

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040920\
 Data File : VY002268.D
 Acq On : 09 Apr 2020 12:22
 Operator : SY/MD
 Sample : L2205-09
 Misc : 6.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-02-04082020-B

Quant Time: Apr 10 09:03:18 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	139973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	287364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	246280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	85628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	86855	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	
35) Dibromofluoromethane	7.74	113	81267	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	10.19	98	341871	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.49	95	104578	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	

Target Compounds

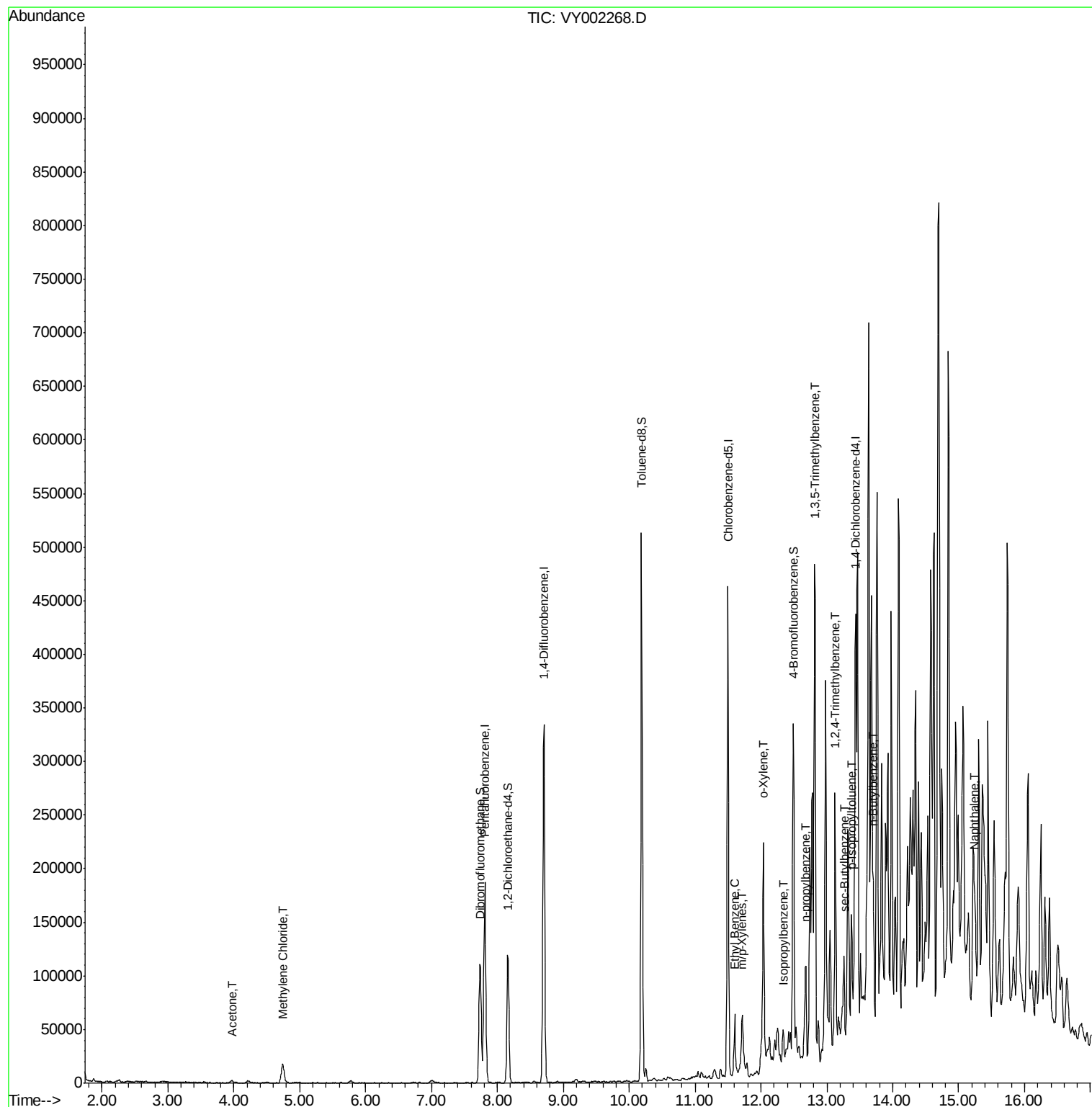
						Qvalue
16) Acetone	3.97	43	3793	9.252	ug/l #	76
20) Methylene Chloride	4.75	84	13291	6.596	ug/l	94
67) Ethyl Benzene	11.60	91	38788	4.139	ug/l	96
68) m/p-Xylenes	11.71	106	7603	2.166	ug/l	96
69) o-Xylene	12.04	106	54460	16.525	ug/l	98
73) Isopropylbenzene	12.34	105	18317	2.723	ug/l	100
78) n-propylbenzene	12.68	91	70059	8.374	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	134120	24.107	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	126207	22.717	ug/l	97
85) sec-Butylbenzene	13.26	105	42922	6.183	ug/l	92
86) p-Isopropyltoluene	13.38	119	34217	5.727	ug/l	100
89) n-Butylbenzene	13.70	91	59698	9.748	ug/l #	76
95) Naphthalene	15.25	128	46063	12.349	ug/l #	93

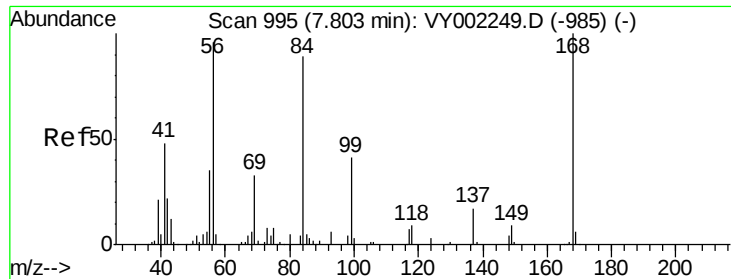
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002268.D

Acq: 09 Apr 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

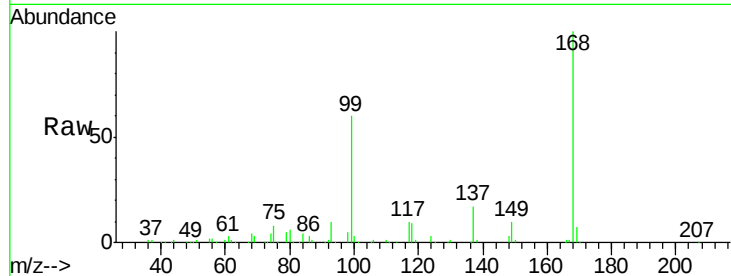
JC-02-04082020-B

Tot Ion:168 Resp: 139973

Ion Ratio Lower Upper

168 100

99 60.1 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

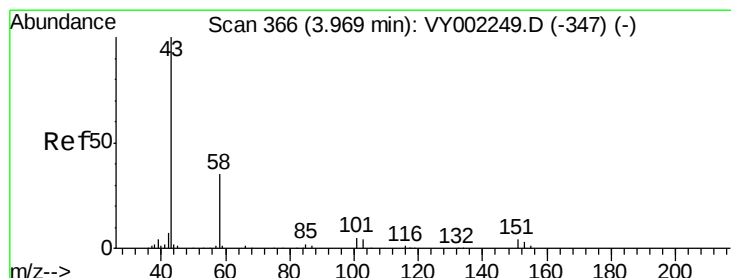
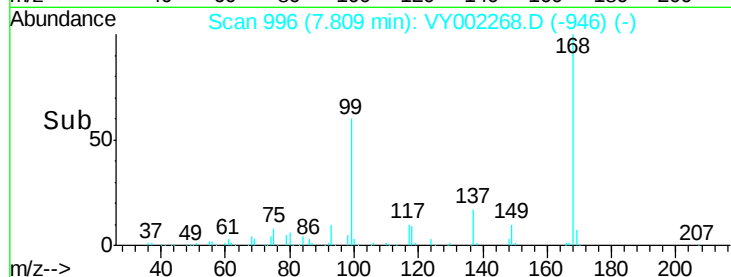
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 9.252 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002268.D

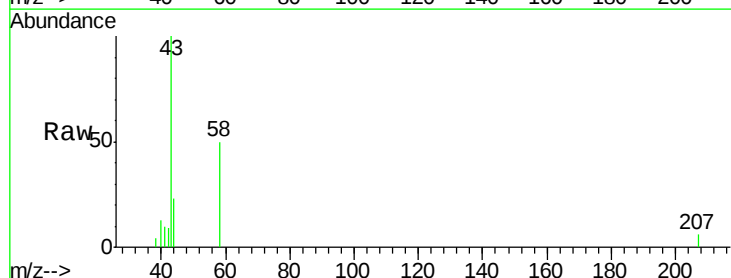
Acq: 09 Apr 2020 12:22

Tgt Ion: 43 Resp: 3793

Ion Ratio Lower Upper

43 100

58 49.5 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

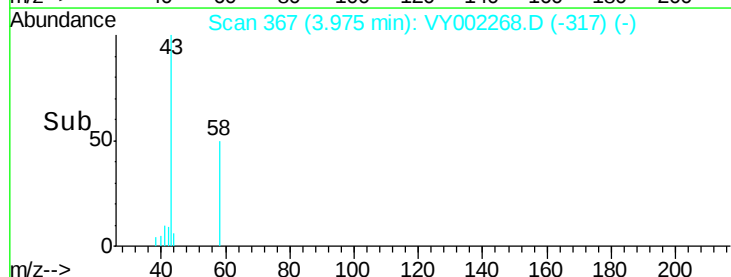
1000

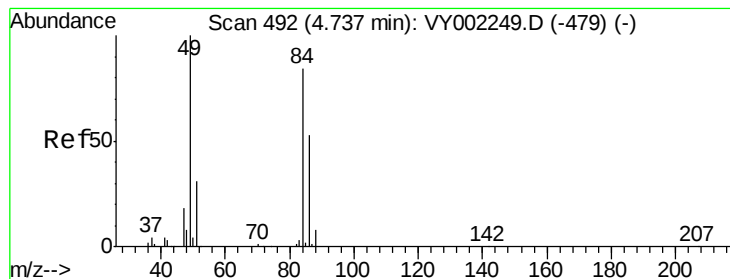
500

0

3.90 4.00 4.10

Time-->





#20

Methylene Chloride

Concen: 6.596 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002268.D

Acq: 09 Apr 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

JC-02-04082020-B

Tot Ion: 84 Resp: 13291

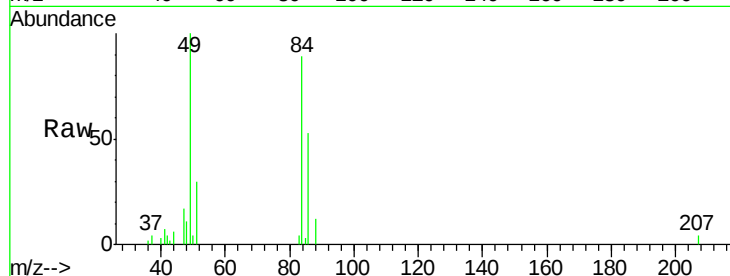
Ion Ratio Lower Upper

84 100

49 111.8 95.5 143.3

51 33.3 29.5 44.3

86 59.3 50.7 76.1

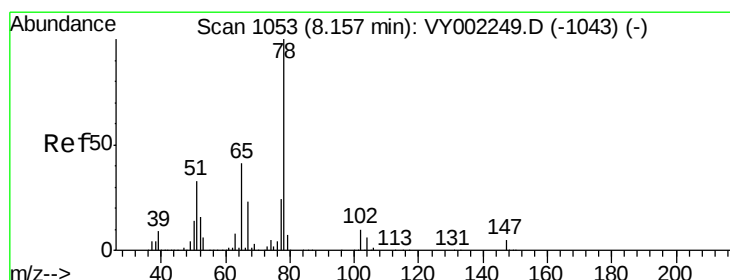
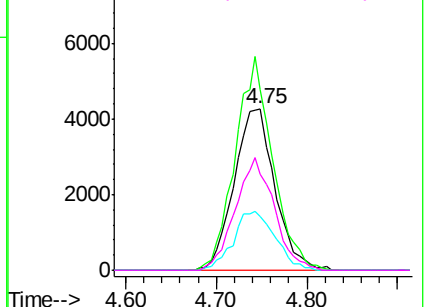
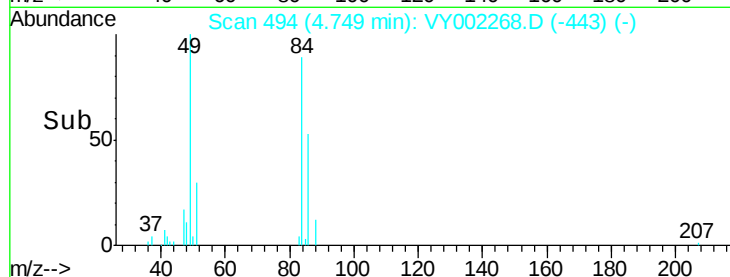


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 55.798 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY002268.D

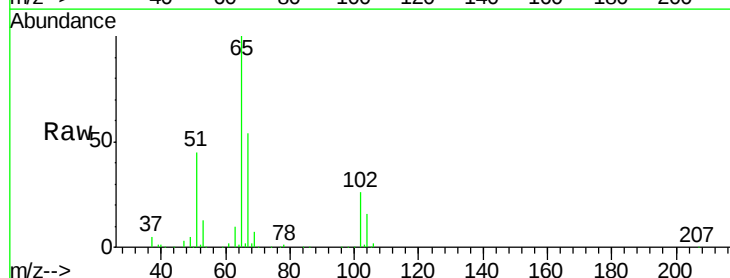
Acq: 09 Apr 2020 12:22

Tgt Ion: 65 Resp: 86855

Ion Ratio Lower Upper

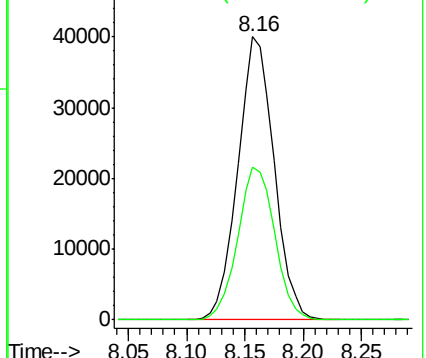
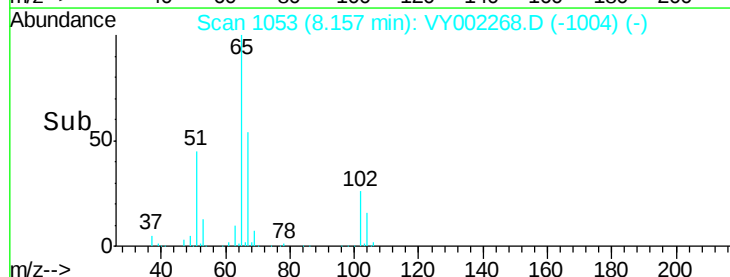
65 100

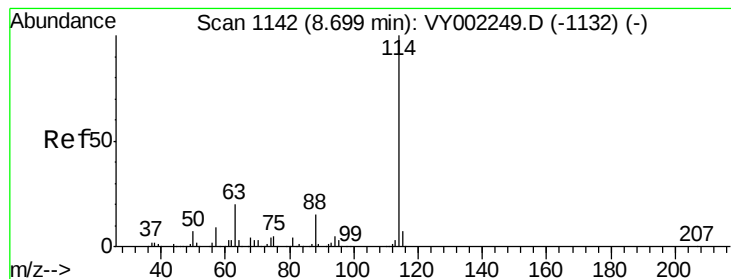
67 55.3 0.0 114.0



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: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY002268.D

Acq: 09 Apr 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

JC-02-04082020-B

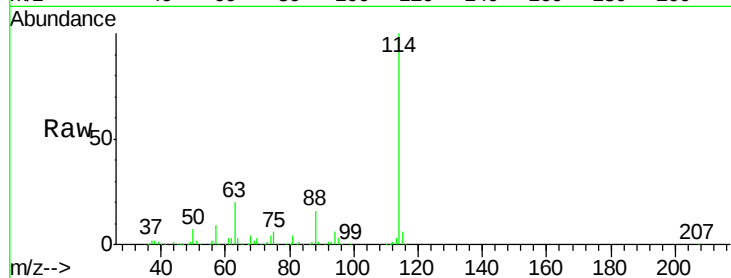
Tot Ion:114 Resp: 287364

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

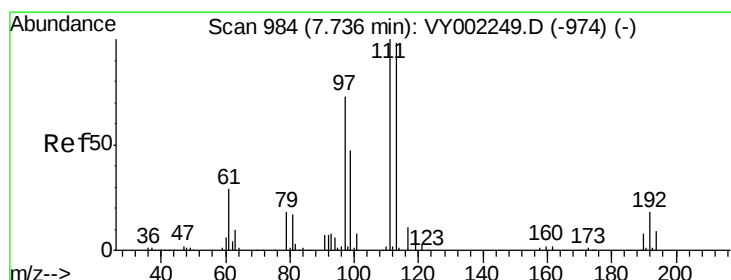
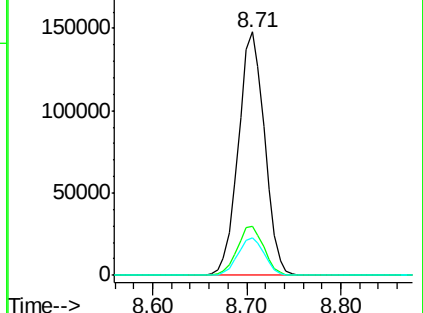
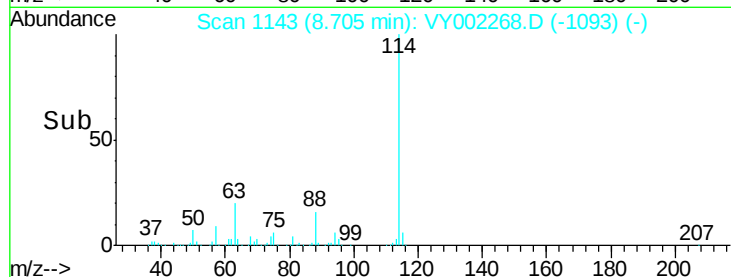
88 15.7 0.0 31.0



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: 47.527 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002268.D

Acq: 09 Apr 2020 12:22

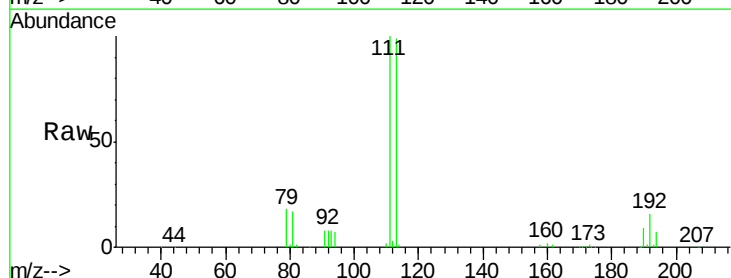
Tgt Ion:113 Resp: 81267

Ion Ratio Lower Upper

113 100

111 102.4 83.5 125.3

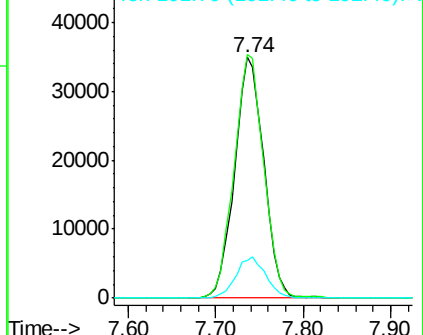
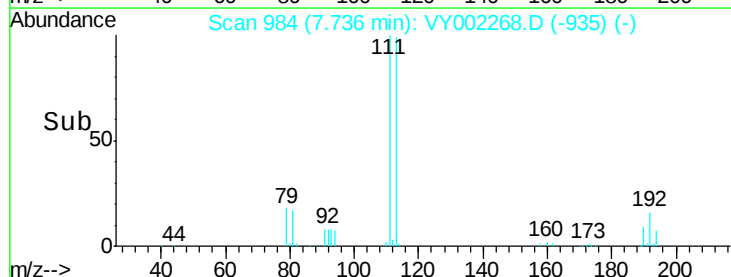
192 17.4 14.7 22.1

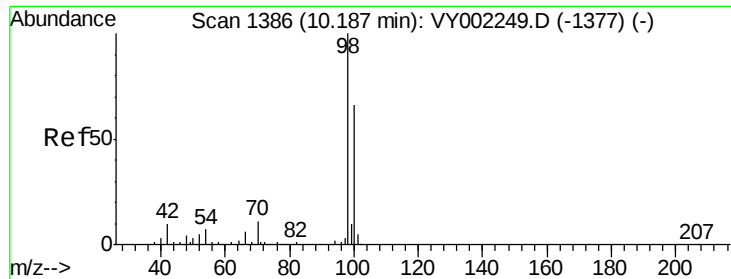


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

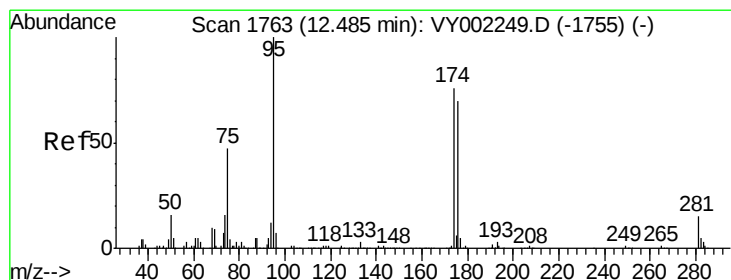
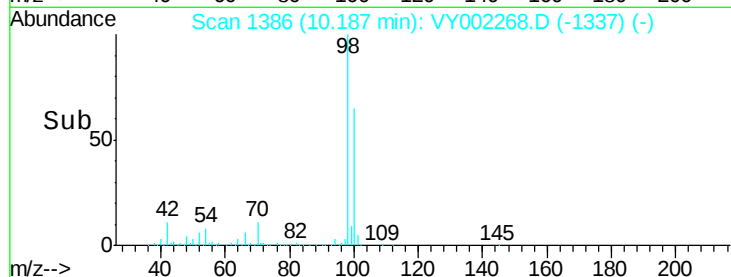
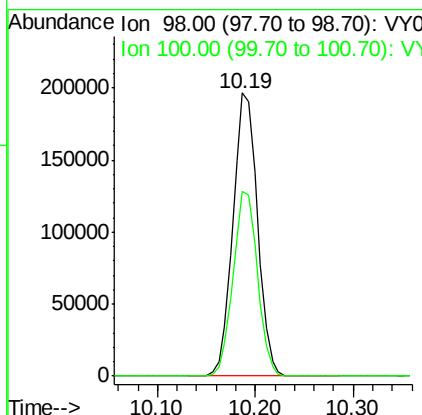
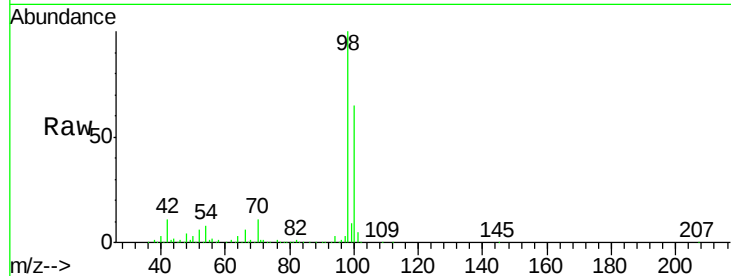




#50
Toluene-d8
Concen: 47.767 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002268.D
Acq: 09 Apr 2020 12:22

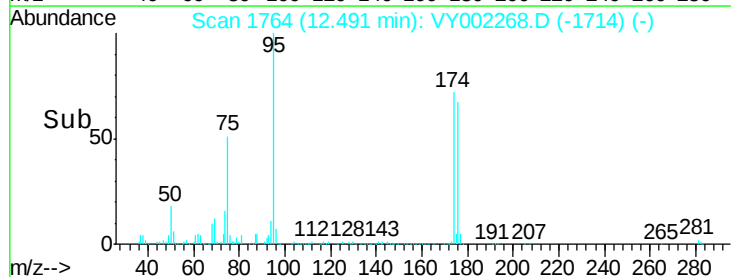
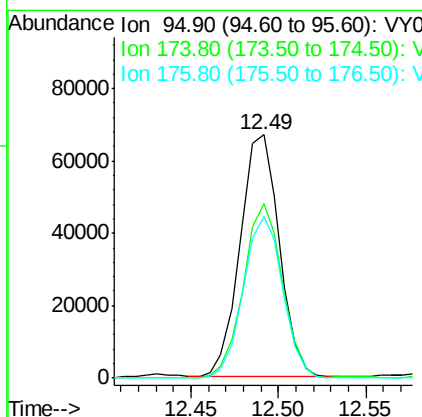
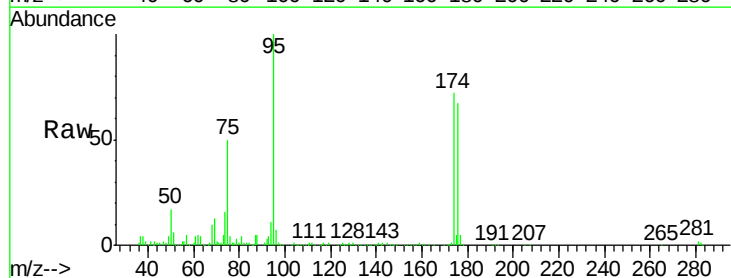
Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-B

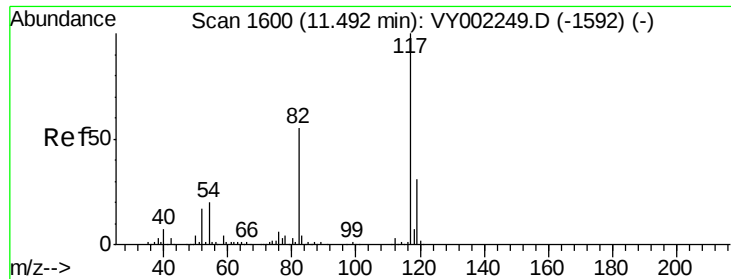
Tot Ion: 98 Resp: 341871
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 44.290 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002268.D
Acq: 09 Apr 2020 12:22

Tgt Ion: 95 Resp: 104578
Ion Ratio Lower Upper
95 100
174 71.6 0.0 150.6
176 66.9 0.0 141.4

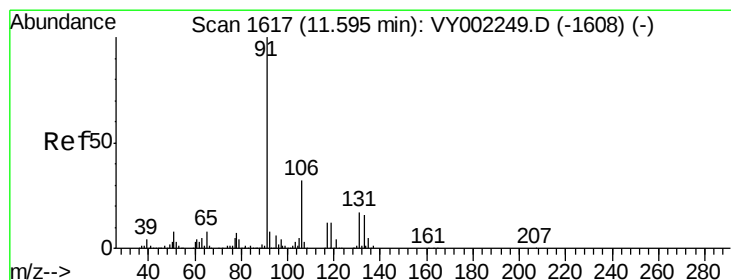
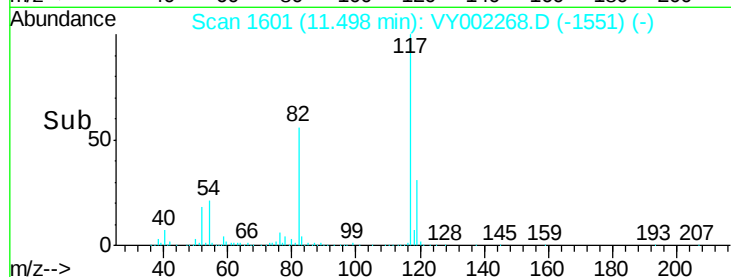
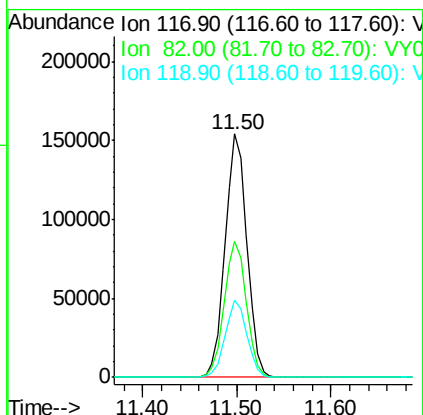
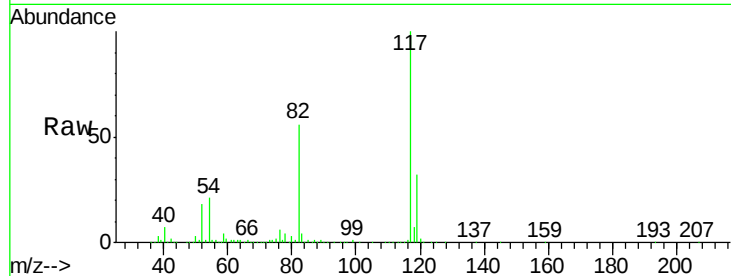




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002268.D
Acq: 09 Apr 2020 12:22

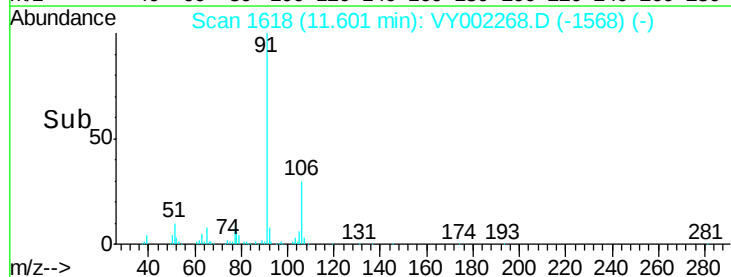
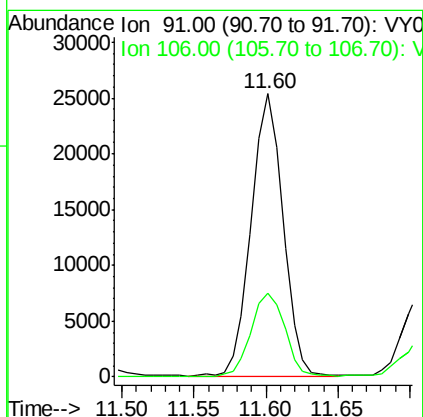
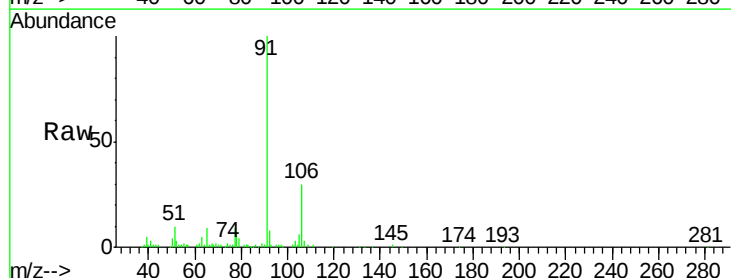
Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-B

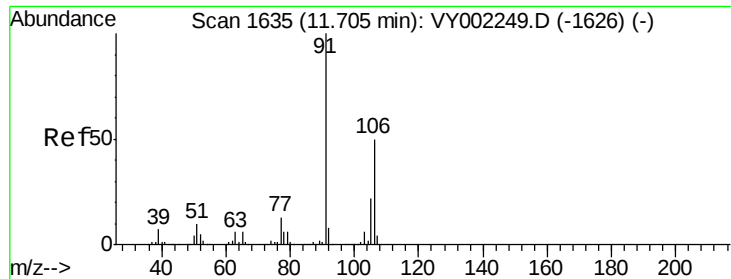
Tot Ion:117 Resp: 246280
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.4
119 31.5 25.1 37.7



#67
Ethyl Benzene
Concen: 4.139 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002268.D
Acq: 09 Apr 2020 12:22

Tgt Ion: 91 Resp: 38788
Ion Ratio Lower Upper
91 100
106 29.6 25.4 38.0

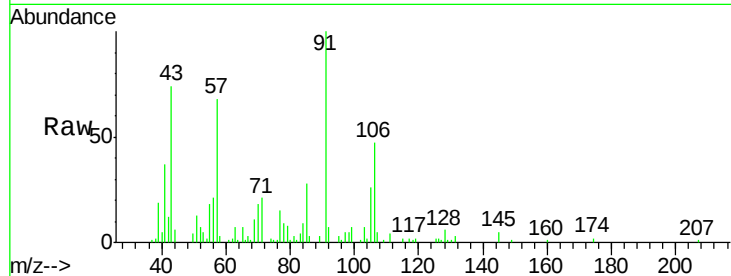




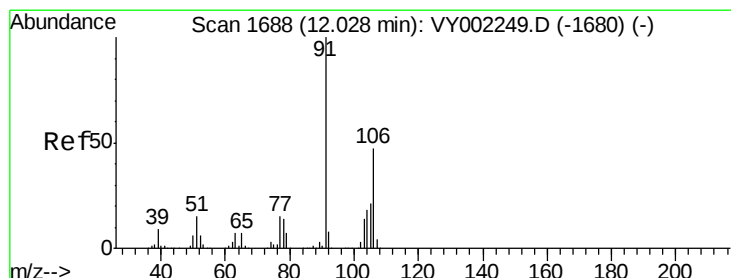
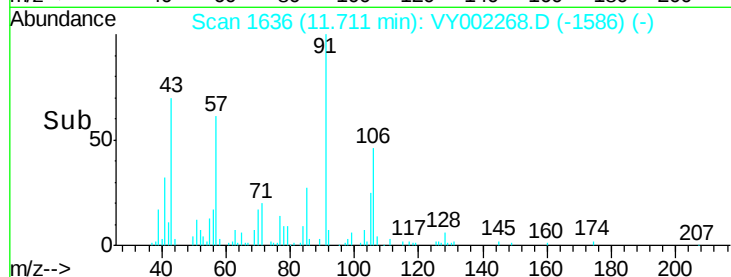
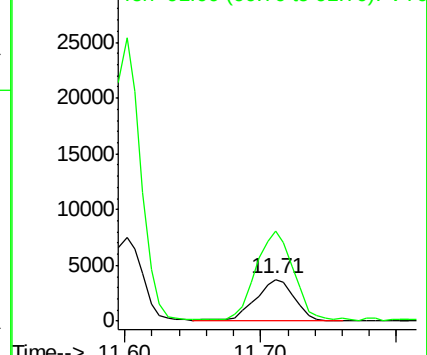
#68
m/p-Xylenes
Concen: 2.166 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002268.D
Acq: 09 Apr 2020 12:22

Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-B

Tot Ion:106 Resp: 7603
Ion Ratio Lower Upper
106 100
91 205.2 159.8 239.6

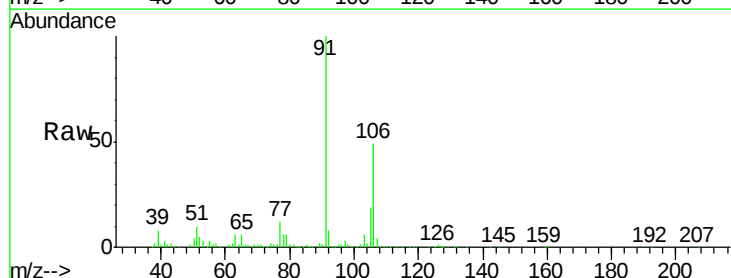


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

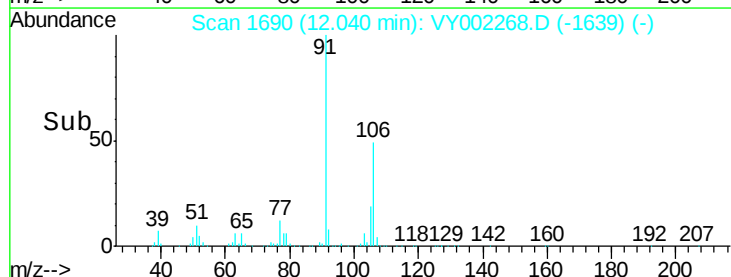
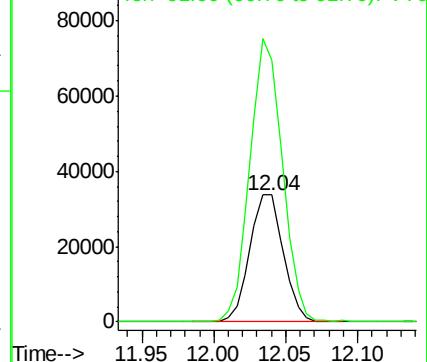


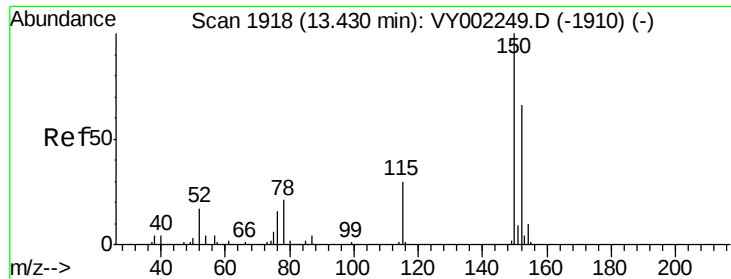
#69
o-Xylene
Concen: 16.525 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002268.D
Acq: 09 Apr 2020 12:22

Tgt Ion:106 Resp: 54460
Ion Ratio Lower Upper
106 100
91 215.0 105.8 317.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002268.D

Acq: 09 Apr 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

JC-02-04082020-B

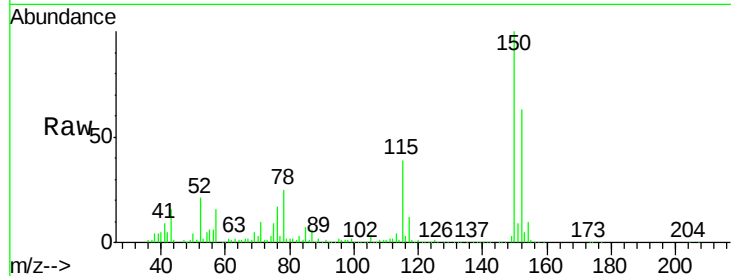
Tot Ion:152 Resp: 85628

Ion Ratio Lower Upper

152 100

115 72.1 30.7 92.1

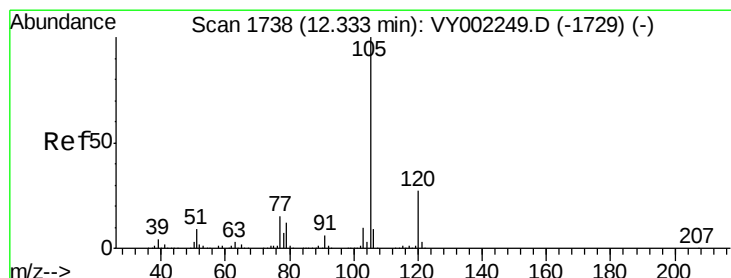
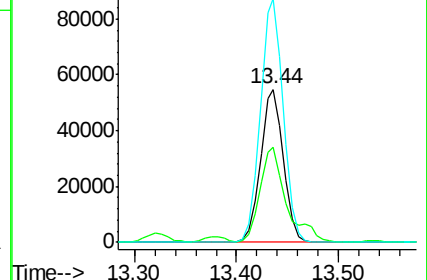
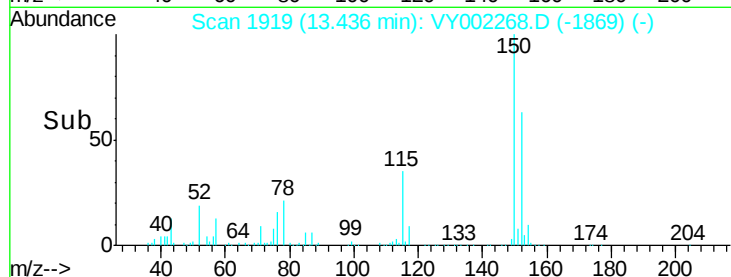
150 159.2 0.0 350.6



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: 2.723 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY002268.D

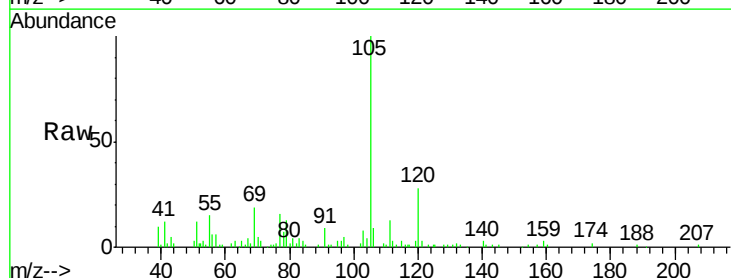
Acq: 09 Apr 2020 12:22

Tgt Ion:105 Resp: 18317

Ion Ratio Lower Upper

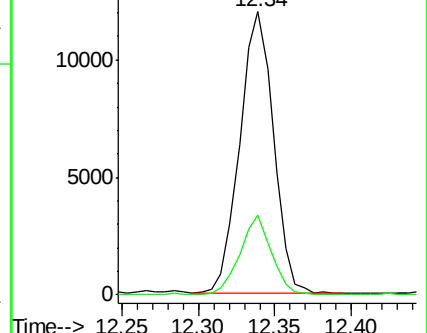
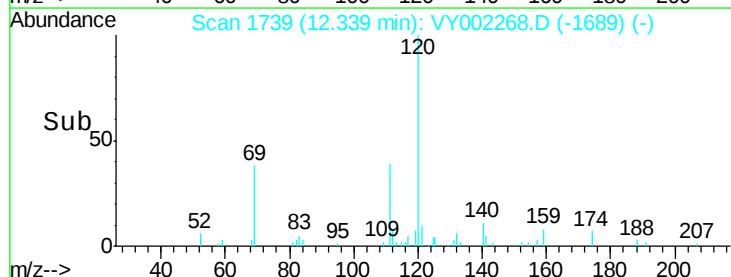
105 100

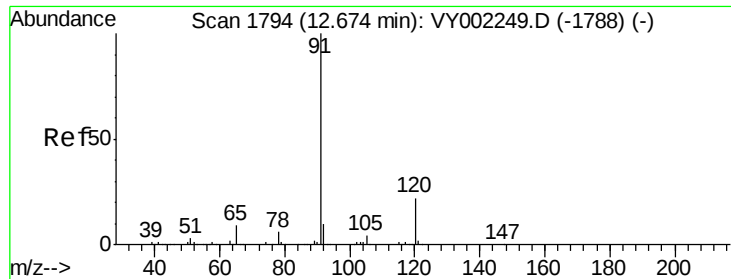
120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.374 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY002268.D

Acq: 09 Apr 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

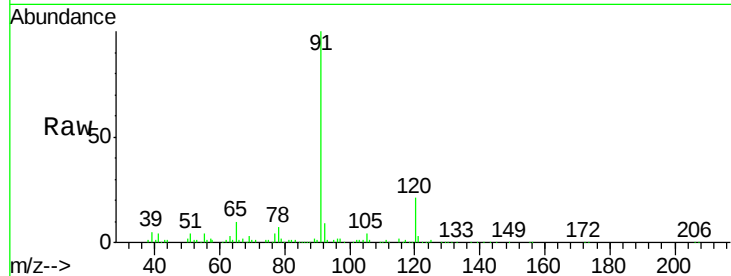
JC-02-04082020-B

Tot Ion: 91 Resp: 70059

Ion Ratio Lower Upper

91 100

120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

50000

40000

30000

20000

10000

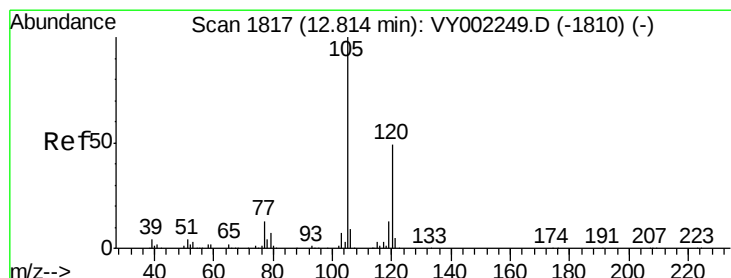
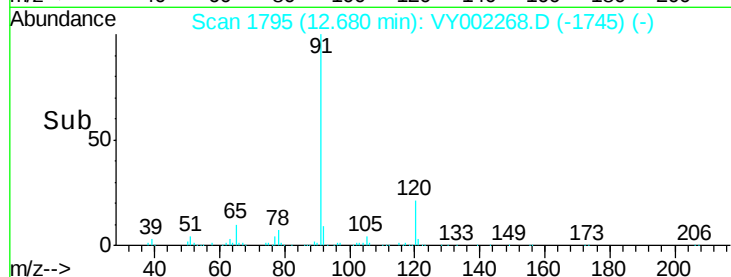
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 24.107 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VY002268.D

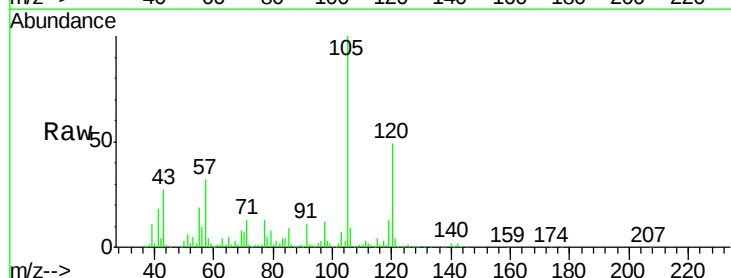
Acq: 09 Apr 2020 12:22

Tgt Ion:105 Resp: 134120

Ion Ratio Lower Upper

105 100

120 48.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

100000

80000

60000

40000

20000

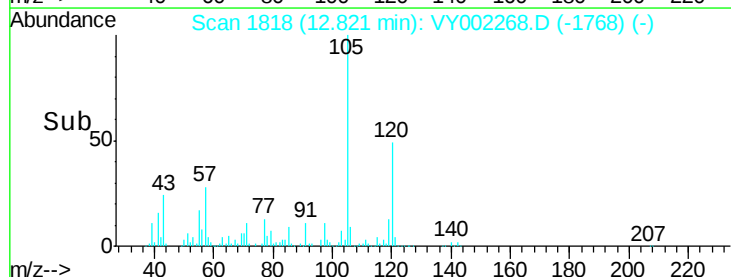
0

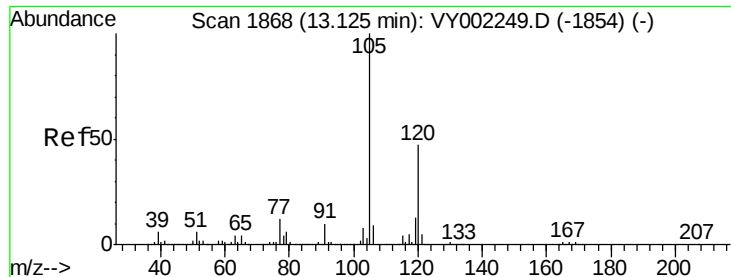
12.80

12.85

12.90

Time-->

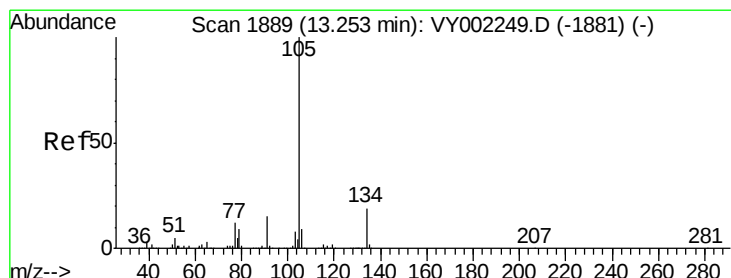
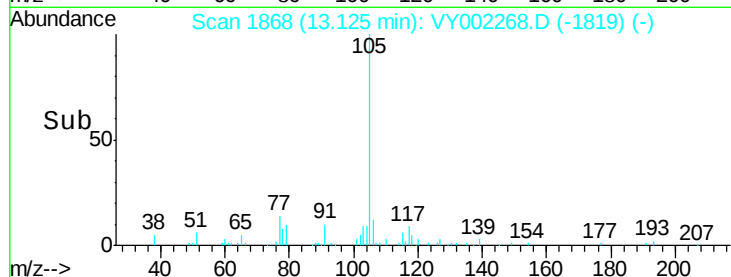
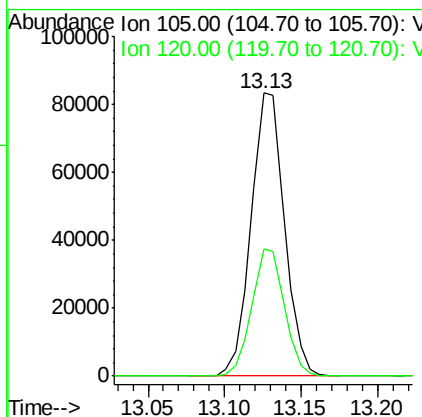
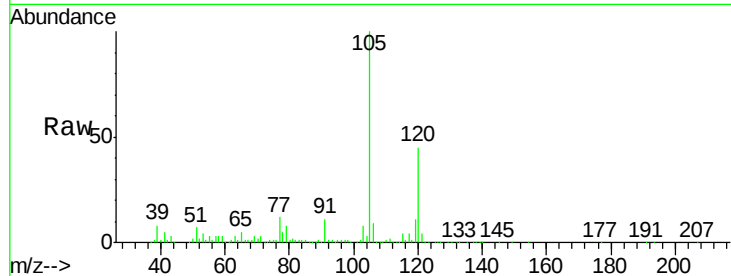




#84
 1,2,4-Trimethylbenzene
 Concen: 22.717 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002268.D
 Acq: 09 Apr 2020 12:22

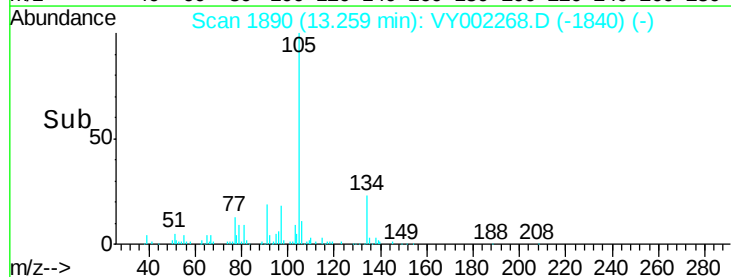
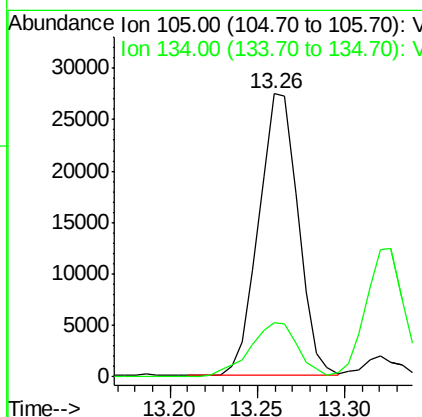
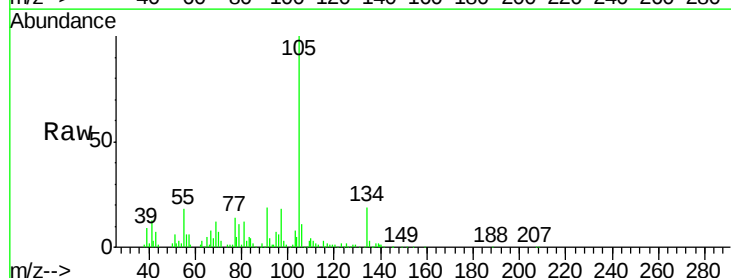
Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-02-04082020-B

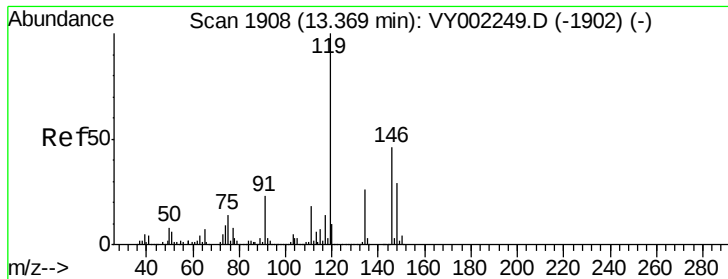
Tot Ion:105 Resp: 126207
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 6.183 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.01 min
 Lab File: VY002268.D
 Acq: 09 Apr 2020 12:22

Tgt Ion:105 Resp: 42922
 Ion Ratio Lower Upper
 105 100
 134 23.4 9.8 29.3

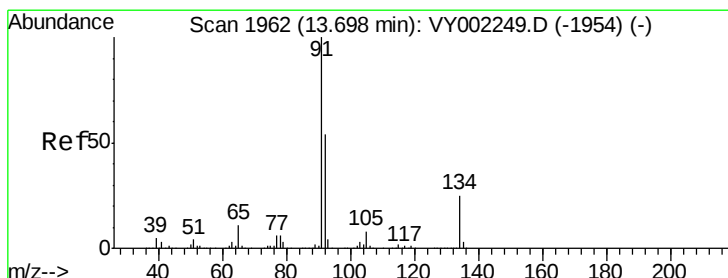
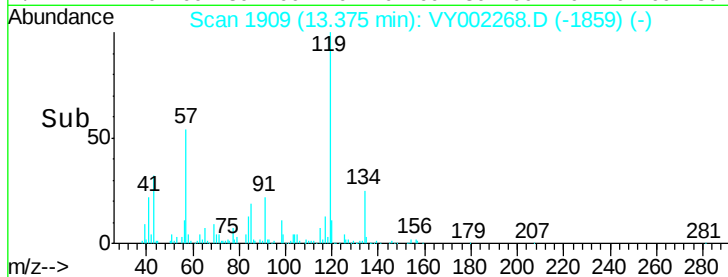
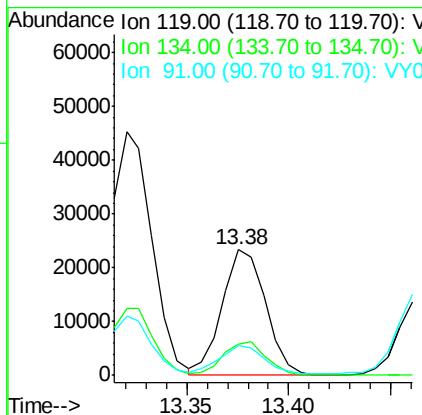
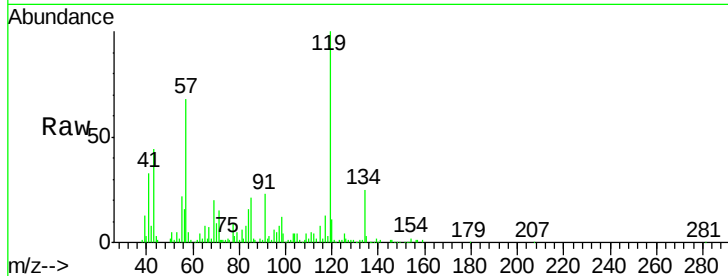




#86
p-Isopropyltoluene
Concen: 5.727 ug/l
RT: 13.38 min Scan# 1909
Delta R.T. 0.01 min
Lab File: VY002268.D
Acq: 09 Apr 2020 12:22

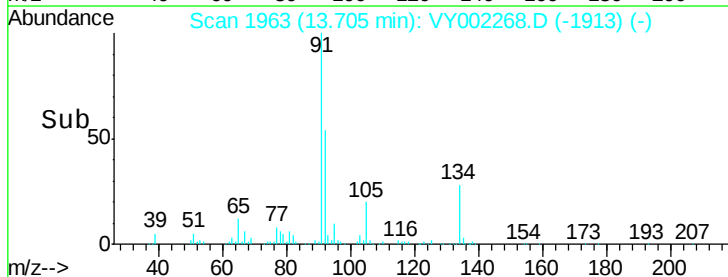
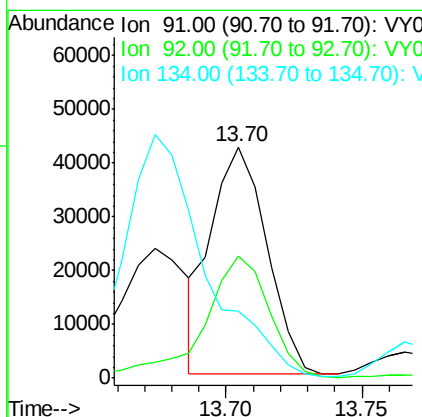
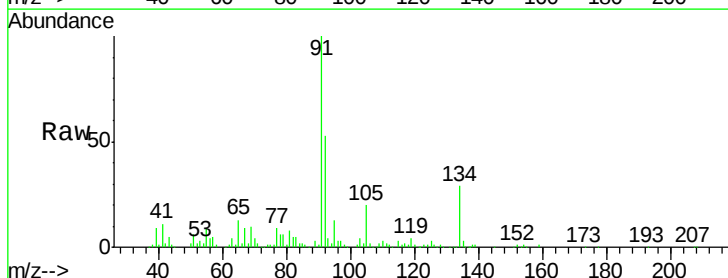
Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-B

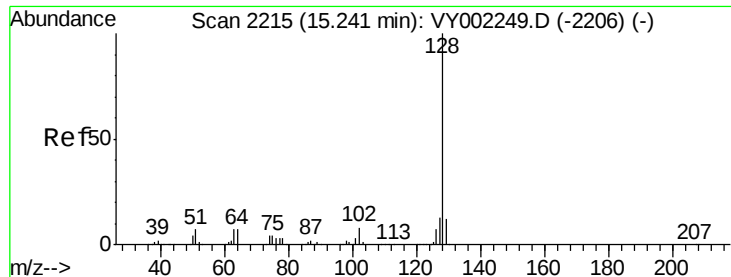
Tot Ion:119 Resp: 34217
Ion Ratio Lower Upper
119 100
134 26.3 13.3 39.9
91 22.9 11.5 34.4



#89
n-Butylbenzene
Concen: 9.748 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.01 min
Lab File: VY002268.D
Acq: 09 Apr 2020 12:22

Tgt Ion: 91 Resp: 59698
Ion Ratio Lower Upper
91 100
92 63.0 27.2 81.6
134 0.0 12.7 38.0#

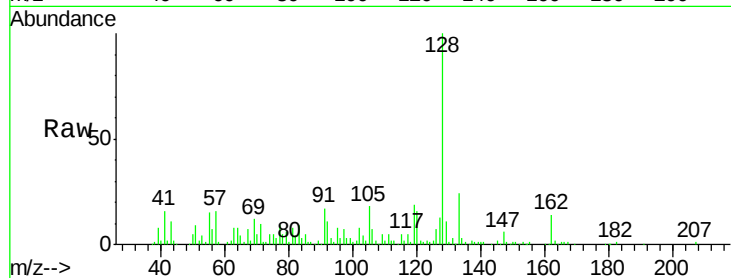




#95
 Naphthalene
 Concen: 12.349 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: VY002268.D
 Acq: 09 Apr 2020 12:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-02-04082020-B

Tot Ion:128 Resp: 46063
 Ion Ratio Lower Upper
 128 100
 127 14.9 10.1 15.1
 129 14.5 8.7 13.1#



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

