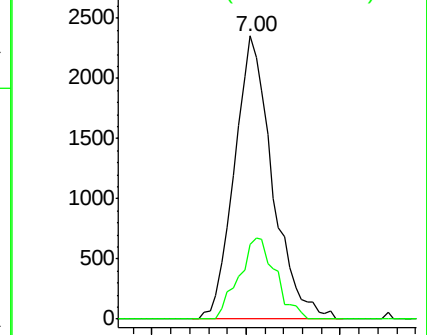
43 100

72 26.3 23.2 34.8



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: 49.363 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY002336.D

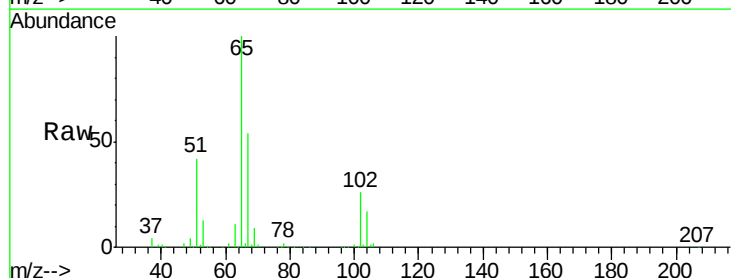
Acq: 15 Apr 2020 14:58

Tgt Ion: 65 Resp: 83773

Ion Ratio Lower Upper

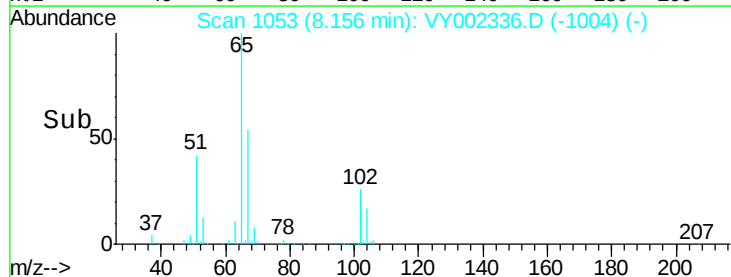
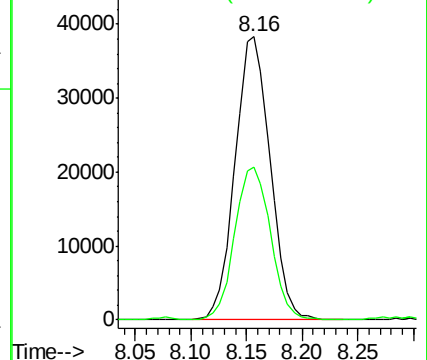
65 100

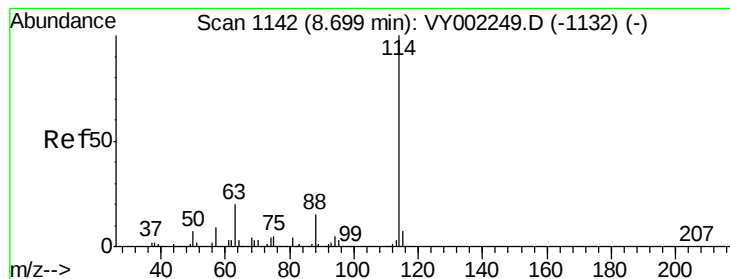
67 54.7 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002336.D

Acq: 15 Apr 2020 14:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-23A

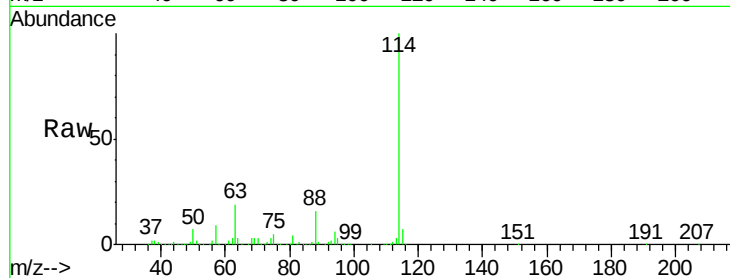
Tot Ion:114 Resp: 302292

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

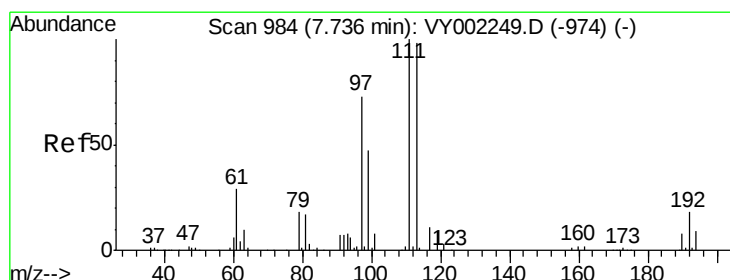
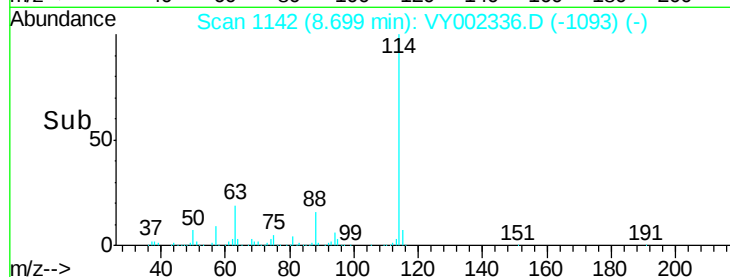
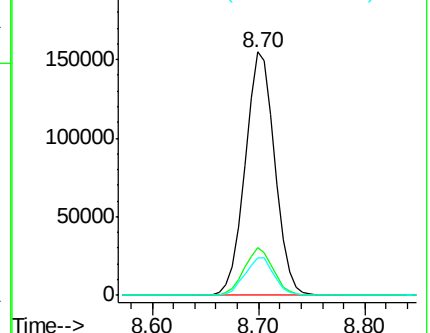
88 15.6 0.0 31.0



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: 49.043 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002336.D

Acq: 15 Apr 2020 14:58

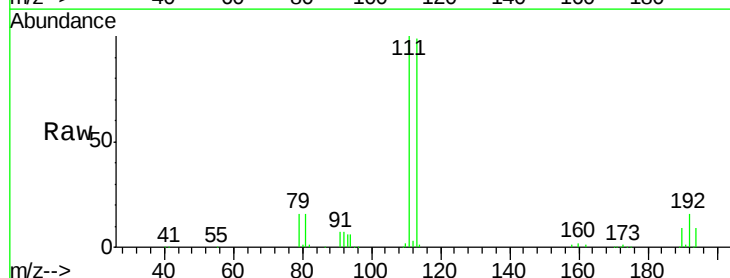
Tgt Ion:113 Resp: 88215

Ion Ratio Lower Upper

113 100

111 102.2 83.5 125.3

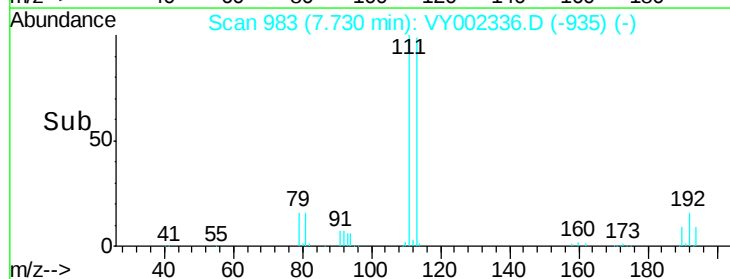
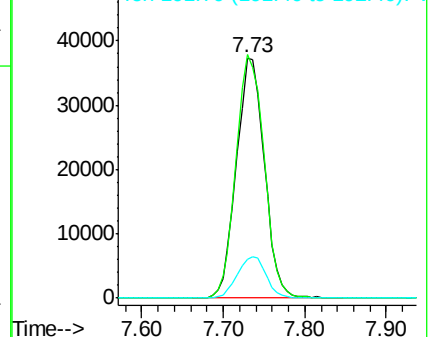
192 17.6 14.7 22.1

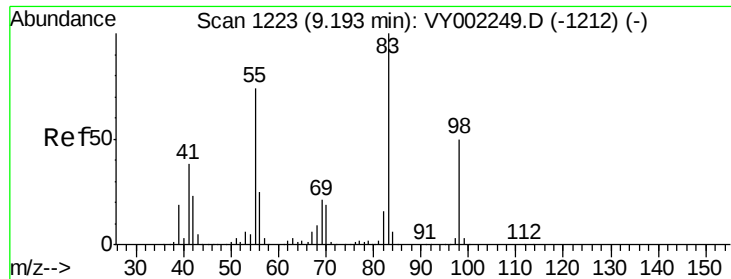


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

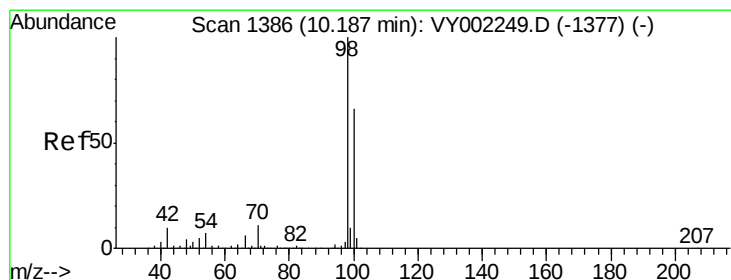
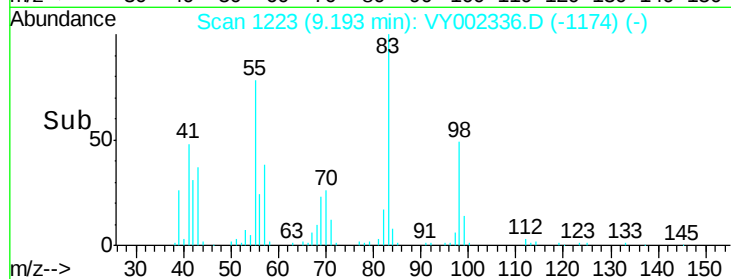
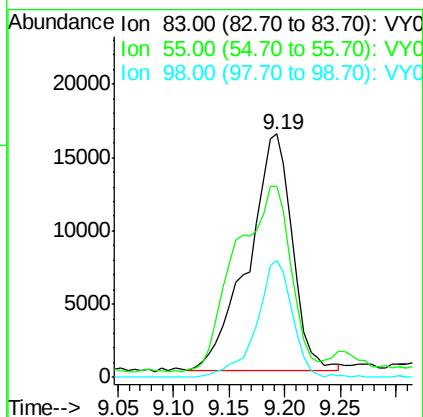
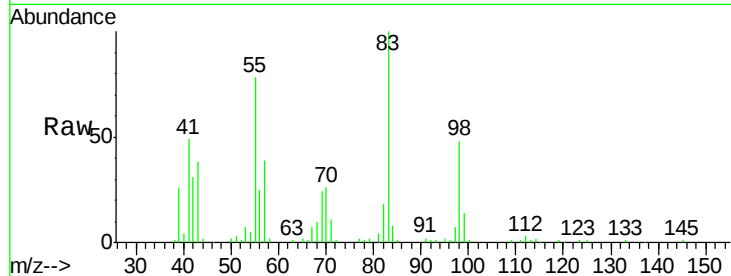




#39
Methylcyclohexane
Concen: 10.972 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY002336.D
Acq: 15 Apr 2020 14:58

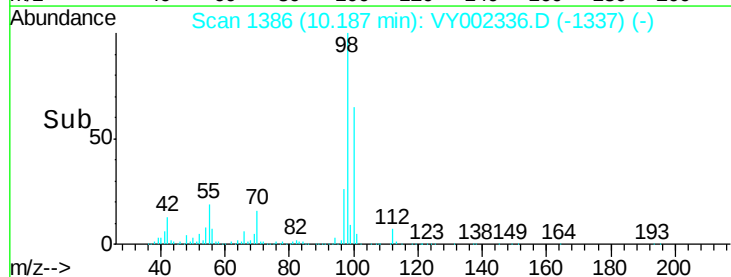
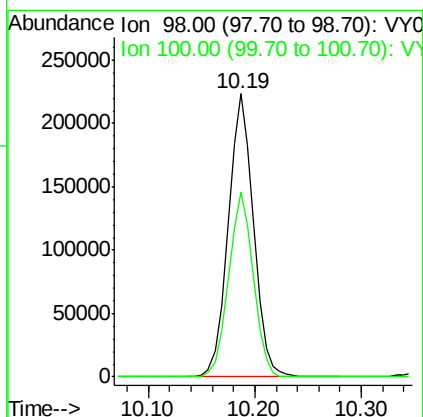
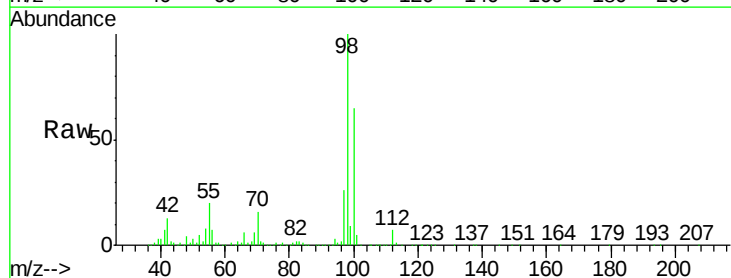
Instrument :
MSVOA_Y
ClientSampleId :
TP-23A

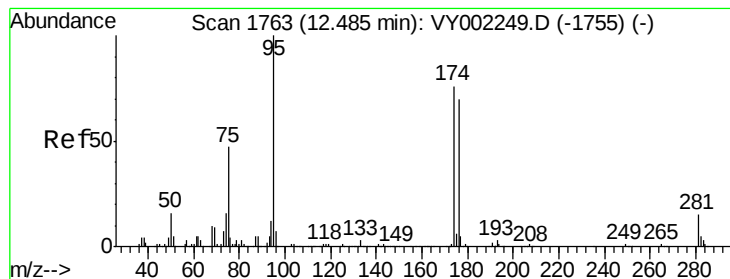
Tot Ion: 83 Resp: 44440
Ion Ratio Lower Upper
83 100
55 76.9 59.3 88.9
98 49.4 39.6 59.4



#50
Toluene-d8
Concen: 49.252 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002336.D
Acq: 15 Apr 2020 14:58

Tgt Ion: 98 Resp: 370805
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 46.024 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002336.D

Acq: 15 Apr 2020 14:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-23A

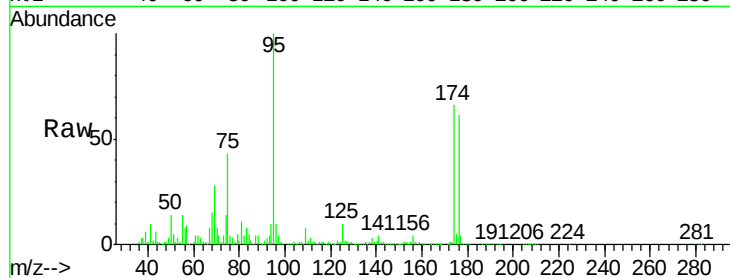
Tot Ion: 95 Resp: 114317

Ion Ratio Lower Upper

95 100

174 67.8 0.0 150.6

176 63.8 0.0 141.4



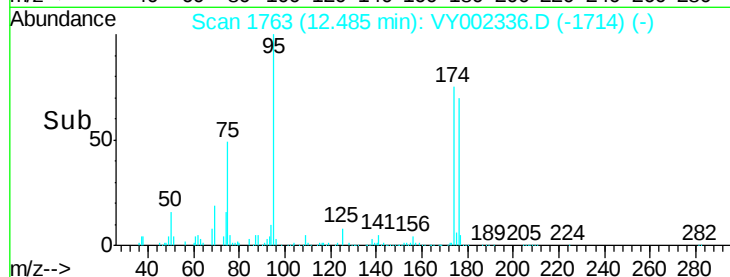
Abundance Ion 94.90 (94.60 to 95.60): VY002249.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002249.D (-1755) (-)

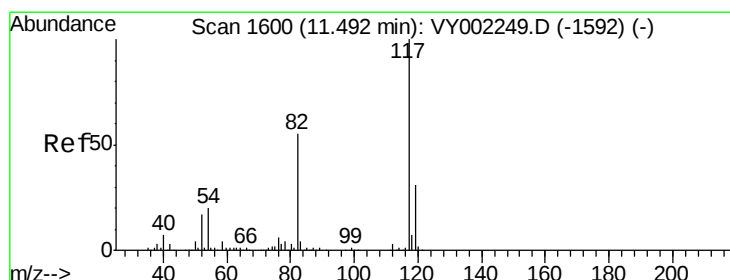
Ion 175.80 (175.50 to 176.50): VY002249.D (-1755) (-)

Time-->

12.48



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VY002336.D

Acq: 15 Apr 2020 14:58

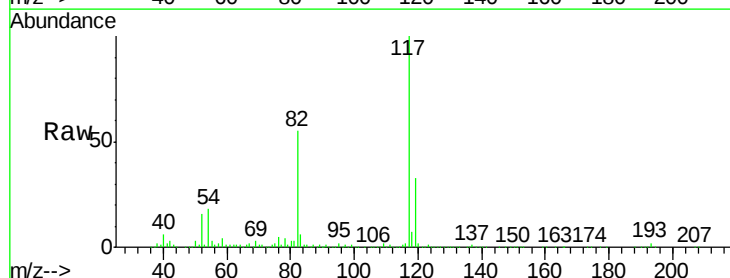
Tgt Ion: 117 Resp: 253976

Ion Ratio Lower Upper

117 100

82 52.1 44.2 66.4

119 32.9 25.1 37.7



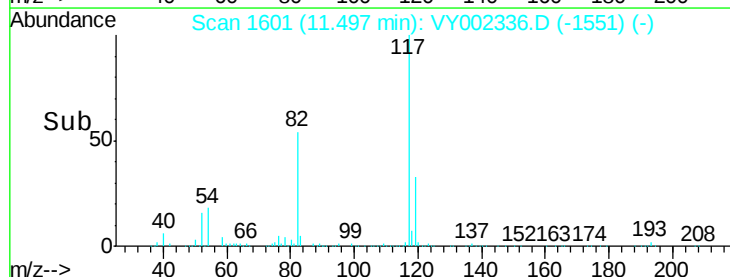
Abundance Ion 116.90 (116.60 to 117.60): VY002249.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002249.D (-1592) (-)

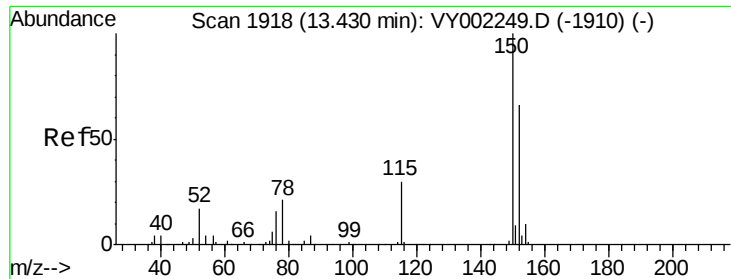
Ion 118.90 (118.60 to 119.60): VY002249.D (-1592) (-)

Time-->

11.50



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002336.D

Acq: 15 Apr 2020 14:58

Instrument :

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ClientSampleId :

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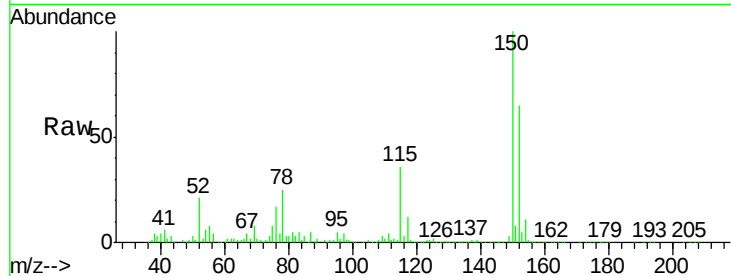
Tot Ion:152 Resp: 88026

Ion Ratio Lower Upper

152 100

115 57.7 30.7 92.1

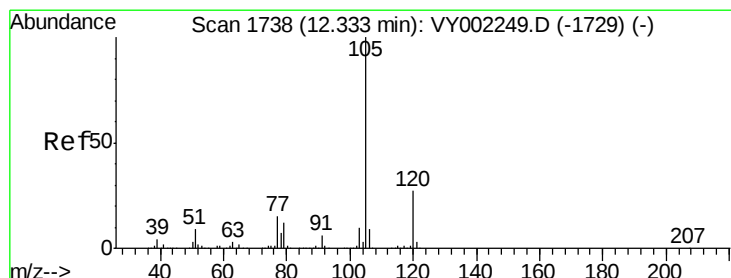
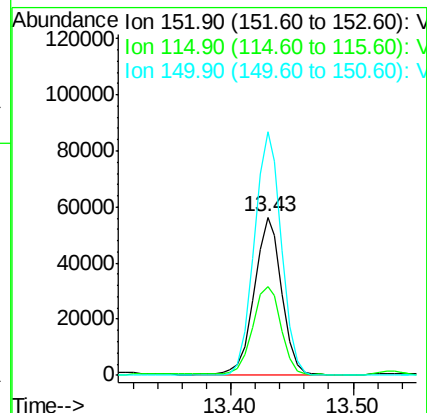
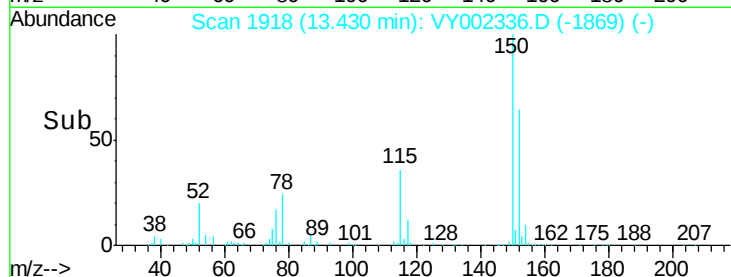
150 151.7 0.0 350.6



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: 3.495 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY002336.D

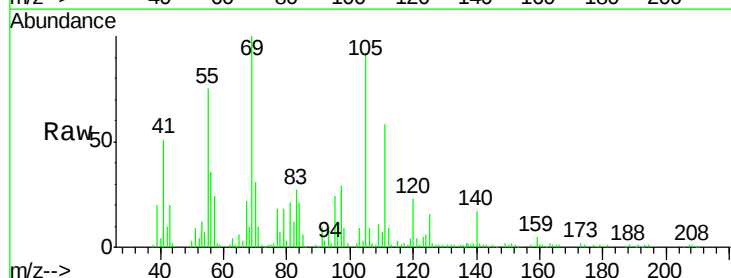
Acq: 15 Apr 2020 14:58

Tgt Ion:105 Resp: 24169

Ion Ratio Lower Upper

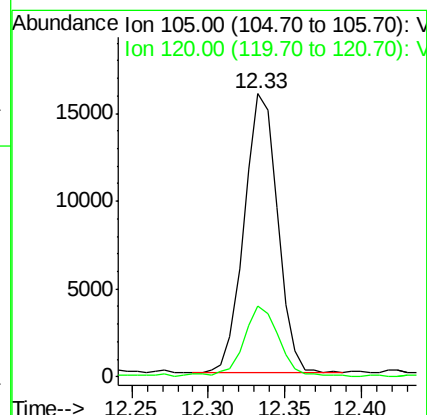
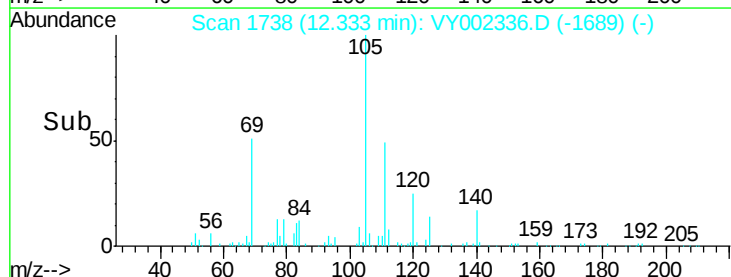
105 100

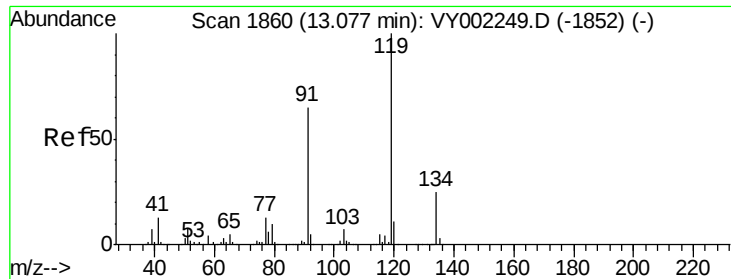
120 27.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 4.890 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY002336.D

Acq: 15 Apr 2020 14:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-23A

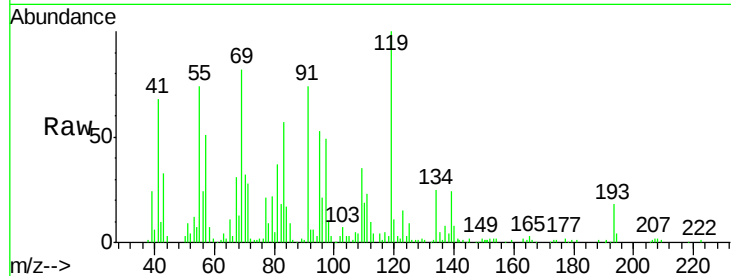
Tot Ion:119 Resp: 23427

Ion Ratio Lower Upper

119 100

91 76.2 32.4 97.0

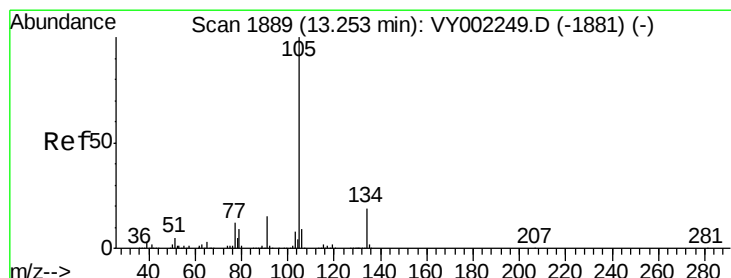
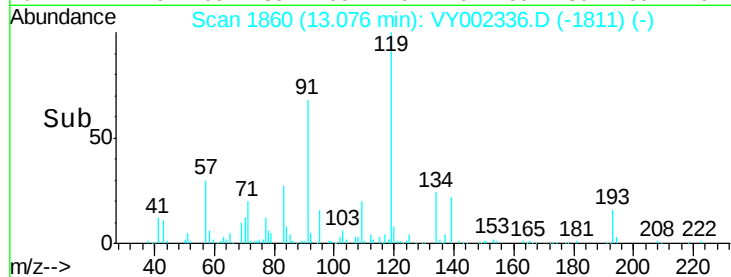
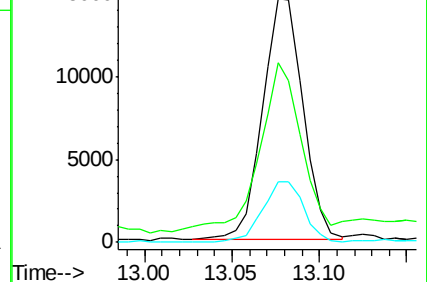
134 25.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 12.520 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002336.D

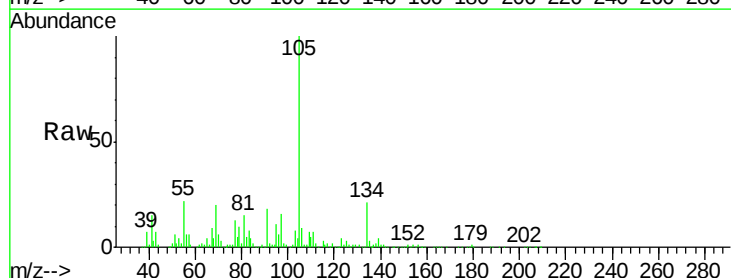
Acq: 15 Apr 2020 14:58

Tgt Ion:105 Resp: 89351

Ion Ratio Lower Upper

105 100

134 27.5 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

