

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001724.D
 Acq On : 20 Feb 2020 15:12
 Operator : SY/MD
 Sample : L1601-01
 Misc : 5.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-2

Quant Time: Feb 21 08:35:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	171005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	310280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	122939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	98427	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
35) Dibromofluoromethane	7.75	113	90089	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	10.19	98	375108	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.50	95	130586	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

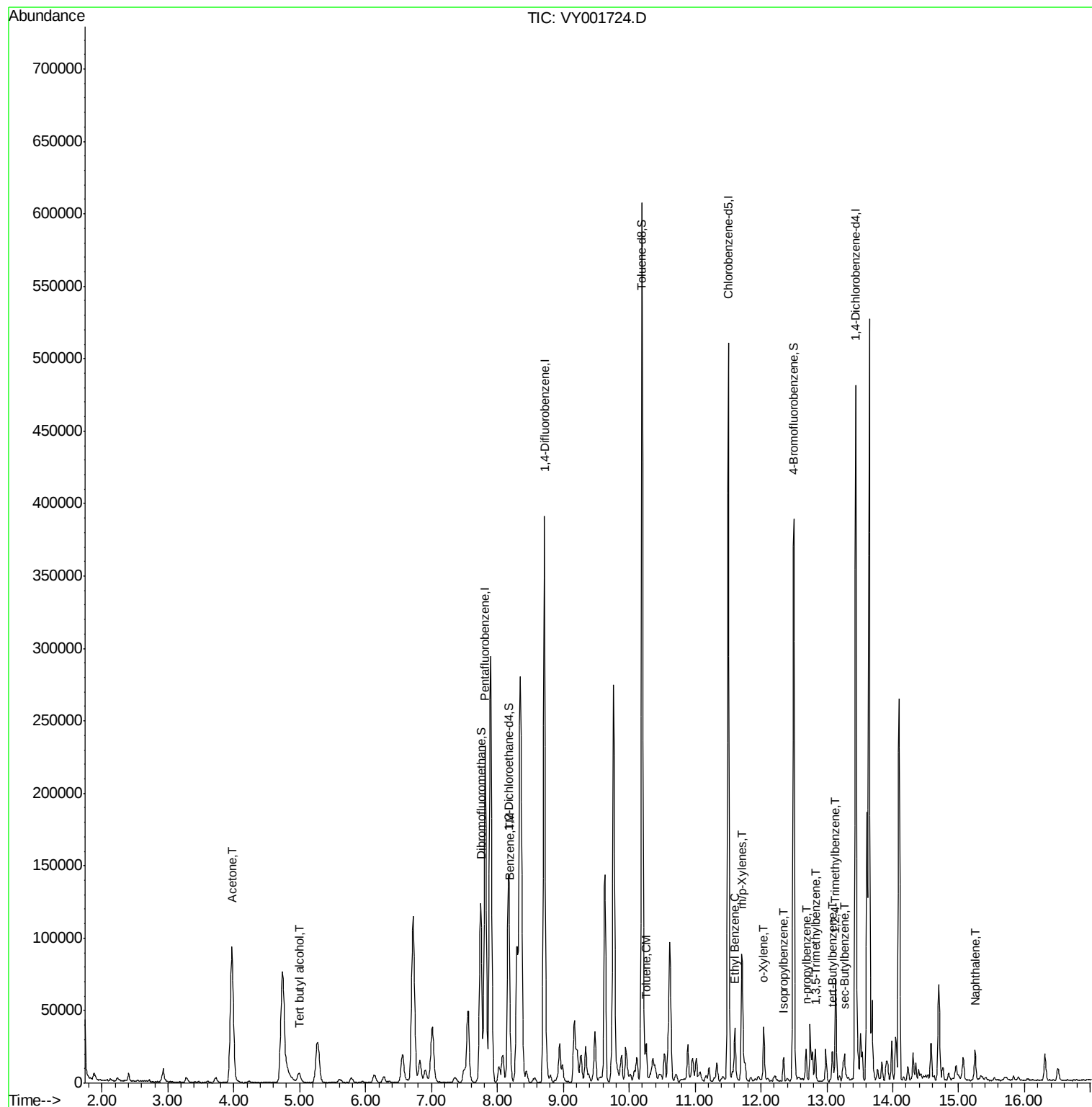
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	14479	47.425	ug/l #	89
16) Acetone	3.97	43	70605	110.935	ug/l #	64
40) Benzene	8.19	78	24954	2.863	ug/l	100
52) Toluene	10.26	92	8954	1.647	ug/l	95
67) Ethyl Benzene	11.61	91	20425	1.994	ug/l	100
68) m/p-Xylenes	11.71	106	27040	7.068	ug/l	97
69) o-Xylene	12.04	106	9851	2.709	ug/l	95
73) Isopropylbenzene	12.35	105	10637	1.136	ug/l	99
78) n-propylbenzene	12.69	91	16819	1.474	ug/l	96
80) 1,3,5-Trimethylbenzene	12.83	105	10167	1.311	ug/l	98
83) tert-Butylbenzene	13.08	119	8857	1.366	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	38556	4.988	ug/l	98
85) sec-Butylbenzene	13.27	105	12188	1.278	ug/l #	75
95) Naphthalene	15.25	128	17285	3.113	ug/l	98

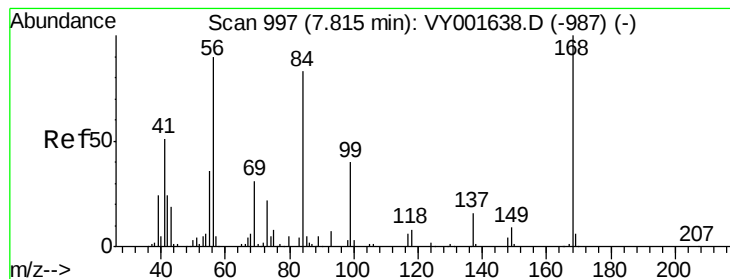
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

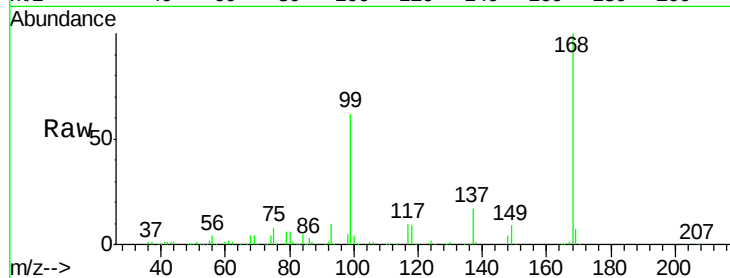
B-2

Tot Ion:168 Resp: 171005

Ion Ratio Lower Upper

168 100

99 61.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001724.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001724.D (-948) (-)

7.82

80000

60000

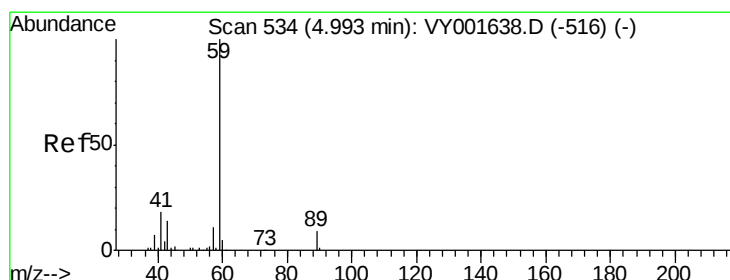
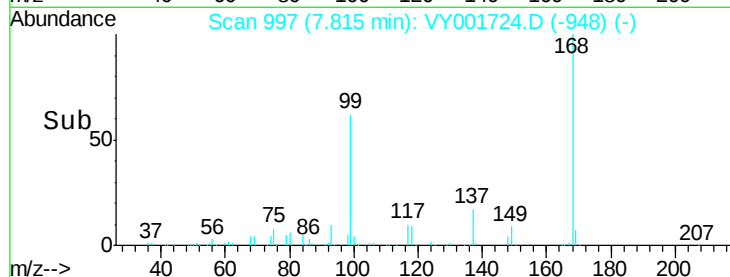
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 47.425 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001724.D

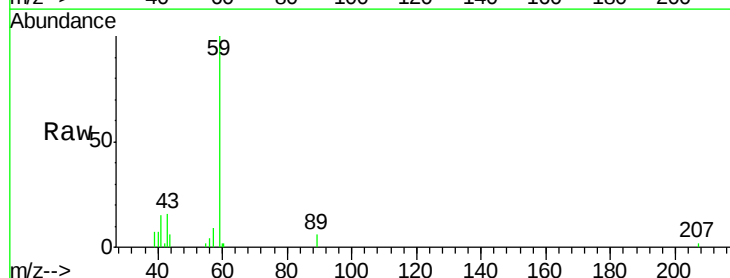
Acq: 20 Feb 2020 15:12

Tgt Ion: 59 Resp: 14479

Ion Ratio Lower Upper

59 100

57 5.4 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001724.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001724.D (-485) (-)

4.99

4000

3000

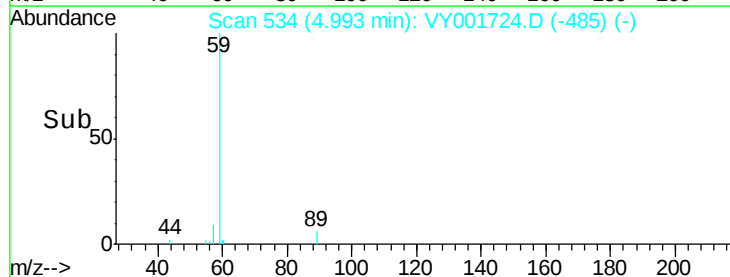
2000

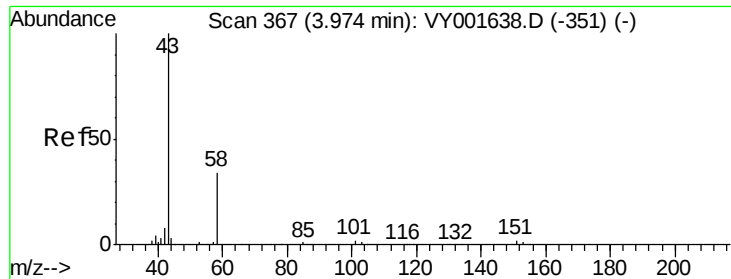
1000

0

4.90 5.00 5.10

Time-->

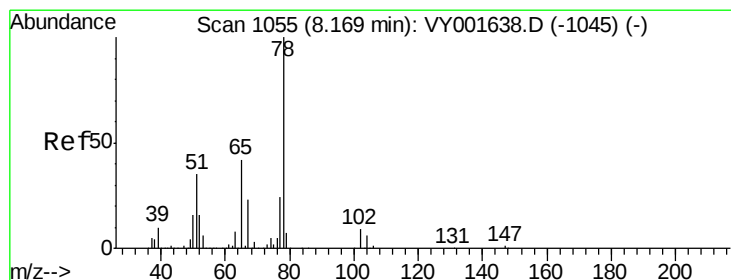
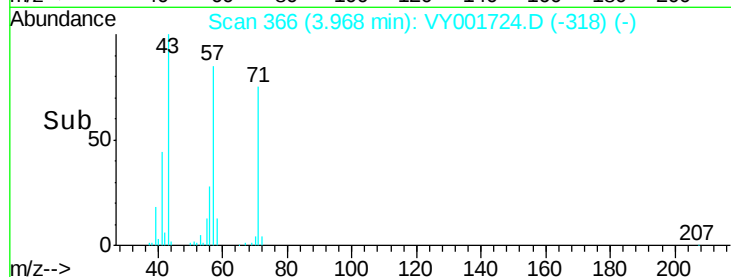
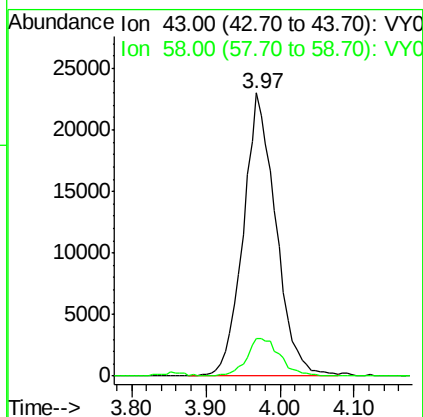
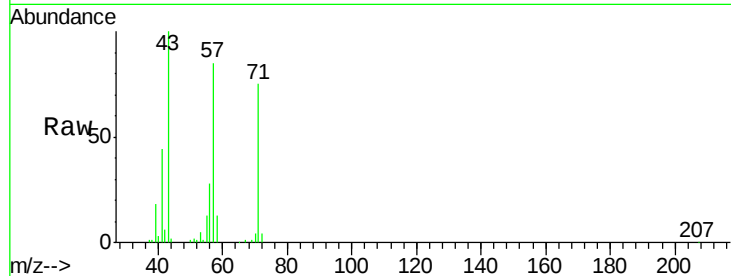




#16
Acetone
Concen: 110.935 ug/l
RT: 3.97 min Scan# 366
Delta R.T. -0.01 min
Lab File: VY001724.D
Acq: 20 Feb 2020 15:12

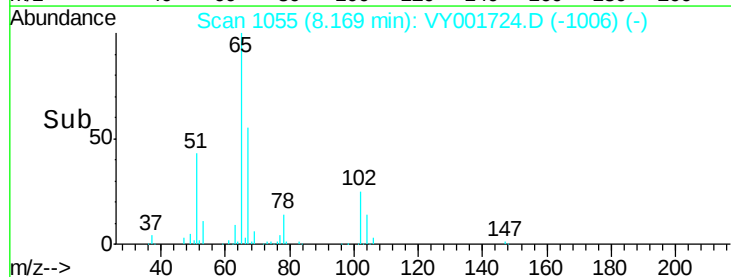
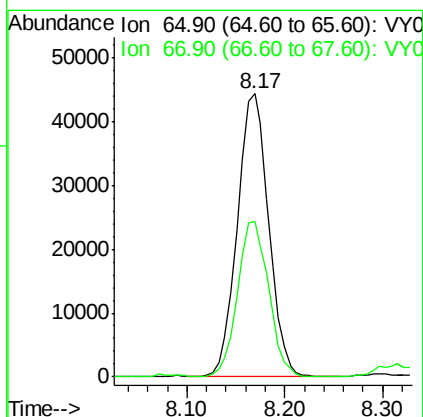
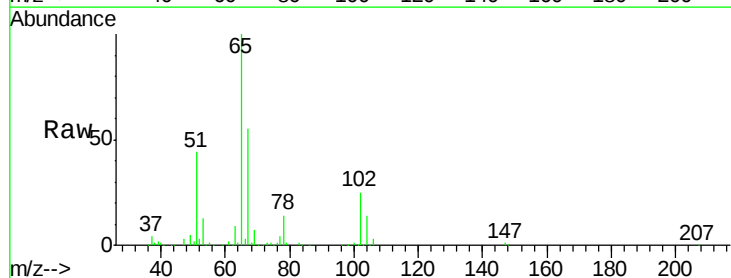
Instrument :
MSVOA_Y
ClientSampled :
B-2

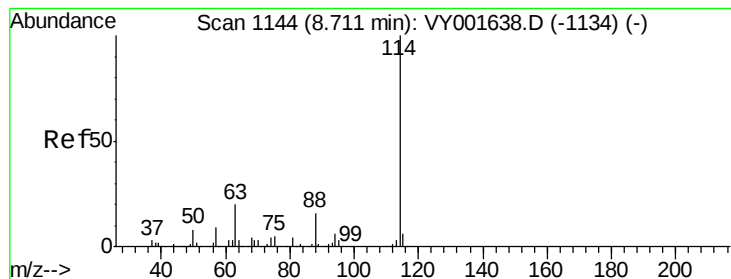
Tot Ion: 43 Resp: 70605
Ion Ratio Lower Upper
43 100
58 13.4 27.3 40.9#



#33
1,2-Dichloroethane-d4
Concen: 53.510 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001724.D
Acq: 20 Feb 2020 15:12

Tgt Ion: 65 Resp: 98427
Ion Ratio Lower Upper
65 100
67 54.8 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

B-2

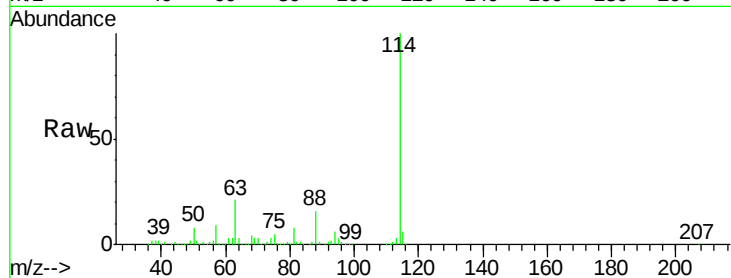
Tot Ion:114 Resp: 310280

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.4

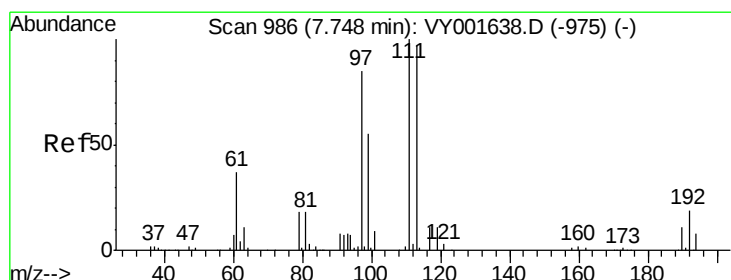
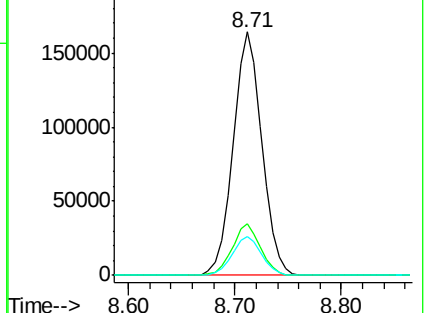
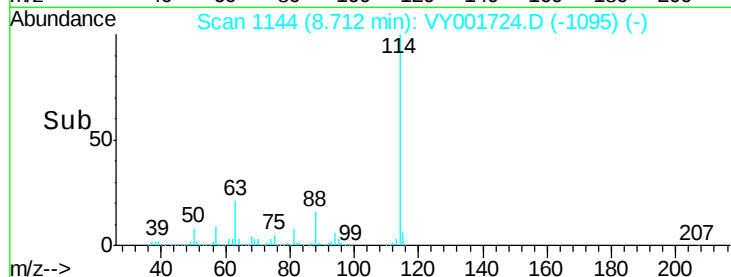
88 15.9 0.0 32.8



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: 50.693 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

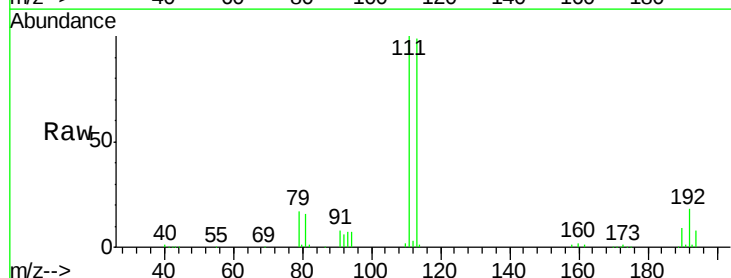
Tgt Ion:113 Resp: 90089

Ion Ratio Lower Upper

113 100

111 104.3 81.9 122.9

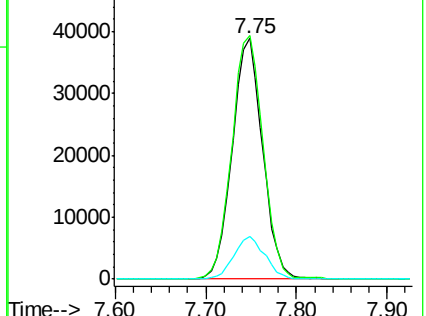
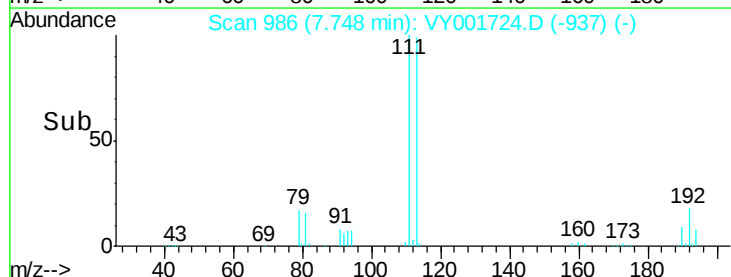
192 17.9 14.3 21.5

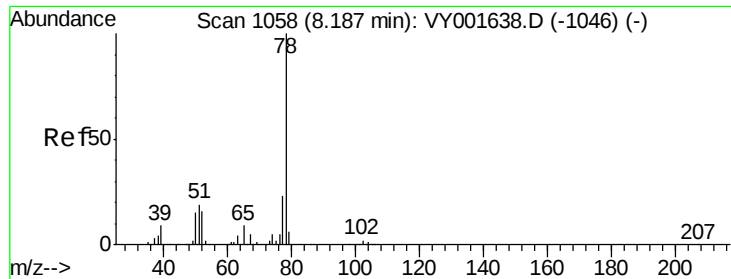


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 2.863 ug/l

RT: 8.19 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

Instrument :

MSVOA_Y

ClientSampled :

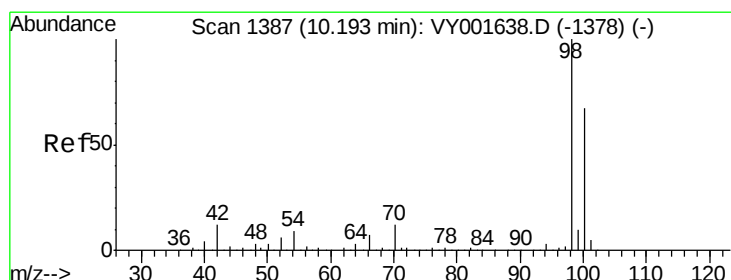
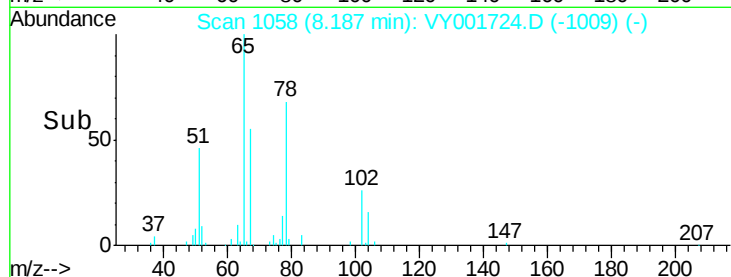
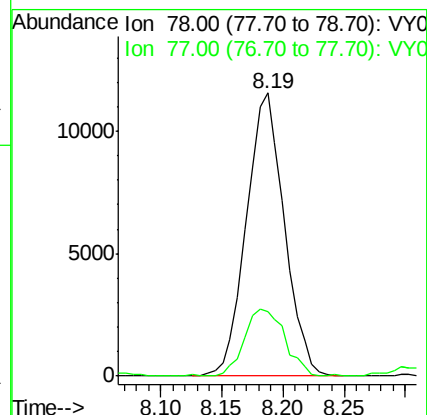
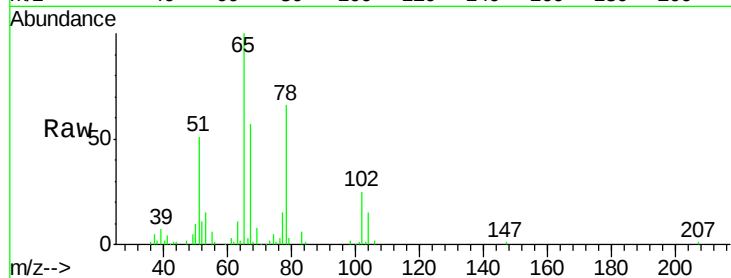
B-2

Tot Ion: 78 Resp: 24954

Ion Ratio Lower Upper

78 100

77 22.7 18.2 27.4



#50

Toluene-d8

Concen: 53.877 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001724.D

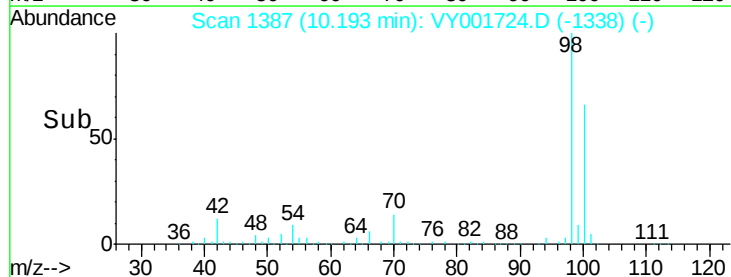
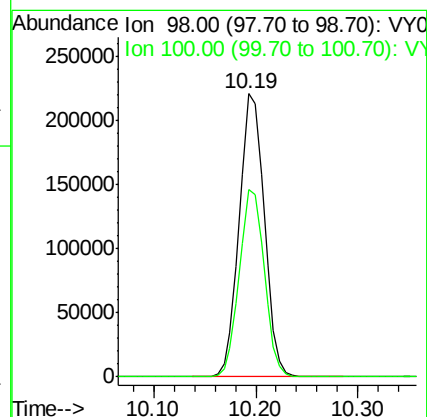
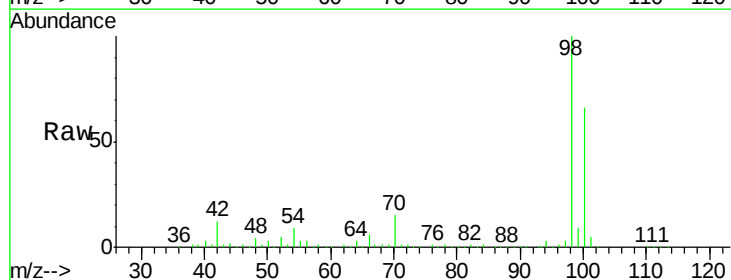
Acq: 20 Feb 2020 15:12

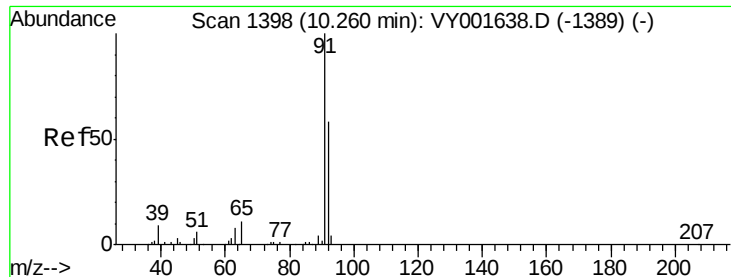
Tgt Ion: 98 Resp: 375108

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4





#52

Toluene

Concen: 1.647 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

Instrument :

MSVOA_Y

ClientSampled :

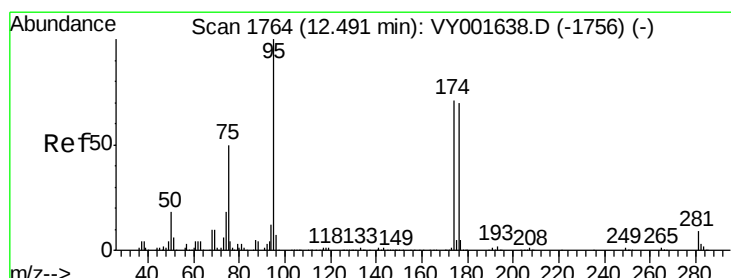
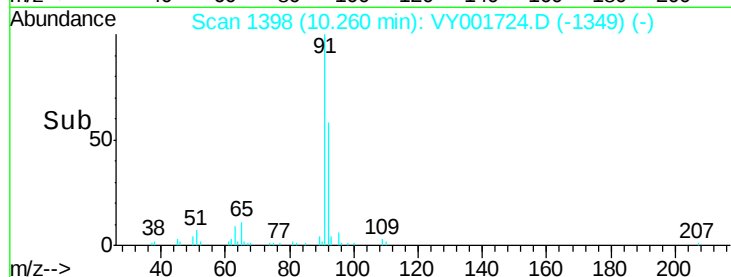
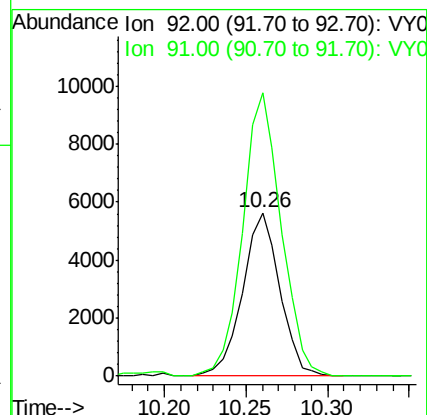
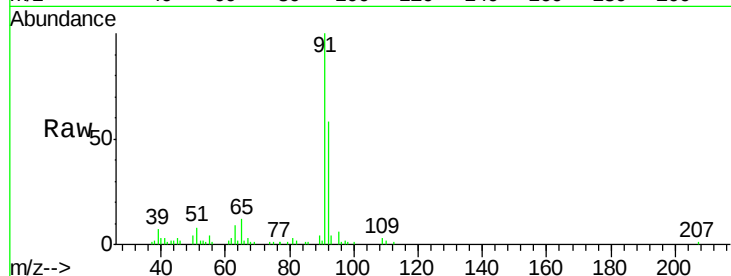
B-2

Tot Ion: 92 Resp: 8954

Ion Ratio Lower Upper

92 100

91 178.2 137.0 205.6



#62

4-Bromofluorobenzene

Concen: 48.279 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

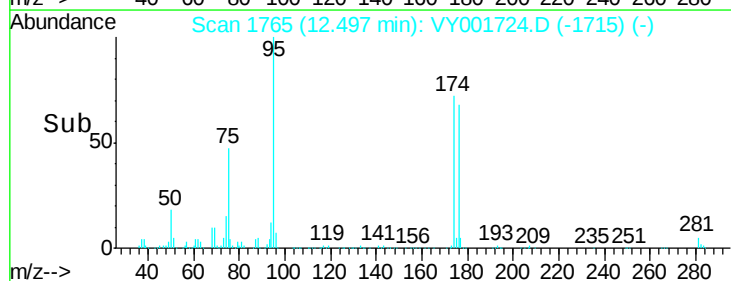
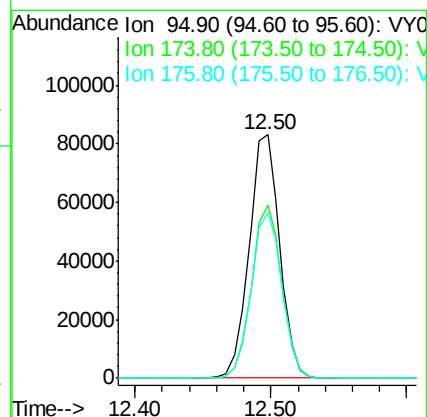
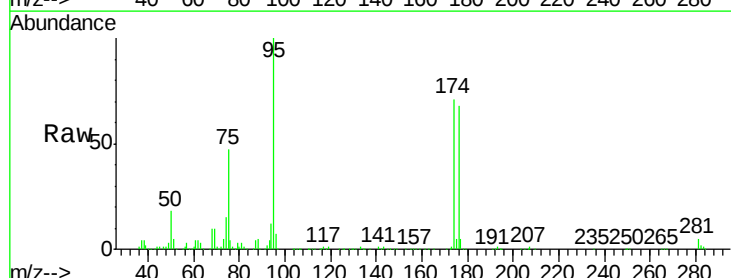
Tgt Ion: 95 Resp: 130586

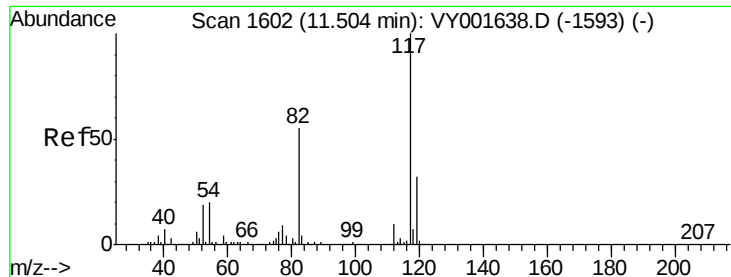
Ion Ratio Lower Upper

95 100

174 70.4 0.0 138.4

176 68.2 0.0 131.8

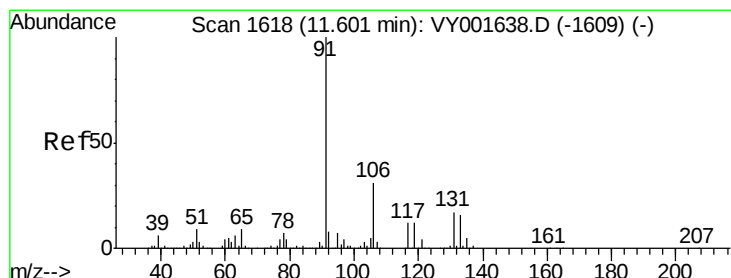
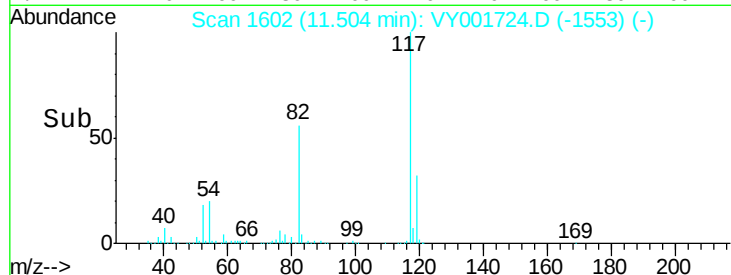
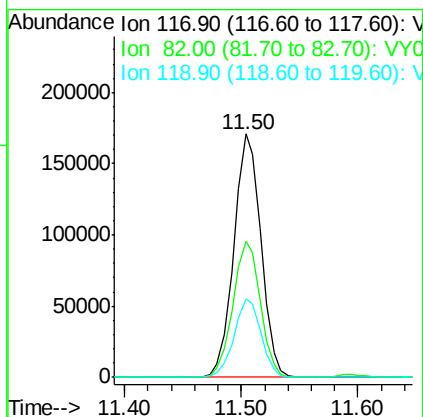
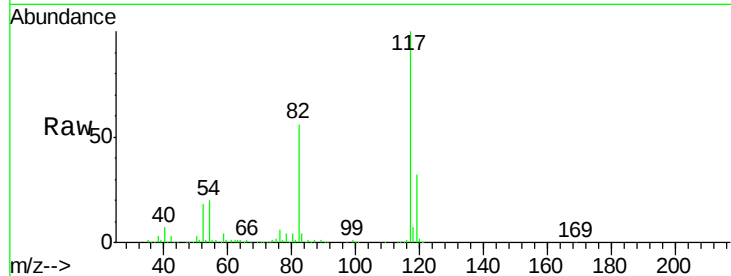




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001724.D
Acq: 20 Feb 2020 15:12

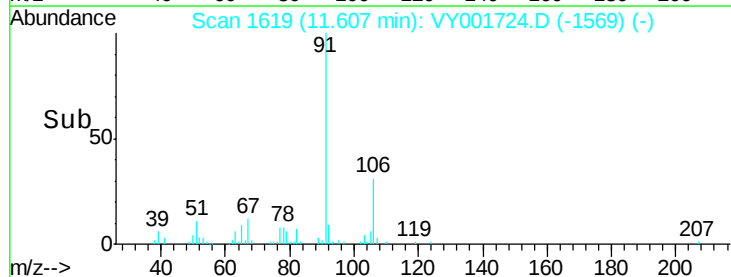
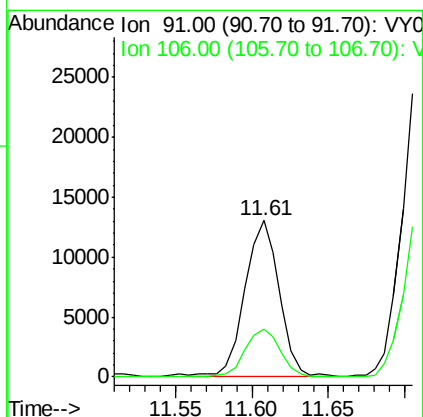
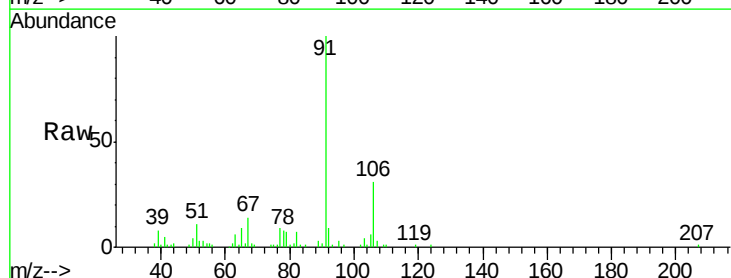
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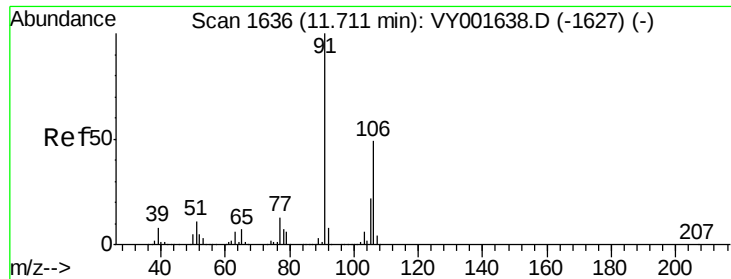
Tot Ion:117 Resp: 276419
Ion Ratio Lower Upper
117 100
82 55.9 45.5 68.3
119 32.2 25.8 38.6



#67
Ethyl Benzene
Concen: 1.994 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001724.D
Acq: 20 Feb 2020 15:12

Tgt Ion: 91 Resp: 20425
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

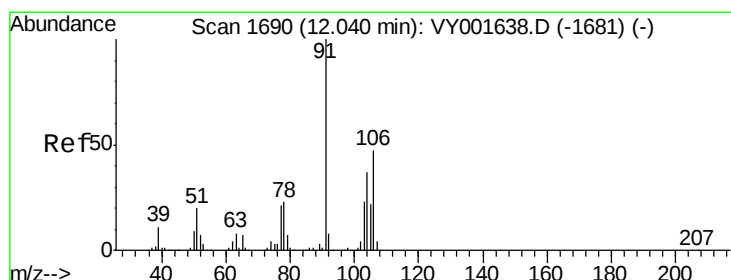
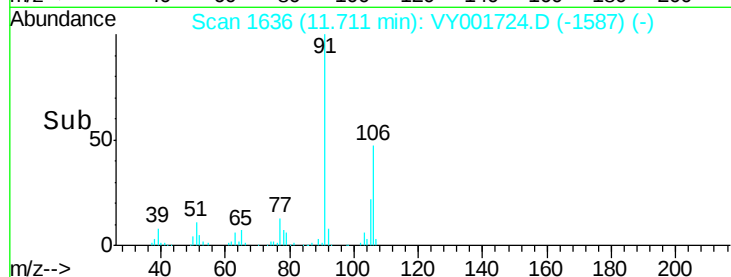
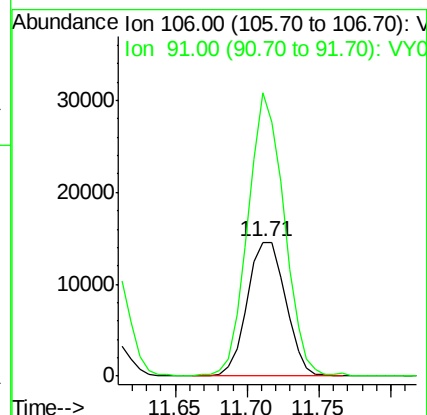
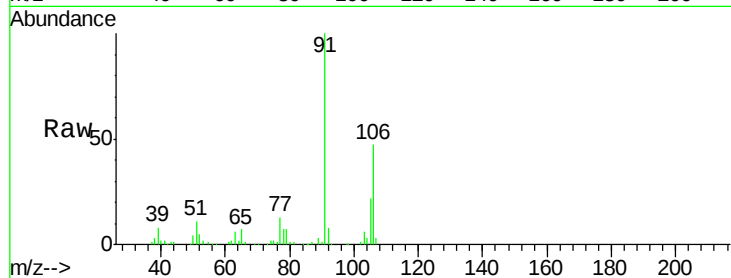




#68
m/p-Xvlenes
Concen: 7.068 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001724.D
Acq: 20 Feb 2020 15:12

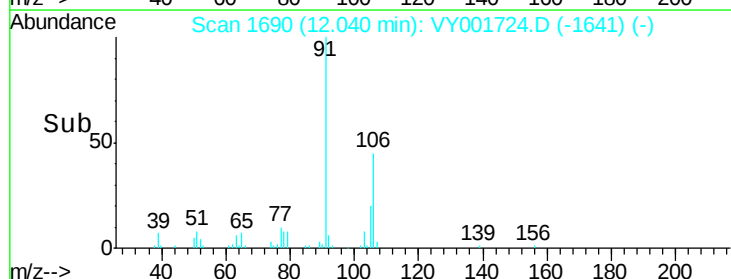
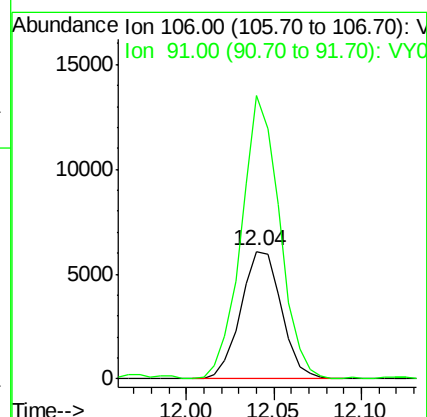
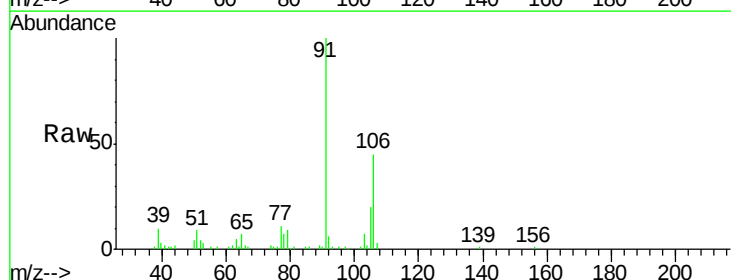
Instrument :
MSVOA_Y
ClientSampled :
B-2

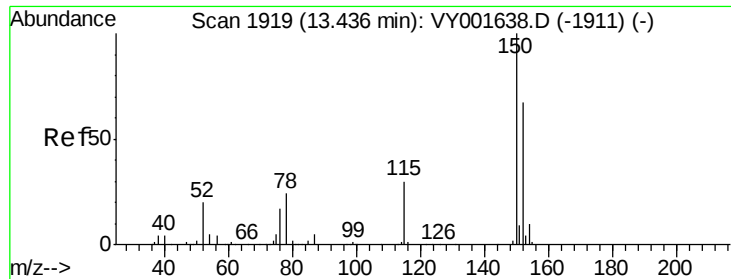
Tot Ion:106 Resp: 27040
Ion Ratio Lower Upper
106 100
91 199.6 163.3 244.9



#69
o-Xylene
Concen: 2.709 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001724.D
Acq: 20 Feb 2020 15:12

Tgt Ion:106 Resp: 9851
Ion Ratio Lower Upper
106 100
91 209.3 108.3 324.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

B-2

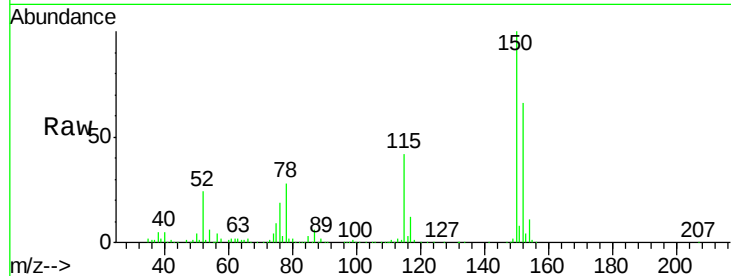
Tot Ion:152 Resp: 122939

Ion Ratio Lower Upper

152 100

115 62.4 31.4 94.2

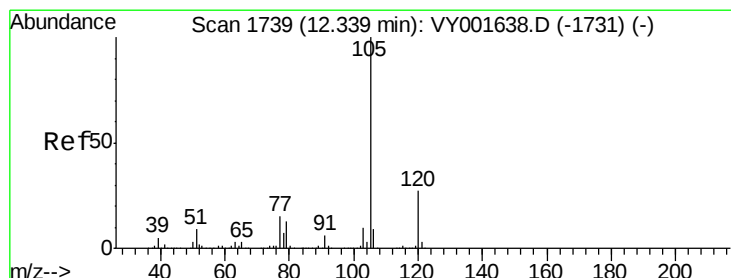
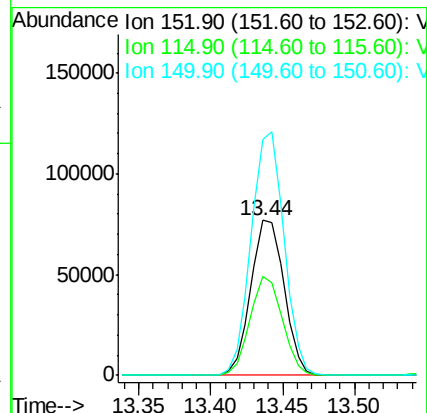
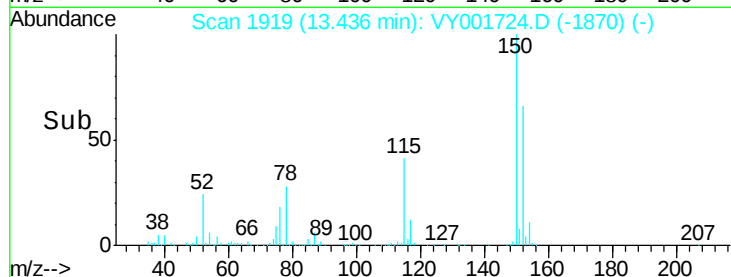
150 154.6 0.0 407.2



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: 1.136 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001724.D

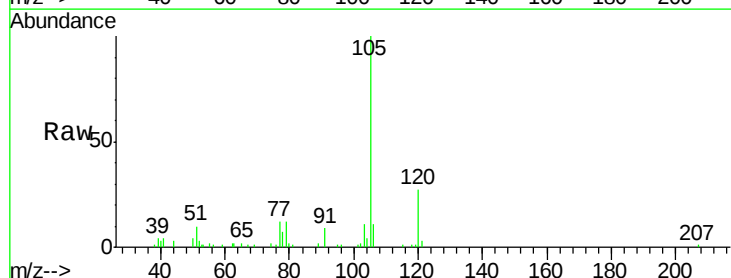
Acq: 20 Feb 2020 15:12

Tgt Ion:105 Resp: 10637

Ion Ratio Lower Upper

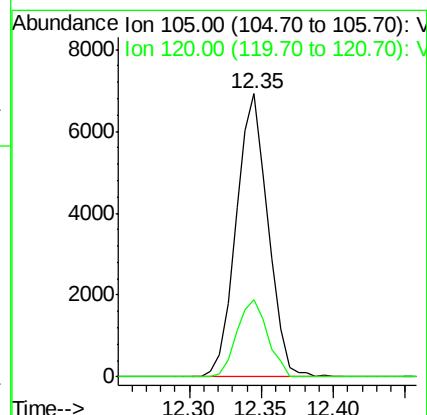
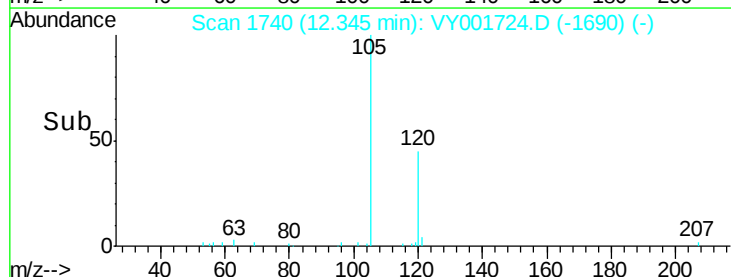
105 100

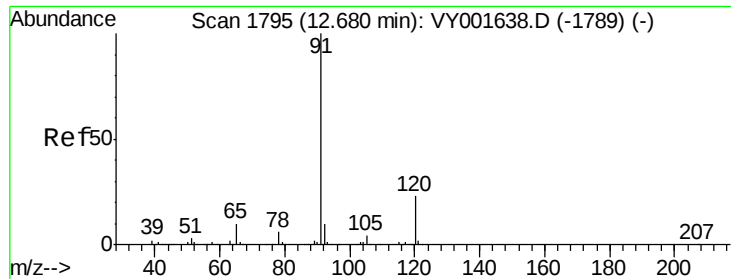
120 26.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.474 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

Instrument :

MSVOA_Y

ClientSampled :

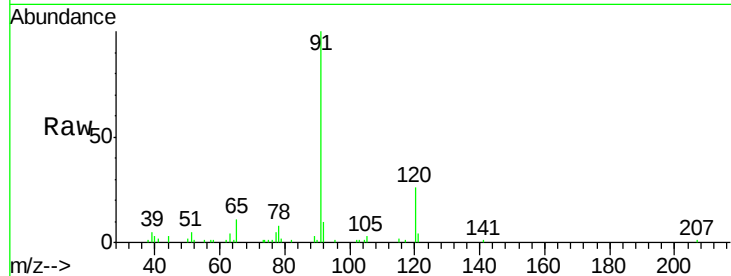
B-2

Tot Ion: 91 Resp: 16819

Ion Ratio Lower Upper

91 100

120 23.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1789) (-)

Ion 120.00 (119.70 to 120.70): VY001638.D (-1789) (-)

12000

10000

8000

6000

4000

2000

0

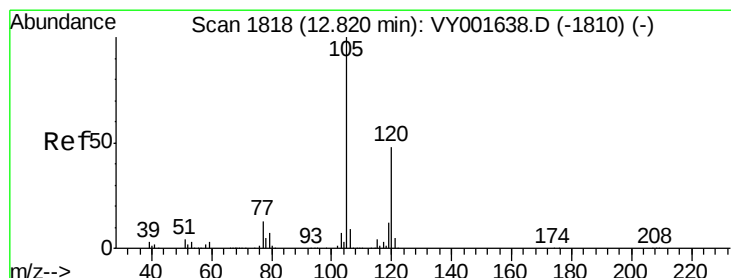
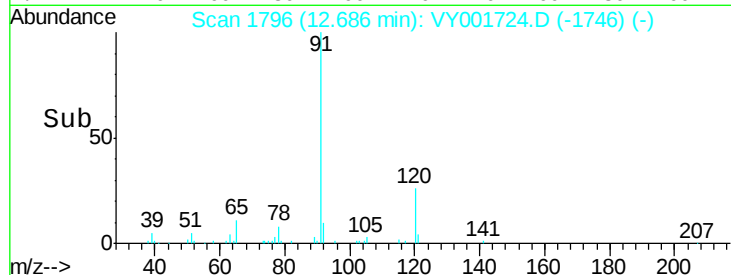
Time-->

12.60

12.65

12.70

12.75



#80

1,3,5-Trimethylbenzene

Concen: 1.311 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001724.D

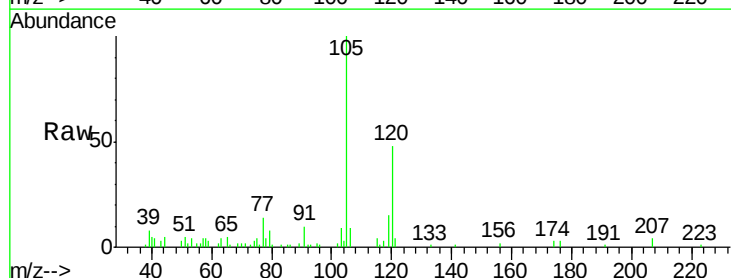
Acq: 20 Feb 2020 15:12

Tgt Ion: 105 Resp: 10167

Ion Ratio Lower Upper

105 100

120 47.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY001638.D (-1810) (-)

10000

8000

6000

4000

2000

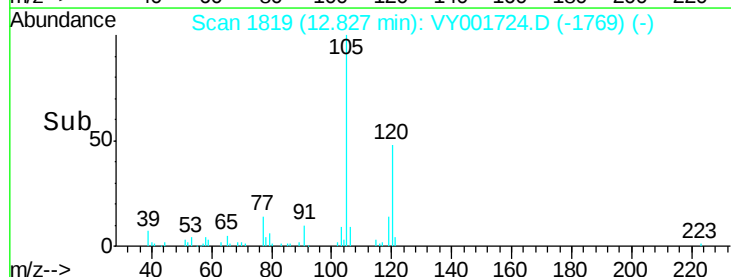
0

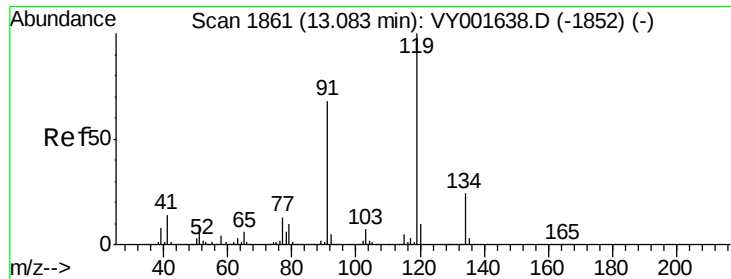
Time-->

12.80

12.85

12.90

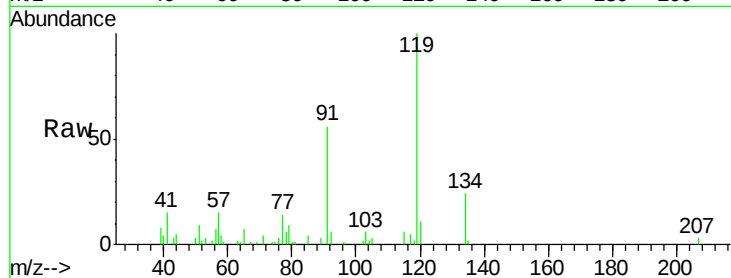




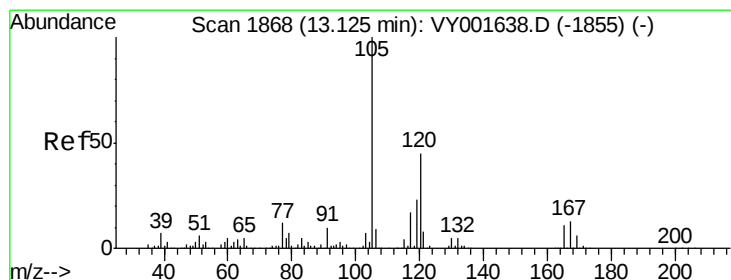
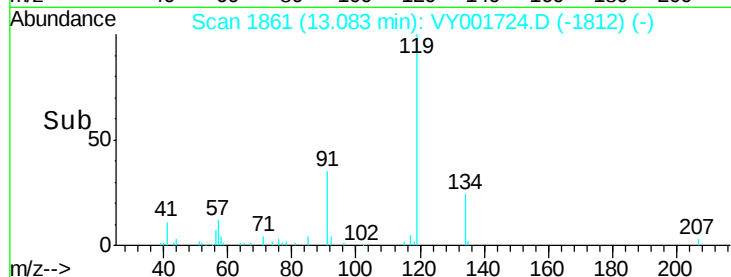
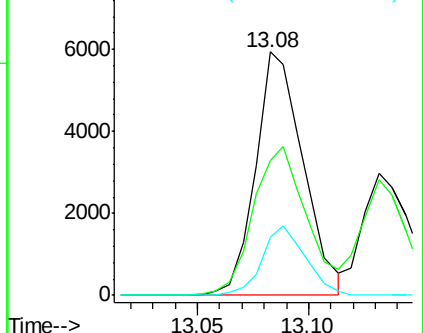
#83
tert-Butylbenzene
Concen: 1.366 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001724.D
Acq: 20 Feb 2020 15:12

Instrument :
MSVOA_Y
ClientSampleId :
B-2

Tot Ion:119 Resp: 8857
Ion Ratio Lower Upper
119 100
91 68.7 33.5 100.5
134 25.8 13.3 39.8

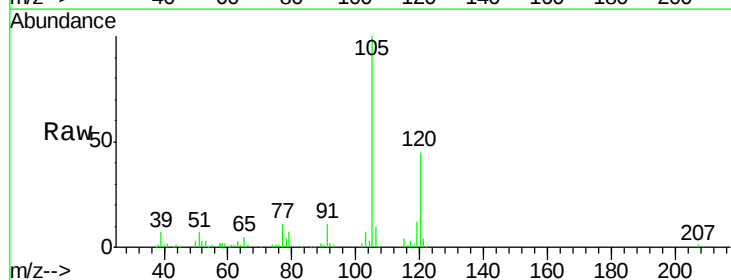


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V

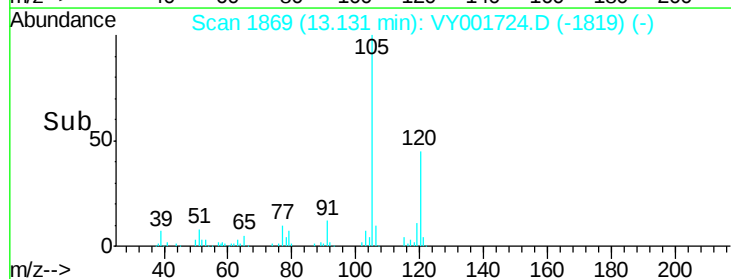
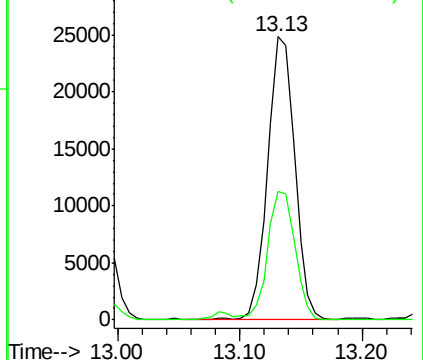


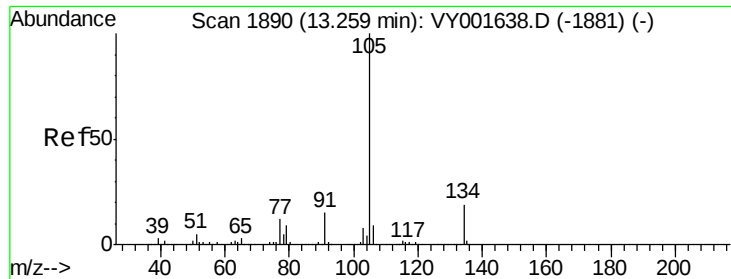
#84
1,2,4-Trimethylbenzene
Concen: 4.988 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001724.D
Acq: 20 Feb 2020 15:12

Tgt Ion:105 Resp: 38556
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.278 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

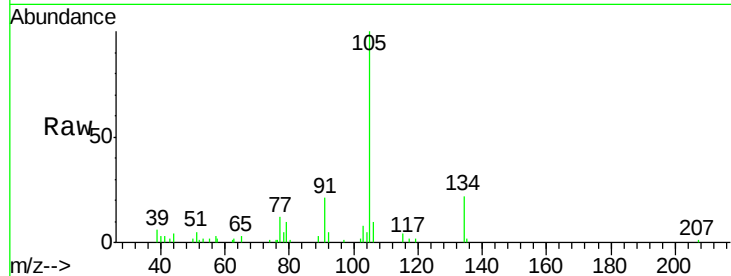
B-2

Tot Ion:105 Resp: 12188

Ion Ratio Lower Upper

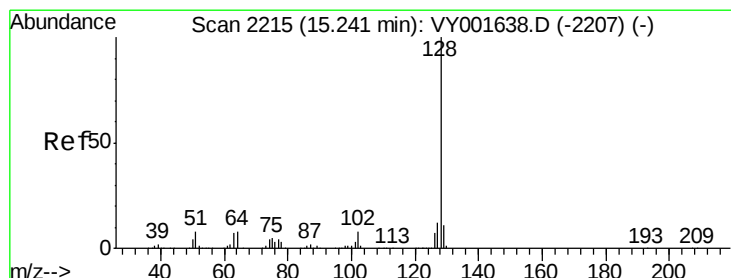
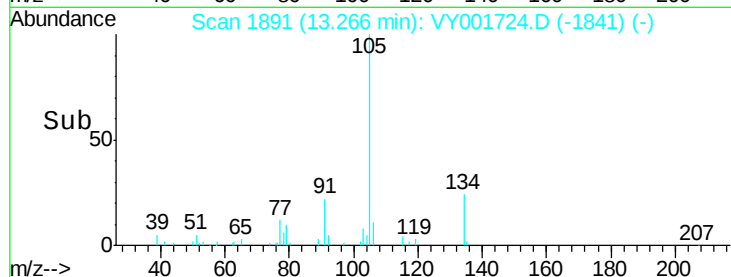
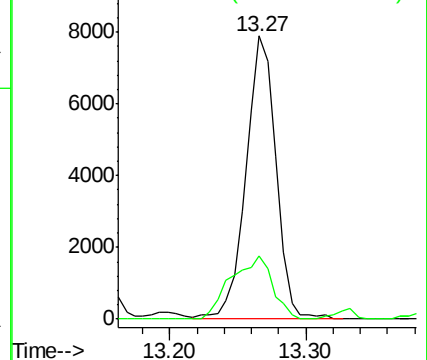
105 100

134 30.8 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 3.113 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001724.D

Acq: 20 Feb 2020 15:12

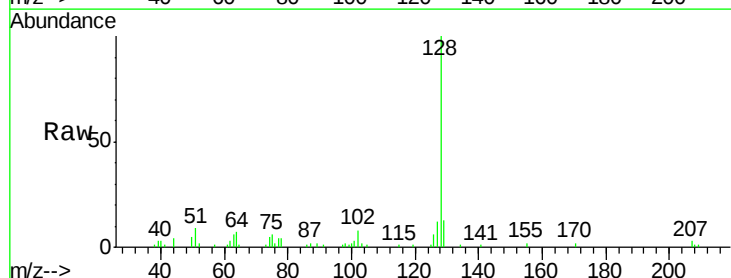
Tgt Ion:128 Resp: 17285

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

129 11.9 8.6 13.0



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

