

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001122.D
 Acq On : 30 Dec 2019 13:55
 Operator : SY/MD
 Sample : K6462-02
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 K500-2

Manual Integrations
 APPROVED

apatel
 12/31/2019 12:07:43 PM

Quant Time: Dec 31 06:12:38 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	265990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	456279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	407362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176578	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	125292	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	7.73	113	132950	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.18	98	546190	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.48	95	191857	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.11	50	5094	1.615	ug/l	89
16) Acetone	3.95	43	5474	9.057	ug/l	89
39) Methylcyclohexane	9.19	83	41153	7.119	ug/l	98
67) Ethyl Benzene	11.59	91	35066	2.307	ug/l	99
68) m/p-Xylenes	11.70	106	268024	46.444	ug/l	100
69) o-Xylene	12.03	106	575335	105.973	ug/l	97
73) Isopropylbenzene	12.33	105	21323	1.560	ug/l	96
78) n-propylbenzene	12.67	91	75267	4.521	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	904842	80.785	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1412517	125.497	ug/l	99
85) sec-Butylbenzene	13.25	105	90247	6.511	ug/l	81
86) p-Isopropyltoluene	13.37	119	79428	6.622	ug/l	99
89) n-Butylbenzene	13.69	91	122853m	10.181	ug/l	

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

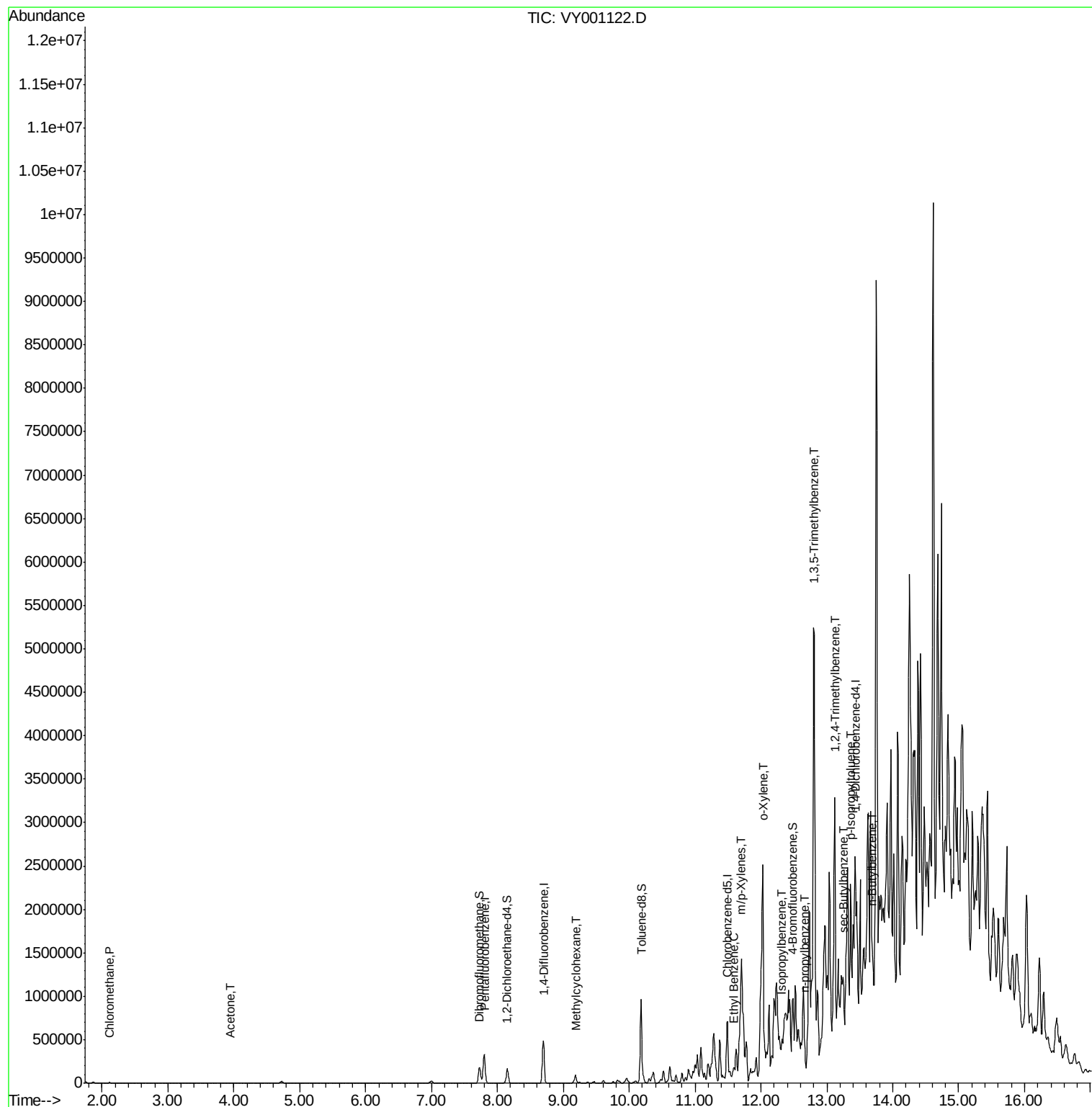
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001122.D
Acq On : 30 Dec 2019 13:55
Operator : SY/MD
Sample : K6462-02
Misc : 5.04G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

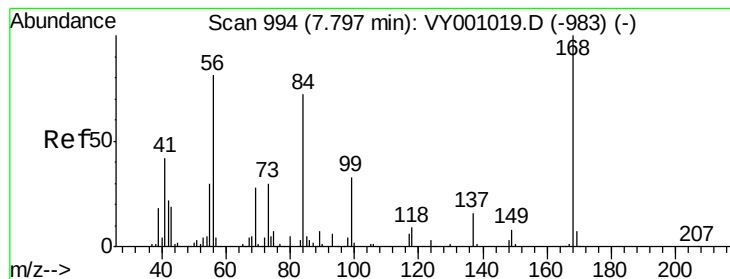
Instrument :
MSVOA_Y
ClientSampleId :
K500-2

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Quant Time: Dec 31 06:12:38 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: VY001122.D

Acq: 30 Dec 2019 13:55

Instrument :

MSVOA_Y

ClientSampleId :

K500-2

Tot Ion:168 Resp: 265990

Ion Ratio Lower Upper

168 100

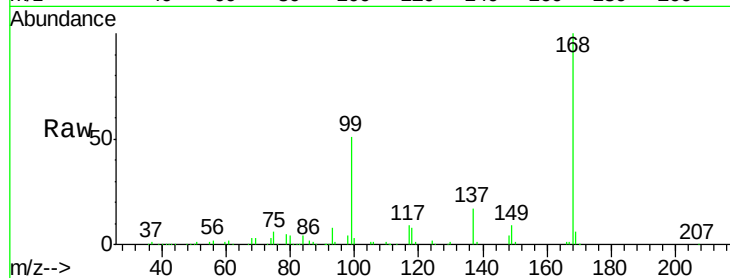
99 51.5 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

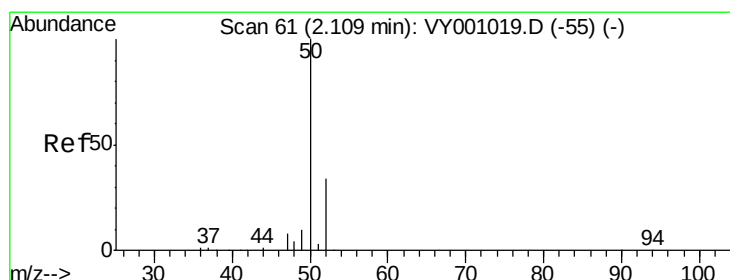
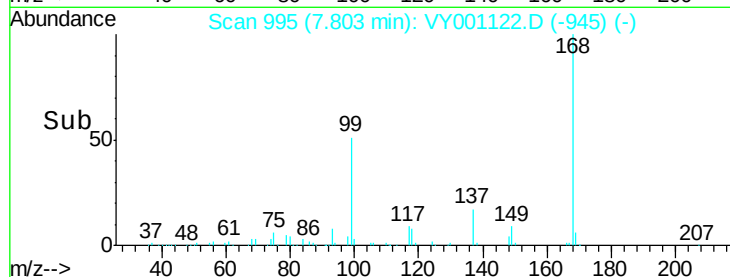
7.80

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.615 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY001122.D

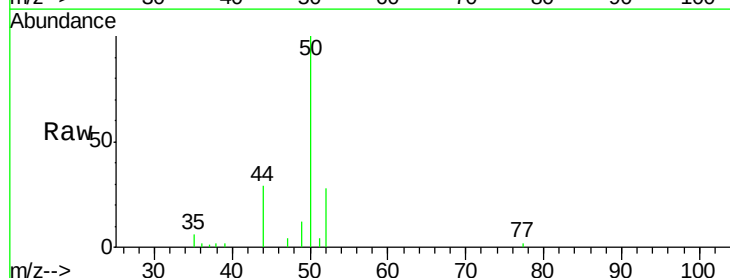
Acq: 30 Dec 2019 13:55

Tgt Ion: 50 Resp: 5094

Ion Ratio Lower Upper

50 100

52 27.8 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

4000

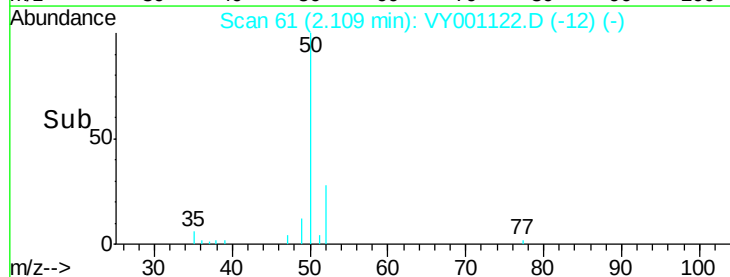
3000

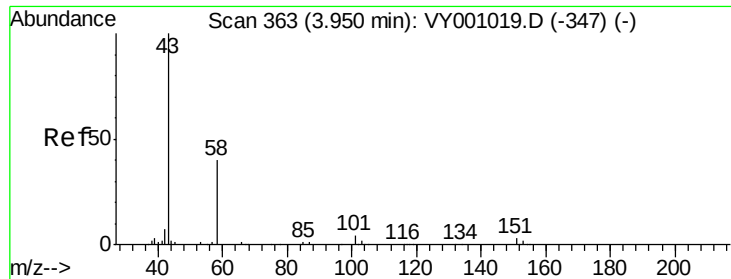
2000

1000

0

Time-->





#16

Acetone

Concen: 9.057 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001122.D

Acq: 30 Dec 2019 13:55

Instrument :

MSVOA_Y

ClientSampled :

K500-2

Tot Ion: 43 Resp: 5474

Ion Ratio Lower Upper

43 100

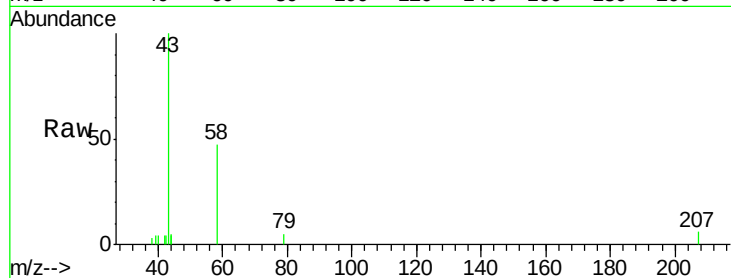
58 46.9 32.1 48.1

Manual Integrations

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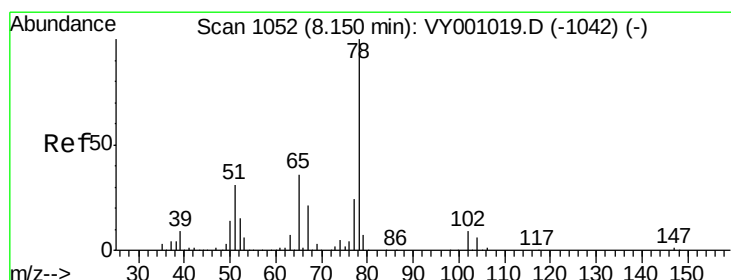
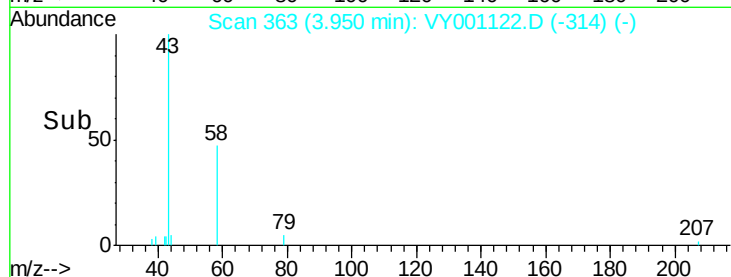
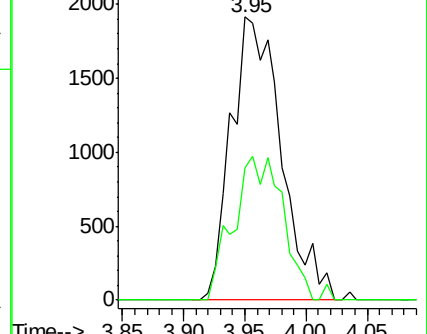
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 47.759 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001122.D

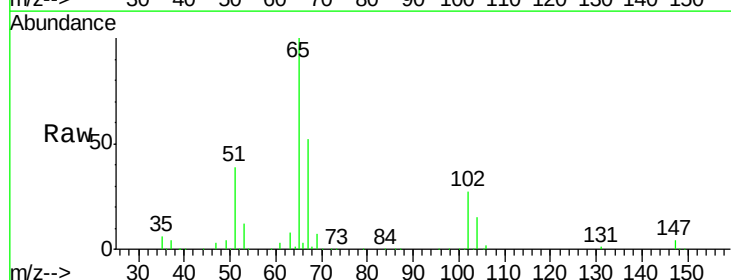
Acq: 30 Dec 2019 13:55

Tgt Ion: 65 Resp: 125292

Ion Ratio Lower Upper

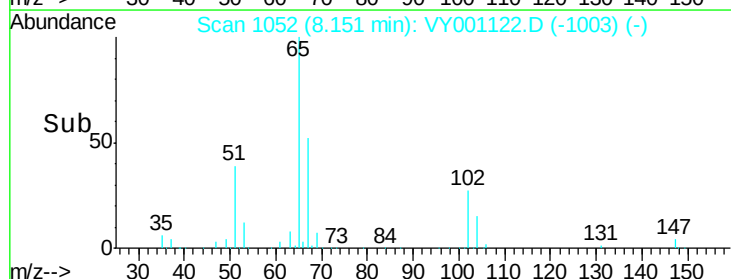
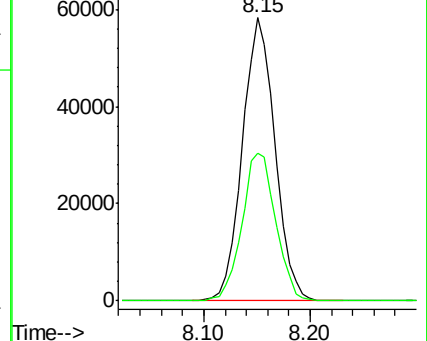
65 100

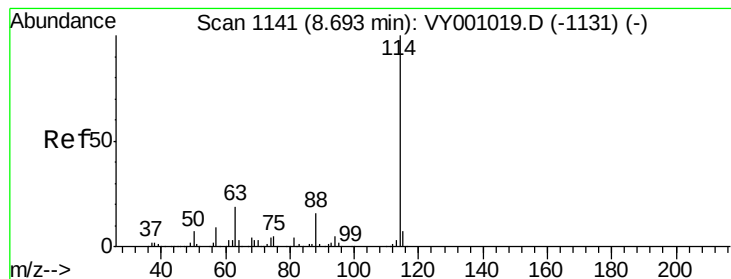
67 54.1 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001122.D

Acq: 30 Dec 2019 13:55

Instrument :

MSVOA_Y

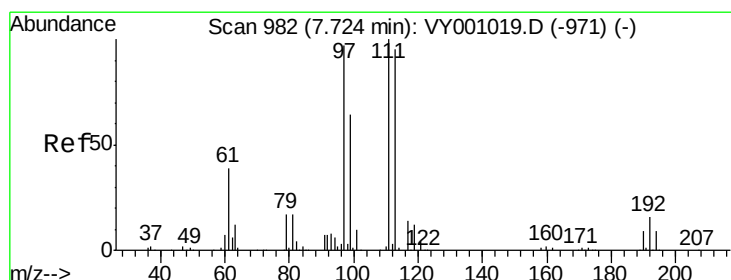
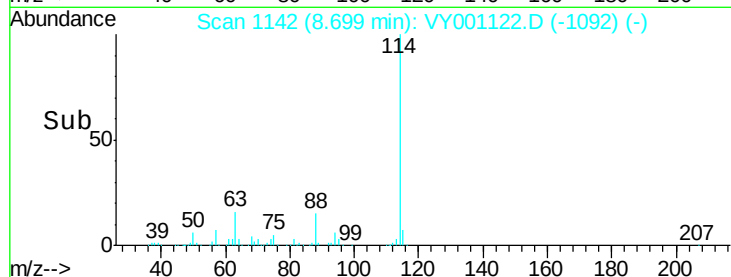
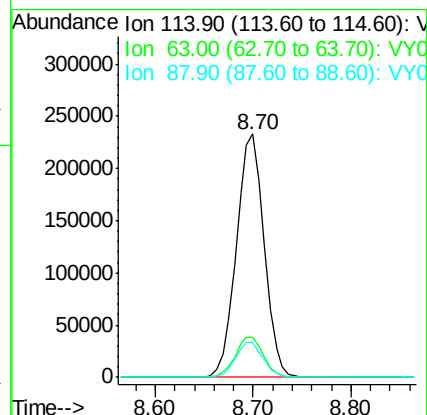
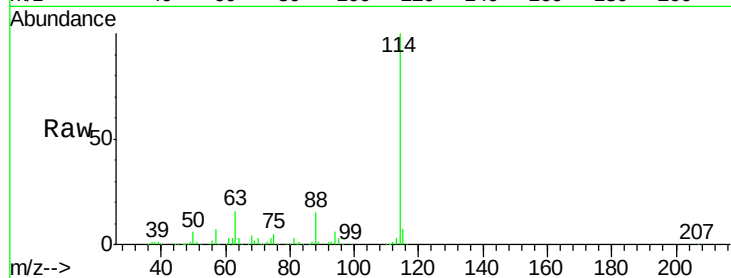
ClientSampleId :

K500-2

Tot Ion:	114	Resp:	456279
Ion Ratio	Lower	Upper	
114	100		
63	16.4	0.0	37.0
88	14.6	0.0	32.0

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#35

Dibromofluoromethane

Concen: 49.482 ug/l

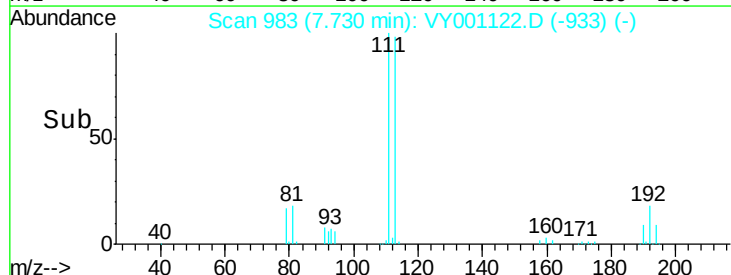
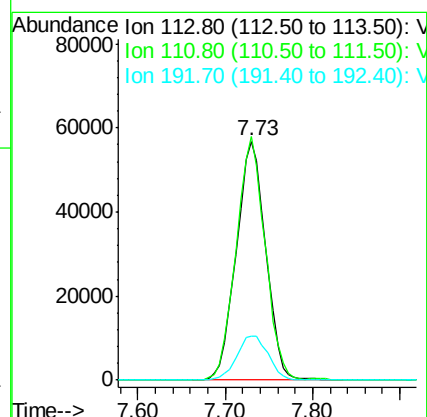
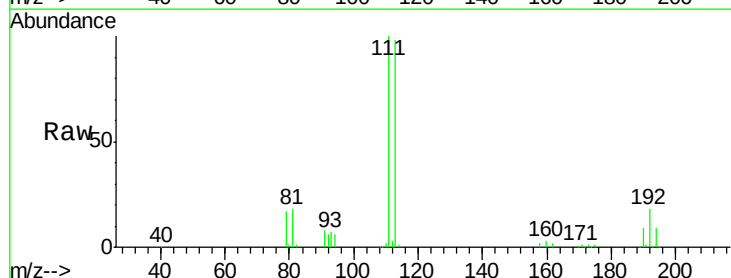
RT: 7.73 min Scan# 983

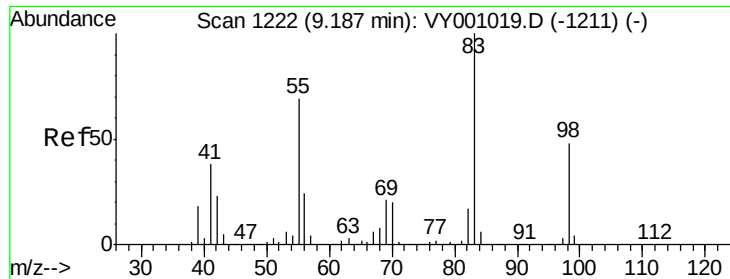
Delta R.T. 0.01 min

Lab File: VY001122.D

Acq: 30 Dec 2019 13:55

Tgt Ion:	113	Resp:	132950
Ion Ratio	Lower	Upper	
113	100		
111	100.3	83.0	124.4
192	19.8	14.6	21.8





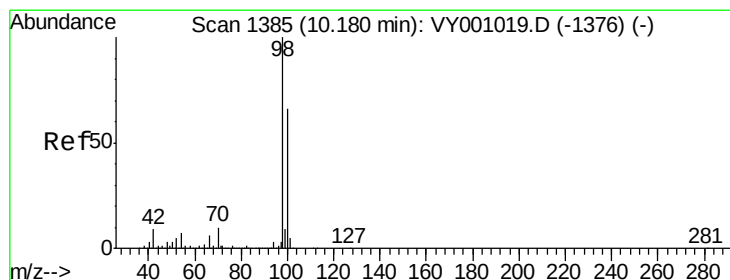
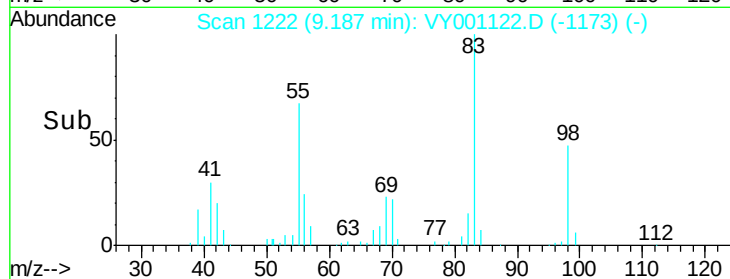
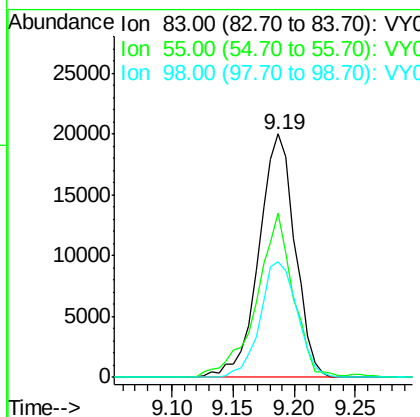
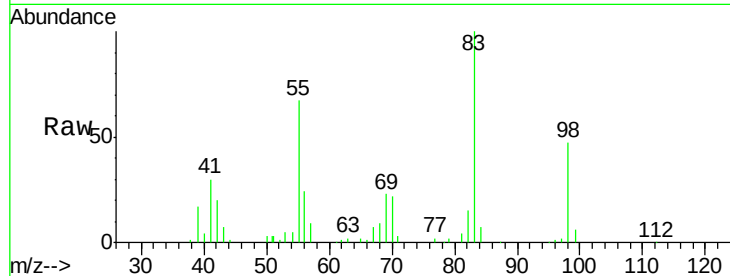
#39
Methylvclclohexane
Concen: 7.119 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001122.D
Acq: 30 Dec 2019 13:55

Instrument :
MSVOA_Y
ClientSampled :
K500-2

Tot Ion	83	Resp	41153
Ion Ratio	100	Lower	Upper
83	100		
55	67.1	55.1	82.7
98	47.4	38.3	57.5

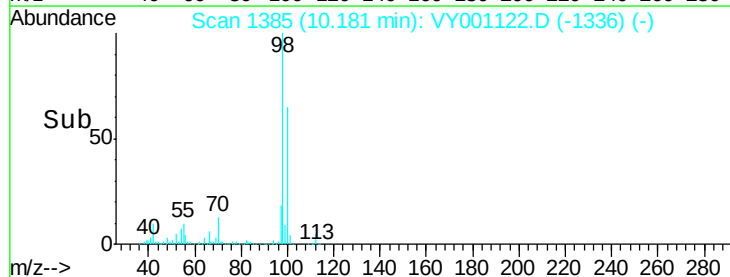
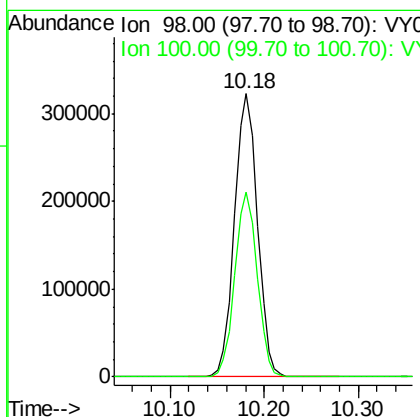
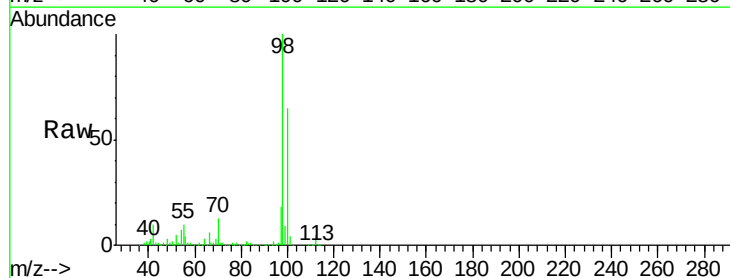
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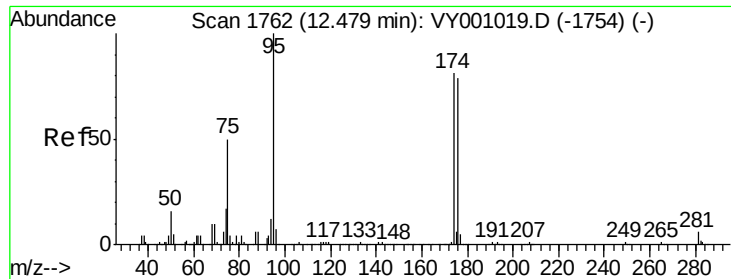
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#50
Toluene-d8
Concen: 52.018 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001122.D
Acq: 30 Dec 2019 13:55

Tgt Ion	98	Resp	546190
Ion Ratio	100	Lower	Upper
98	100		
100	63.9	53.0	79.4





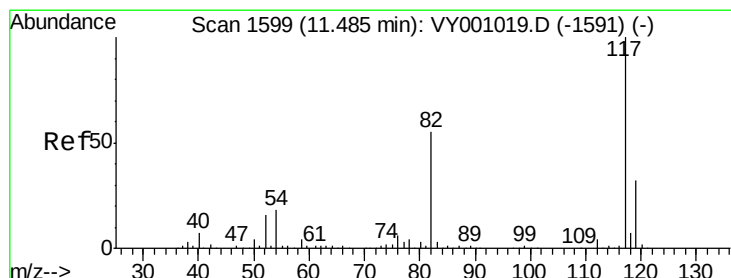
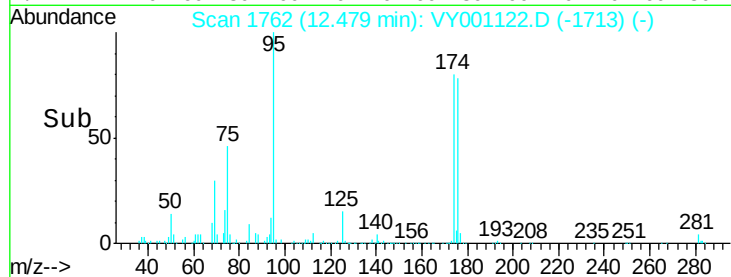
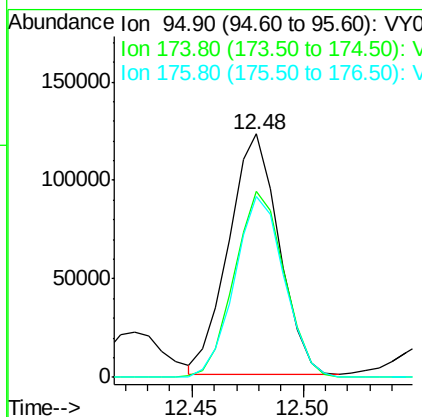
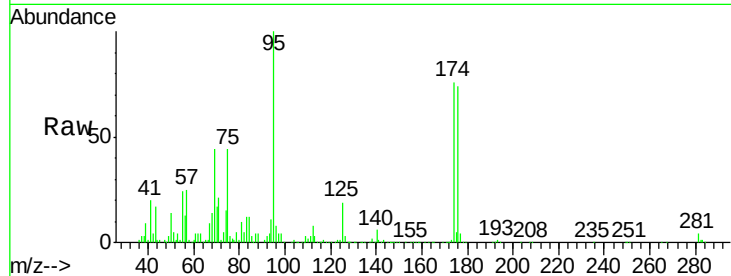
#62
4-Bromofluorobenzene
Concen: 49.976 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001122.D
Acq: 30 Dec 2019 13:55

Instrument :
MSVOA_Y
ClientSampled :
K500-2

Tot Ion	Ratio	Resp	Lower	Upper
95	100	191857		
174	76.8	0.0	156.4	
176	74.2	0.0	155.0	

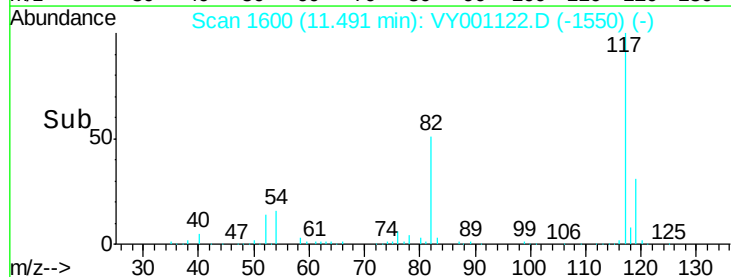
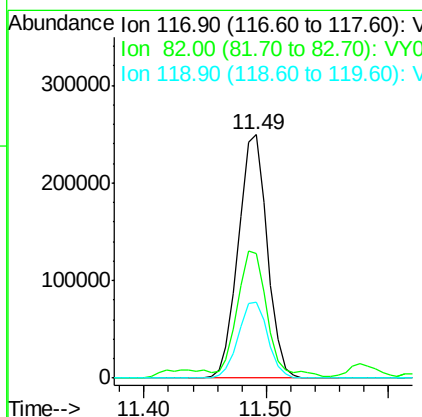
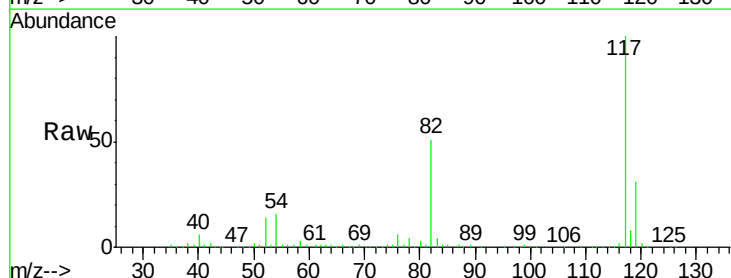
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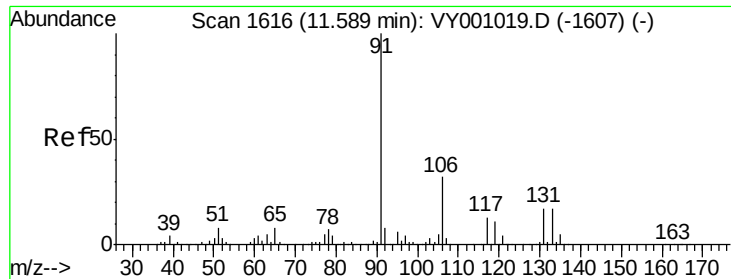
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001122.D
Acq: 30 Dec 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	407362		
82	49.9	43.8	65.8	
119	31.1	25.8	38.6	





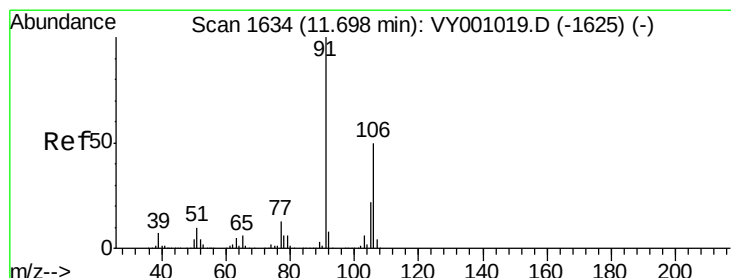
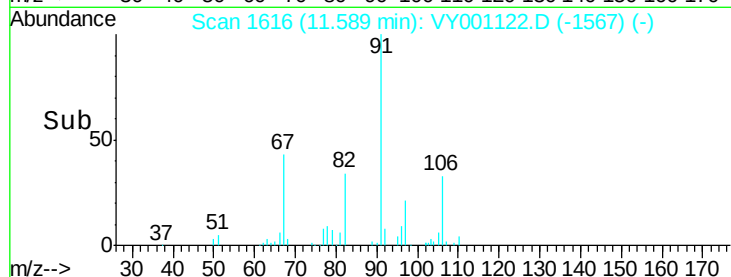
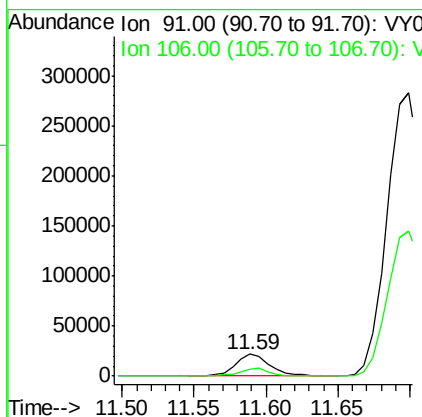
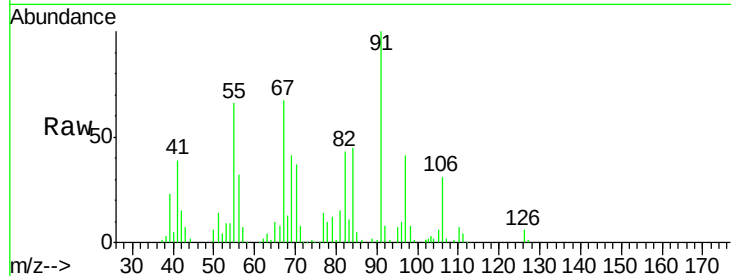
#67
Ethyl Benzene
Concen: 2.307 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001122.D
Acq: 30 Dec 2019 13:55

Instrument :
MSVOA_Y
ClientSampled :
K500-2

Tot Ion: 91 Resp: 35066
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

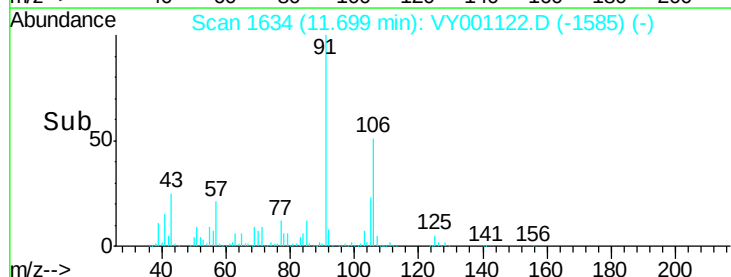
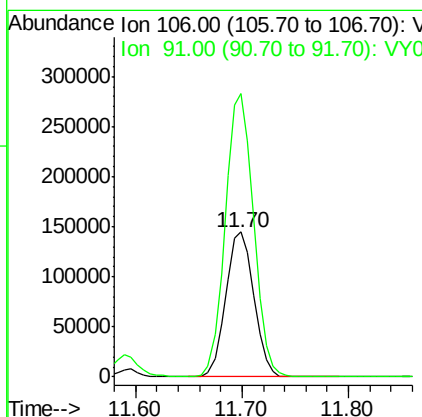
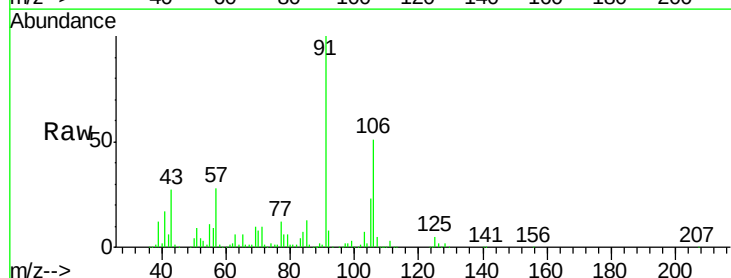
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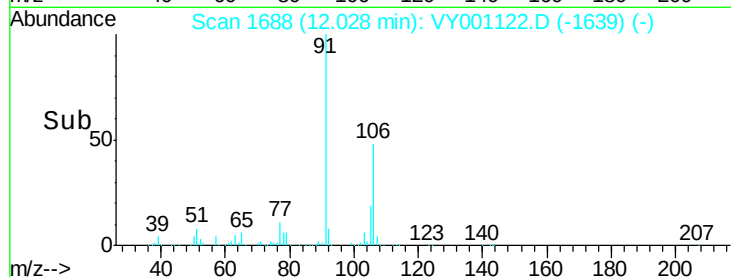
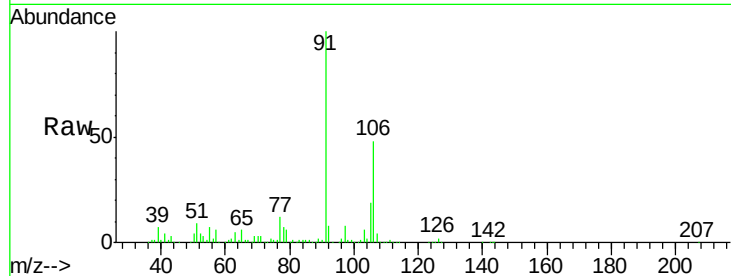
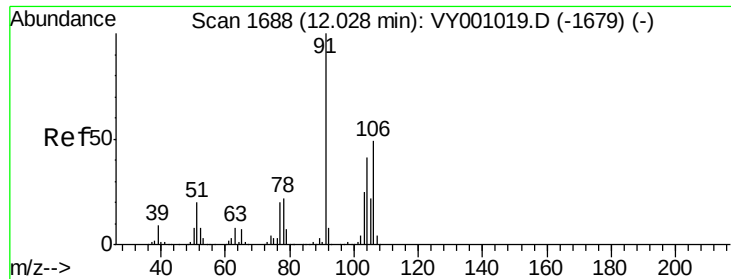
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#68
m/p-Xylenes
Concen: 46.444 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001122.D
Acq: 30 Dec 2019 13:55

Tgt Ion: 106 Resp: 268024
Ion Ratio Lower Upper
106 100
91 195.5 156.4 234.6





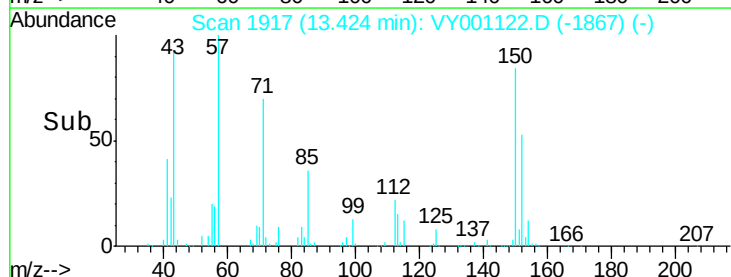
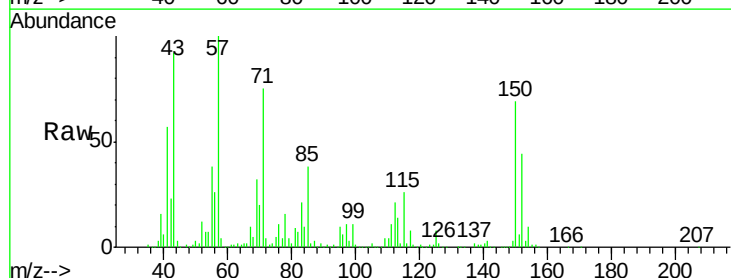
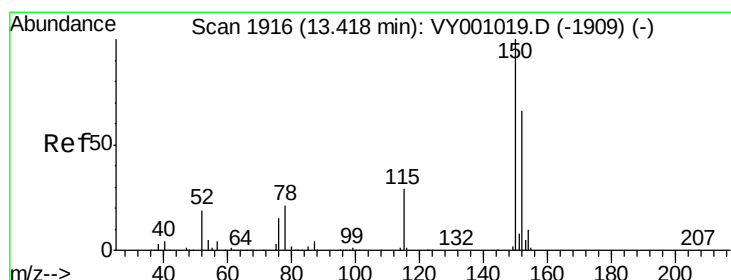
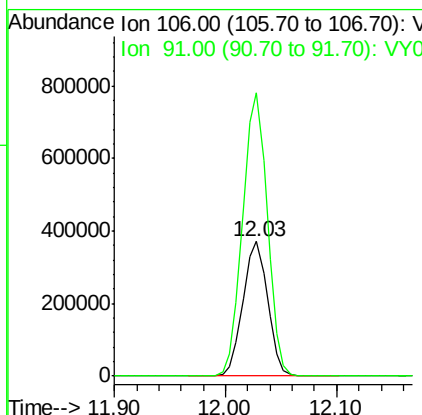
#69
o-Xylene
Concen: 105.973 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001122.D
Acq: 30 Dec 2019 13:55

Tot Ion:106 Resp: 575335
Ion Ratio Lower Upper
106 100
91 210.0 103.0 309.0

Instrument :
MSVOA_Y
ClientSampled :
K500-2

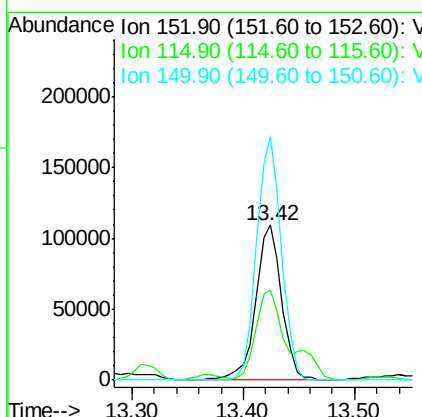
Manual Integrations
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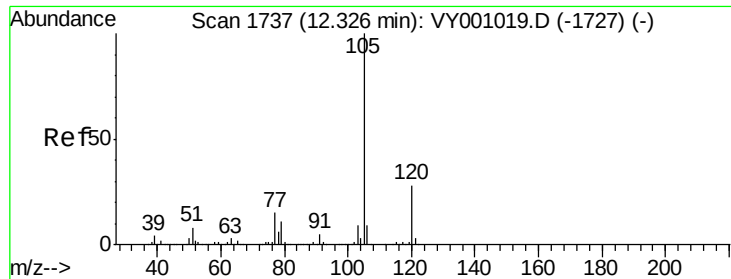
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001122.D
Acq: 30 Dec 2019 13:55

Tgt Ion:152 Resp: 176578
Ion Ratio Lower Upper
152 100
115 72.5 29.8 89.3
150 150.2 0.0 352.6





#73

Isopropylbenzene

Concen: 1.560 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001122.D

Acq: 30 Dec 2019 13:55

Instrument :

MSVOA_Y

ClientSampled :

K500-2

Tot Ion: 105 Resp: 21323

Ion Ratio Lower Upper

105 100

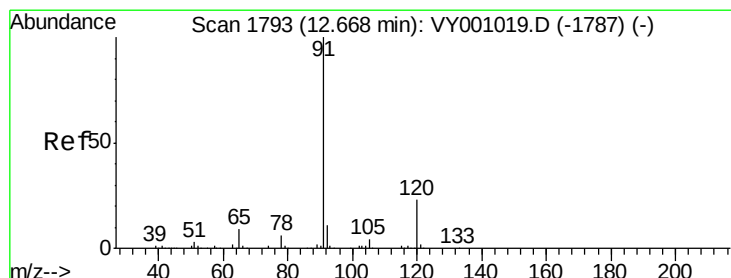
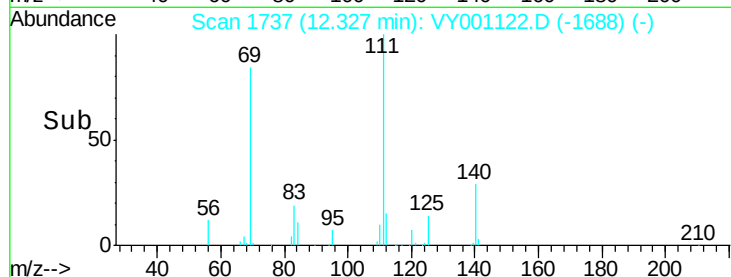
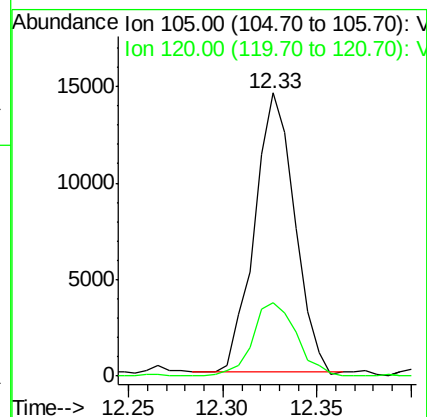
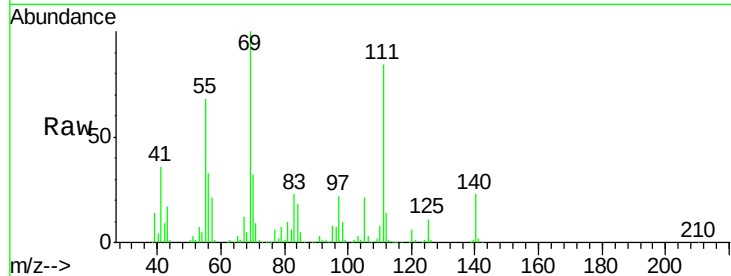
120 28.9 13.4 40.2

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#78

n-propylbenzene

Concen: 4.521 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001122.D

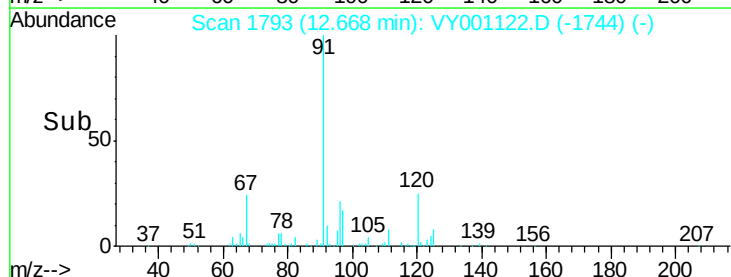
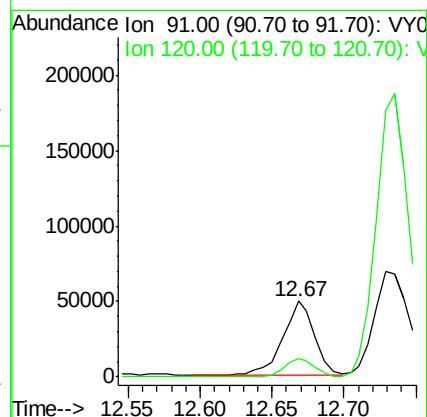
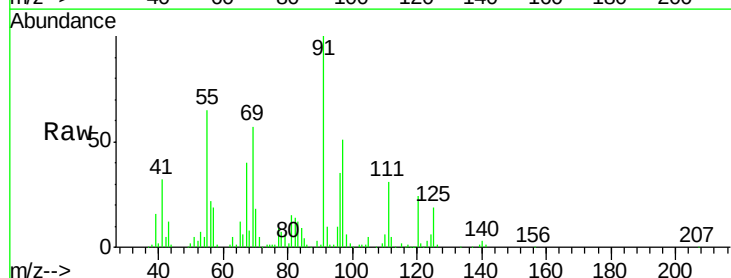
Acq: 30 Dec 2019 13:55

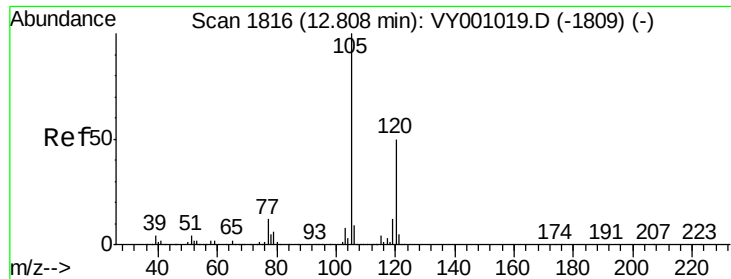
Tgt Ion: 91 Resp: 75267

Ion Ratio Lower Upper

91 100

120 24.5 11.4 34.2





#80

1,3,5-Trimethylbenzene

Concen: 80.785 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001122.D

Acq: 30 Dec 2019 13:55

Instrument :

MSVOA_Y

ClientSampled :

K500-2

Tot Ion:105 Resp: 904842

Ion Ratio Lower Upper

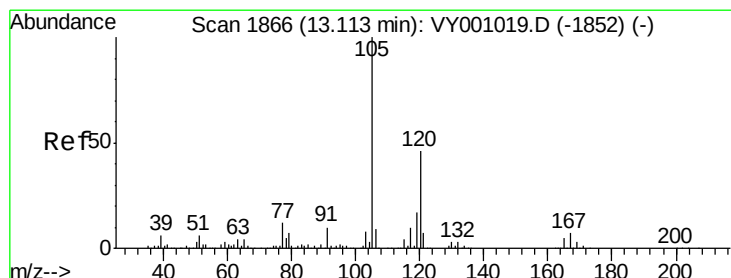
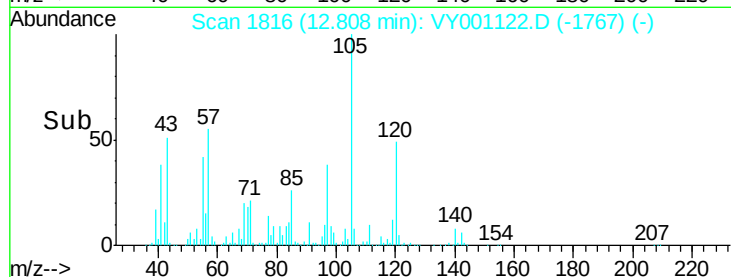
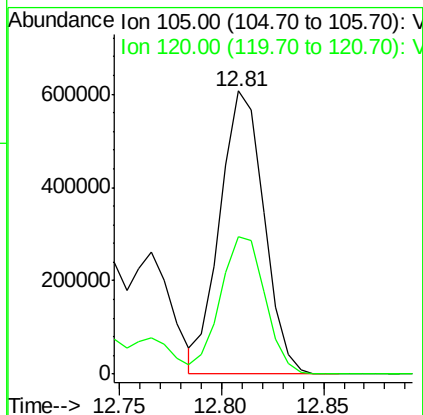
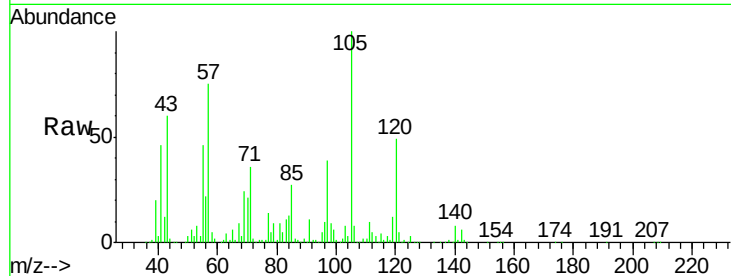
105 100

120 49.6 25.1 75.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 125.497 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.01 min

Lab File: VY001122.D

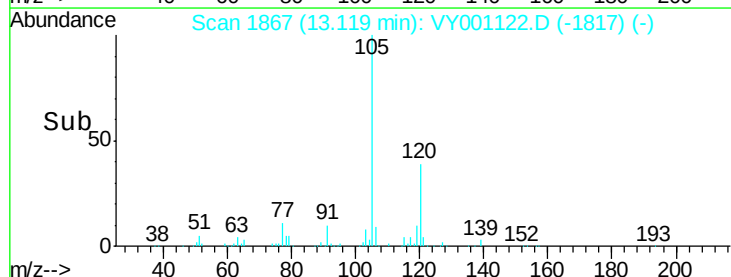
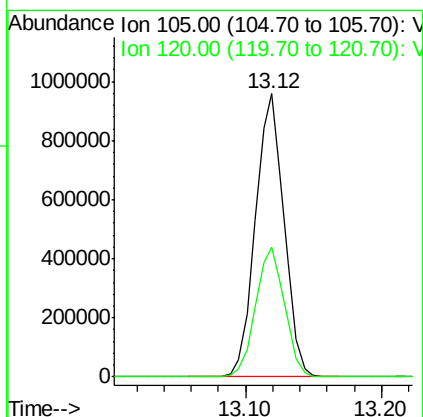
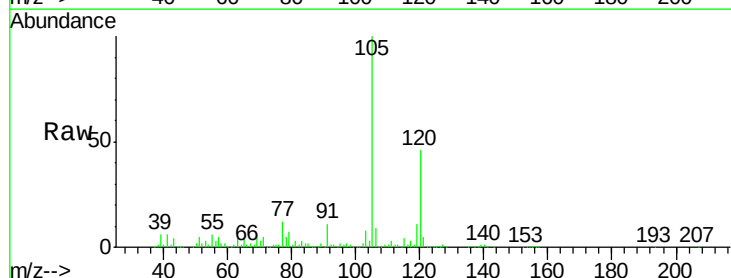
Acq: 30 Dec 2019 13:55

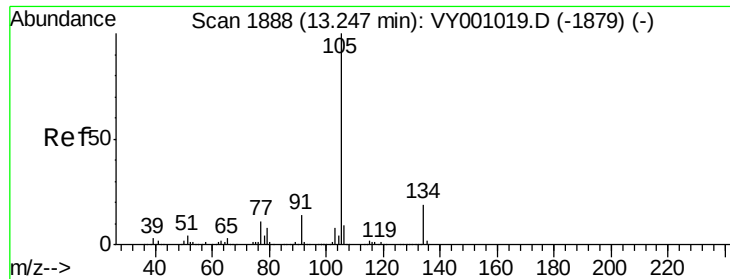
Tgt Ion:105 Resp: 1412517

Ion Ratio Lower Upper

105 100

120 46.4 23.4 70.2





#85

sec-Butylbenzene

Concen: 6.511 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001122.D

Acq: 30 Dec 2019 13:55

Instrument :

MSVOA_Y

ClientSampled :

K500-2

Tot Ion:105 Resp: 90247

Ion Ratio Lower Upper

105 100

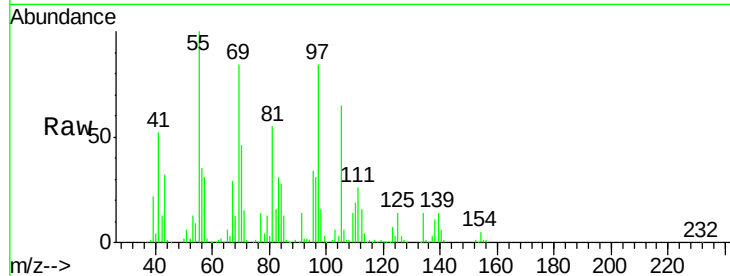
134 28.8 10.0 30.0

Manual Integrations

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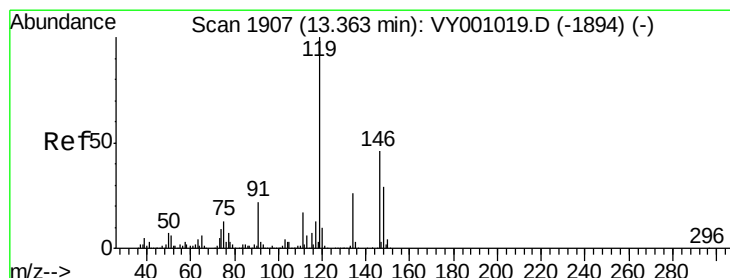
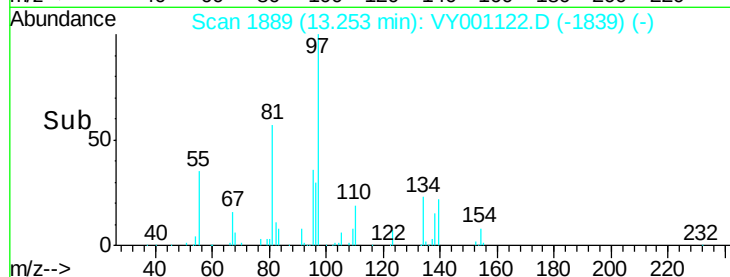
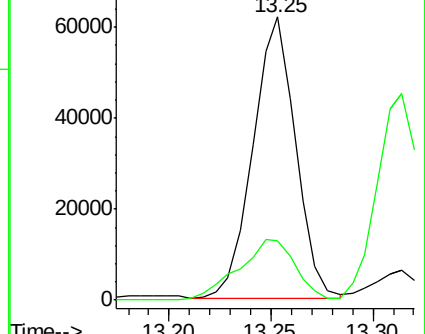
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.622 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001122.D

Acq: 30 Dec 2019 13:55

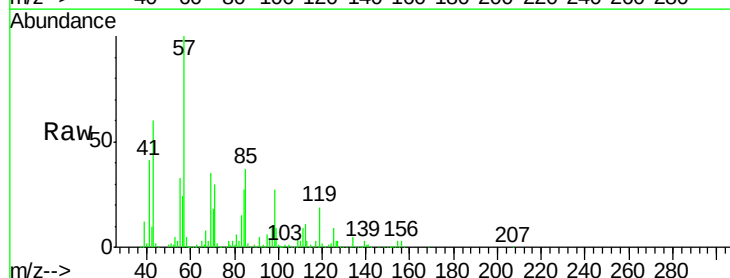
Tgt Ion:119 Resp: 79428

Ion Ratio Lower Upper

119 100

134 28.0 13.6 40.7

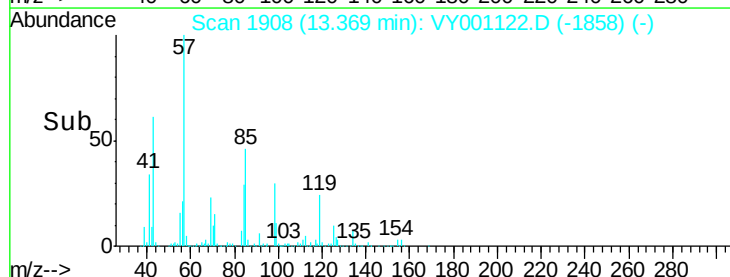
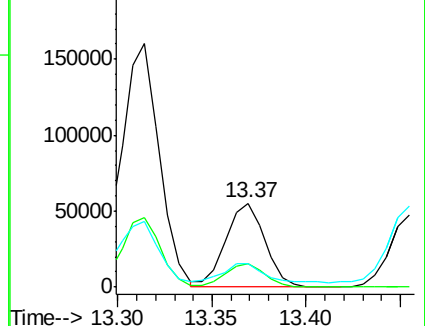
91 22.8 11.4 34.1

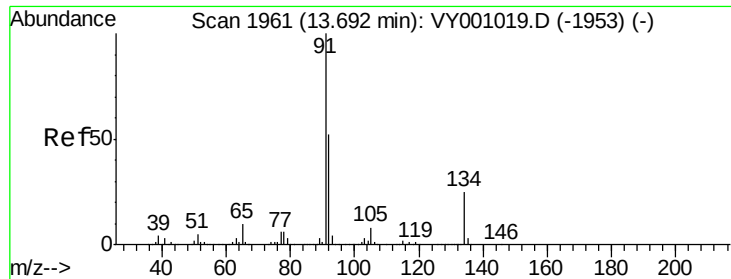


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#89
 n-Butylbenzene
 Concen: 10.181 ug/l m
 RT: 13.69 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VY001122.D
 Acq: 30 Dec 2019 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 K500-2

Tot Ion	Ratio	Resp	Lower	Upper
91	100	122853		
92	19.4		26.9	80.7#
134	405.8		12.7	38.0#

Manual Integrations
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