

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001125.D
 Acq On : 30 Dec 2019 15:02
 Operator : SY/MD
 Sample : K6462-05
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 K500-5

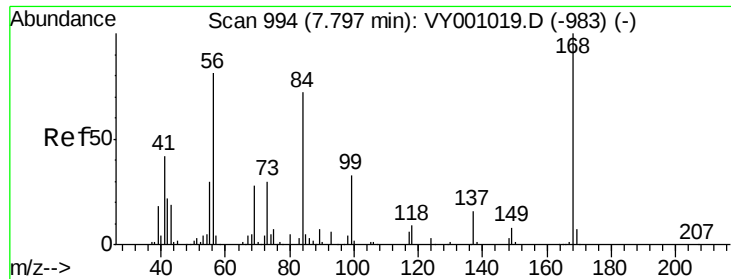
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Quant Time: Dec 31 06:38:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	69192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	109129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	86098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	41025	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	28071	41.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.26%	
35) Dibromofluoromethane	7.73	113	30169	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	10.18	98	168757	67.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.40%	
62) 4-Bromofluorobenzene	12.47	95	80025	87.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.32%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.19	83	177847	128.640	ug/l	92
52) Toluene	10.25	92	21948	11.354	ug/l	100
67) Ethyl Benzene	11.59	91	643764	200.405	ug/l	95
68) m/p-Xylenes	11.70	106	3606913	2957.202	ug/l	96
69) o-Xylene	12.03	106	2091967	1823.128	ug/l	97
73) Isopropylbenzene	12.33	105	264472	83.306	ug/l	98
78) n-propylbenzene	12.67	91	764792	197.704	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	3498011	1344.208	ug/l	95
83) tert-Butylbenzene	13.07	119	17899m	8.194	ug/l	
84) 1,2,4-Trimethylbenzene	13.12	105	11004140	4208.088	ug/l	100
85) sec-Butylbenzene	13.25	105	652199	202.523	ug/l	79
86) p-Isopropyltoluene	13.37	119	442918	158.948	ug/l	98
89) n-Butylbenzene	13.70	91	718479	256.273	ug/l #	70
95) Naphthalene	15.23	128	411100	204.736	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001125.D

Acq: 30 Dec 2019 15:02

Instrument :

MSVOA_Y

ClientSampled :

K500-5

Tot Ion:168 Resp: 69192

Ion Ratio Lower Upper

168 100

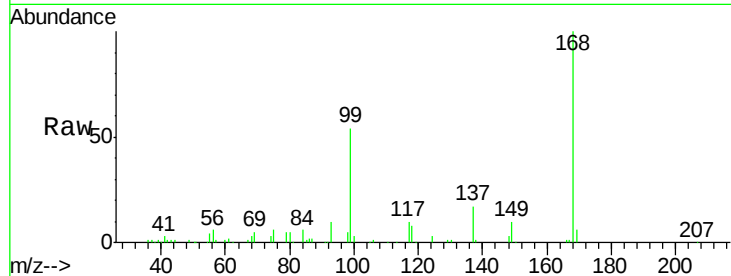
99 53.7 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): VY001125.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001125.D (-945) (-)

7.80

30000

20000

10000

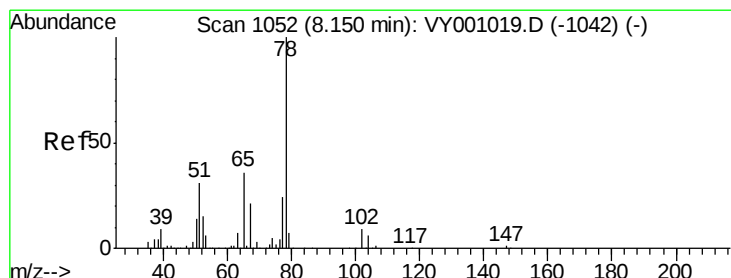
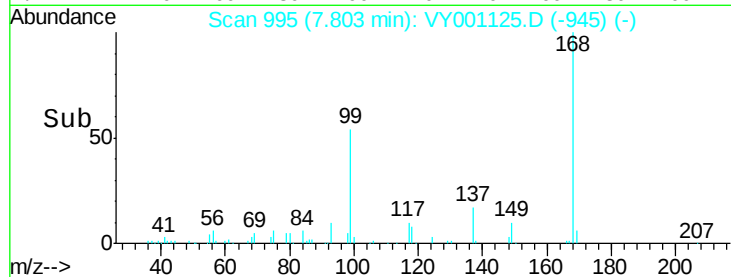
0

Time-->

7.70

7.80

7.90



#33

1,2-Dichloroethane-d4

Concen: 41.134 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001125.D

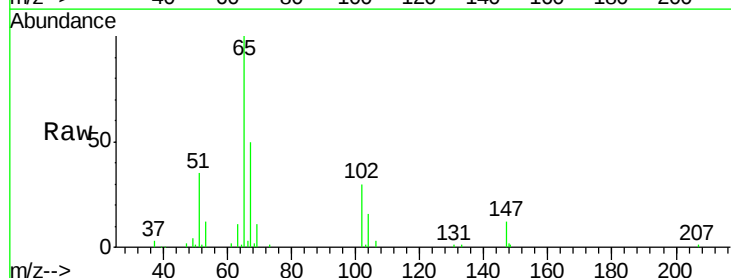
Acq: 30 Dec 2019 15:02

Tgt Ion: 65 Resp: 28071

Ion Ratio Lower Upper

65 100

67 53.2 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY001125.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY001125.D (-1003) (-)

8.15

10000

5000

0

Time-->

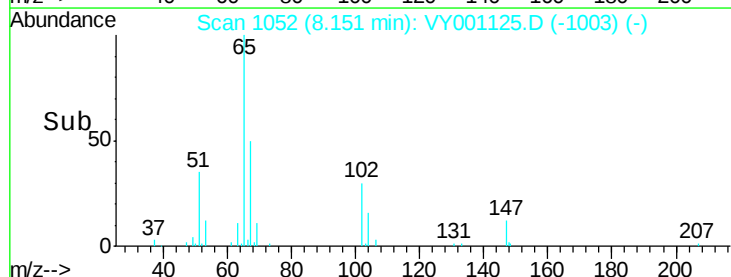
8.05

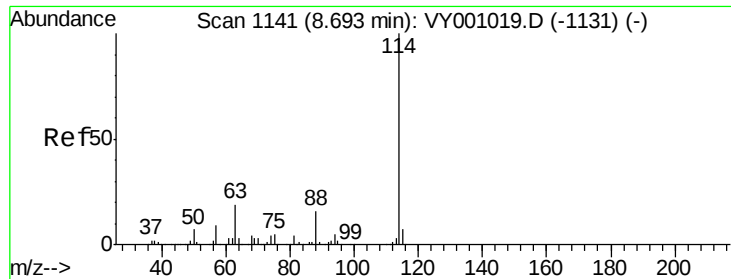
8.10

8.15

8.20

8.25





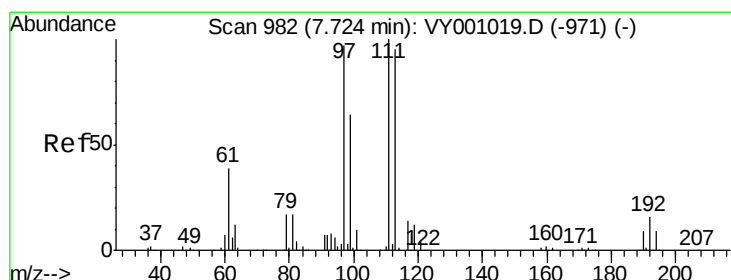
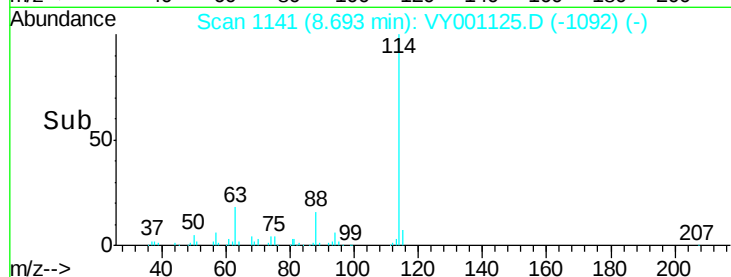
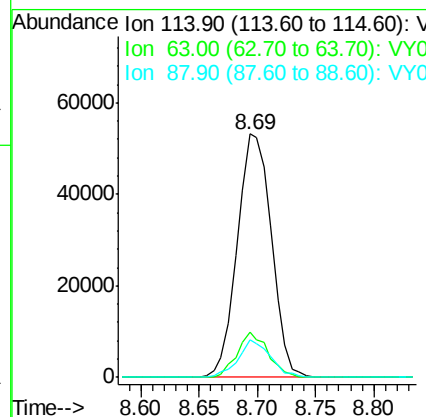
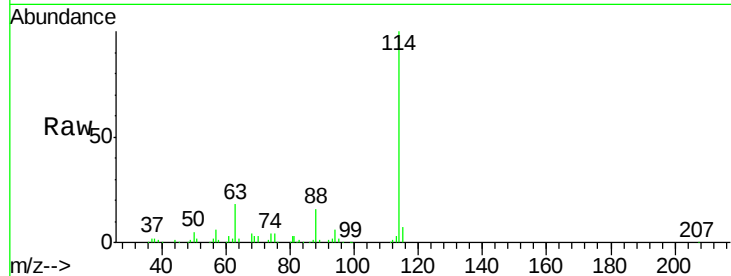
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Instrument :
MSVOA_Y
ClientSampleId :
K500-5

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.4	0.0	37.0
88	15.6	0.0	32.0

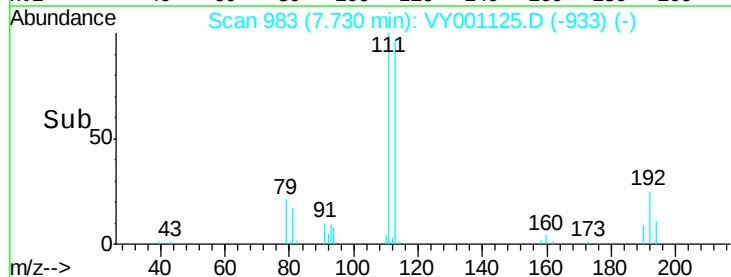
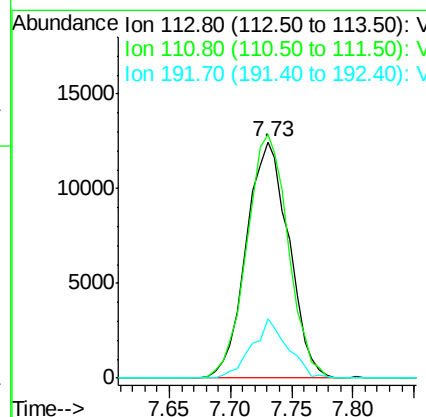
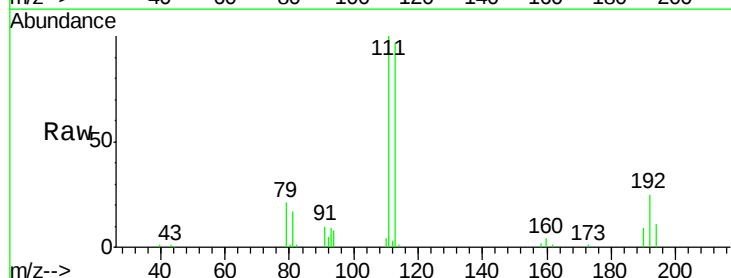
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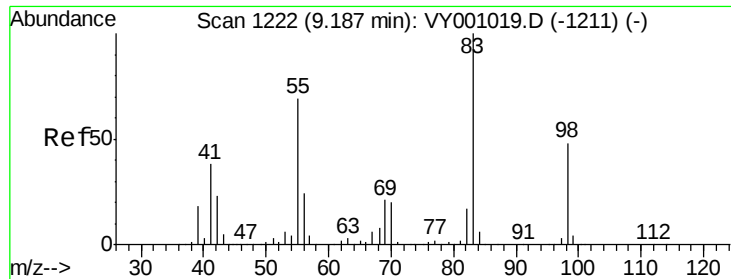
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#35
Dibromofluoromethane
Concen: 46.947 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	100.4	83.0	124.4
192	21.1	14.6	21.8





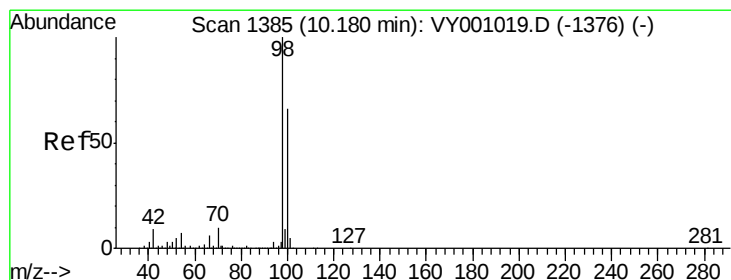
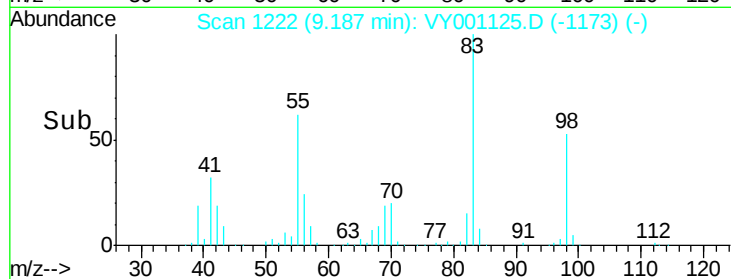
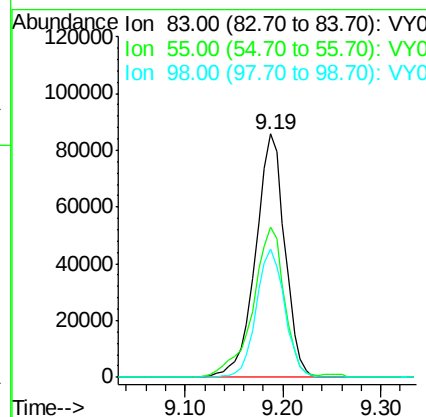
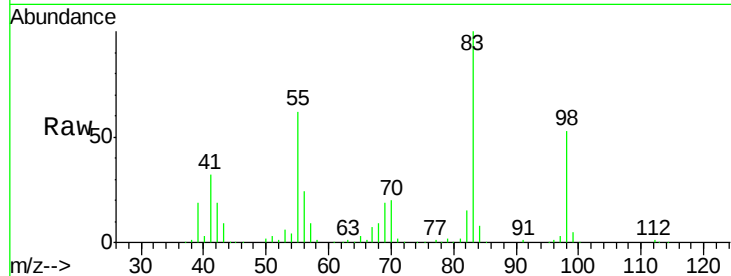
#39
Methylcyclohexane
Concen: 128.640 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Instrument :
MSVOA_Y
ClientSampled :
K500-5

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.8	55.1	82.7
98	53.0	38.3	57.5

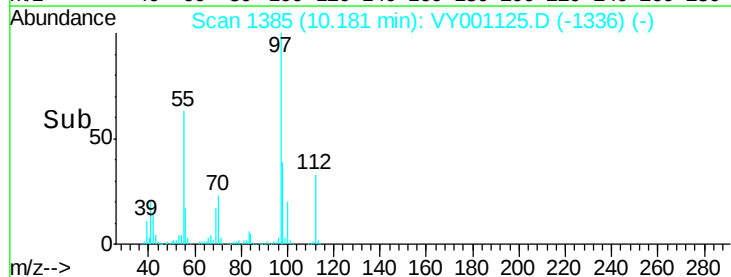
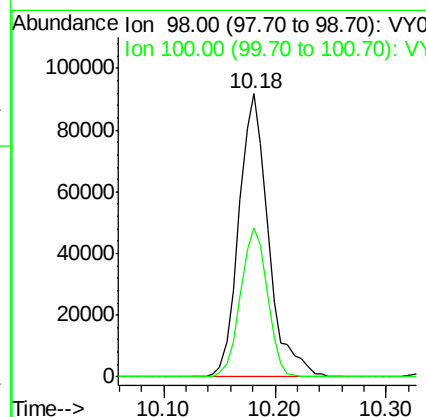
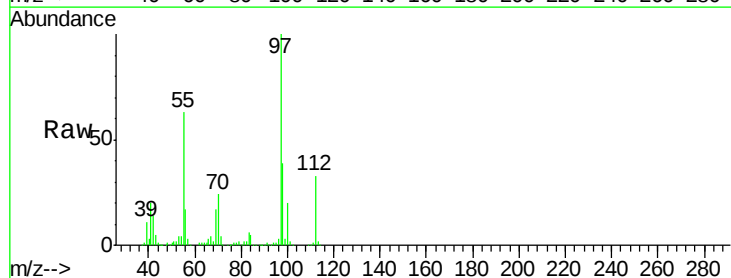
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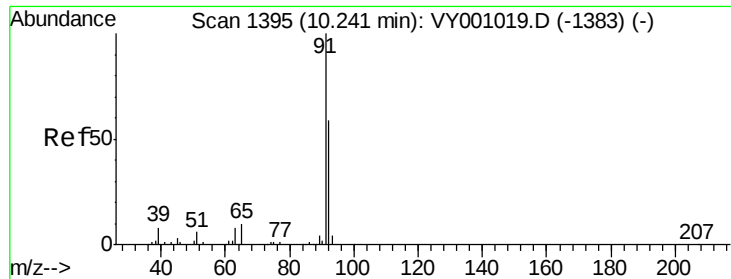
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#50
Toluene-d8
Concen: 67.199 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	47.7	53.0	79.4





#52

Toluene

Concen: 11.354 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY001125.D

Acq: 30 Dec 2019 15:02

Instrument :

MSVOA_Y

ClientSampled :

K500-5

Tot Ion: 92 Resp: 21948

Ion Ratio Lower Upper

92 100

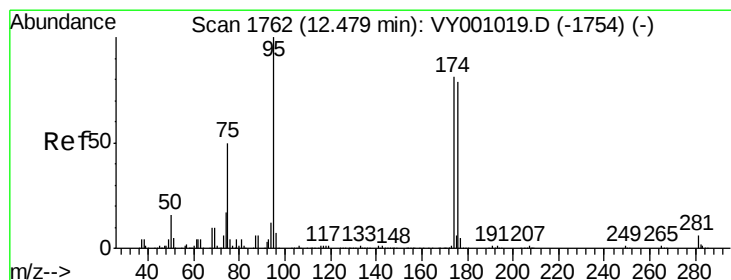
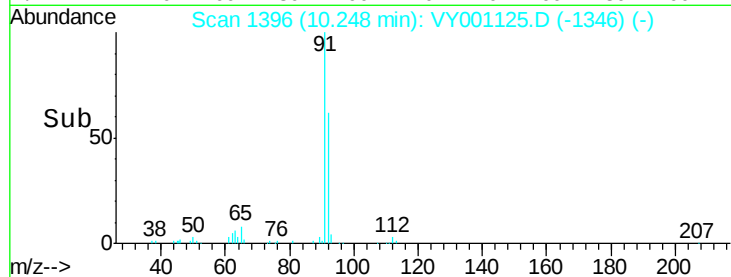
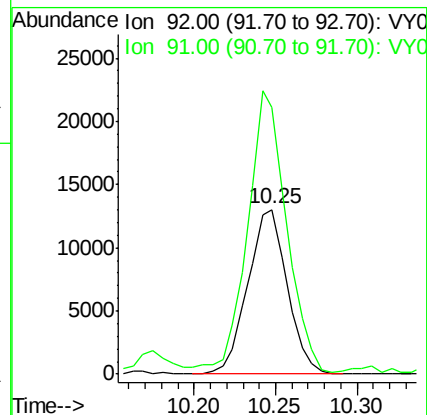
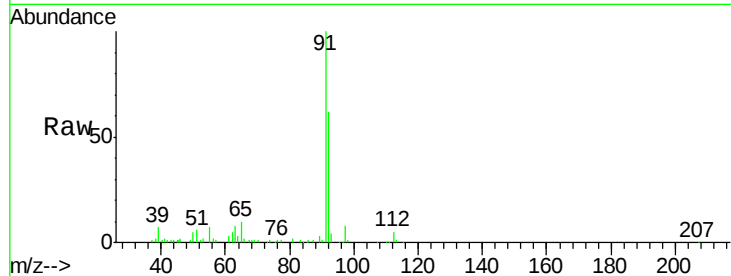
91 169.5 135.7 203.5

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#62

4-Bromofluorobenzene

Concen: 87.156 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY001125.D

Acq: 30 Dec 2019 15:02

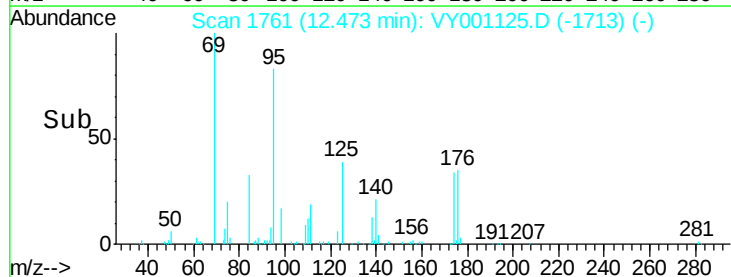
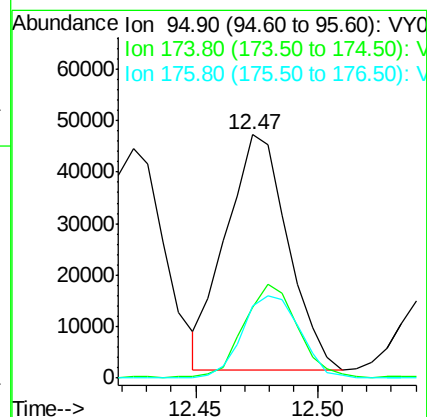
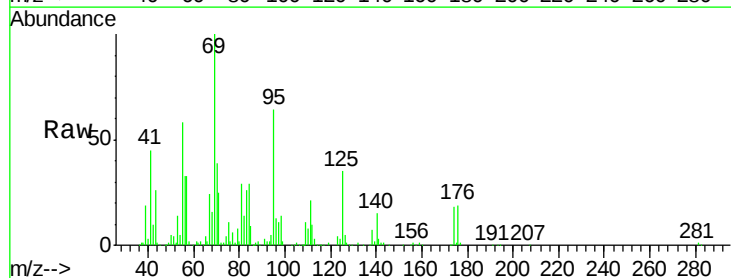
Tgt Ion: 95 Resp: 80025

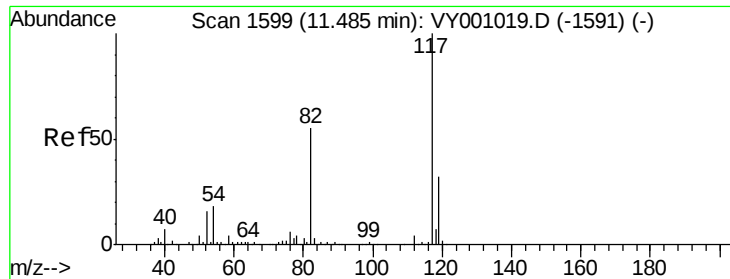
Ion Ratio Lower Upper

95 100

174 34.7 0.0 156.4

176 32.8 0.0 155.0





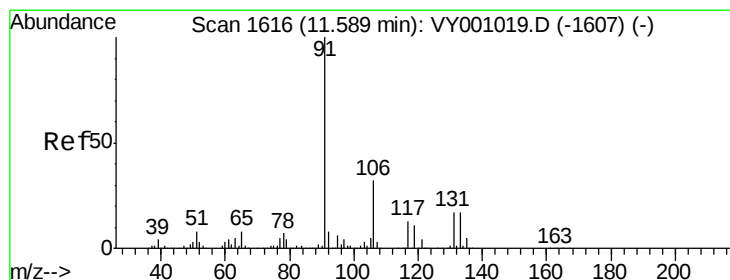
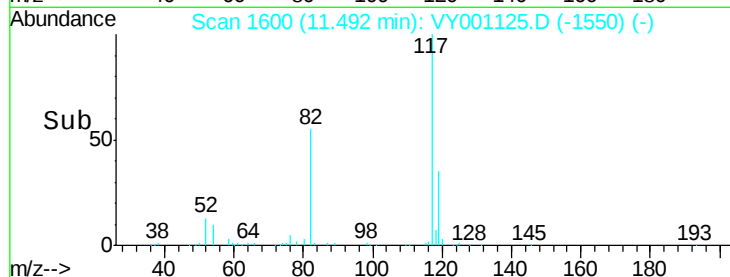
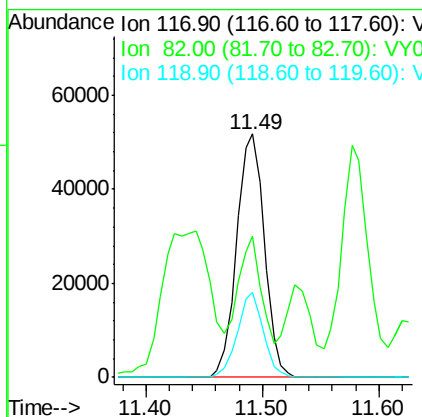
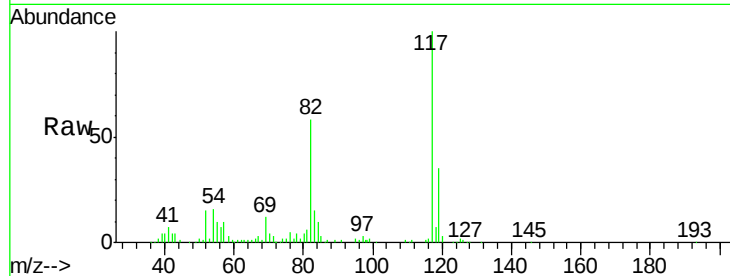
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Instrument :
MSVOA_Y
ClientSampled :
K500-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	21.3	43.8	65.8#
119	34.6	25.8	38.6

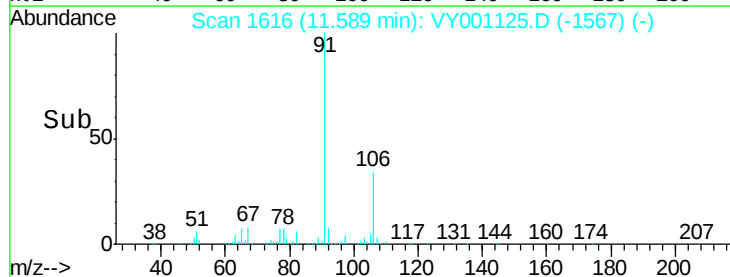
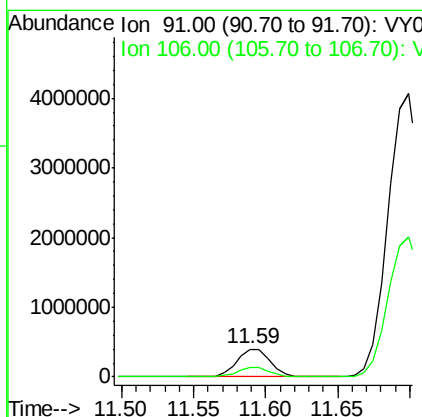
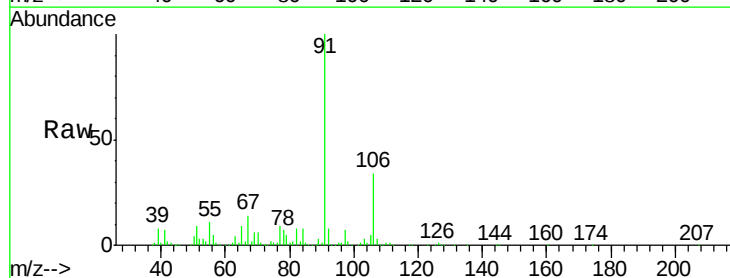
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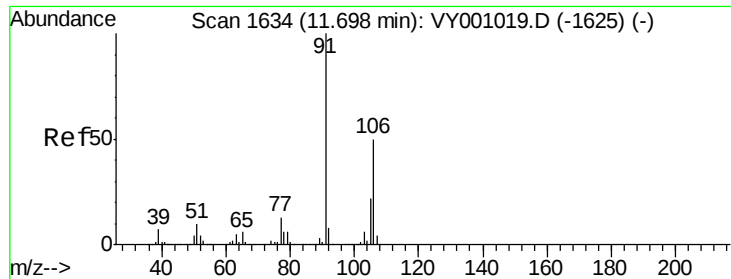
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#67
Ethyl Benzene
Concen: 200.405 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.3	25.3	37.9





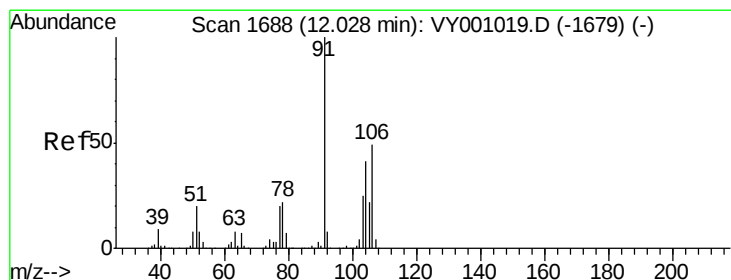
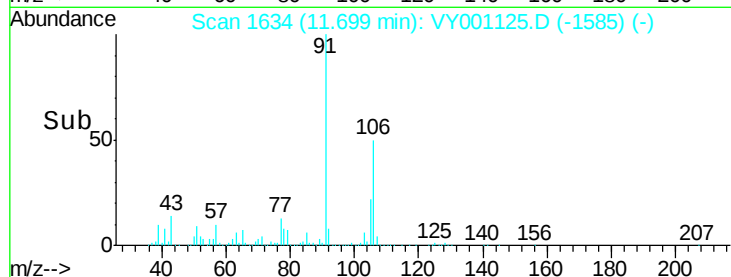
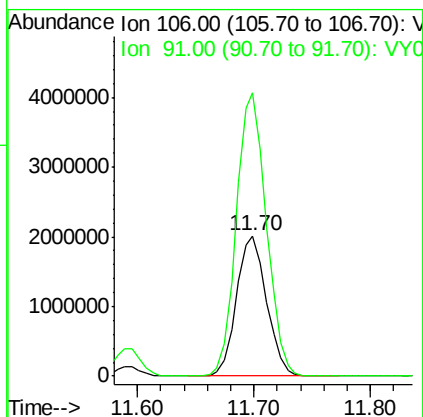
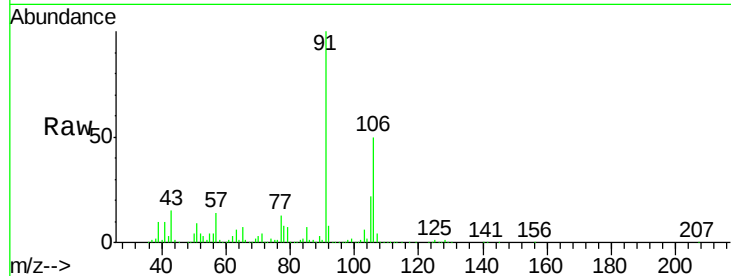
#68
m/p-Xvlenes
Concen: 2957.202 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Instrument :
MSVOA_Y
ClientSampled :
K500-5

Tot Ion:106 Resp: 3606913
Ion Ratio Lower Upper
106 100
91 201.7 156.4 234.6

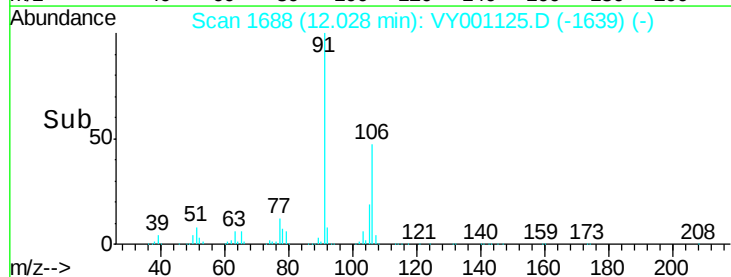
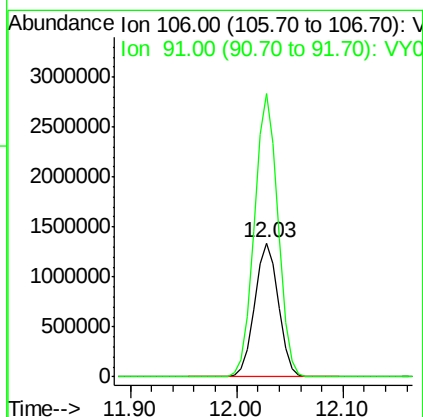
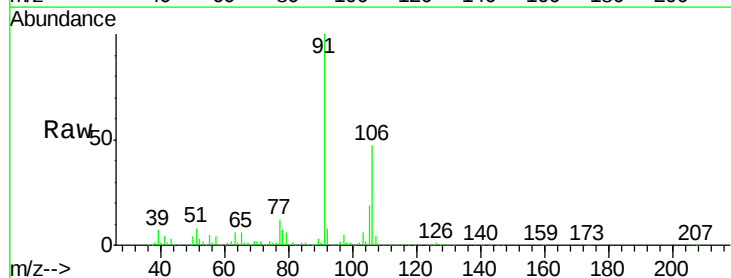
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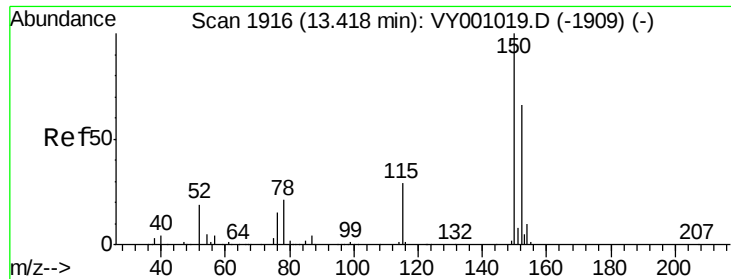
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#69
o-Xylene
Concen: 1823.128 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Tgt Ion:106 Resp: 2091967
Ion Ratio Lower Upper
106 100
91 210.4 103.0 309.0





#72

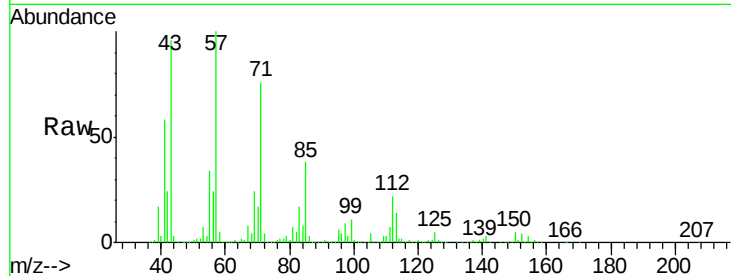
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Instrument :
MSVOA_Y
ClientSampleId :
K500-5

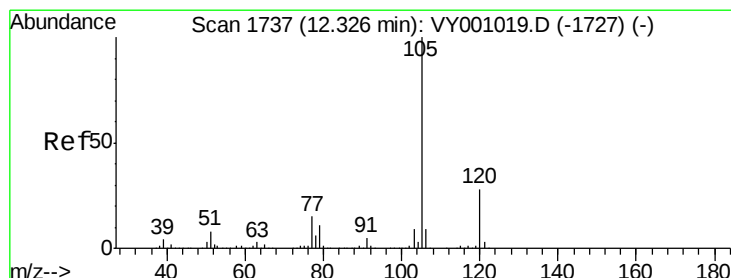
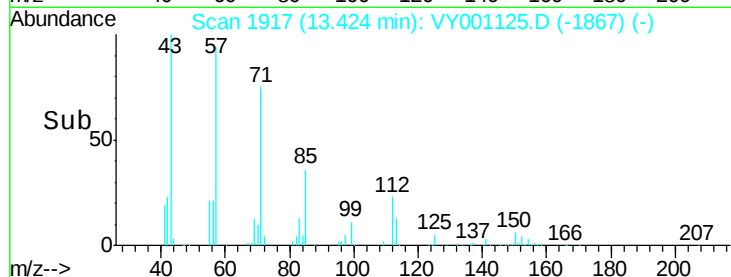
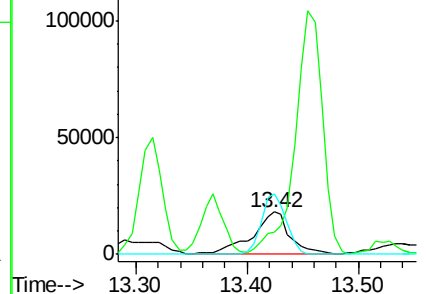
Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	29.8	89.3#
150	97.8	0.0	352.6

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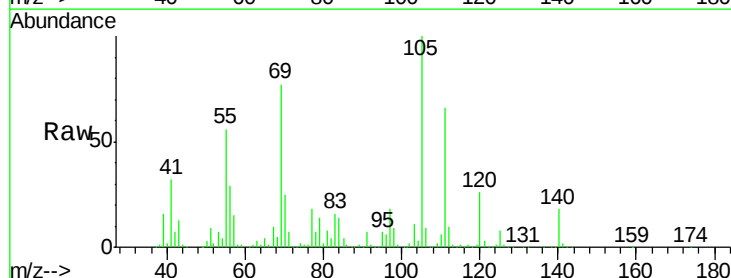
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



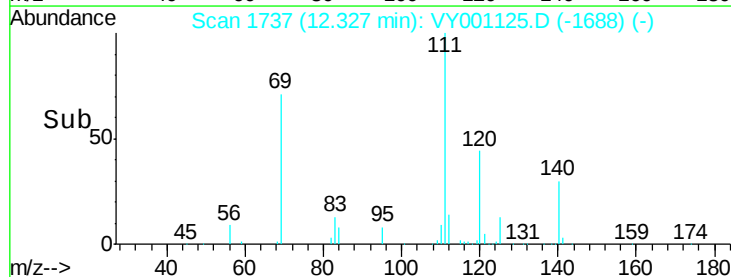
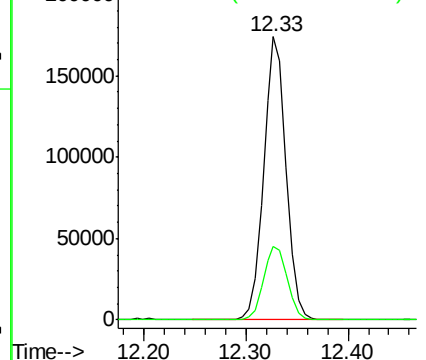
#73

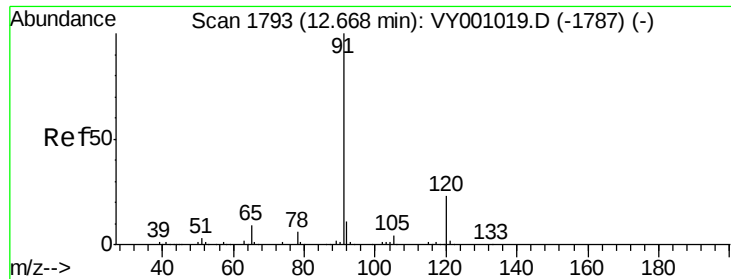
Isopropylbenzene
Concen: 83.306 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	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: 197.704 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001125.D

Acq: 30 Dec 2019 15:02

Instrument :

MSVOA_Y

ClientSampled :

K500-5

Tot Ion: 91 Resp: 764792

Ion Ratio Lower Upper

91 100

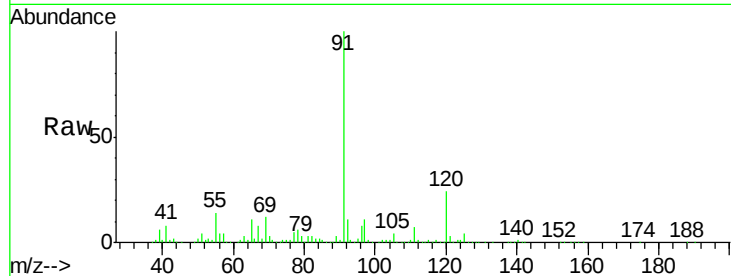
120 24.8 11.4 34.2

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Abundance Ion 91.00 (90.70 to 91.70): VY001125.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VY001125.D (-1787) (-)

1500000

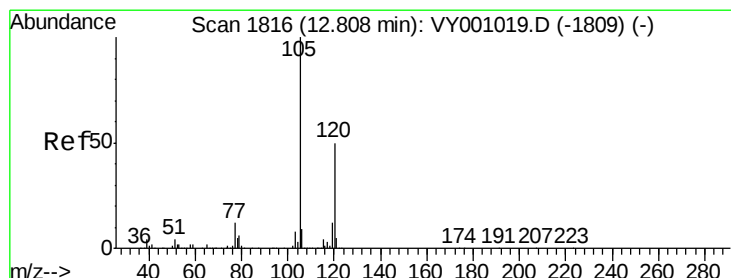
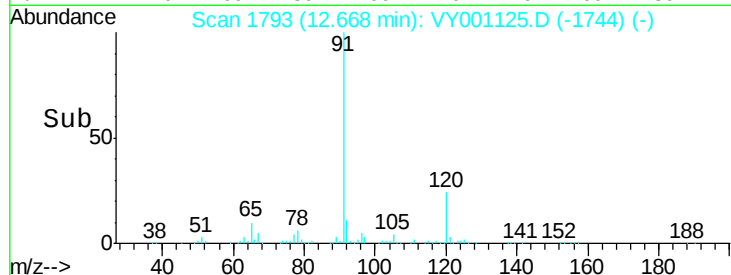
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1344.208 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY001125.D

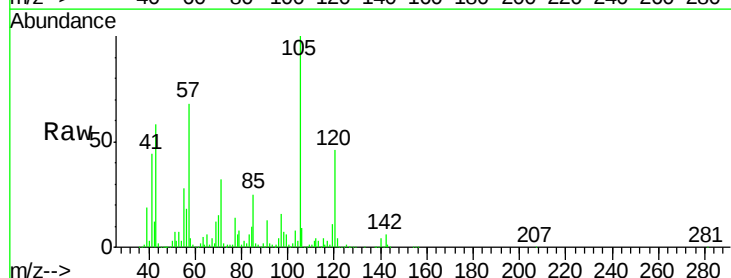
Acq: 30 Dec 2019 15:02

Tgt Ion:105 Resp: 3498011

Ion Ratio Lower Upper

105 100

120 47.1 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001125.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001125.D (-1809) (-)

5000000

4000000

3000000

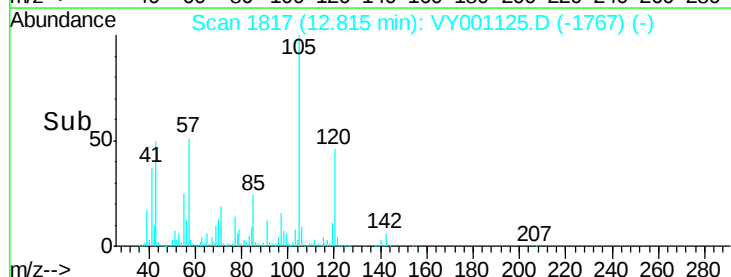
2000000

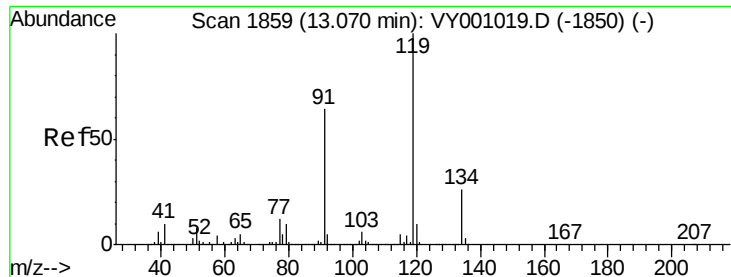
1000000

0

12.80 12.90

Time-->





#83

tert-Butylbenzene

Concen: 8.194 ug/l m

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY001125.D

Acq: 30 Dec 2019 15:02

Instrument :

MSVOA_Y

ClientSampleId :

K500-5

Tot Ion:119 Resp: 17899

Ion Ratio Lower Upper

119 100

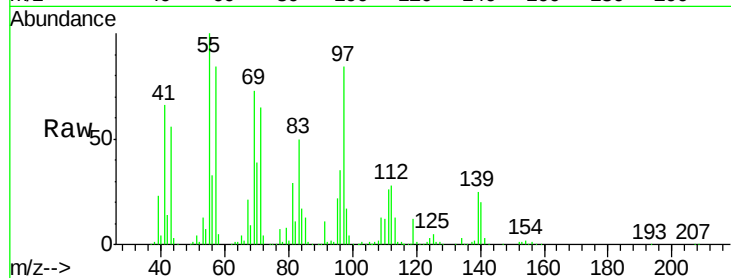
91 7440.6 31.9 95.7

134 0.0 13.6 40.7#

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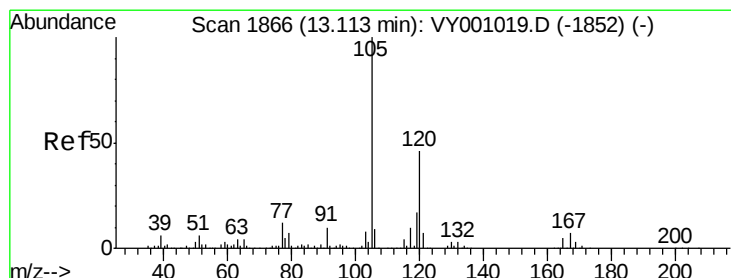
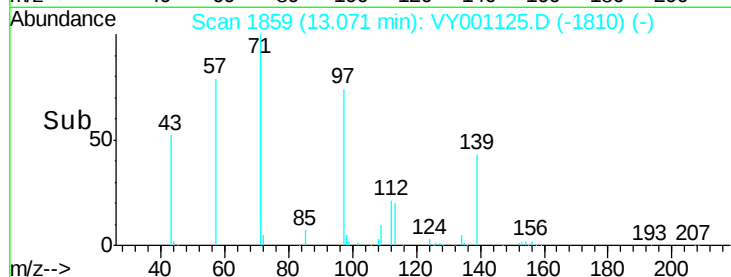
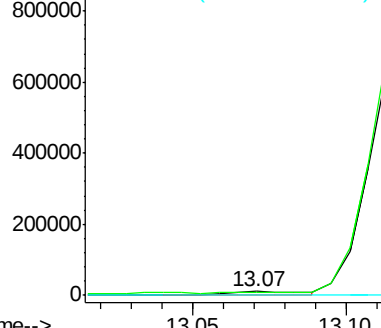
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4208.088 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.01 min

Lab File: VY001125.D

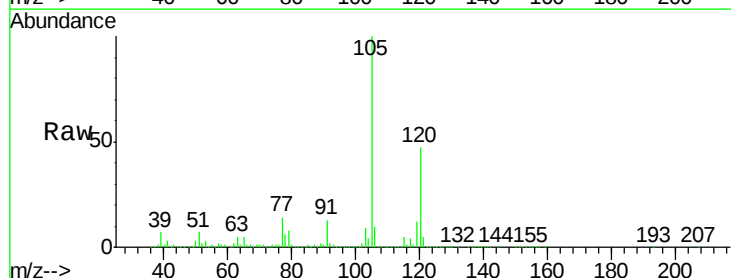
Acq: 30 Dec 2019 15:02

Tgt Ion:105 Resp:11004140

Ion Ratio Lower Upper

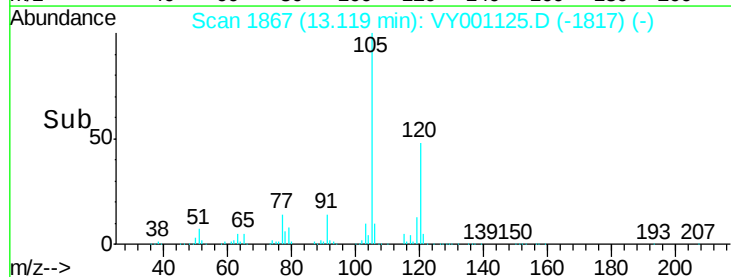
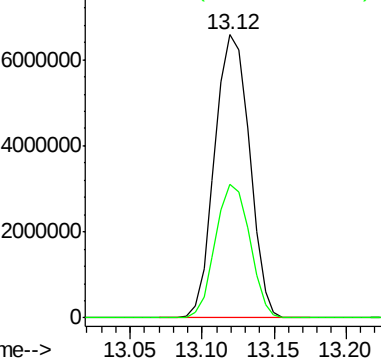
105 100

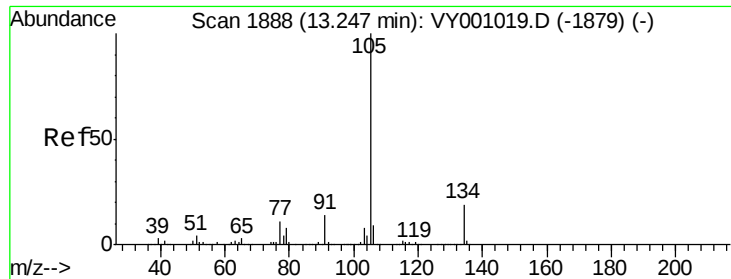
120 46.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





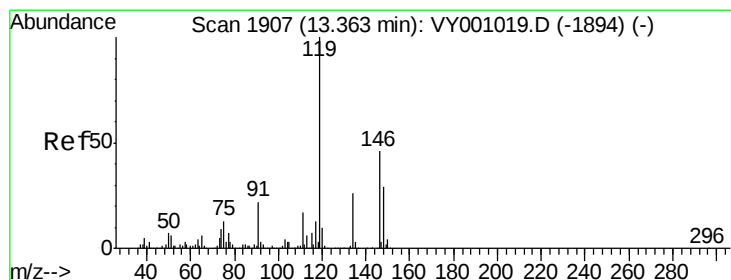
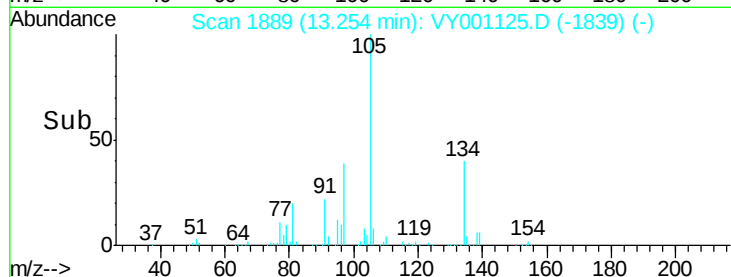
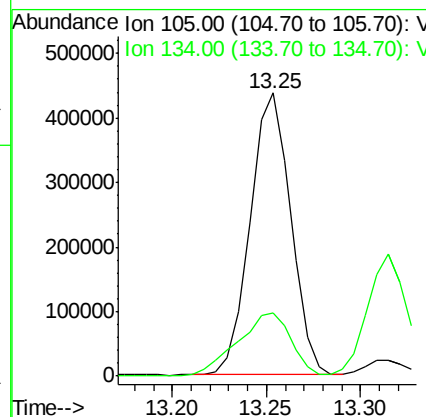
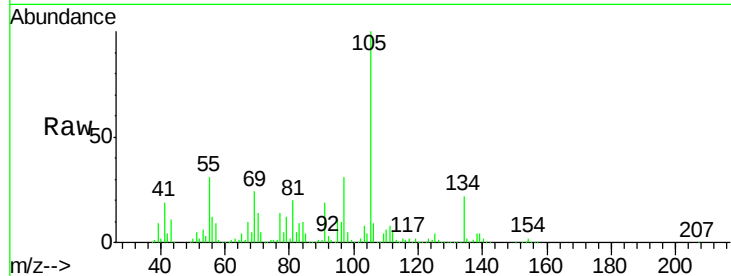
#85
 sec-Butylbenzene
 Concen: 202.523 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001125.D
 Acq: 30 Dec 2019 15:02

Instrument :
 MSVOA_Y
 ClientSampled :
 K500-5

Tot Ion	Ratio	Lower	Upper
105	100		
134	29.7	10.0	30.0

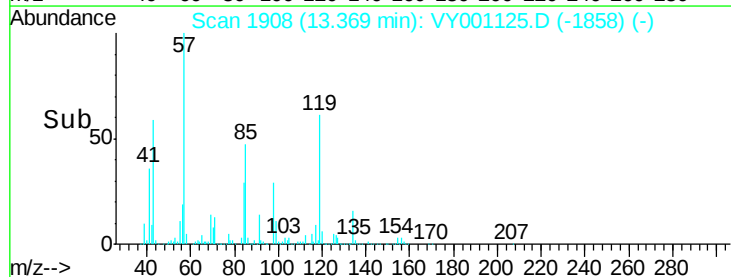
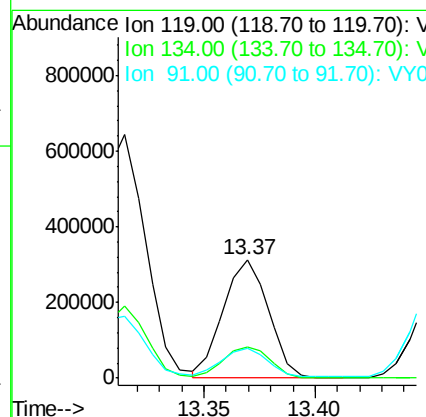
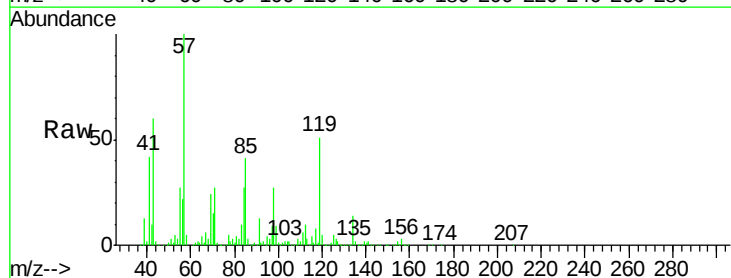
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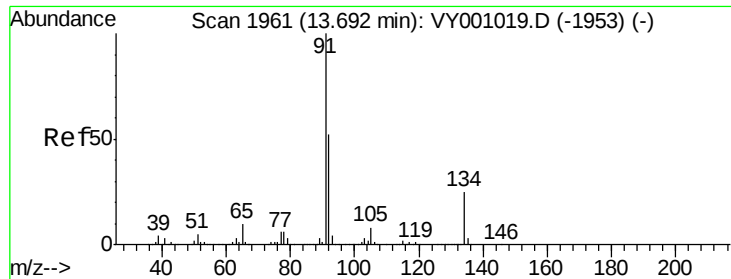
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#86
 p-Isopropyltoluene
 Concen: 158.948 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001125.D
 Acq: 30 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.6	40.7
91	24.0	11.4	34.1





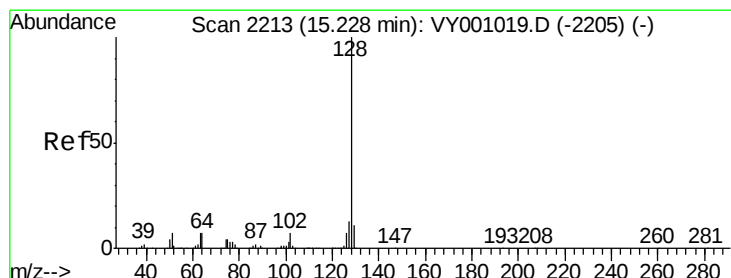
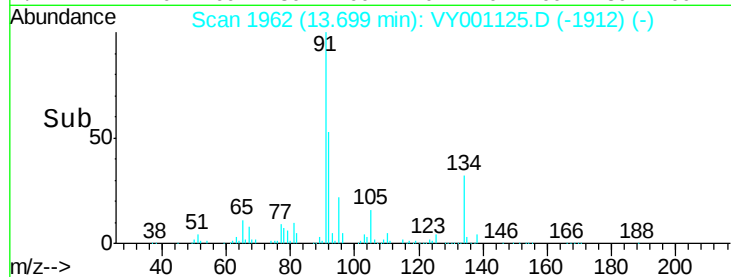
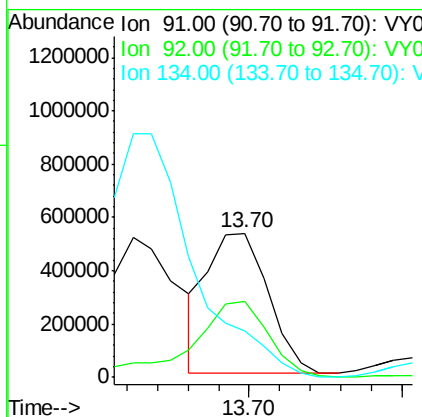
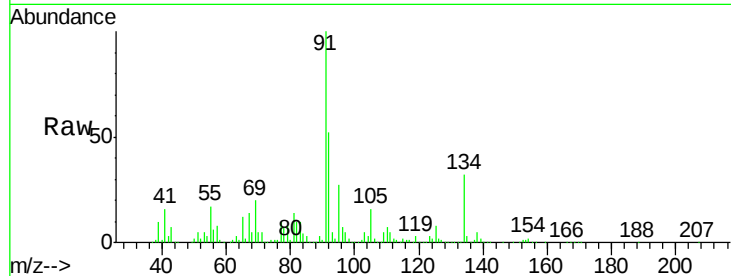
#89
n-Butylbenzene
Concen: 256.273 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Instrument :
MSVOA_Y
ClientSampled :
K500-5

Tot Ion	Ratio	Lower	Upper
91	100		
92	68.5	26.9	80.7
134	0.0	12.7	38.0

Manual Integrations
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#95
Naphthalene
Concen: 204.736 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001125.D
Acq: 30 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.1	9.9	14.9
129	14.6	8.6	13.0

