

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001123.D
 Acq On : 30 Dec 2019 14:17
 Operator : SY/MD
 Sample : K6462-03
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 K500-3

Manual Integrations
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Quant Time: Dec 31 06:29:57 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	260220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	445445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	293282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	112469	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	118626	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
35) Dibromofluoromethane	7.73	113	127347	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.19	98	1061833	103.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.18%	
62) 4-Bromofluorobenzene	12.49	95	508367	135.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.28%	
Target Compounds						
					Qvalue	
16) Acetone	3.97	43	5001	8.458	ug/l	92
31) Cyclohexane	7.79	56	322440	56.527	ug/l	95
39) Methylcyclohexane	9.19	83	4444968	787.671	ug/l	95
52) Toluene	10.25	92	1729692	219.206	ug/l	98
67) Ethyl Benzene	11.60	91	7002922	639.984	ug/l	98
68) m/p-Xylenes	11.71	106	22827400	5494.263	ug/l #	1
69) o-Xylene	12.04	106	15109428	3865.609	ug/l	60
73) Isopropylbenzene	12.34	105	2771863	318.482	ug/l	100
78) n-propylbenzene	12.68	91	7605049	717.115	ug/l	97
80) 1,3,5-Trimethylbenzene	12.83	105	16260392	2279.251	ug/l	92
83) tert-Butylbenzene	13.09	119	97191m	16.229	ug/l	
84) 1,2,4-Trimethylbenzene	13.12	105	24555638m	3425.277	ug/l	
85) sec-Butylbenzene	13.26	105	3337197	378.000	ug/l #	77
86) p-Isopropyltoluene	13.38	119	1706425	223.375	ug/l	96
89) n-Butylbenzene	13.70	91	2135020	277.783	ug/l #	78
95) Naphthalene	15.23	128	204067	37.071	ug/l	98

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

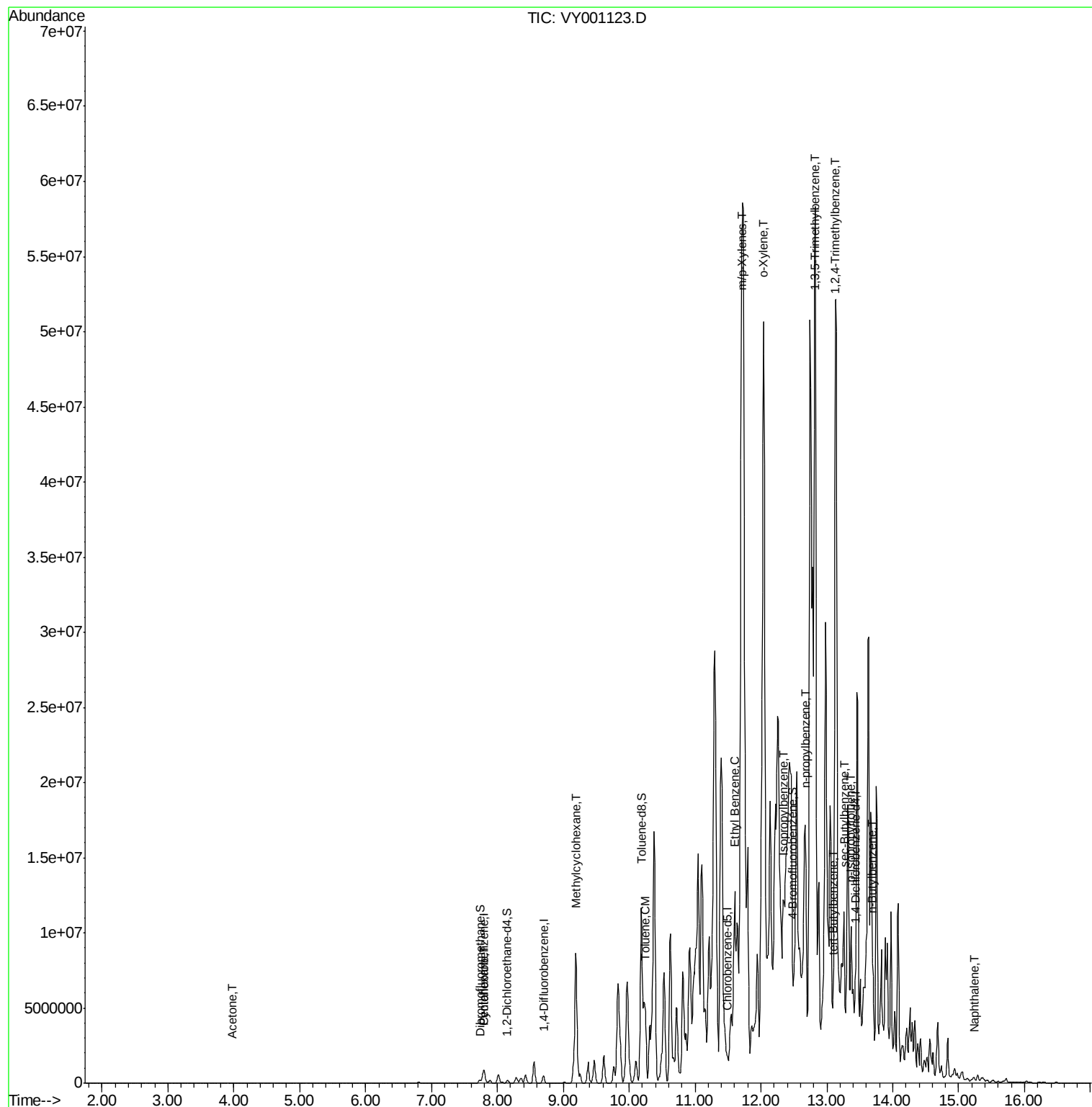
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001123.D
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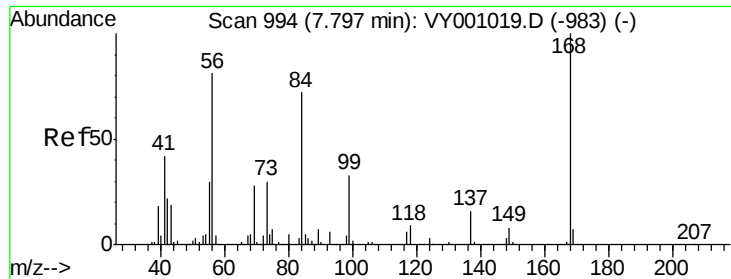
Instrument :
MSVOA_Y
ClientSampleId :
K500-3

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Quant Time: Dec 31 06:29:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001123.D

Acq: 30 Dec 2019 14:17

Instrument :

MSVOA_Y

ClientSampleId :

K500-3

Tot Ion:168 Resp: 260220

Ion Ratio Lower Upper

168 100

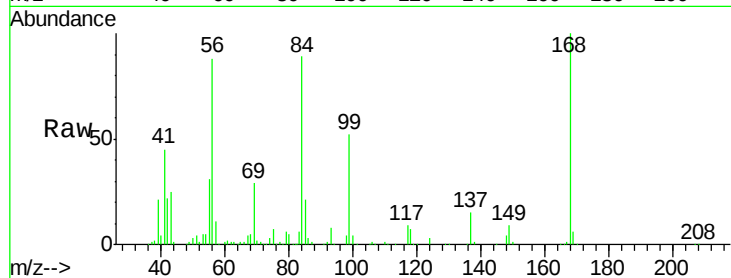
99 52.4 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

120000

100000

80000

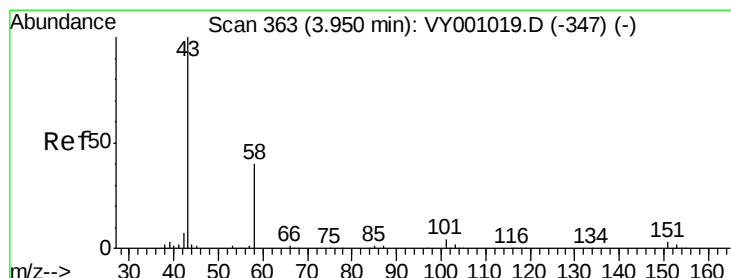
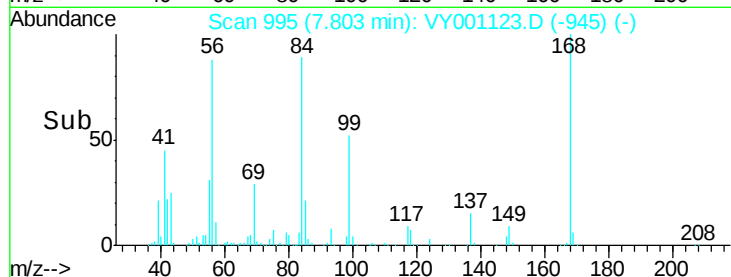
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 8.458 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001123.D

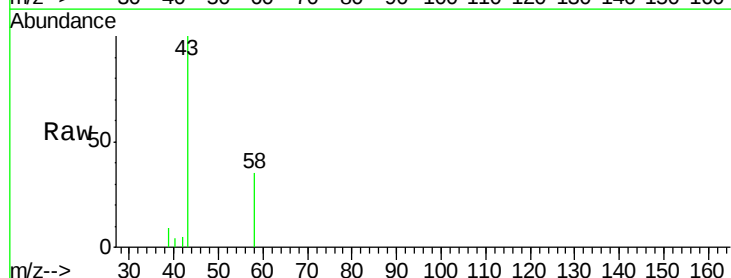
Acq: 30 Dec 2019 14:17

Tgt Ion: 43 Resp: 5001

Ion Ratio Lower Upper

43 100

58 35.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

3.97

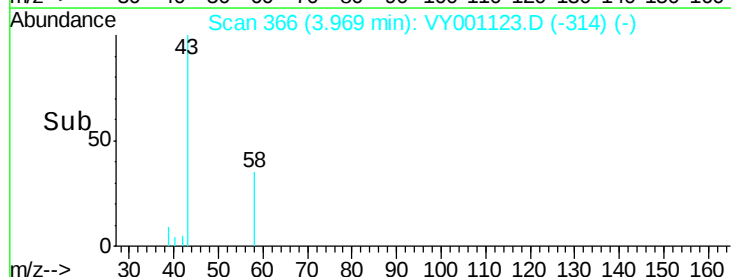
1500

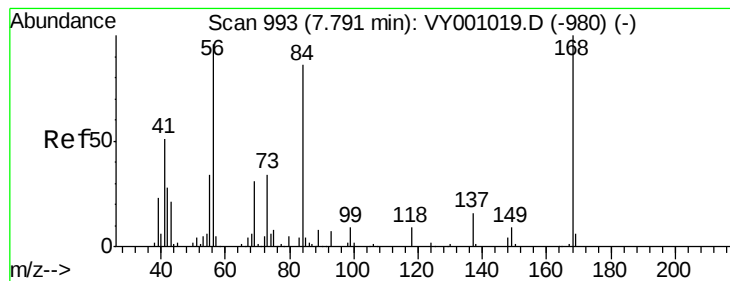
1000

500

0

Time-->





#31

Cyclohexane

Concen: 56.527 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001123.D

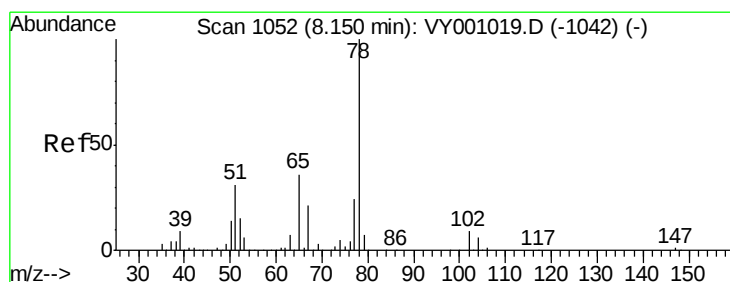
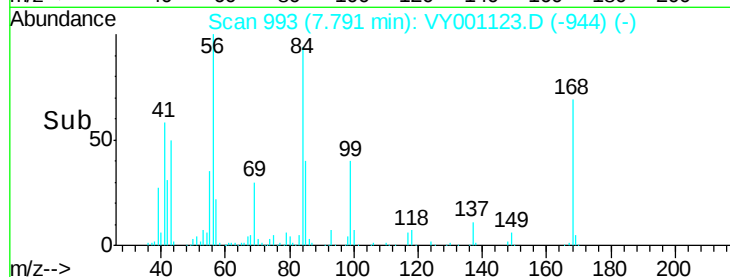
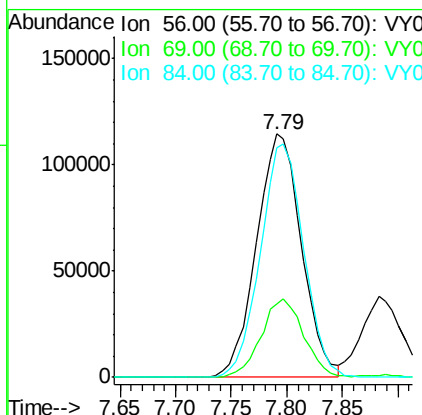
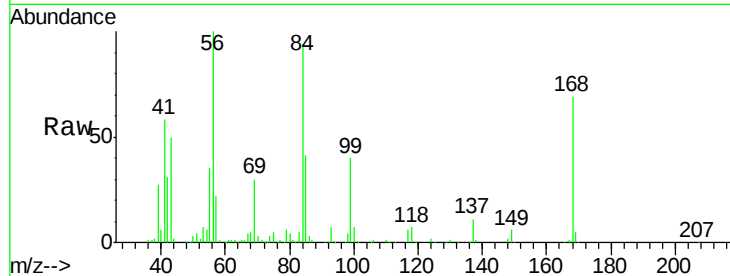
Acq: 30 Dec 2019 14:17

Instrument :
MSVOA_Y
ClientSampleId :
K500-3

Tot Ion:	56	Resp:	322440
Ion	Ratio	Lower	Upper
56	100		
69	30.2	26.1	39.1
84	94.4	71.8	107.8

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#33

1,2-Dichloroethane-d4

Concen: 46.221 ug/l

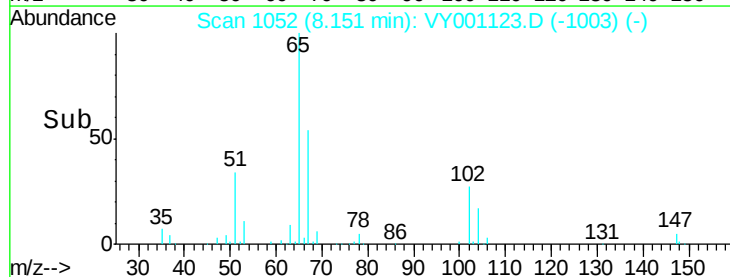
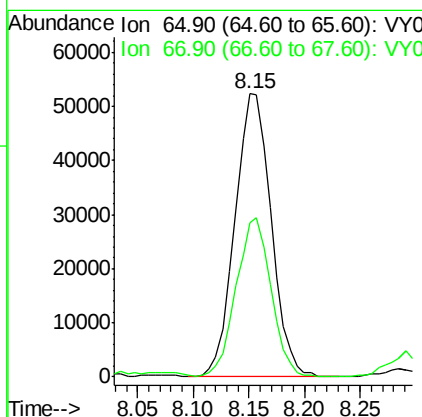
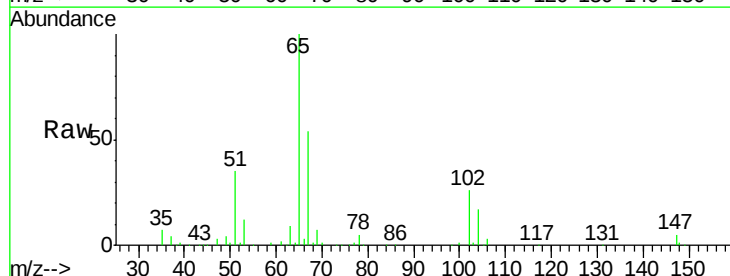
RT: 8.15 min Scan# 1052

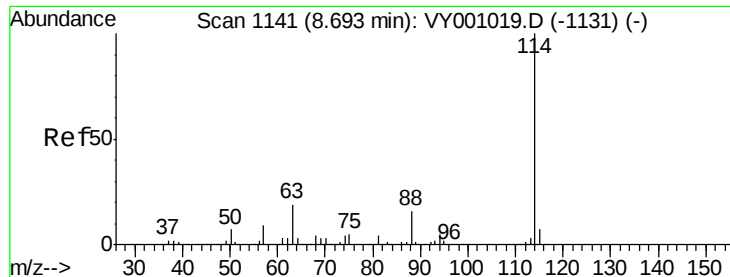
Delta R.T. 0.00 min

Lab File: VY001123.D

Acq: 30 Dec 2019 14:17

Tgt Ion:	65	Resp:	118626
Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	112.8





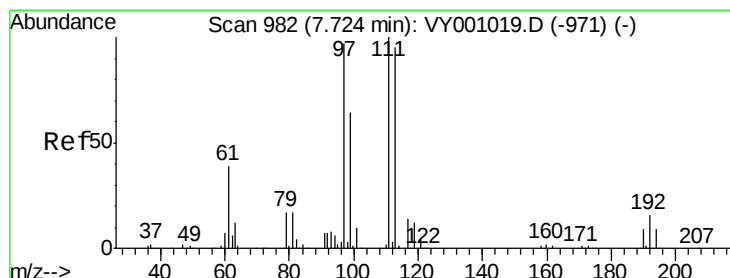
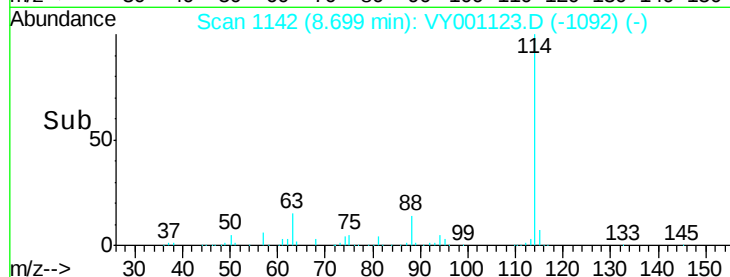
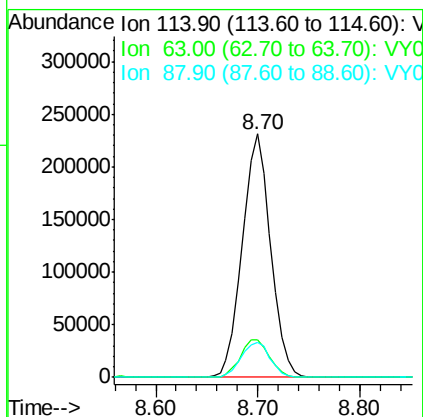
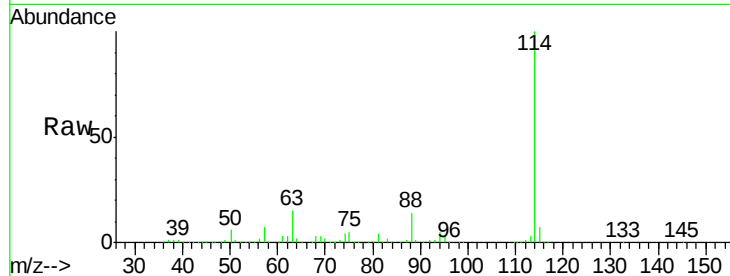
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001123.D
 Acq: 30 Dec 2019 14:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 K500-3

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	15.4	0.0	37.0
88	14.3	0.0	32.0

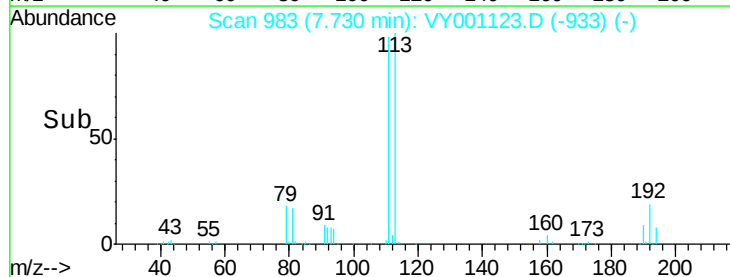
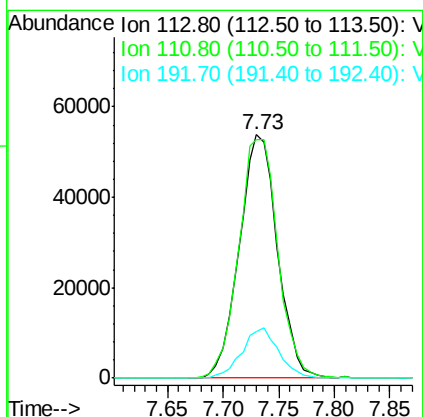
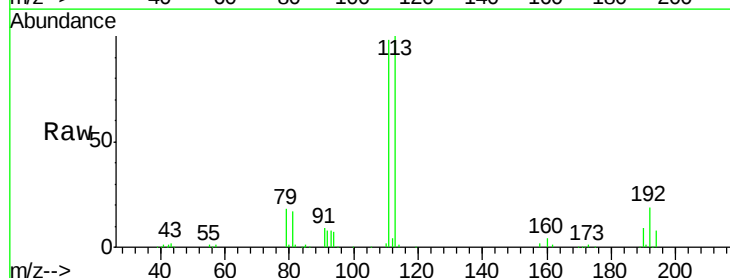
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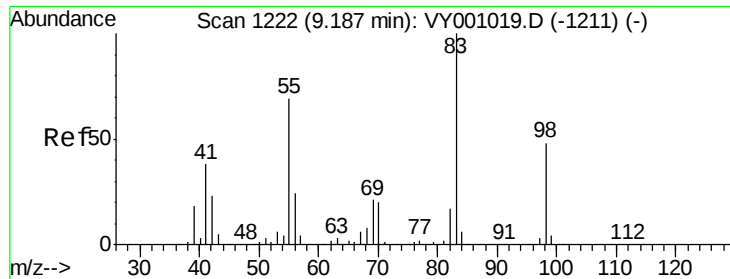
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#35
 Dibromofluoromethane
 Concen: 48.550 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001123.D
 Acq: 30 Dec 2019 14:17

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.1	83.0	124.4
192	19.9	14.6	21.8





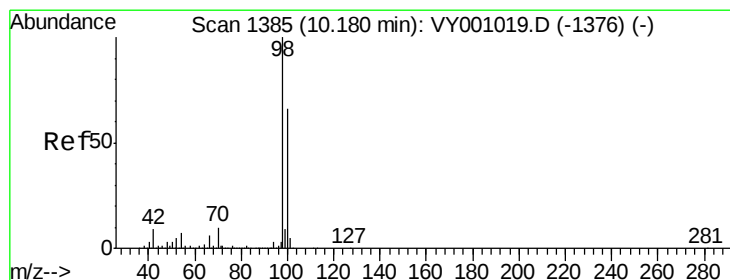
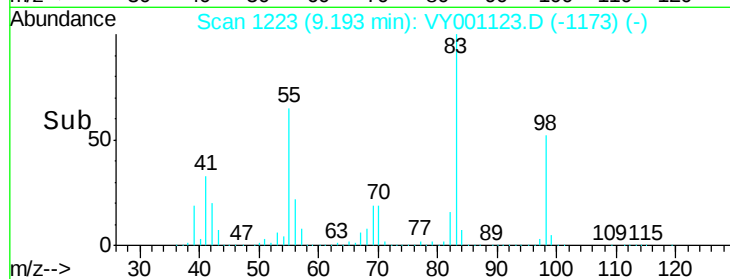
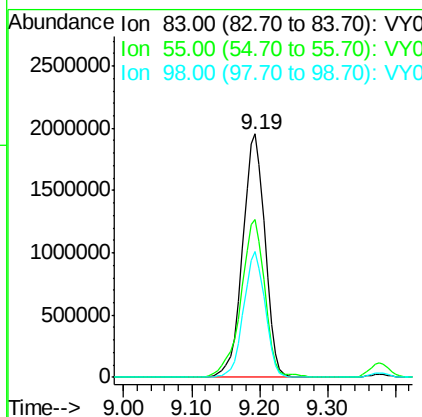
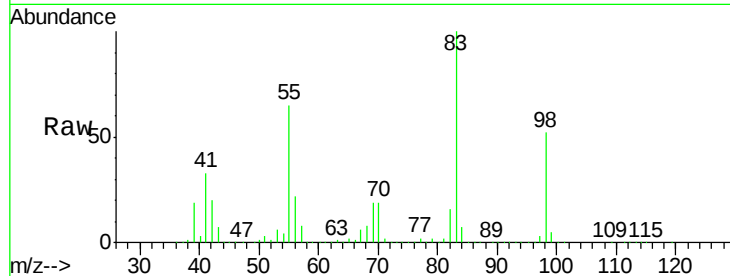
#39
Methylcyclohexane
Concen: 787.671 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY001123.D
Acq: 30 Dec 2019 14:17

Instrument :
MSVOA_Y
ClientSampled :
K500-3

Tot Ion: 83 Resp: 4444968
Ion Ratio Lower Upper
83 100
55 64.9 55.1 82.7
98 51.7 38.3 57.5

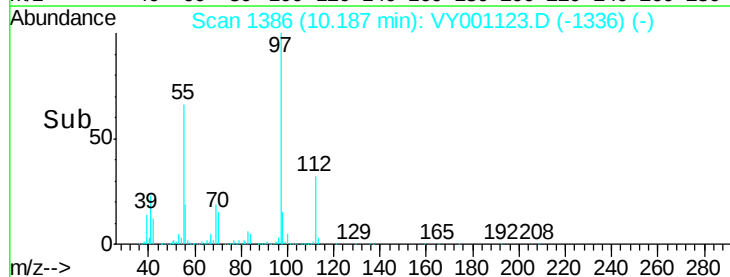
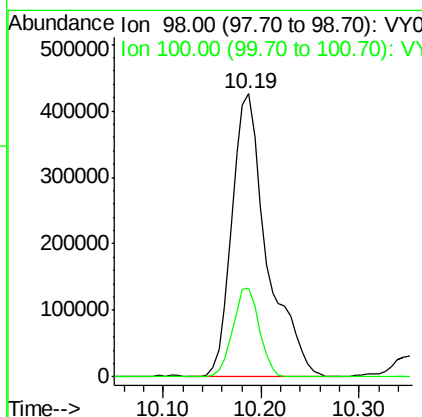
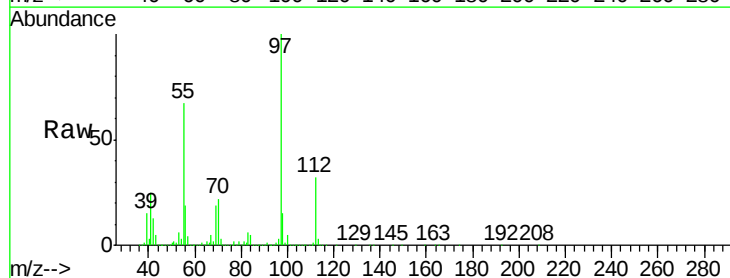
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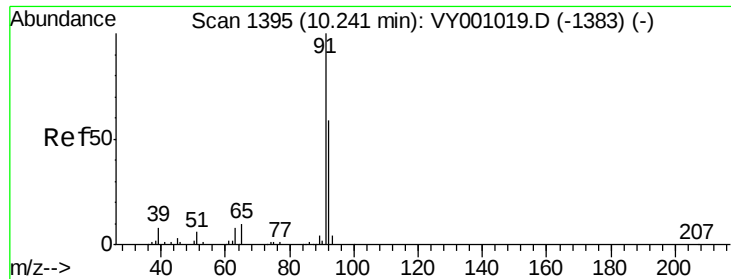
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#50
Toluene-d8
Concen: 103.586 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VY001123.D
Acq: 30 Dec 2019 14:17

Tgt Ion: 98 Resp: 1061833
Ion Ratio Lower Upper
98 100
100 23.8 53.0 79.4#





#52

Toluene

Concen: 219.206 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY001123.D

Acq: 30 Dec 2019 14:17

Instrument :

MSVOA_Y

ClientSampled :

K500-3

Tot Ion: 92 Resp: 1729692

Ion Ratio Lower Upper

92 100

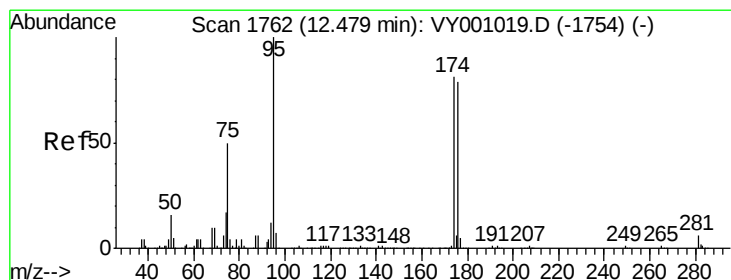
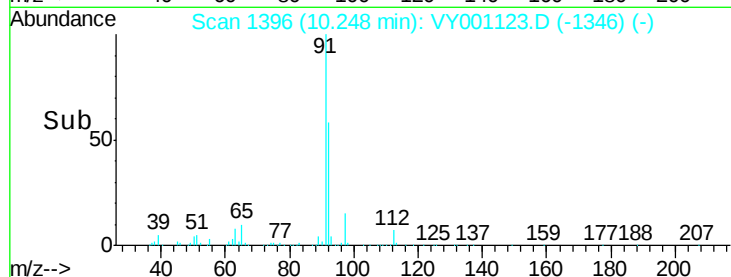
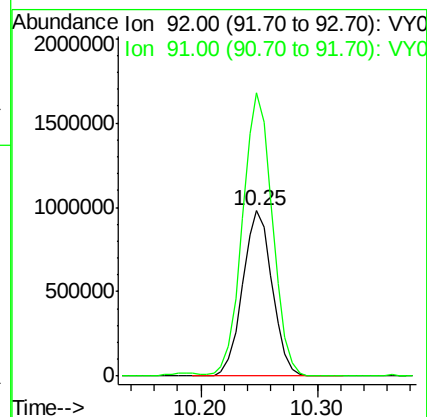
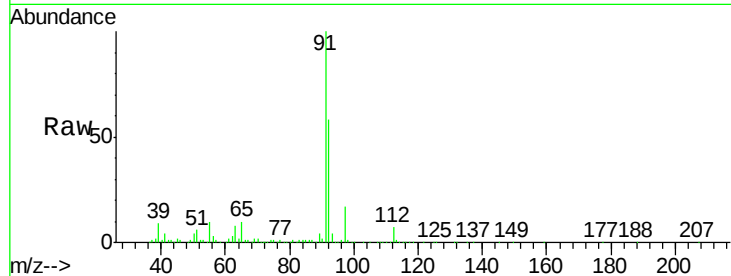
91 172.0 135.7 203.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 135.642 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VY001123.D

Acq: 30 Dec 2019 14:17

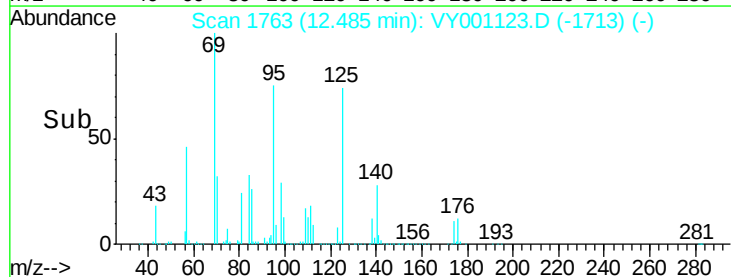
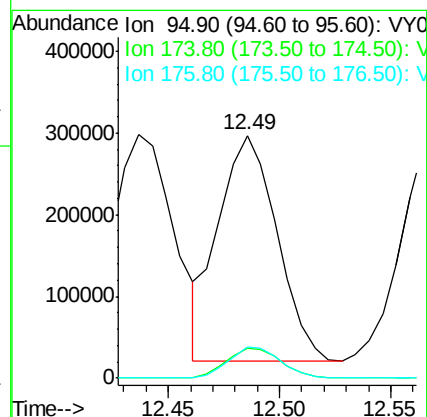
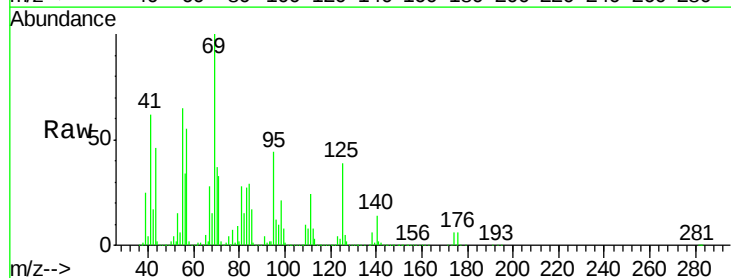
Tgt Ion: 95 Resp: 508367

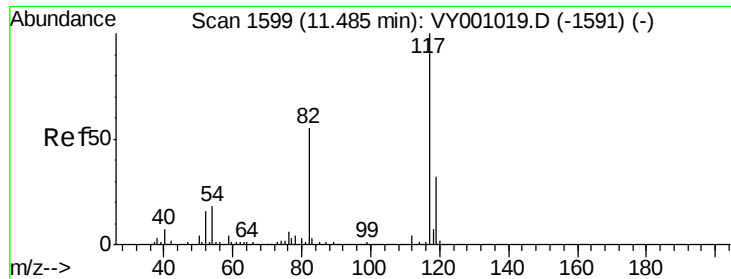
Ion Ratio Lower Upper

95 100

174 12.6 0.0 156.4

176 12.1 0.0 155.0





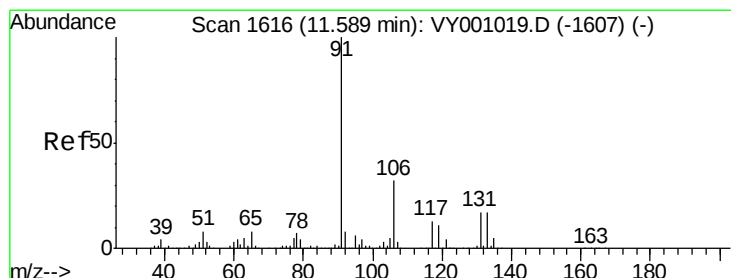
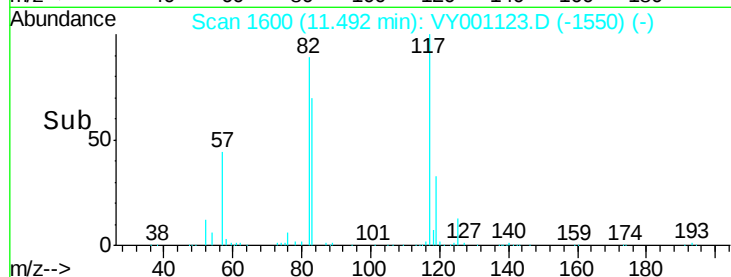
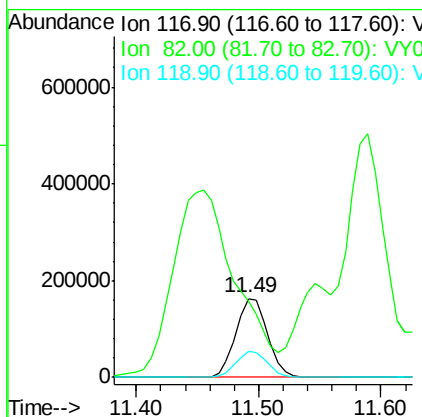
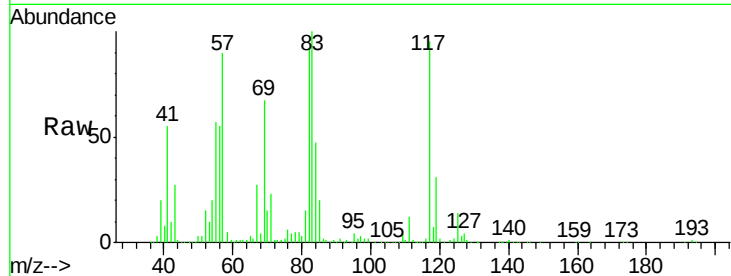
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001123.D
Acq: 30 Dec 2019 14:17

Instrument :
MSVOA_Y
ClientSampleId :
K500-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	43.8	65.8#
119	32.6	25.8	38.6

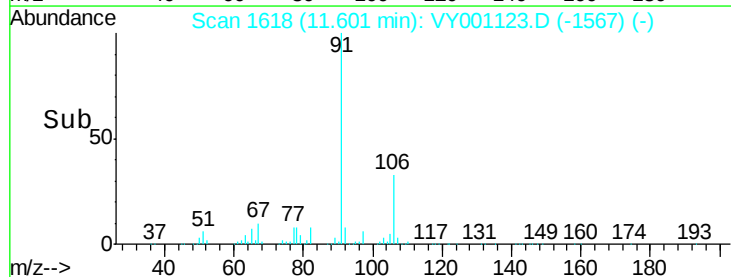
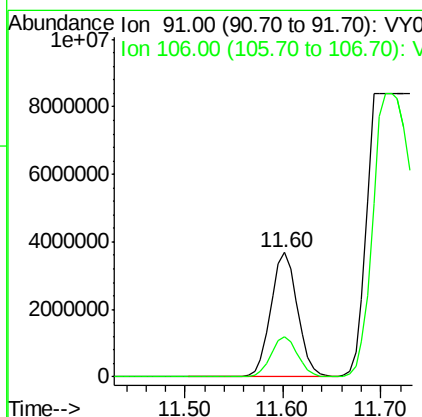
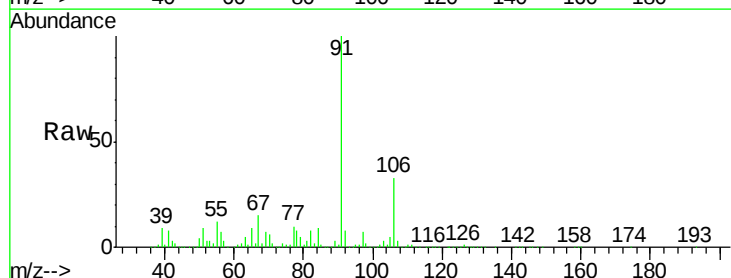
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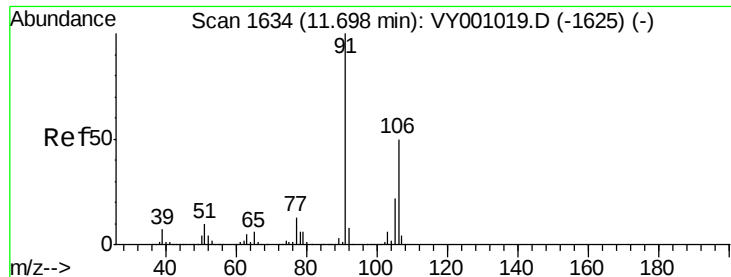
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#67
Ethyl Benzene
Concen: 639.984 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001123.D
Acq: 30 Dec 2019 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.3	37.9





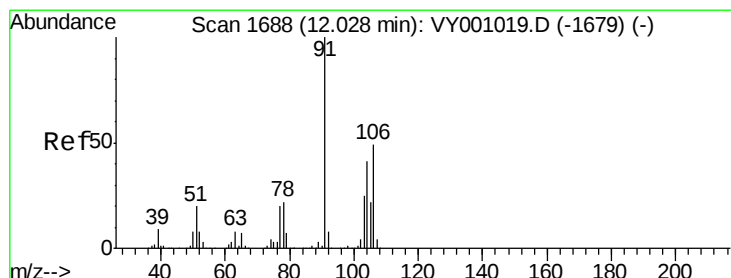
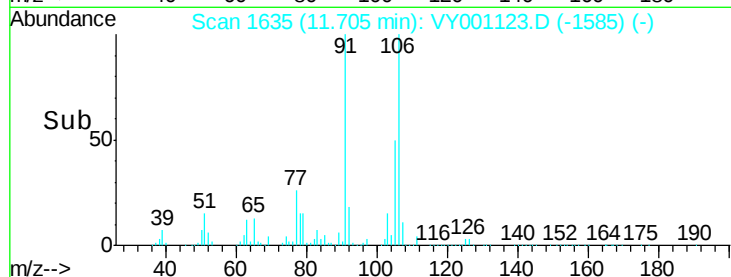
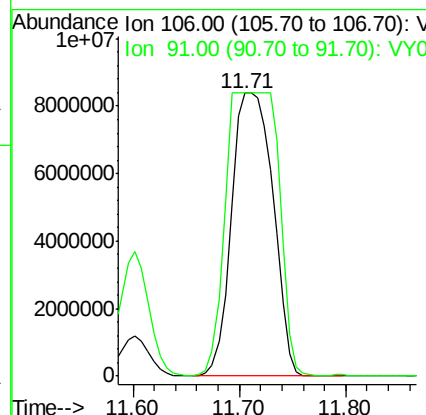
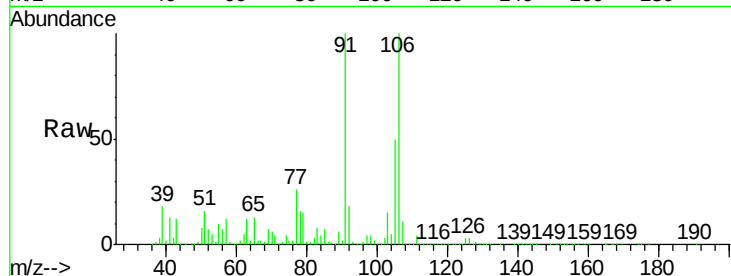
#68
m/p-Xylenes
Concen: 5494.263 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY001123.D
Acq: 30 Dec 2019 14:17

Instrument :
MSVOA_Y
ClientSampled :
K500-3

Tot Ion:106 Resp:22827400
Ion Ratio Lower Upper
106 100
91 0.0 156.4 234.6#

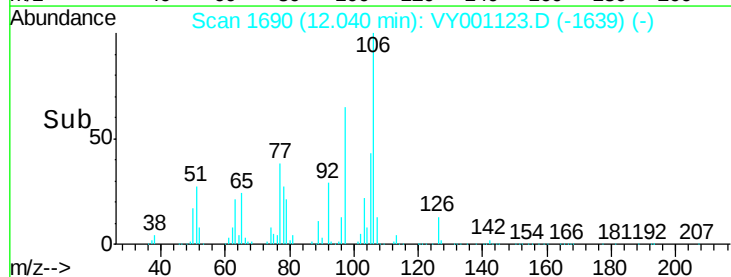
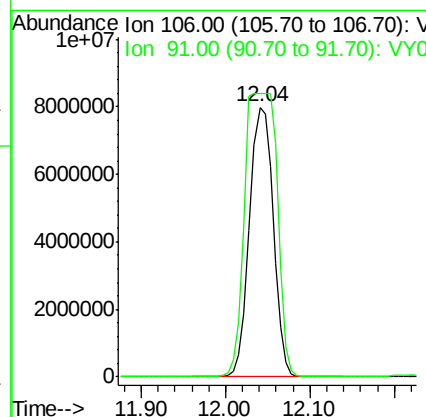
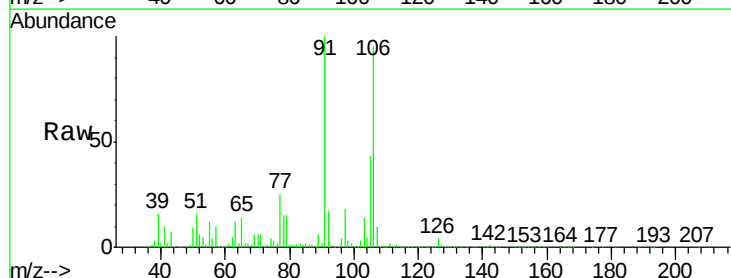
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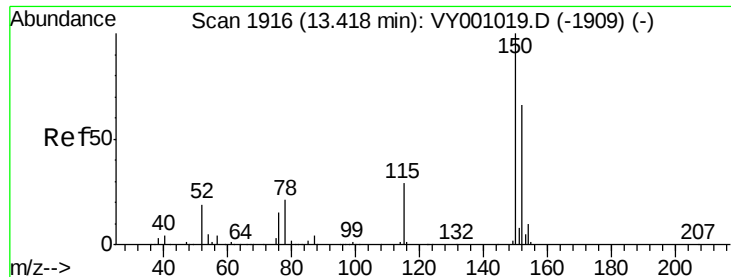
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#69
o-Xylene
Concen: 3865.609 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001123.D
Acq: 30 Dec 2019 14:17

Tgt Ion:106 Resp:15109428
Ion Ratio Lower Upper
106 100
91 144.7 103.0 309.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY001123.D

Acq: 30 Dec 2019 14:17

Instrument :

MSVOA_Y

ClientSampled :

K500-3

Tot Ion:152 Resp: 112469

Ion Ratio Lower Upper

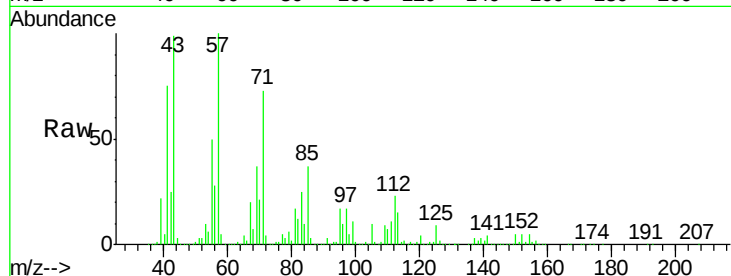
152 100

115 0.0 29.8 89.3#

150 54.9 0.0 352.6

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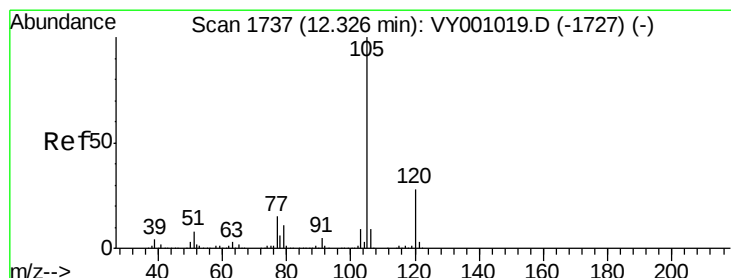
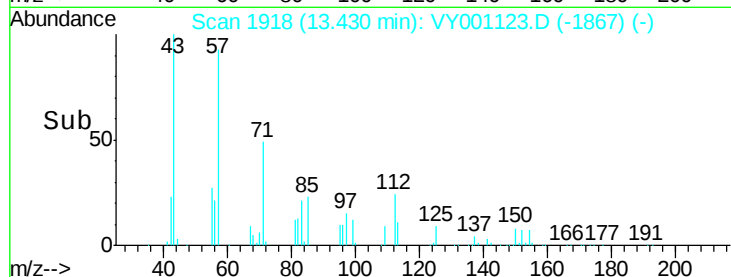
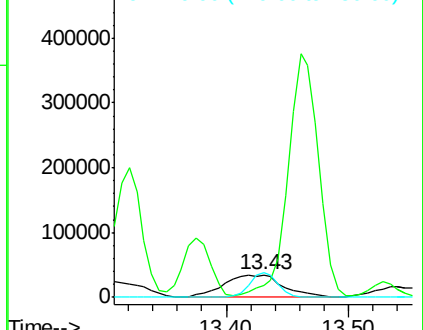
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 318.482 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001123.D

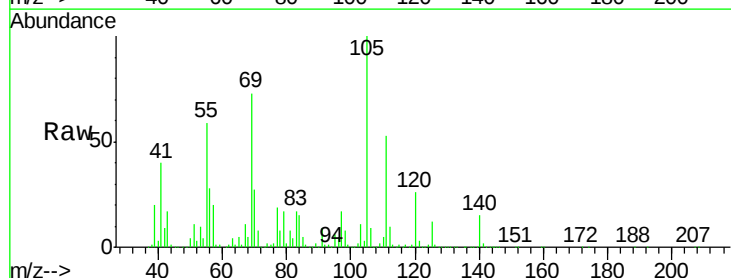
Acq: 30 Dec 2019 14:17

Tgt Ion:105 Resp: 2771863

Ion Ratio Lower Upper

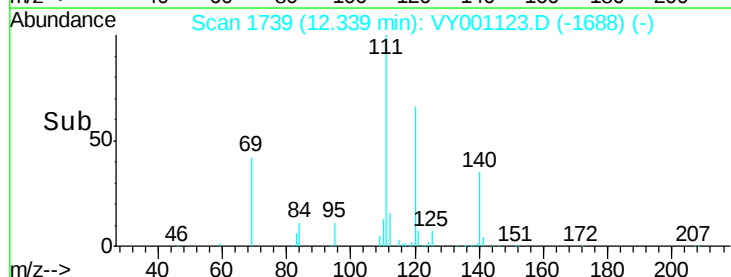
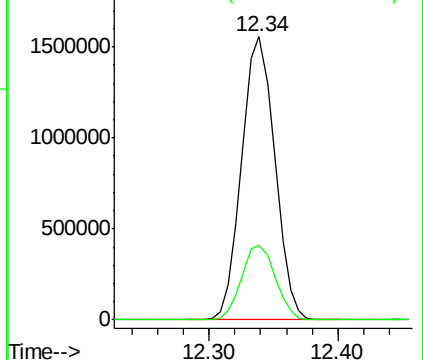
105 100

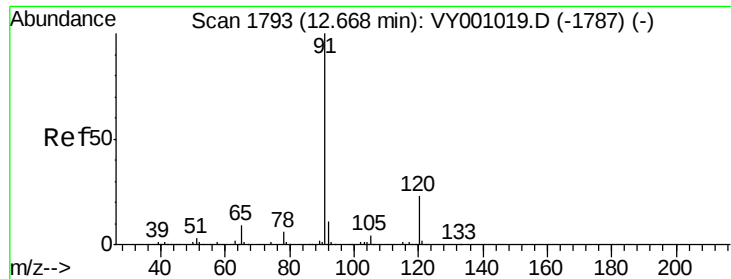
120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 717.115 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001123.D

Acq: 30 Dec 2019 14:17

Instrument :

MSVOA_Y

ClientSampleId :

K500-3

Tot Ion: 91 Resp: 7605049

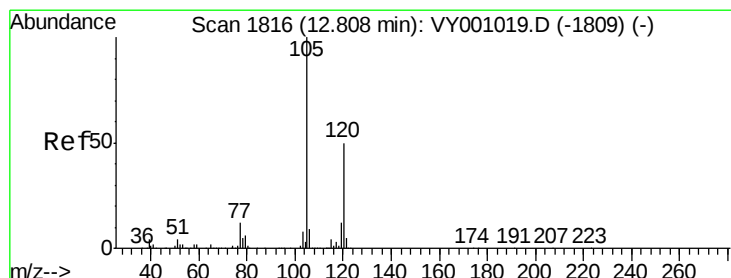
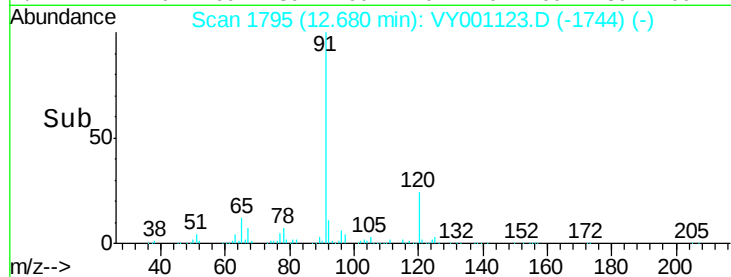
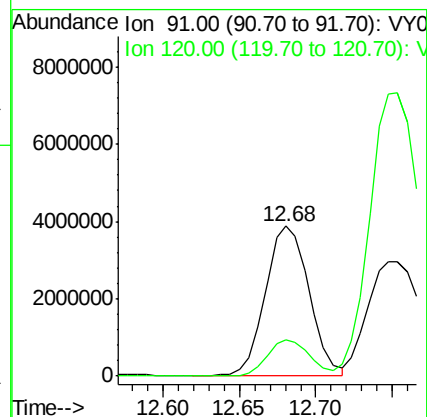
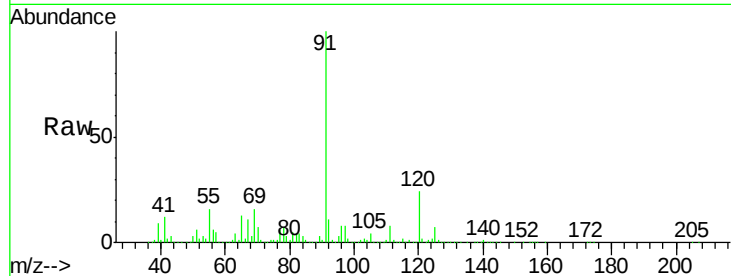
Ion Ratio Lower Upper

91 100

120 24.2 11.4 34.2

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#80

1,3,5-Trimethylbenzene

Concen: 2279.251 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.02 min

Lab File: VY001123.D

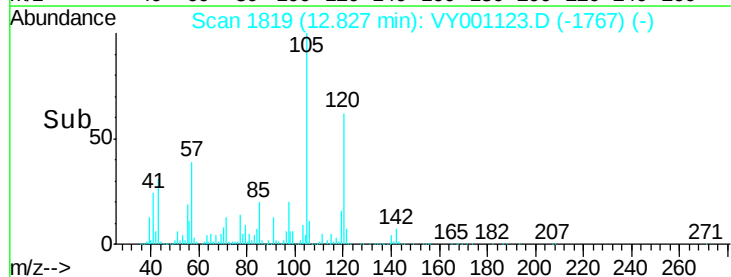
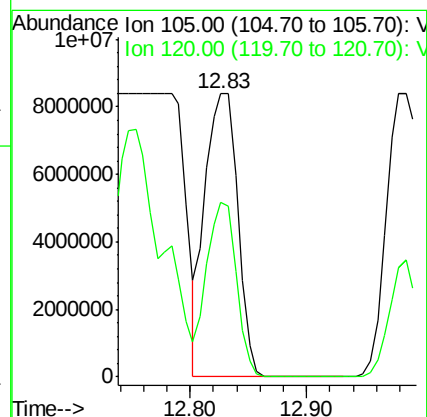
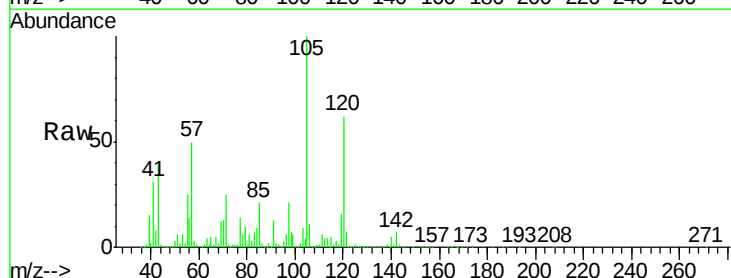
Acq: 30 Dec 2019 14:17

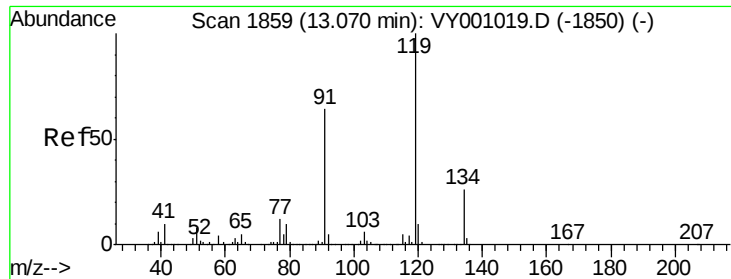
Tgt Ion: 105 Resp: 16260392

Ion Ratio Lower Upper

105 100

120 56.2 25.1 75.4





#83

tert-Butylbenzene

Concen: 16.229 ug/l m

RT: 13.09 min Scan# 1862

Delta R.T. 0.02 min

Lab File: VY001123.D

Acq: 30 Dec 2019 14:17

Instrument :

MSVOA_Y

ClientSampleId :

K500-3

Tot Ion:119 Resp: 97191

Ion Ratio Lower Upper

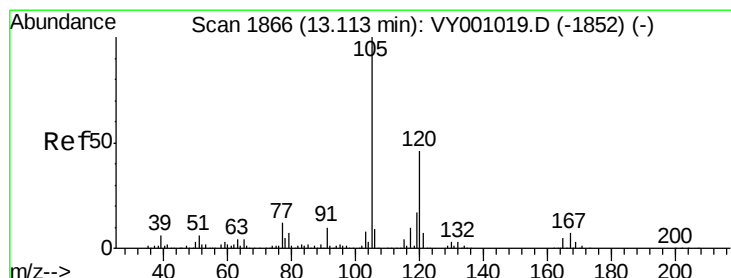
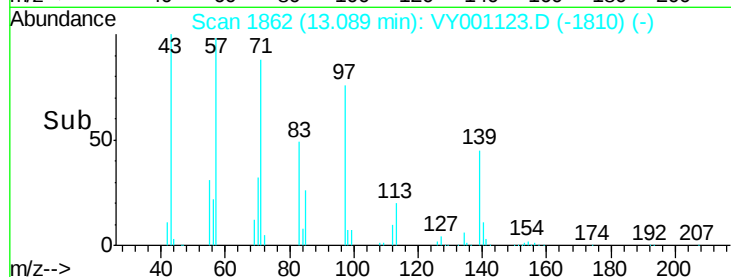
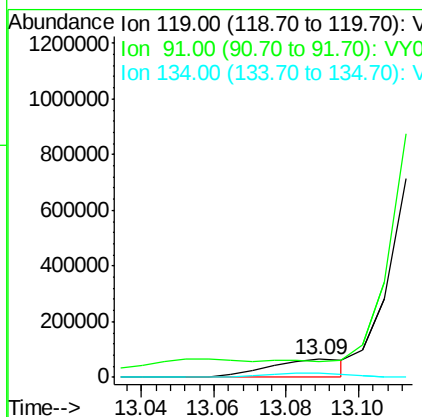
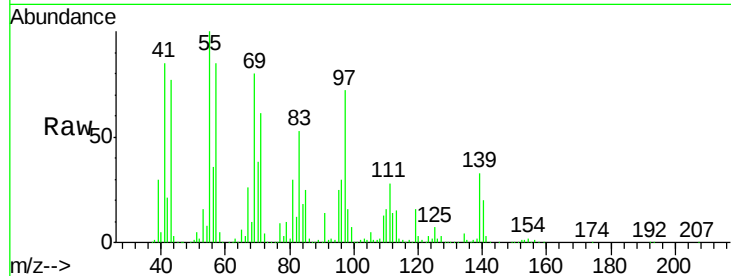
119 100

91 5739.8 31.9 95.7

134 0.0 13.6 40.7

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#84

1,2,4-Trimethylbenzene

Concen: 3425.277 ug/l m

RT: 13.12 min Scan# 1867

Delta R.T. 0.01 min

Lab File: VY001123.D

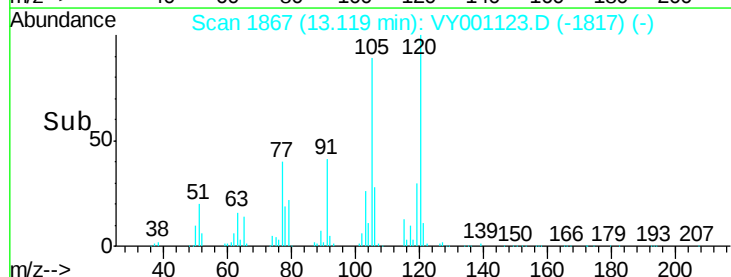
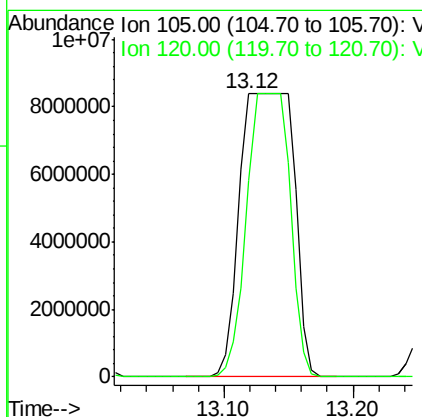
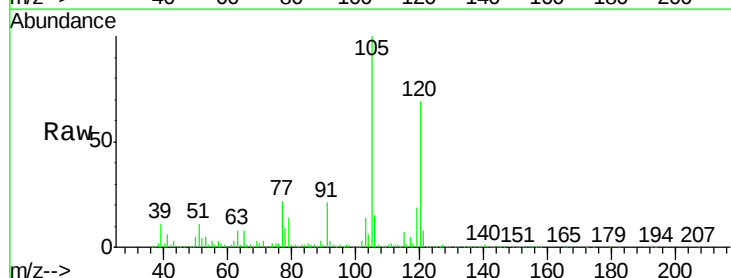
Acq: 30 Dec 2019 14:17

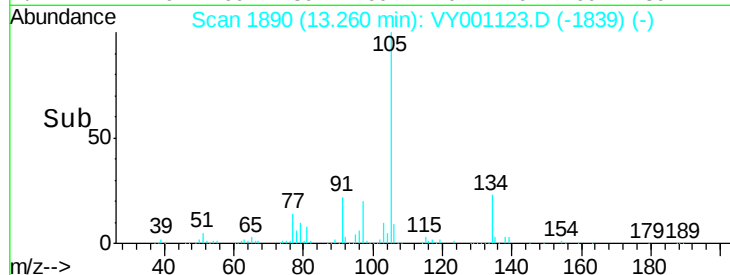
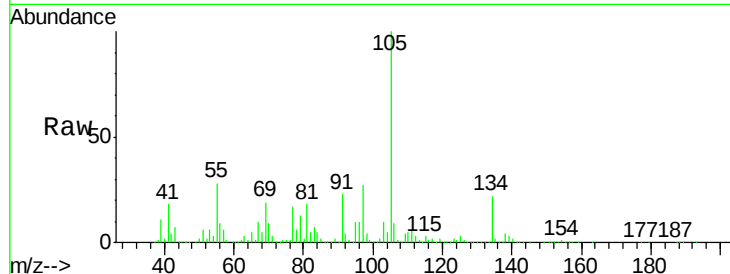
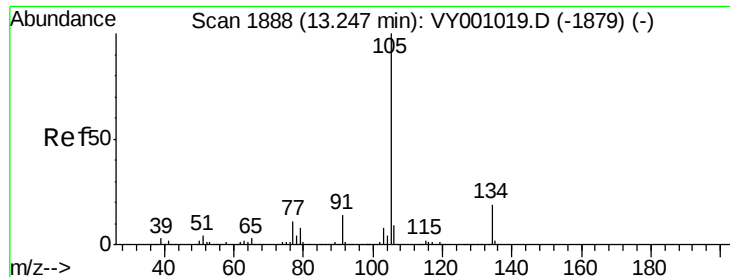
Tgt Ion:105 Resp:24555638

Ion Ratio Lower Upper

105 100

120 23.8 23.4 70.2





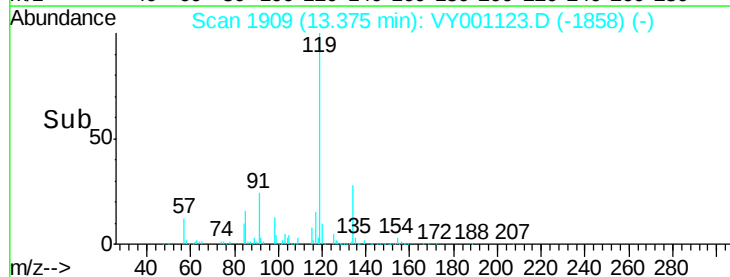
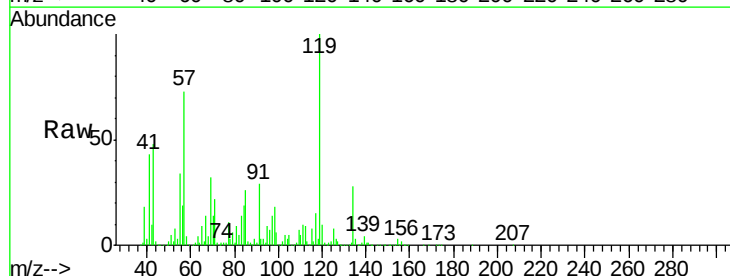
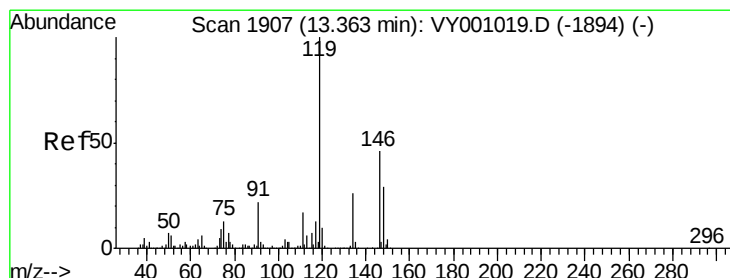
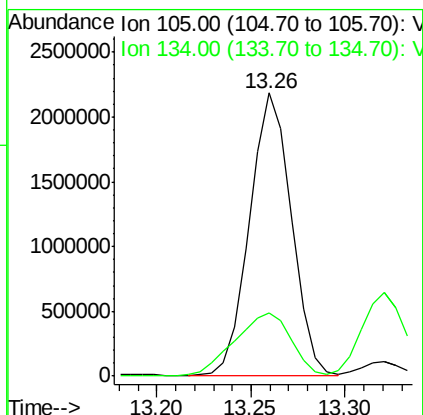
#85
 sec-Butylbenzene
 Concen: 378.000 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.01 min
 Lab File: VY001123.D
 Acq: 30 Dec 2019 14:17

Instrument :
 MSVOA_Y
 ClientSampled :
 K500-3

Tot Ion:105 Resp: 3337197
 Ion Ratio Lower Upper
 105 100
 134 30.6 10.0 30.0#

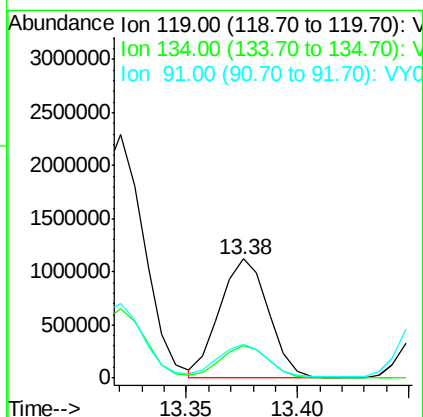
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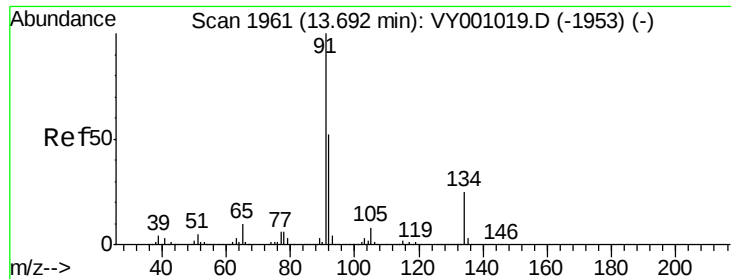
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#86
 p-Isopropyltoluene
 Concen: 223.375 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY001123.D
 Acq: 30 Dec 2019 14:17

Tgt Ion:119 Resp: 1706425
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.7
 91 26.7 11.4 34.1





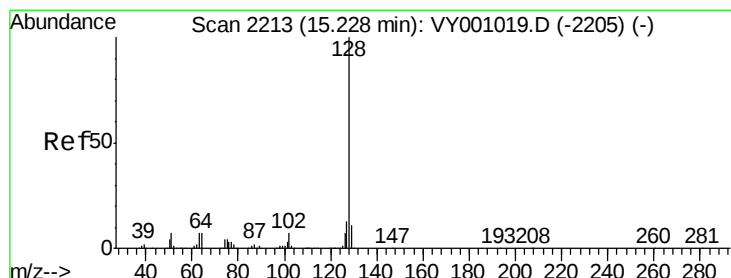
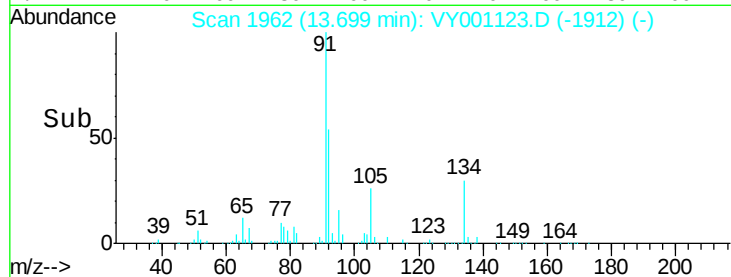
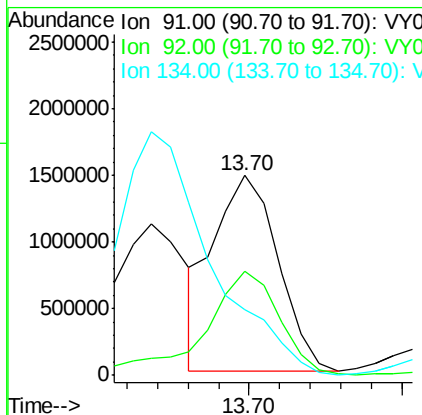
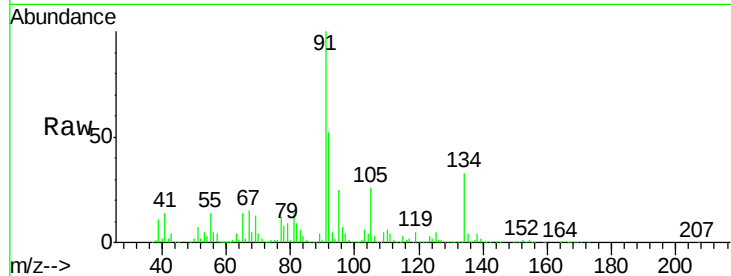
#89
n-Butylbenzene
Concen: 277.783 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY001123.D
Acq: 30 Dec 2019 14:17

Instrument :
MSVOA_Y
ClientSampled :
K500-3

Tot Ion: 91 Resp: 2135020
Ion Ratio Lower Upper
91 100
92 59.6 26.9 80.7
134 0.0 12.7 38.0#

Manual Integrations
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#95
Naphthalene
Concen: 37.071 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001123.D
Acq: 30 Dec 2019 14:17

Tgt Ion: 128 Resp: 204067
Ion Ratio Lower Upper
128 100
127 13.4 9.9 14.9
129 11.5 8.6 13.0

