

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001506.D
 Acq On : 05 Feb 2020 14:58
 Operator : SY/MD
 Sample : L1368-01RE
 Misc : 6.86G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-020320RE

Quant Time: Feb 06 07:22:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	169884	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	316031	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	269958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	94986	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	103665	60.61	ug/l	0.01
Spiked Amount			Recovery	=	121.22%	
35) Dibromofluoromethane	7.75	113	95007	52.13	ug/l	0.01
Spiked Amount			Recovery	=	104.26%	
50) Toluene-d8	10.20	98	371930	53.94	ug/l	0.01
Spiked Amount			Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.49	95	121652	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	

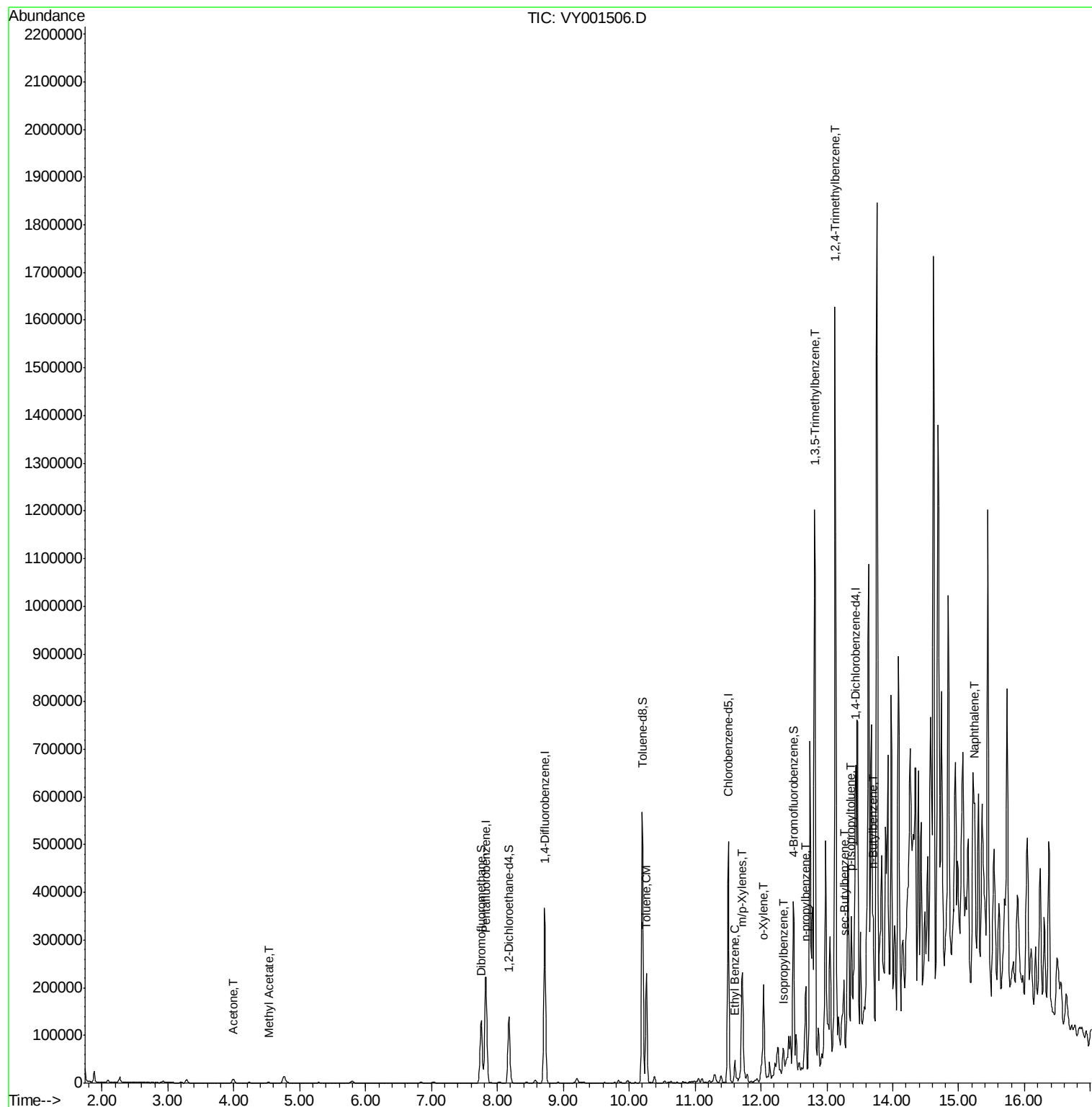
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.99	43	14902	30.119	ug/l	99
18) Methyl Acetate	4.52	43	3321	3.145	ug/l #	78
52) Toluene	10.26	92	96718	18.485	ug/l	98
67) Ethyl Benzene	11.61	91	30475	3.110	ug/l	96
68) m/p-Xylenes	11.71	106	51420	13.976	ug/l	100
69) o-Xylene	12.04	106	48521	13.987	ug/l	94
73) Isopropylbenzene	12.34	105	28860	3.984	ug/l	99
78) n-propylbenzene	12.68	91	135726	15.650	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	238257	39.052	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	876036	145.077	ug/l	99
85) sec-Butylbenzene	13.27	105	72336	9.976	ug/l	87
86) p-Isopropyltoluene	13.38	119	49603	7.763	ug/l	99
89) n-Butylbenzene	13.70	91	105298	16.703	ug/l #	76
95) Naphthalene	15.24	128	231522	53.689	ug/l	97

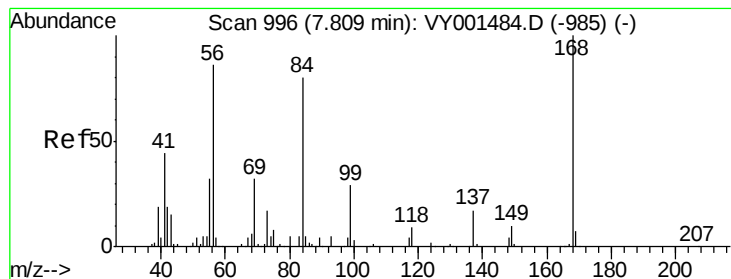
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001506.D

Acq: 05 Feb 2020 14:58

Instrument :

MSVOA_Y

ClientSampleId :

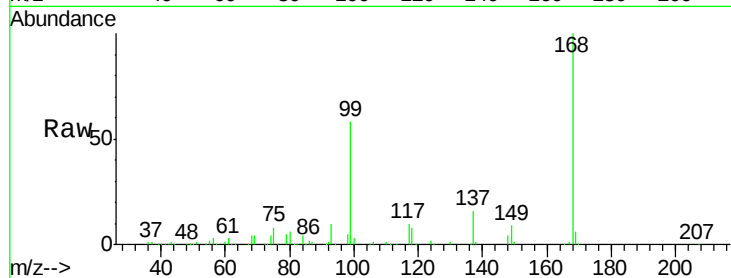
EO-01-020320RE

Tot Ion:168 Resp: 169884

Ion Ratio Lower Upper

168 100

99 57.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001506.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001506.D (-947) (-)

7.83

80000

60000

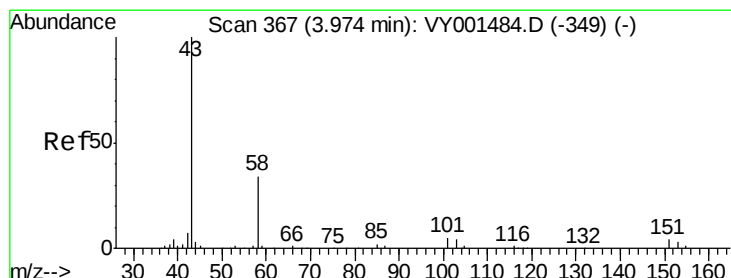
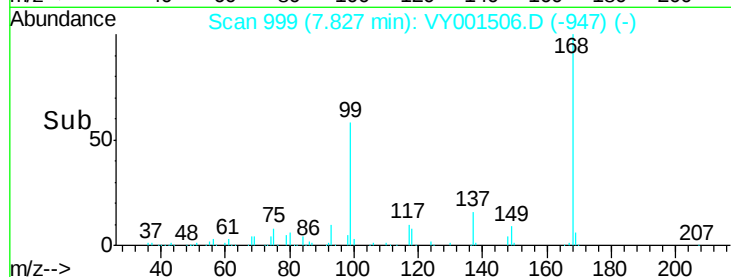
40000

20000

0

Time-->

7.70 7.80 7.90



#16

Acetone

Concen: 30.119 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001506.D

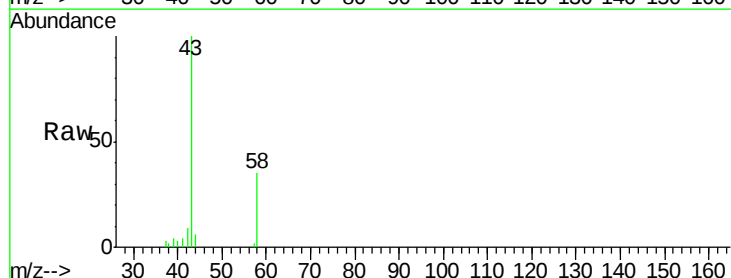
Acq: 05 Feb 2020 14:58

Tgt Ion: 43 Resp: 14902

Ion Ratio Lower Upper

43 100

58 34.7 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001506.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001506.D (-318) (-)

3.99

5000

4000

3000

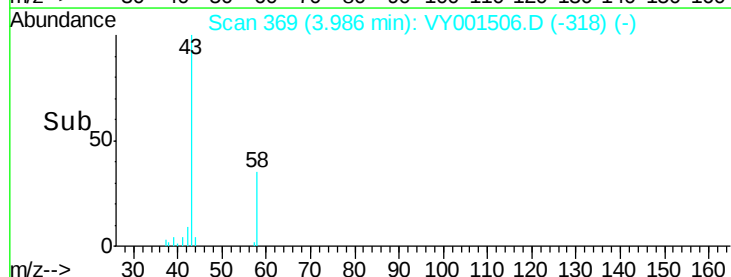
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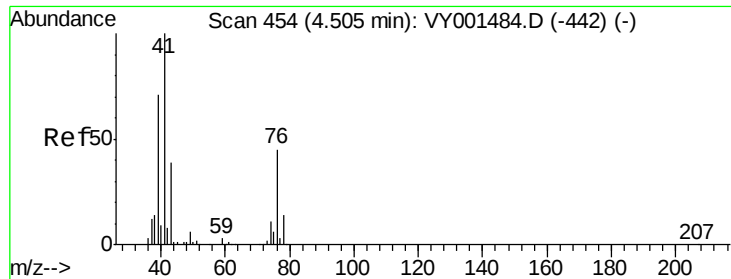
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0

Time-->

3.90 4.00 4.10

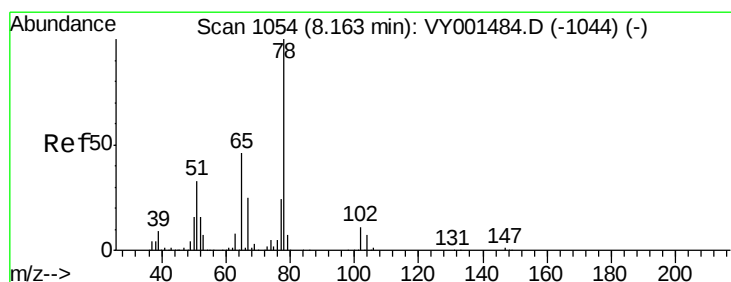
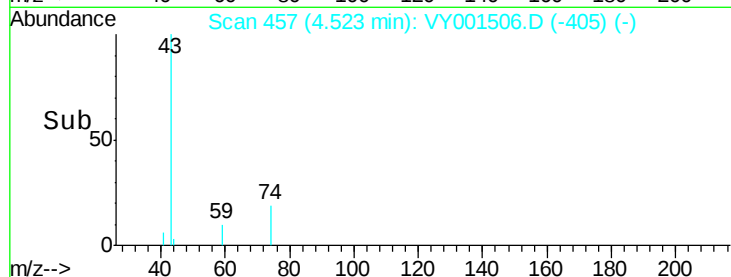
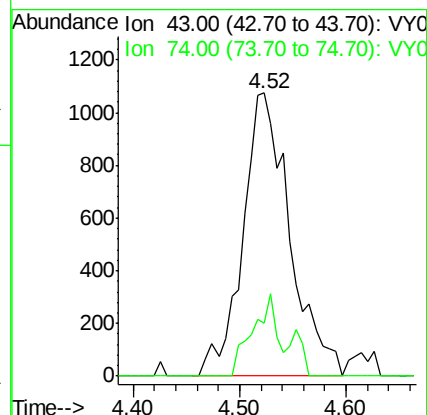
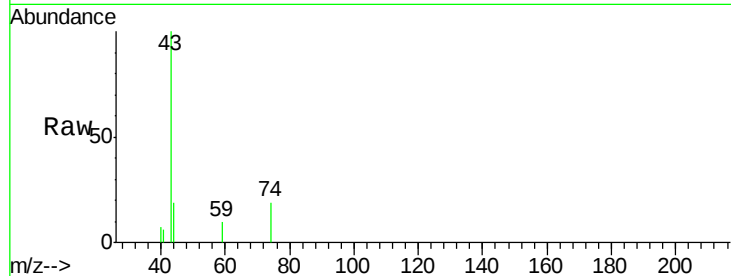




#18
Methyl Acetate
Concen: 3.145 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.02 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

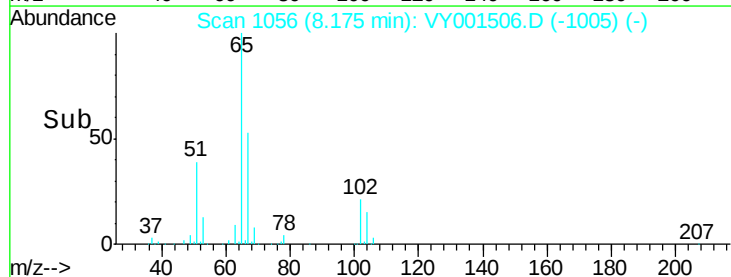
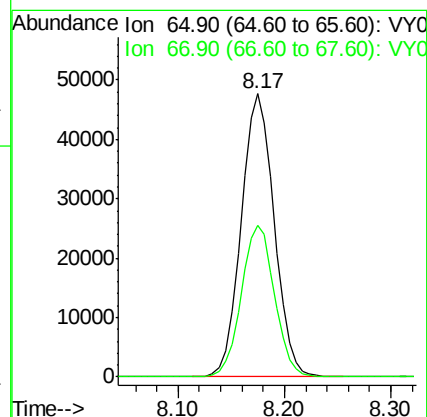
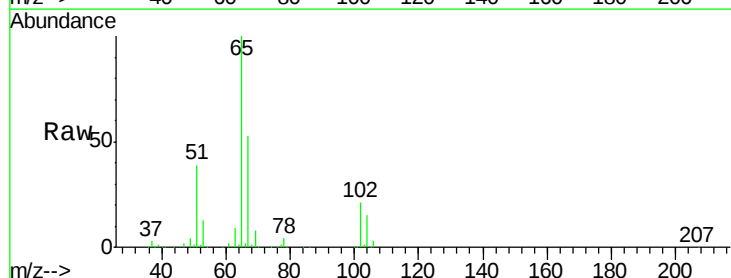
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-020320RE

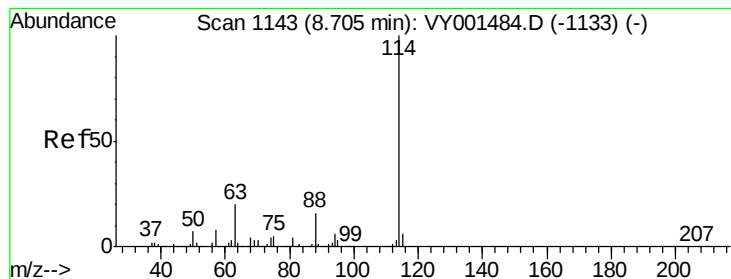
Tot Ion: 43 Resp: 3321
Ion Ratio Lower Upper
43 100
74 15.1 21.0 31.6#



#33
1,2-Dichloroethane-d4
Concen: 60.606 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

Tgt Ion: 65 Resp: 103665
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001506.D

Acq: 05 Feb 2020 14:58

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-020320RE

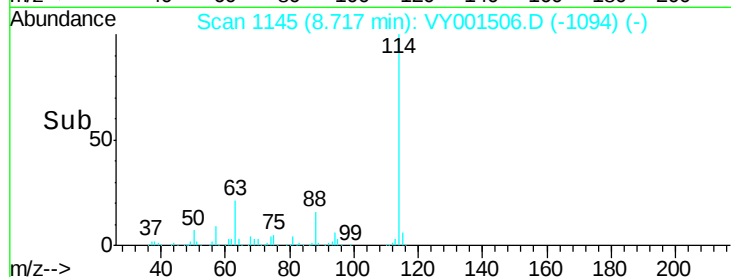
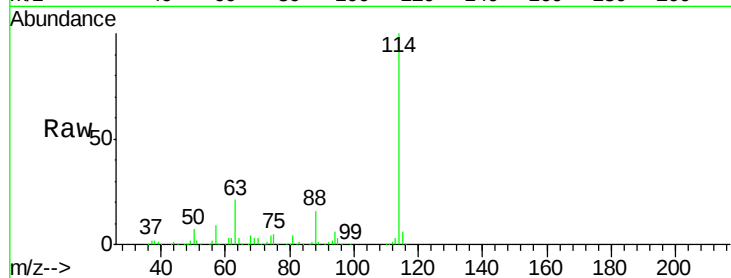
Tot Ion:114 Resp: 316031

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.8

88 16.1 0.0 32.6



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

Time-->

8.60 8.70 8.80

150000

100000

50000

0

8.72

8.60 8.70 8.80

Time-->

8.60 8.70 8.80

150000

100000

50000

0

8.60 8.70 8.80

Time-->

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8.60 8.70 8.80

Time-->

8.60 8.70 8.80

150000

100000

50000

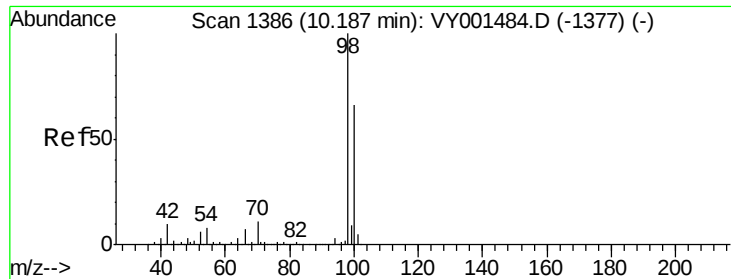
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8.60 8.70 8.80

Time-->

8.60 8.70 8.80

150000



#50

Toluene-d8

Concen: 53.943 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001506.D

Acq: 05 Feb 2020 14:58

Instrument :

MSVOA_Y

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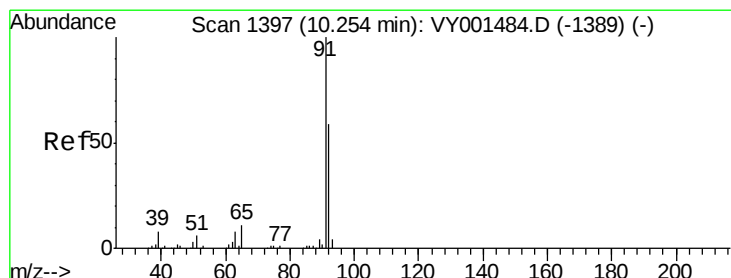
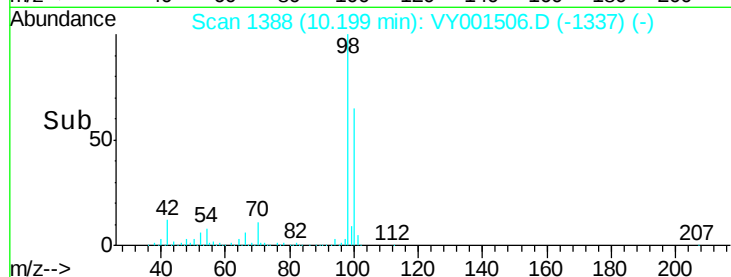
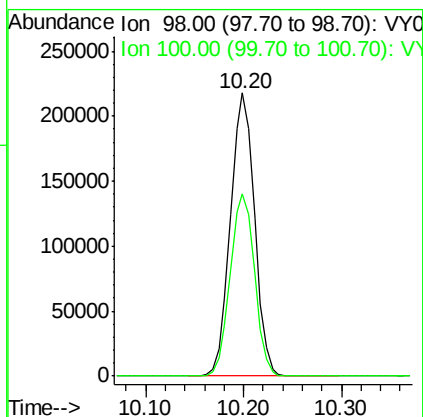
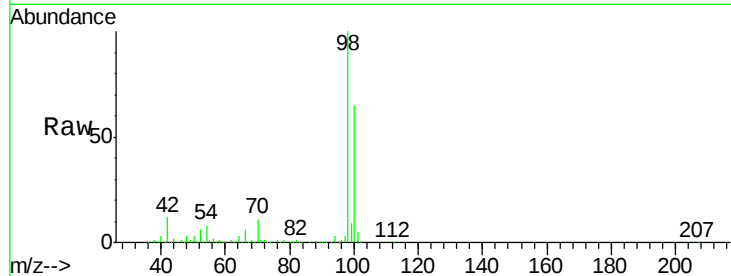
EO-01-020320RE

Tot Ion: 98 Resp: 371930

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.6



#52

Toluene

Concen: 18.485 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001506.D

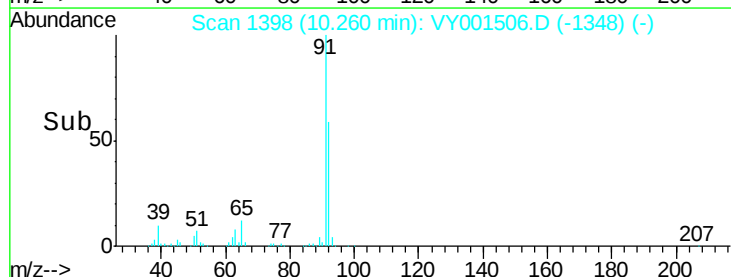
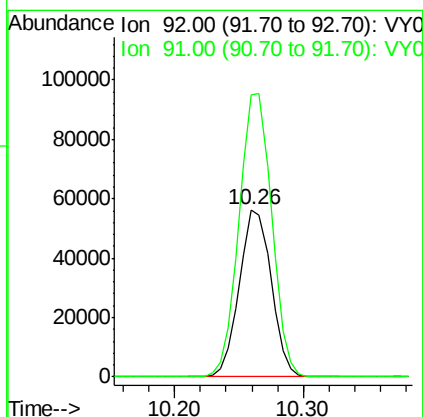
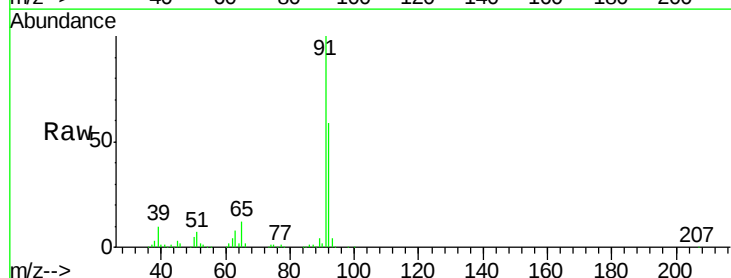
Acq: 05 Feb 2020 14:58

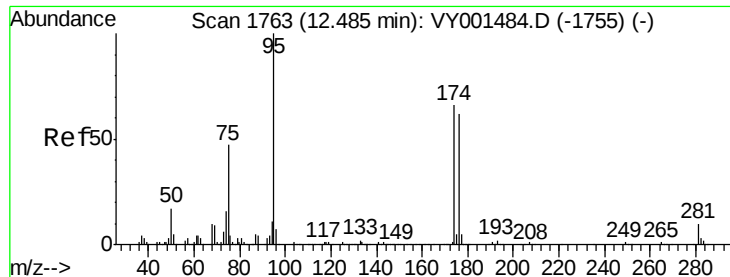
Tgt Ion: 92 Resp: 96718

Ion Ratio Lower Upper

92 100

91 172.9 136.6 204.8

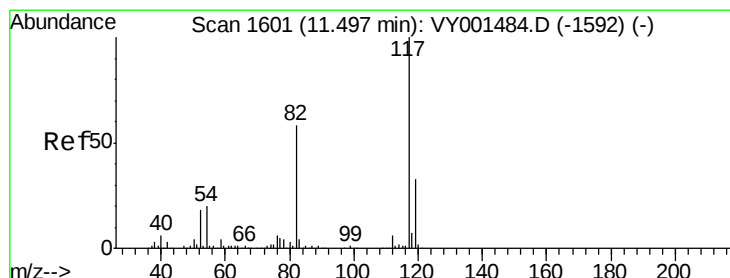
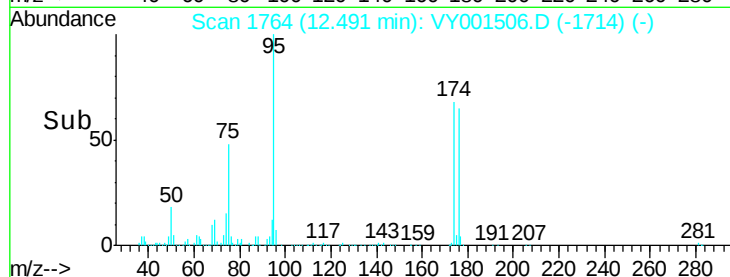
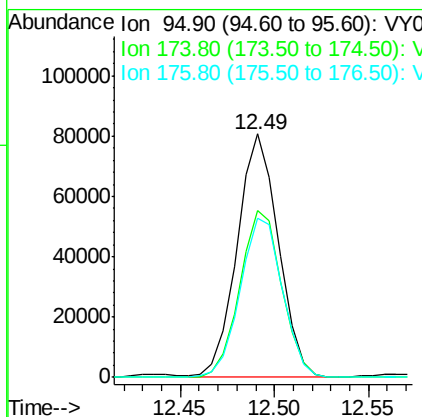
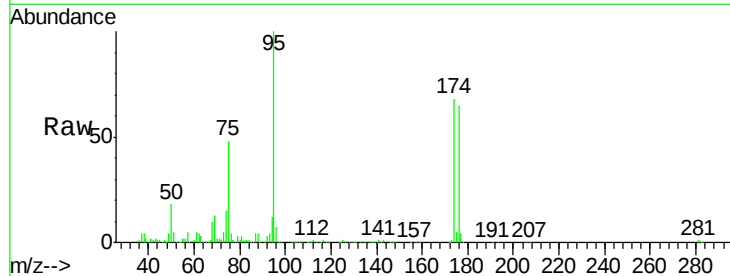




#62
4-Bromofluorobenzene
Concen: 44.787 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

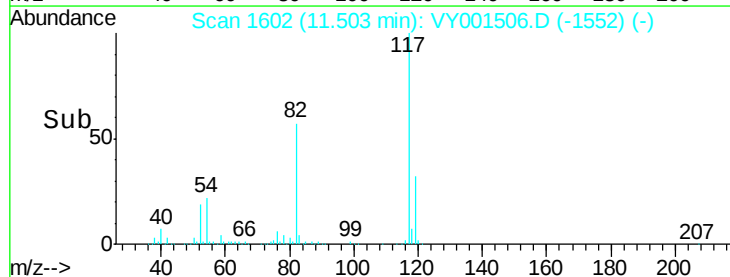
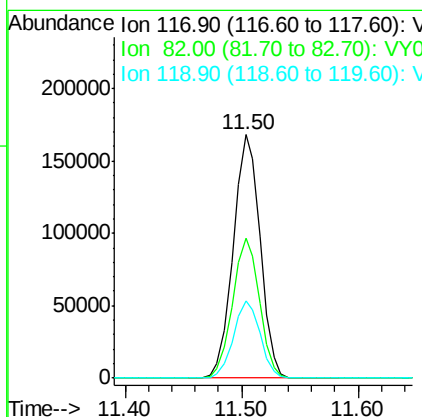
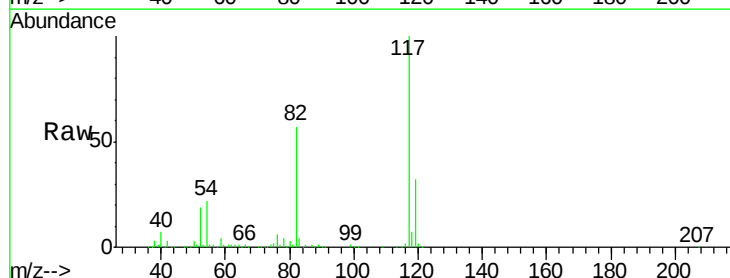
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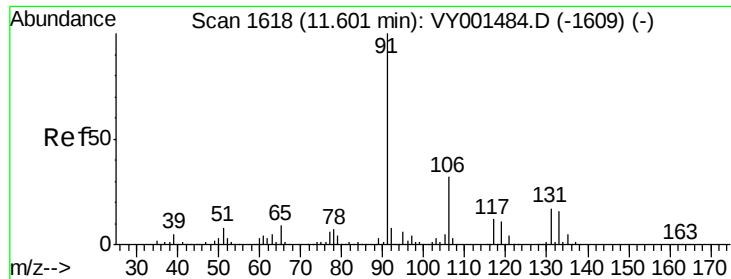
Tot Ion: 95 Resp: 121652
Ion Ratio Lower Upper
95 100
174 70.0 0.0 141.4
176 67.5 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

Tgt Ion: 117 Resp: 269958
Ion Ratio Lower Upper
117 100
82 57.2 46.1 69.1
119 31.5 26.1 39.1

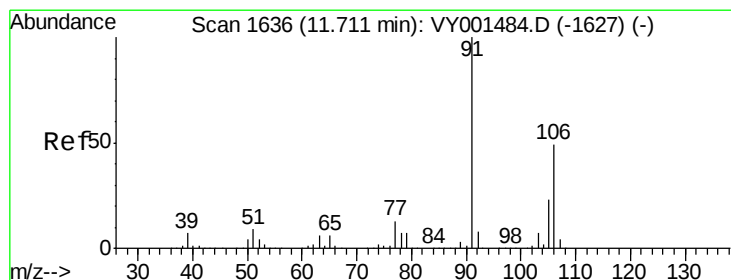
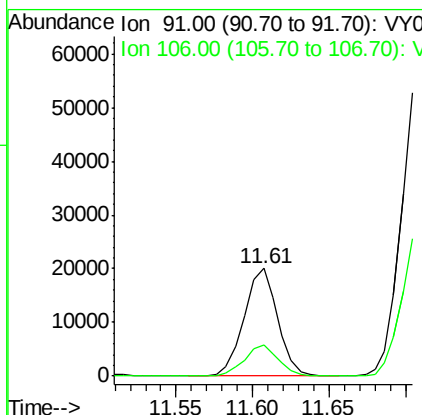
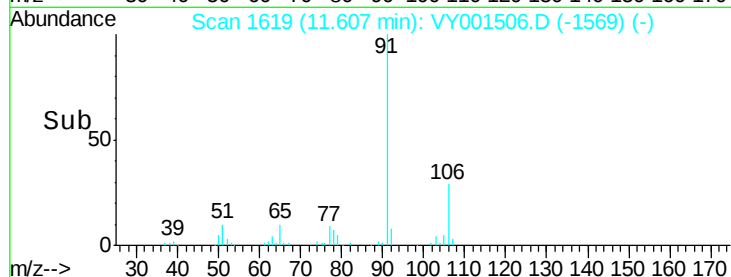
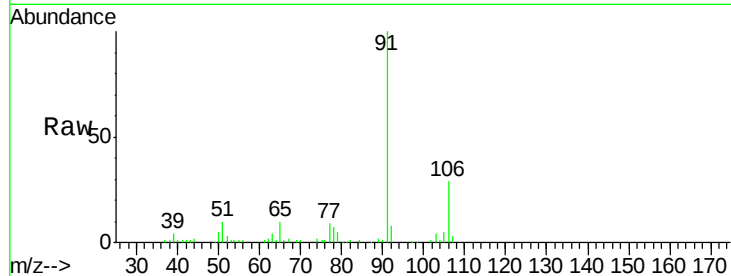




#67
Ethyl Benzene
Concen: 3.110 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

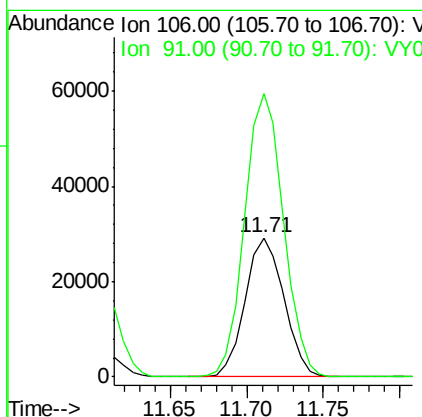
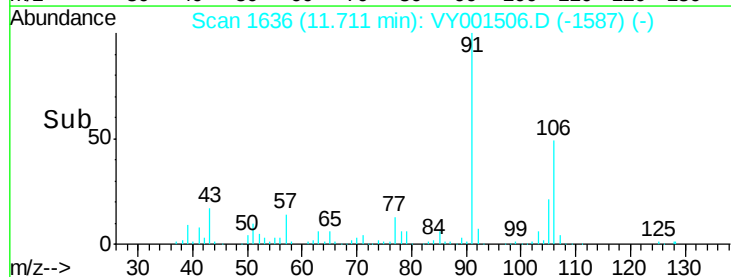
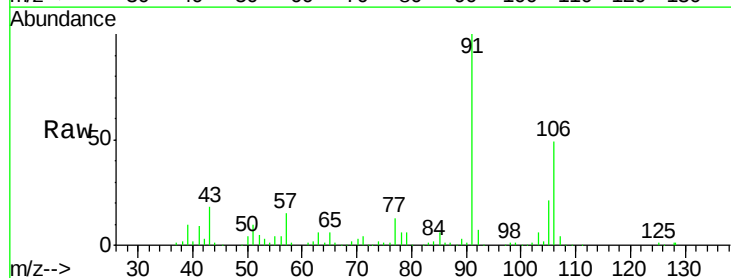
Instrument :
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ClientSampleId :
EO-01-020320RE

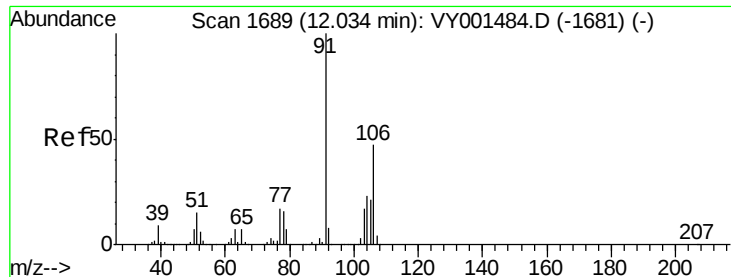
Tot Ion: 91 Resp: 30475
Ion Ratio Lower Upper
91 100
106 29.3 25.3 37.9



#68
m/p-Xylenes
Concen: 13.976 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

Tgt Ion: 106 Resp: 51420
Ion Ratio Lower Upper
106 100
91 204.3 163.6 245.4

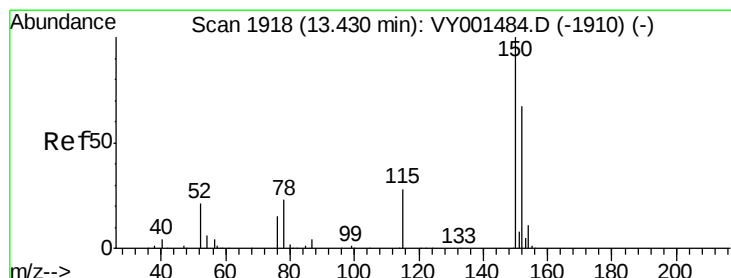
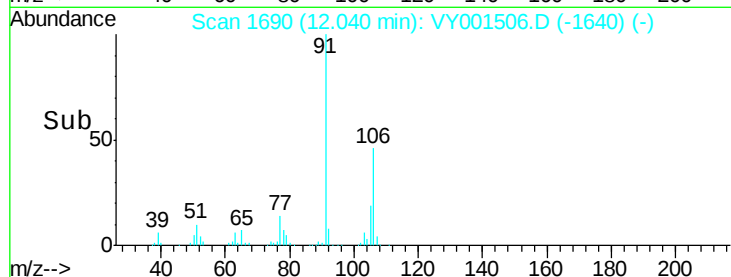
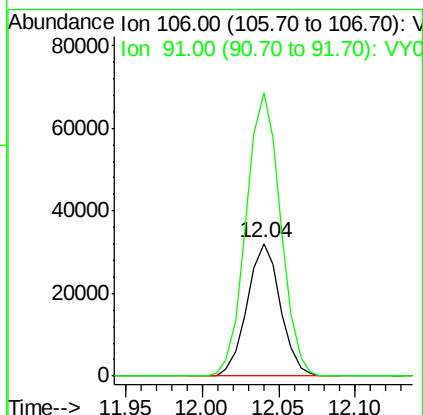
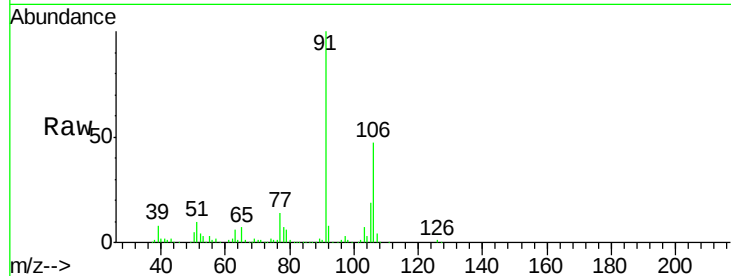




#69
o-Xylene
Concen: 13.987 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

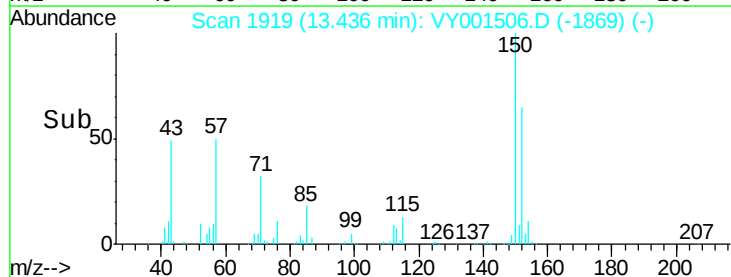
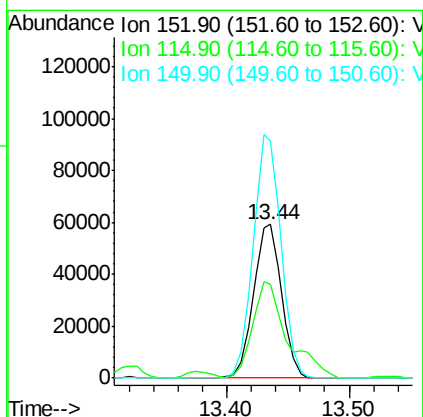
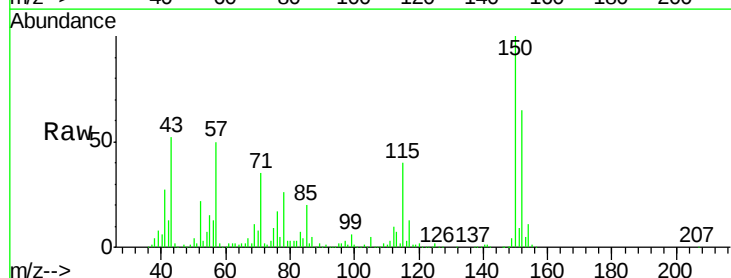
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-020320RE

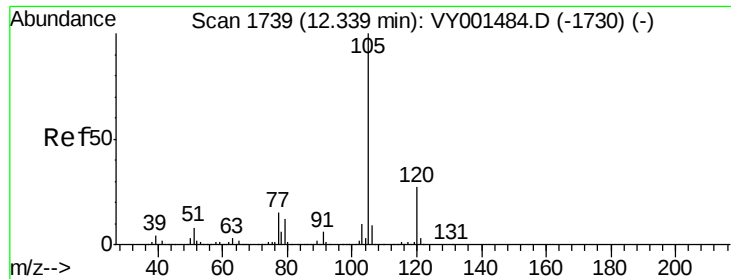
Tot Ion:106 Resp: 48521
Ion Ratio Lower Upper
106 100
91 221.4 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

Tgt Ion:152 Resp: 94986
Ion Ratio Lower Upper
152 100
115 76.8 31.4 94.3
150 156.3 0.0 346.8





#73

Isopropylbenzene

Concen: 3.984 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY001506.D

Acq: 05 Feb 2020 14:58

Instrument :

MSVOA_Y

ClientSampleId :

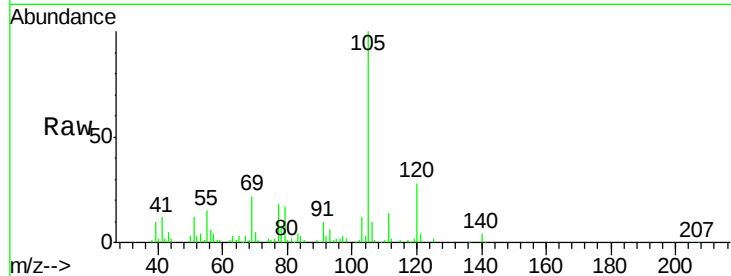
EO-01-020320RE

Tot Ion:105 Resp: 28860

Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

15000

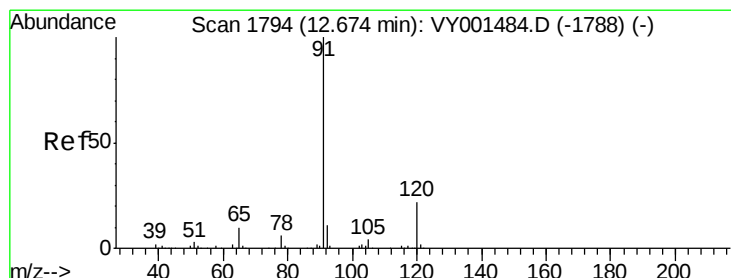
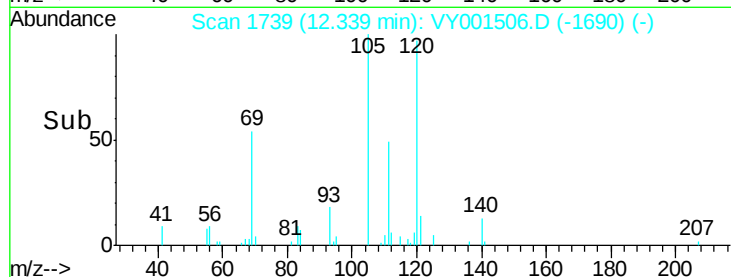
10000

5000

0

12.30 12.35 12.40

Time-->



#78

n-propylbenzene

Concen: 15.650 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001506.D

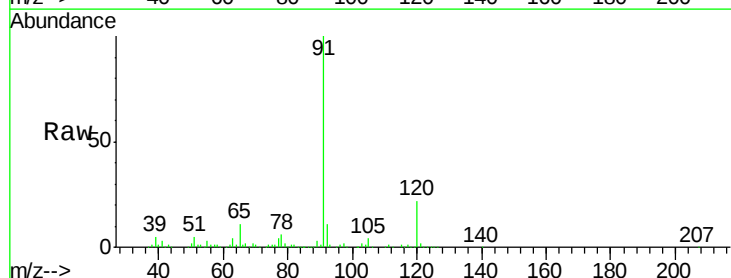
Acq: 05 Feb 2020 14:58

Tgt Ion: 91 Resp: 135726

Ion Ratio Lower Upper

91 100

120 22.4 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

12.68

100000

80000

60000

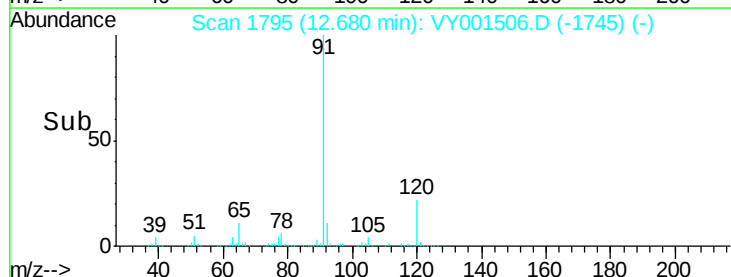
40000

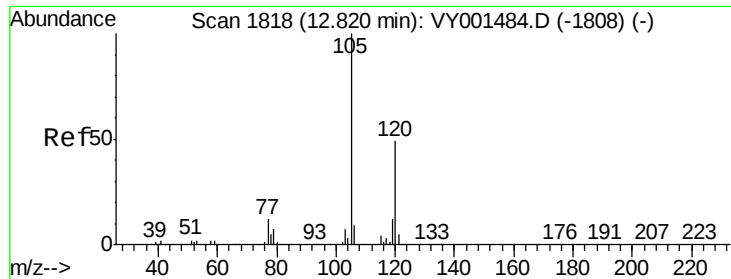
20000

0

12.60 12.65 12.70

Time-->

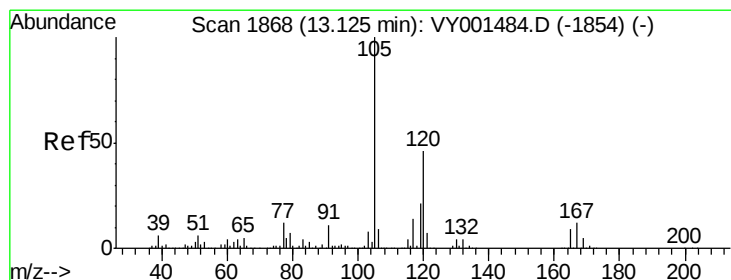
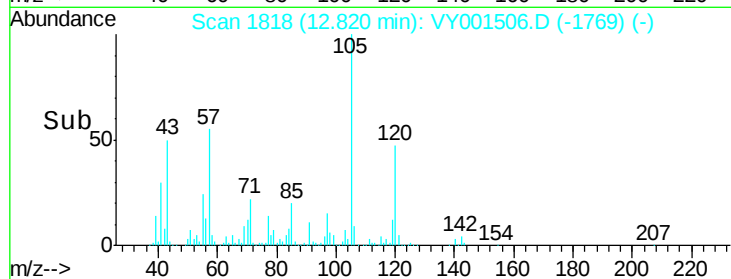
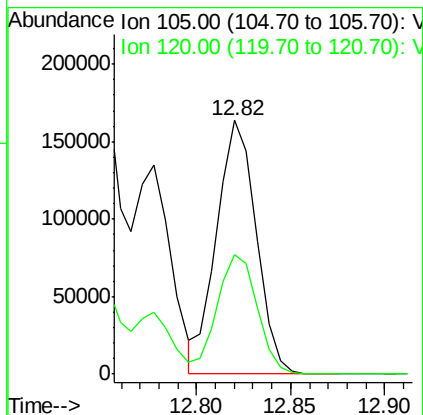
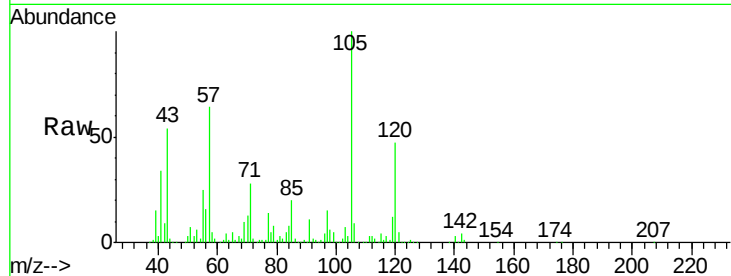




#80
 1,3,5-Trimethylbenzene
 Concen: 39.052 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY001506.D
 Acq: 05 Feb 2020 14:58

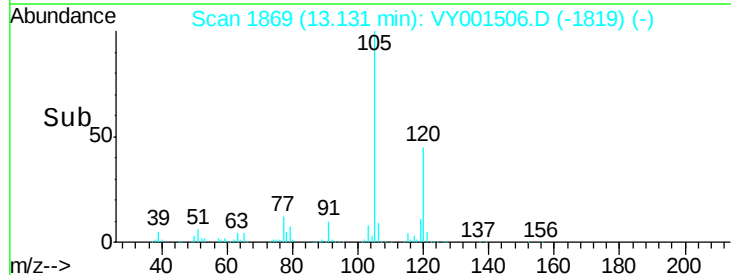
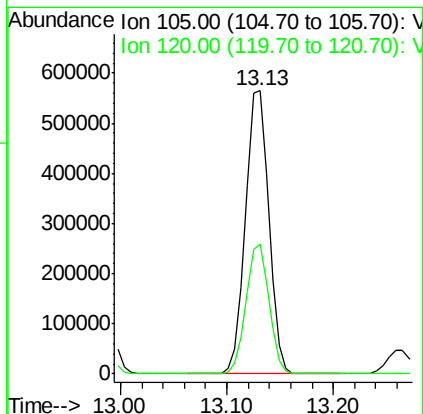
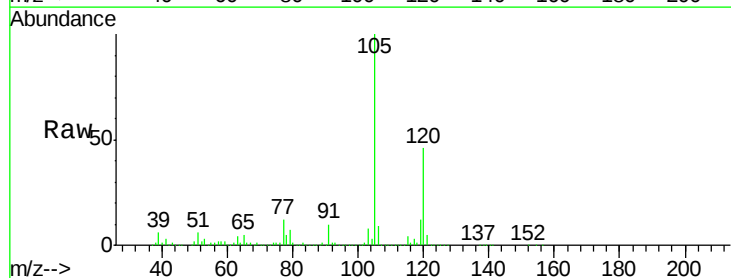
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-020320RE

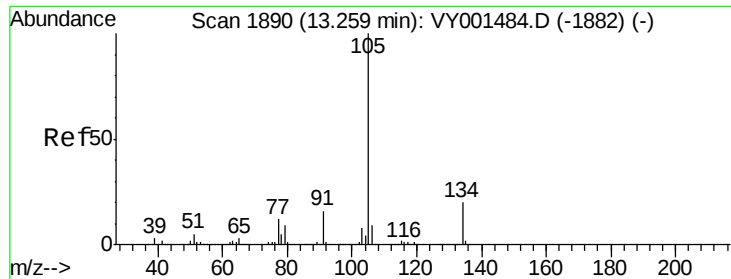
Tot Ion:105 Resp: 238257
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.2



#84
 1,2,4-Trimethylbenzene
 Concen: 145.077 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001506.D
 Acq: 05 Feb 2020 14:58

Tgt Ion:105 Resp: 876036
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.0





#85

sec-Butylbenzene

Concen: 9.976 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001506.D

Acq: 05 Feb 2020 14:58

Instrument :

MSVOA_Y

ClientSampled :

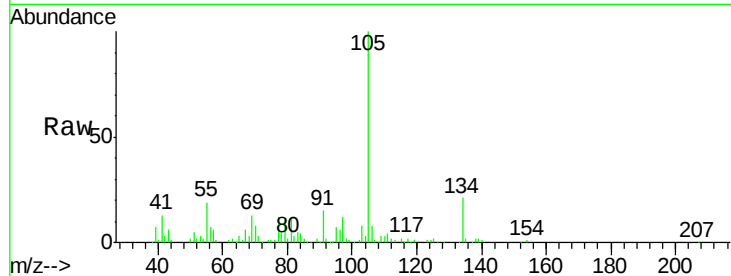
EO-01-020320RE

Tot Ion:105 Resp: 72336

Ion Ratio Lower Upper

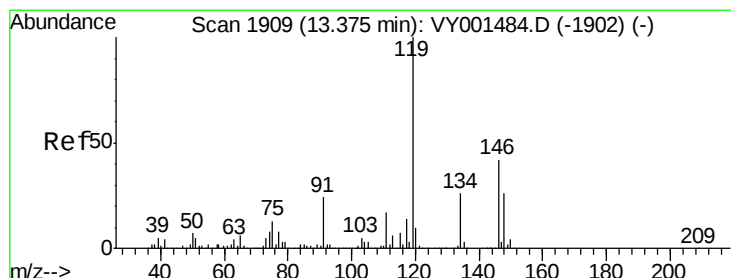
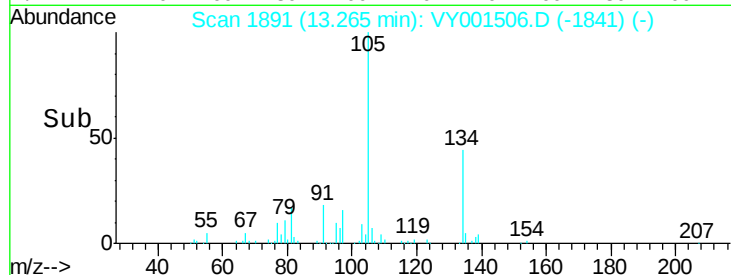
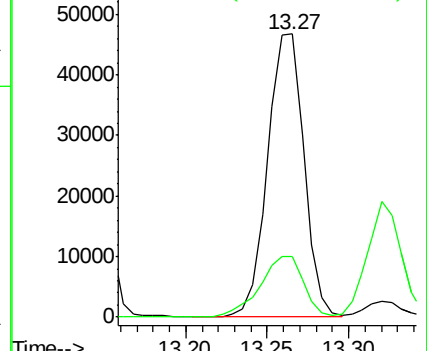
105 100

134 26.0 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 7.763 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001506.D

Acq: 05 Feb 2020 14:58

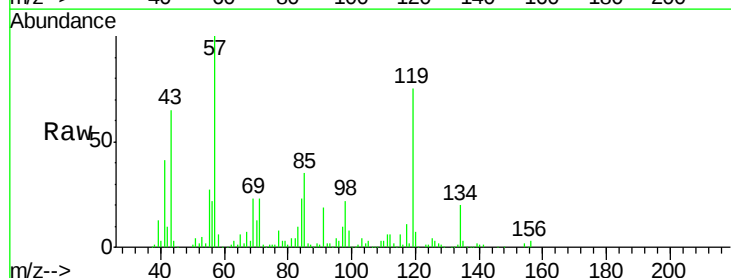
Tgt Ion:119 Resp: 49603

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.8

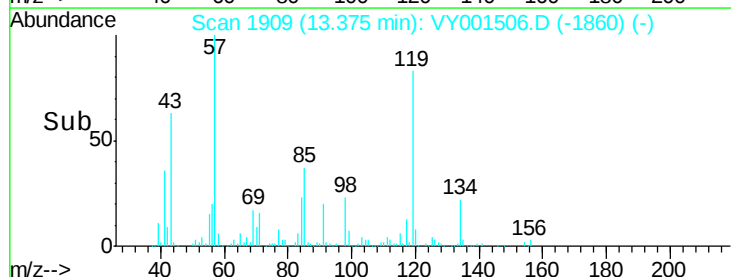
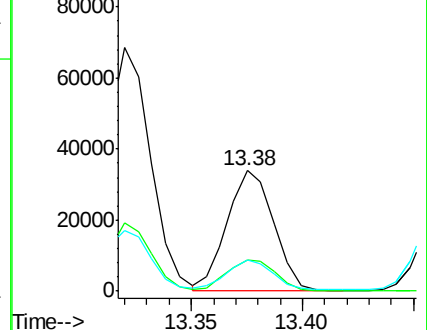
91 24.3 12.2 36.6

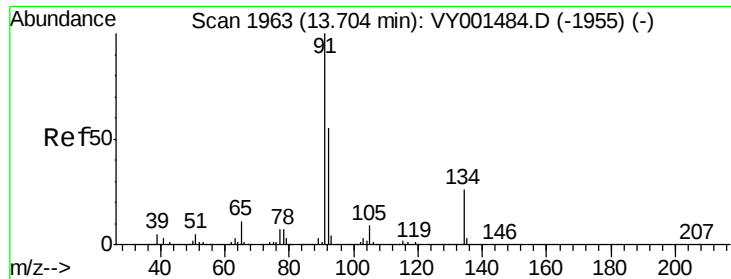


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

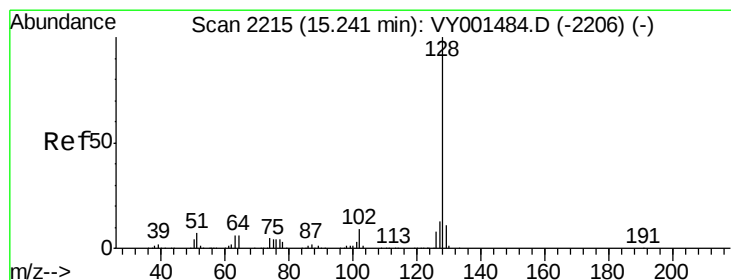
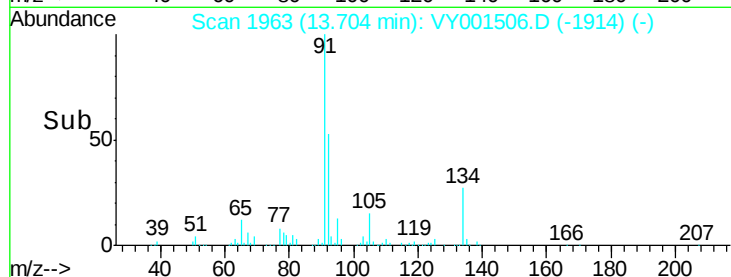
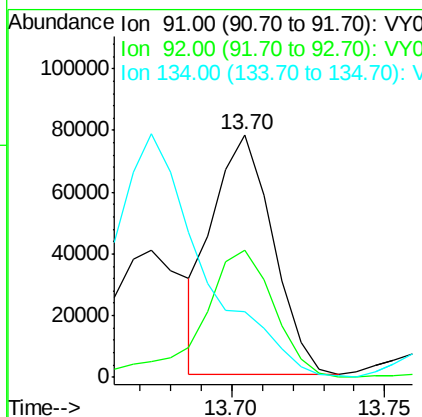
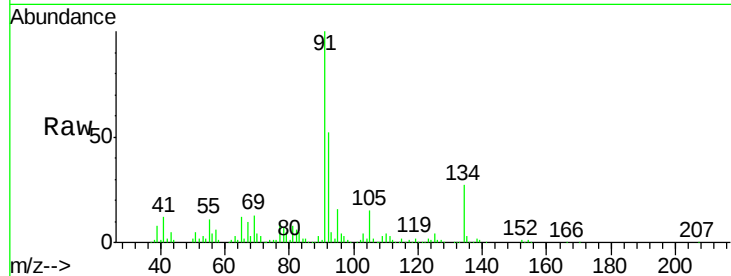




#89
n-Butylbenzene
Concen: 16.703 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-020320RE

Tot Ion: 91 Resp: 105298
Ion Ratio Lower Upper
91 100
92 62.9 27.3 81.9
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 53.689 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY001506.D
Acq: 05 Feb 2020 14:58

Tgt Ion: 128 Resp: 231522
Ion Ratio Lower Upper
128 100
127 14.1 10.1 15.1
129 12.1 8.9 13.3

