

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002343.D
 Acq On : 15 Apr 2020 17:34
 Operator : SY/MD
 Sample : L2281-02
 Misc : 5.66G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 10:31:45 AM

Quant Time: Apr 16 09:04:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	146899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	295535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	249217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	71193	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	86059	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	7.73	113	86672	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	10.19	98	422944	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
62) 4-Bromofluorobenzene	12.49	95	119162	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
Target Compounds						
16) Acetone	3.96	43	12674	29.456	ug/l	100
25) 2-Butanone	7.00	43	4786	7.029	ug/l #	87
39) Methylcyclohexane	9.19	83	466985	117.931	ug/l	96
52) Toluene	10.25	92	39102	7.346	ug/l	99
67) Ethyl Benzene	11.60	91	120765m	12.734	ug/l	
68) m/p-Xylenes	11.71	106	1986100	559.132	ug/l	98
69) o-Xylene	12.03	106	1480187	443.852	ug/l	99
73) Isopropylbenzene	12.34	105	52538	9.394	ug/l	98
78) n-propylbenzene	12.68	91	140774	20.238	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.82	105	6499313	1405.086	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	9687018	2097.223	ug/l	97
85) sec-Butylbenzene	13.26	105	124677m	21.601	ug/l	
86) p-Isopropyltoluene	13.38	119	278495	56.063	ug/l	98
95) Naphthalene	15.25	128	460502	148.491	ug/l	98

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

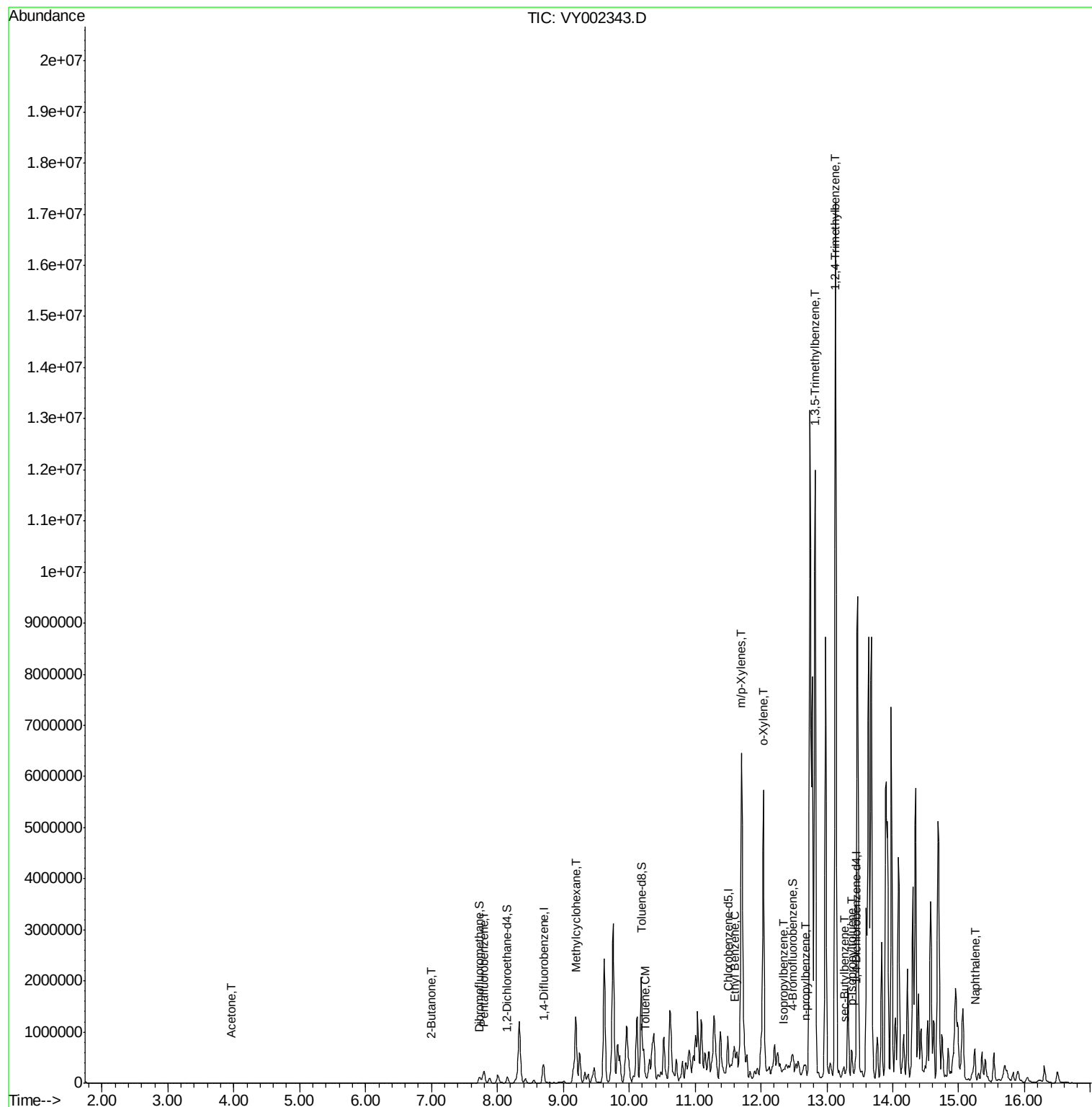
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
Data File : VY002343.D
Acq On : 15 Apr 2020 17:34
Operator : SY/MD
Sample : L2281-02
Misc : 5.66G/5ML/MSVOA Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

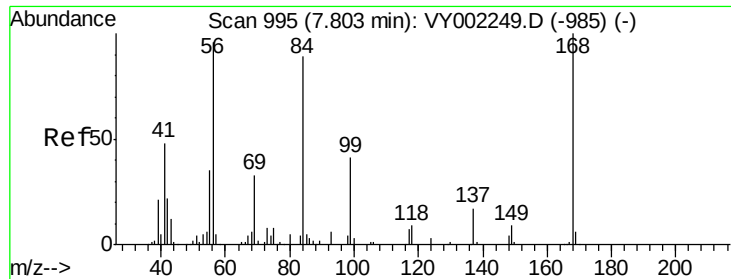
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

Quant Time: Apr 16 09:04:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002343.D

Acq: 15 Apr 2020 17:34

Instrument :

MSVOA_Y

ClientSampled :

TP-38

Tot Ion:168 Resp: 146899

Ion Ratio Lower Upper

168 100

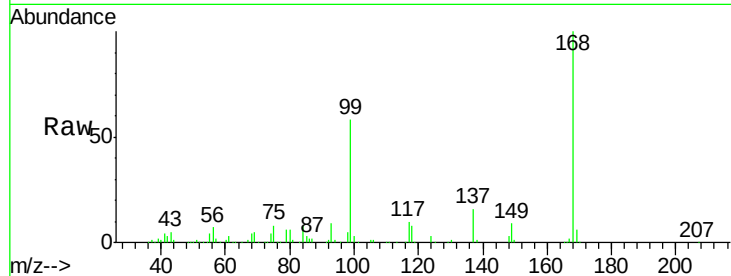
99 57.9 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

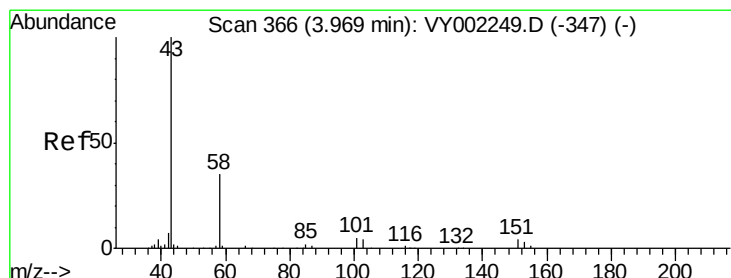
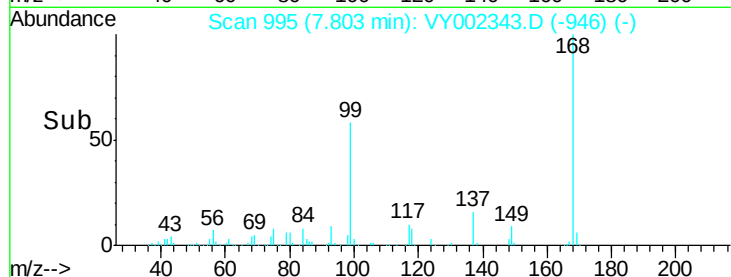
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 29.456 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002343.D

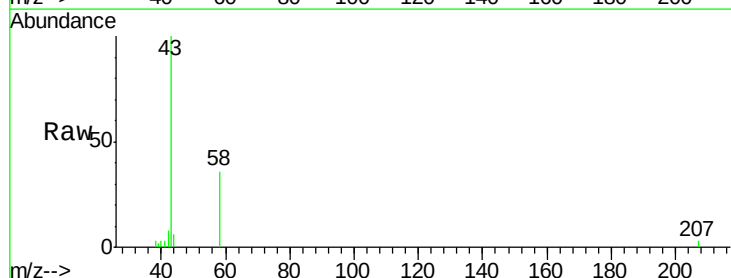
Acq: 15 Apr 2020 17:34

Tgt Ion: 43 Resp: 12674

Ion Ratio Lower Upper

43 100

58 35.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

3.96

5000

4000

3000

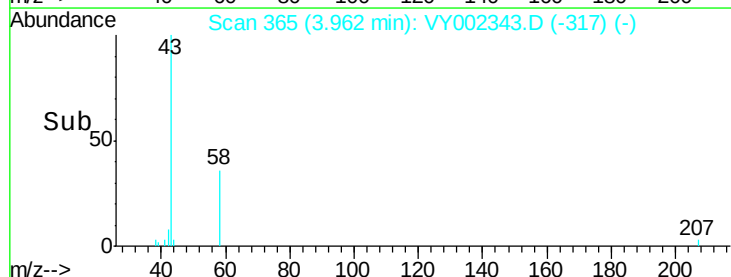
2000

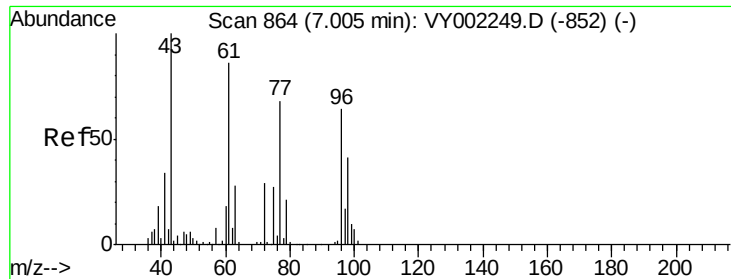
1000

0

3.90 4.00 4.10

Time-->





#25

2-Butanone

Concen: 7.029 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002343.D

Acq: 15 Apr 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

TP-38

Tot Ion: 43 Resp: 4786

Ion Ratio Lower Upper

43 100

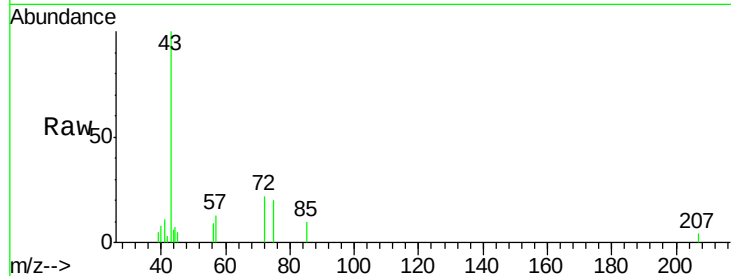
72 22.1 23.2 34.8#

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

2000

1500

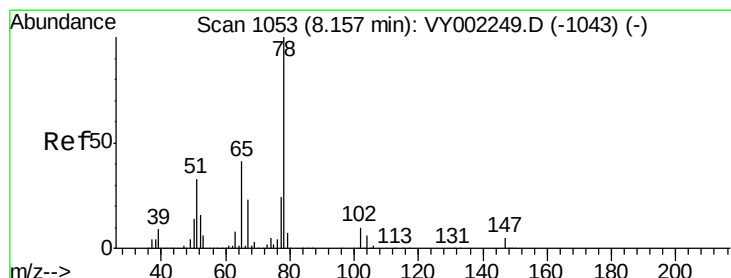
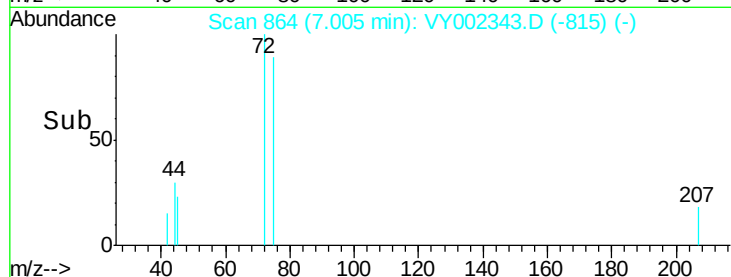
1000

500

0

6.90 7.00 7.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.680 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002343.D

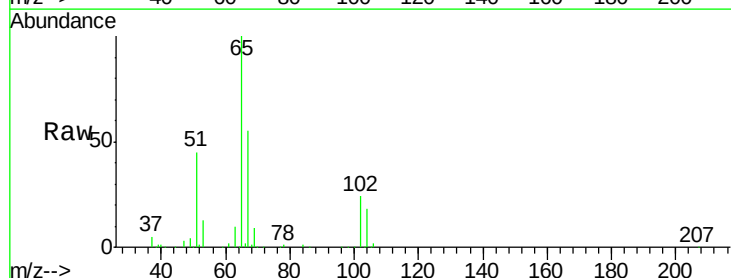
Acq: 15 Apr 2020 17:34

Tgt Ion: 65 Resp: 86059

Ion Ratio Lower Upper

65 100

67 57.9 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

40000

30000

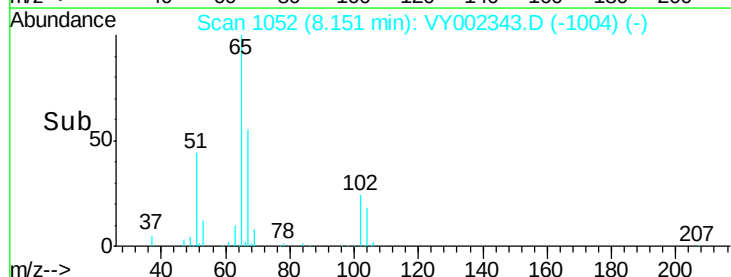
20000

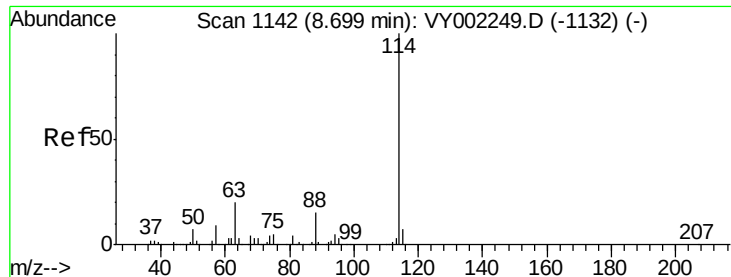
10000

0

8.05 8.10 8.15 8.20 8.25

Time-->





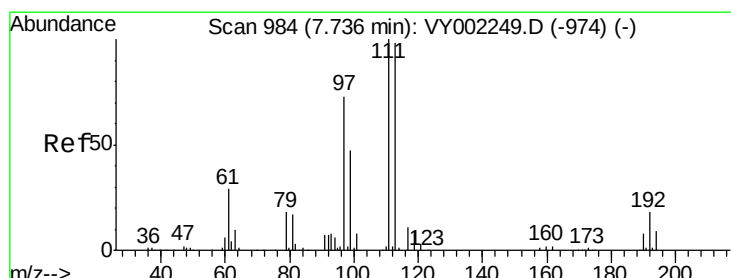
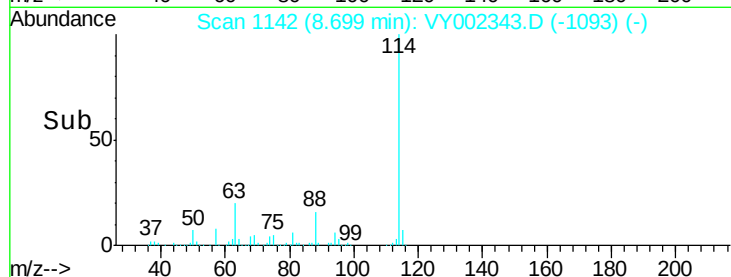
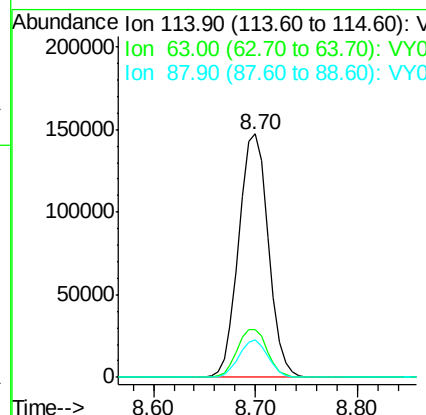
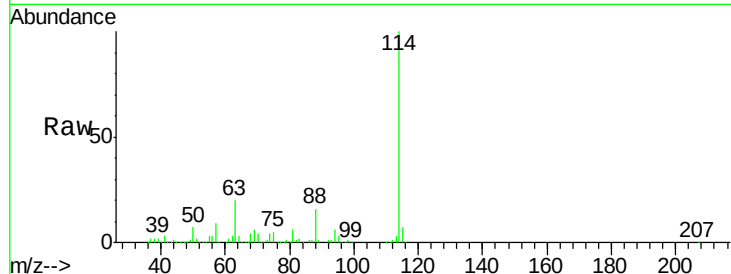
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY002343.D
 Acq: 15 Apr 2020 17:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Tot Ion	Ratio	Resp	Lower	Upper
114	100	295535		
63	19.7		0.0	39.0
88	15.7		0.0	31.0

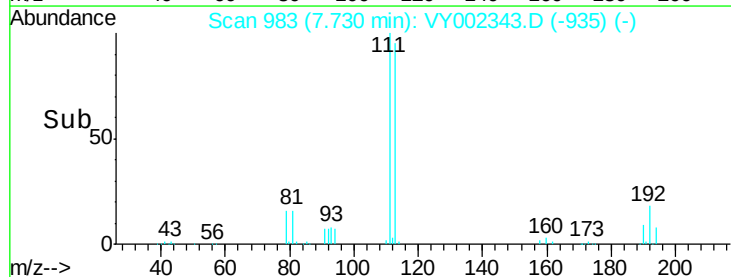
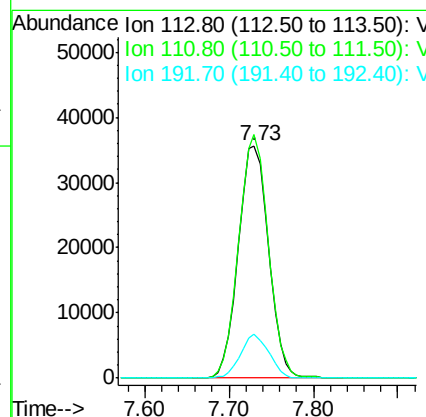
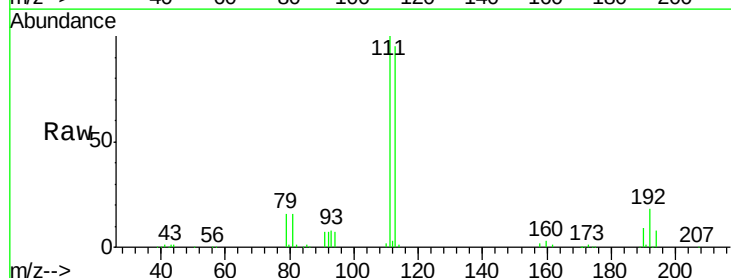
Manual Integrations
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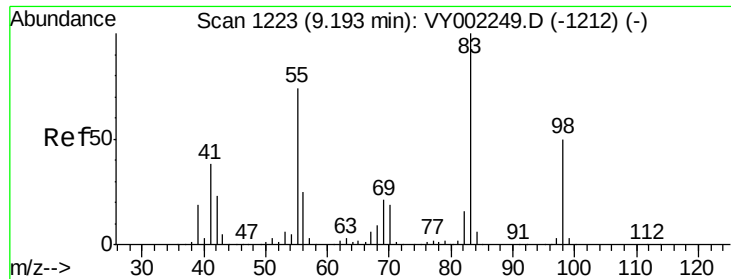
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#35
 Dibromofluoromethane
 Concen: 49.287 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002343.D
 Acq: 15 Apr 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	86672		
111	102.3		83.5	125.3
192	17.7		14.7	22.1





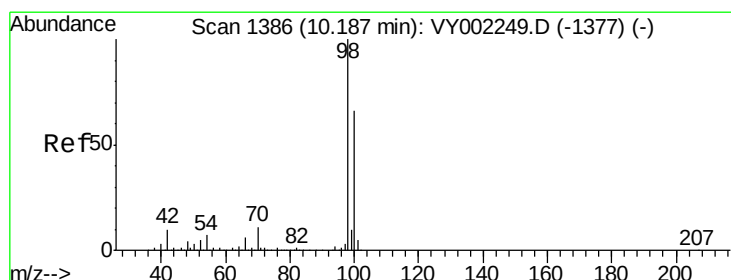
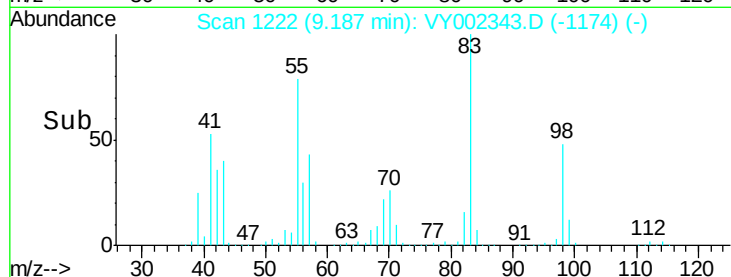
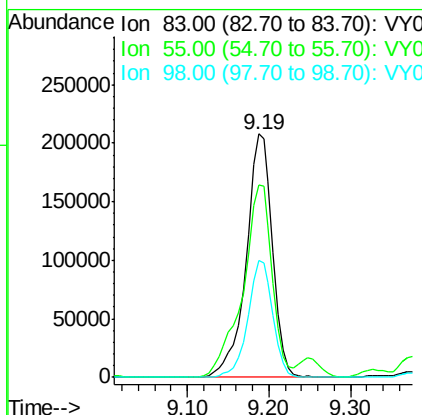
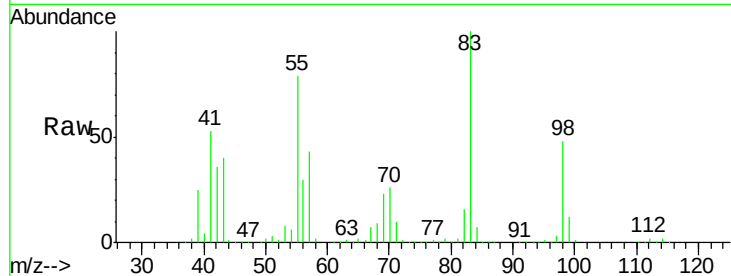
#39
Methylvlcyclohexane
Concen: 117.931 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002343.D
Acq: 15 Apr 2020 17:34

Instrument :
MSVOA_Y
ClientSampleId :
TP-38

Tot Ion	Ratio	Resp	Lower	Upper
83	100	466985		
55	78.9	59.3	88.9	
98	48.2	39.6	59.4	

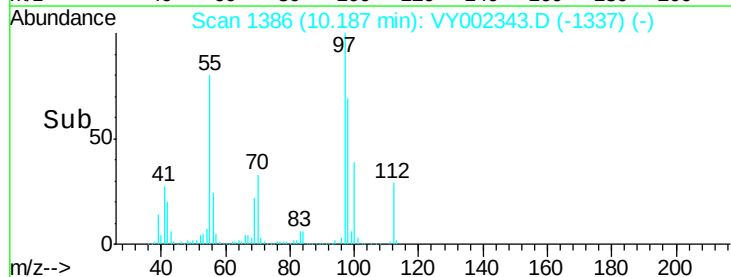
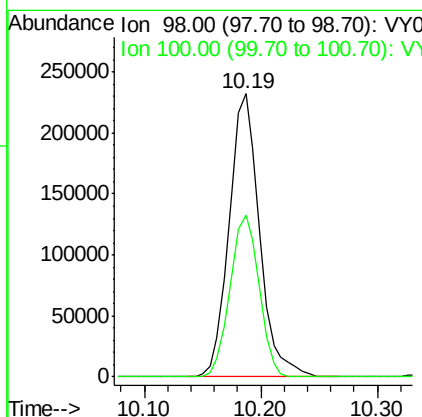
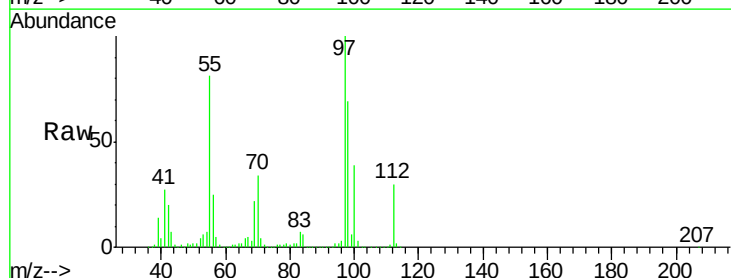
Manual Integrations
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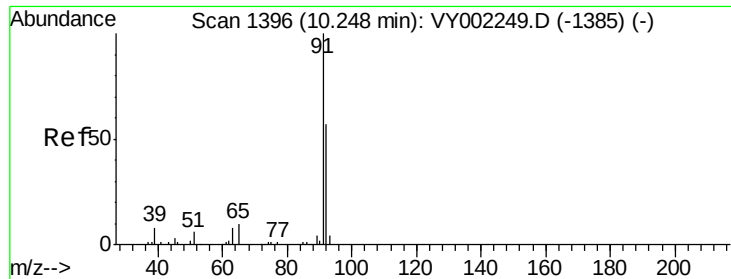
MMDadoda
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#50
Toluene-d8
Concen: 57.461 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002343.D
Acq: 15 Apr 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	422944		
100	54.5	52.6	78.8	





#52

Toluene

Concen: 7.346 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY002343.D

Acq: 15 Apr 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

TP-38

Tot Ion: 92 Resp: 39102

Ion Ratio Lower Upper

92 100

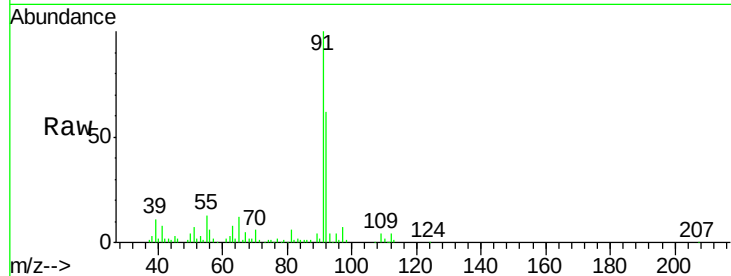
91 174.8 139.0 208.6

Manual Integrations

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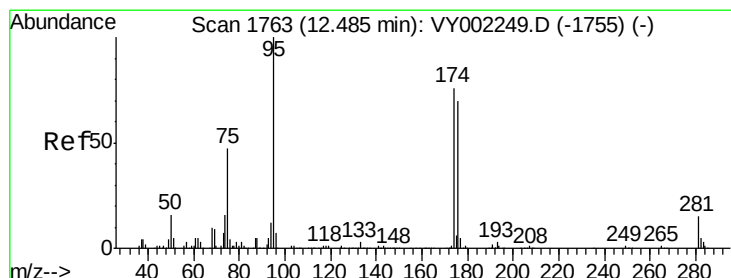
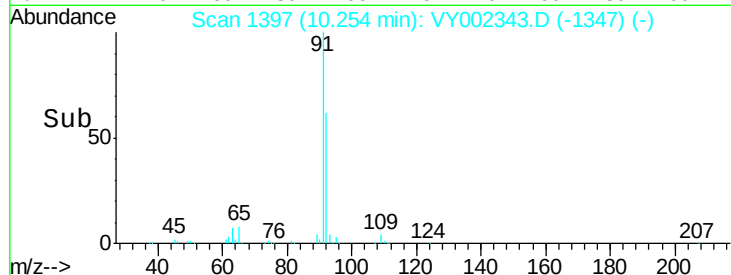
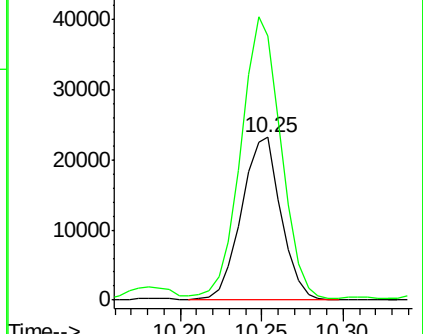
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Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



#62

4-Bromofluorobenzene

Concen: 49.072 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002343.D

Acq: 15 Apr 2020 17:34

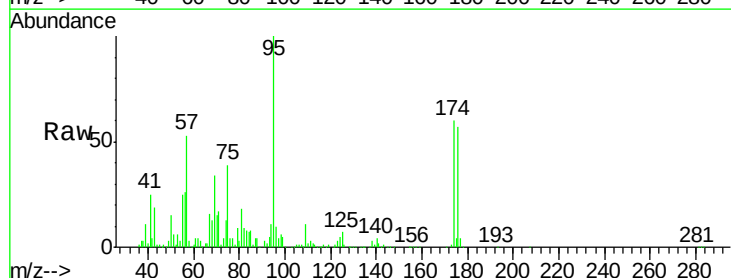
Tgt Ion: 95 Resp: 119162

Ion Ratio Lower Upper

95 100

174 58.2 0.0 150.6

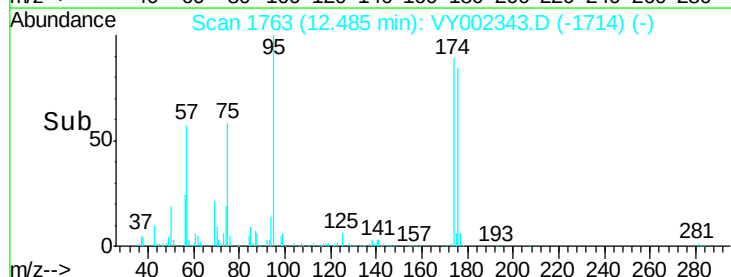
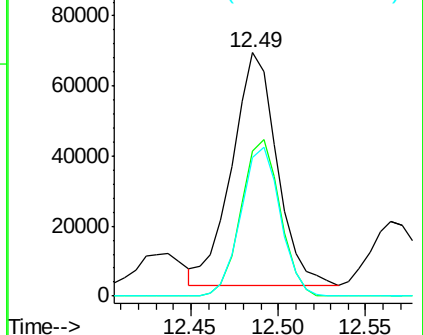
176 56.0 0.0 141.4

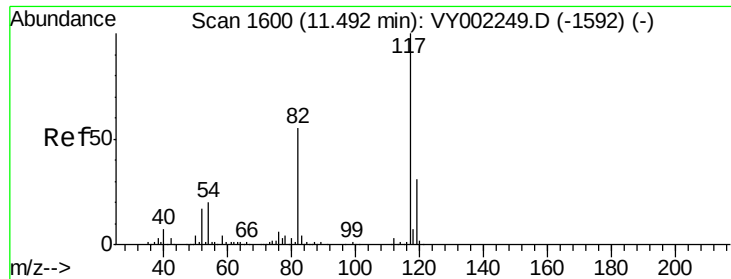


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





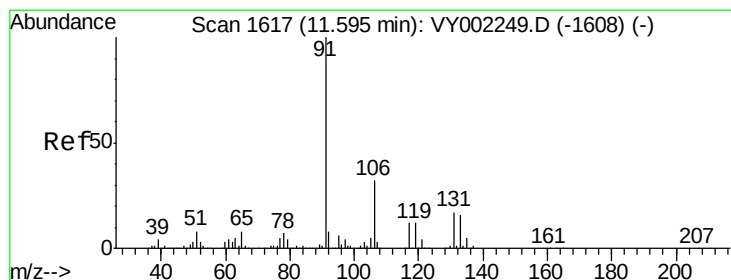
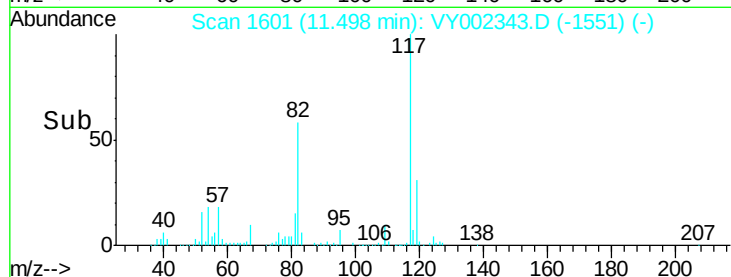
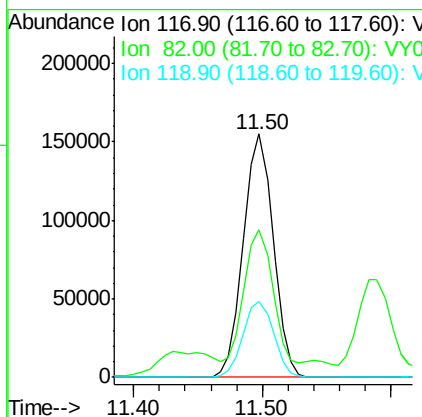
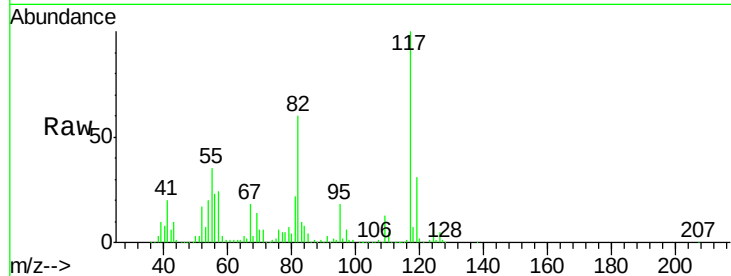
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002343.D
Acq: 15 Apr 2020 17:34

Instrument :
MSVOA_Y
ClientSampled :
TP-38

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249217		
82	55.4		44.2	66.4
119	31.2		25.1	37.7

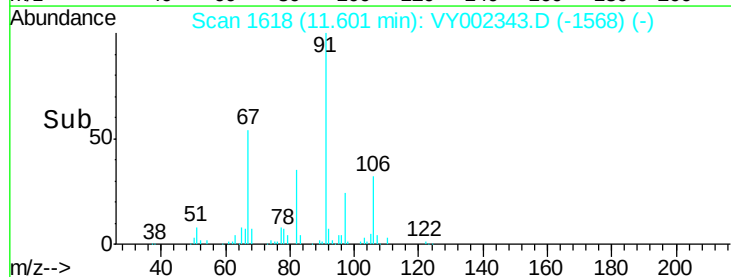
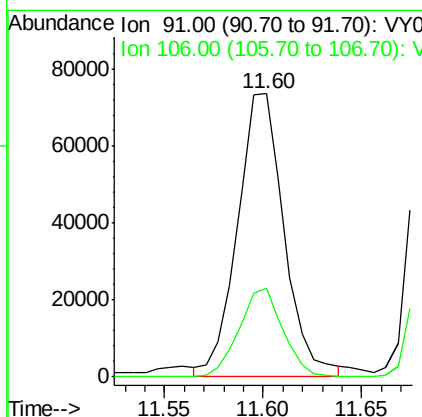
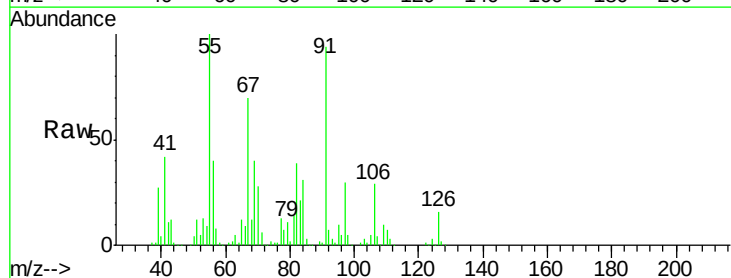
Manual Integrations
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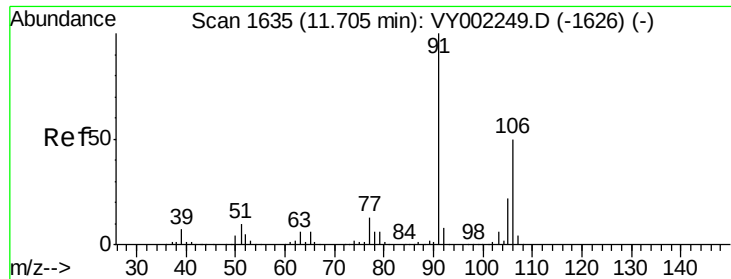
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#67
Ethyl Benzene
Concen: 12.734 ug/l m
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002343.D
Acq: 15 Apr 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	120765		
106	31.2		25.4	38.0





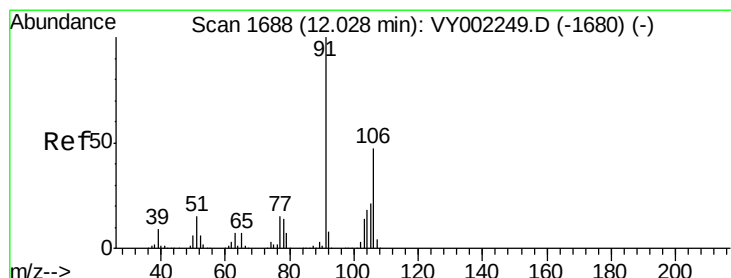
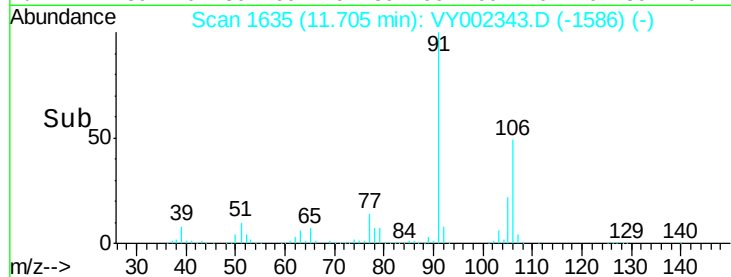
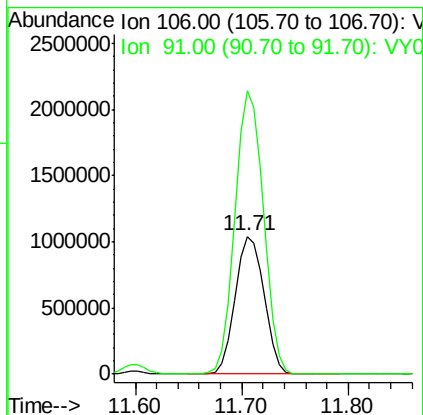
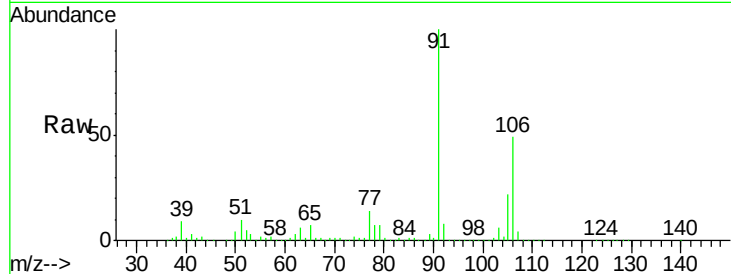
#68
m/p-Xylenes
Concen: 559.132 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY002343.D
Acq: 15 Apr 2020 17:34

Instrument :
MSVOA_Y
ClientSampled :
TP-38

Tot Ion:106 Resp: 1986100
Ion Ratio Lower Upper
106 100
91 202.8 159.8 239.6

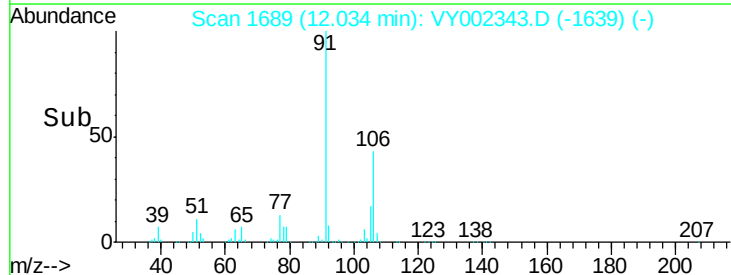
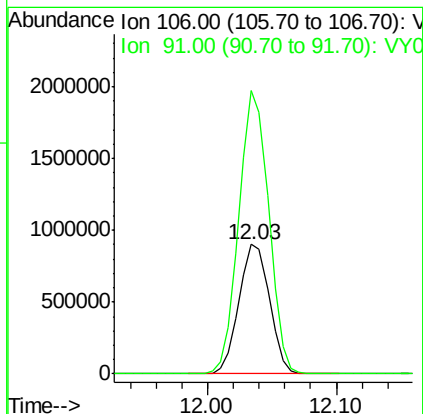
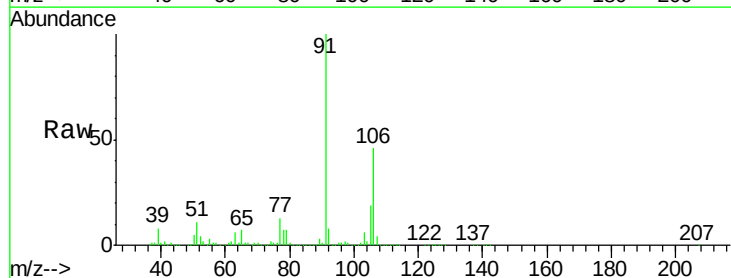
Manual Integrations
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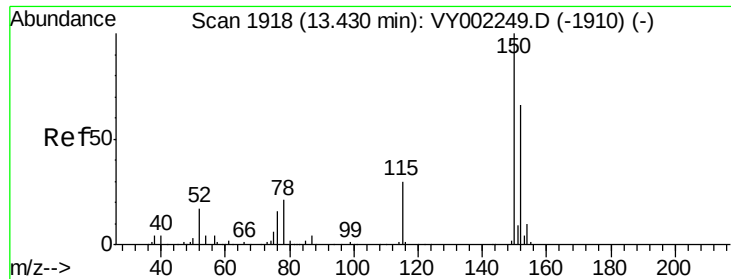
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#69
o-Xylene
Concen: 443.852 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002343.D
Acq: 15 Apr 2020 17:34

Tgt Ion:106 Resp: 1480187
Ion Ratio Lower Upper
106 100
91 213.7 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002343.D

Acq: 15 Apr 2020 17:34

Instrument :

MSVOA_Y

ClientSampled :

TP-38

Tot Ion:152 Resp: 71193

Ion Ratio Lower Upper

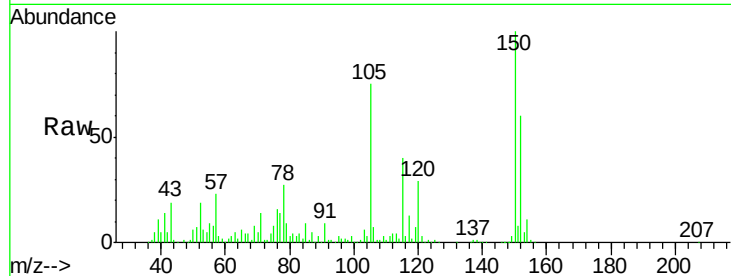
152 100

115 0.0 30.7 92.1#

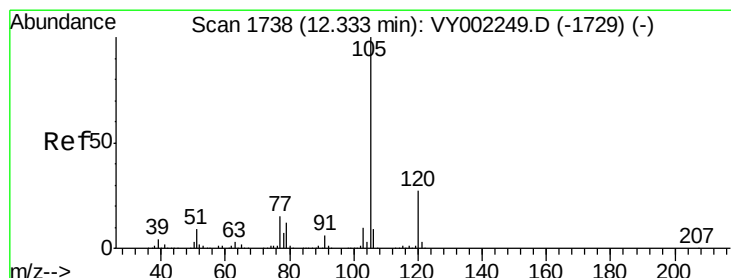
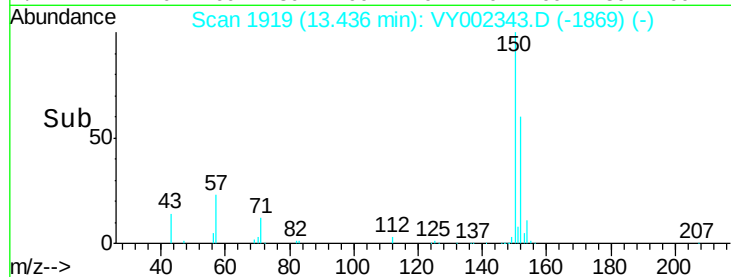
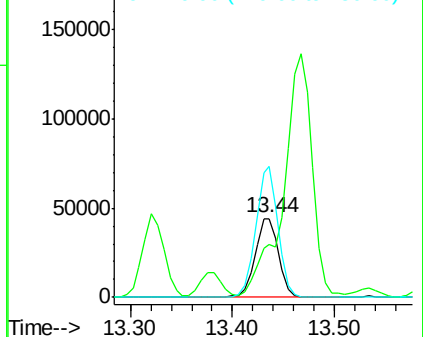
150 156.4 0.0 350.6

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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: 9.394 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY002343.D

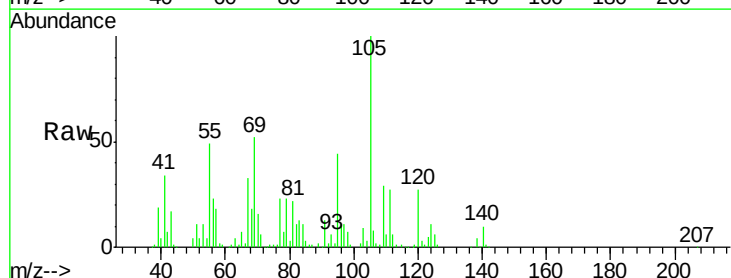
Acq: 15 Apr 2020 17:34

Tgt Ion:105 Resp: 52538

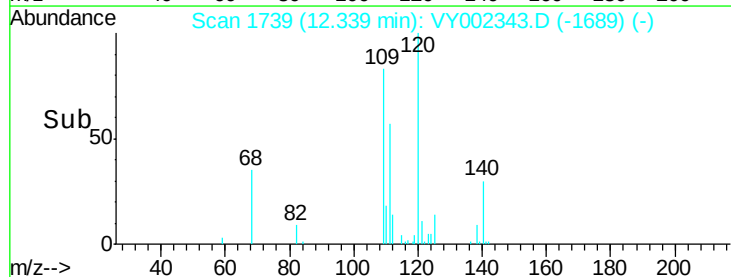
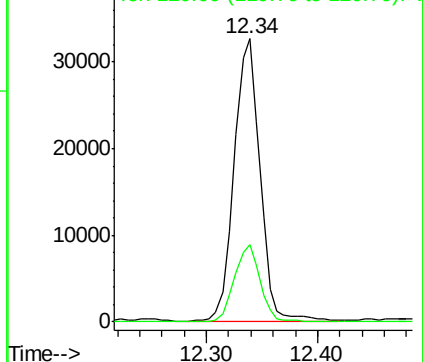
Ion Ratio Lower Upper

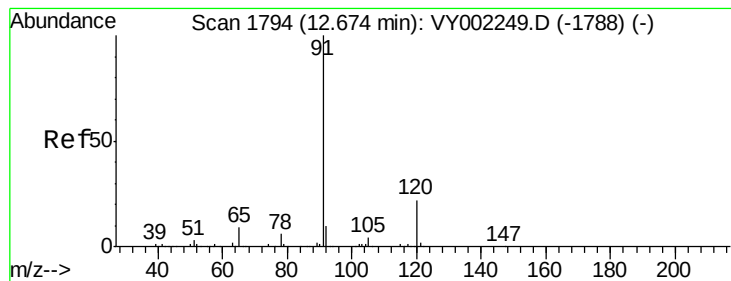
105 100

120 27.3 13.3 39.8



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





#78

n-propylbenzene

Concen: 20.238 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY002343.D

Acq: 15 Apr 2020 17:34

Instrument :

MSVOA_Y

ClientSampled :

TP-38

Tot Ion: 91 Resp: 140774

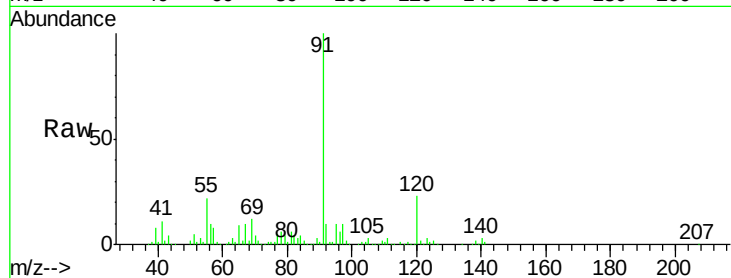
Ion Ratio Lower Upper

91 100

120 0.0 11.2 33.5#

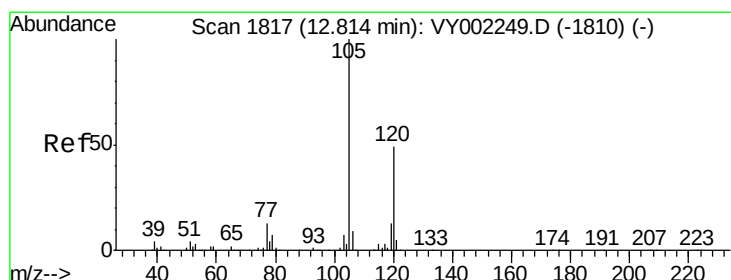
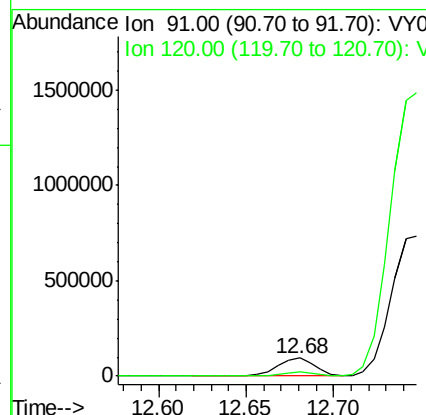
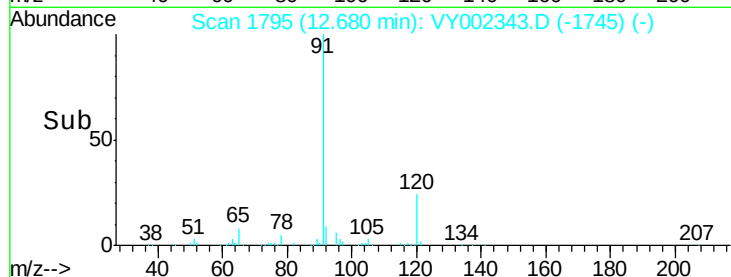
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Abundance Ion 91.00 (90.70 to 91.70): VY002249.D (-1788) (-)

Ion 120.00 (119.70 to 120.70): VY002249.D (-1788) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1405.086 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VY002343.D

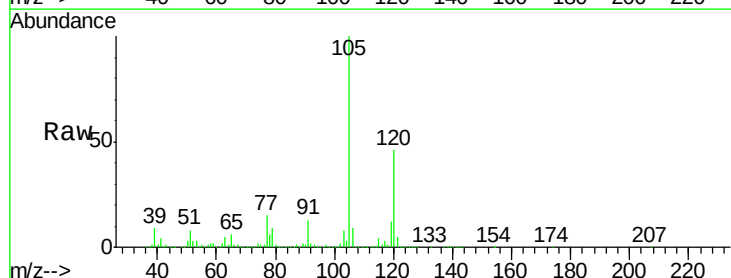
Acq: 15 Apr 2020 17:34

Tgt Ion: 105 Resp: 6499313

Ion Ratio Lower Upper

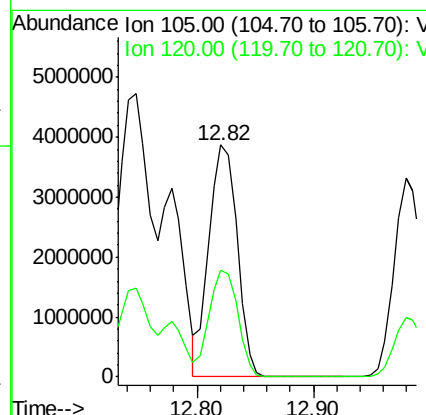
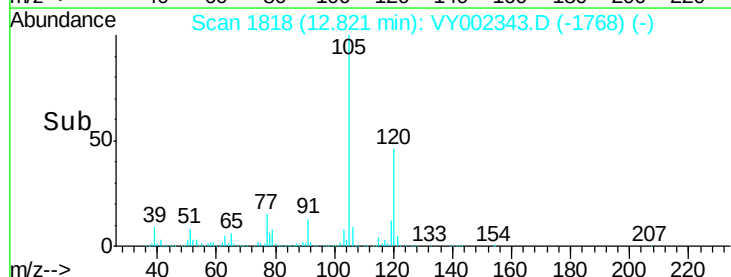
105 100

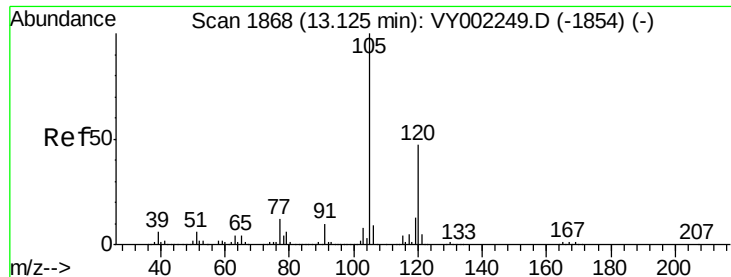
120 46.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002249.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY002249.D (-1810) (-)





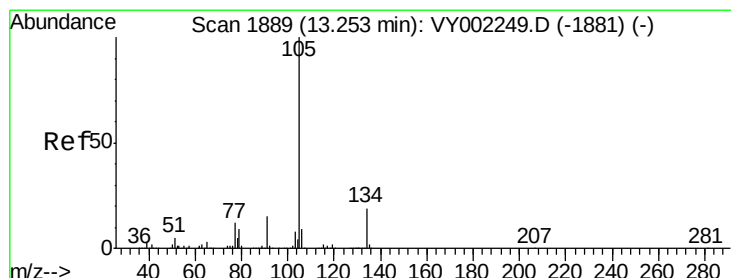
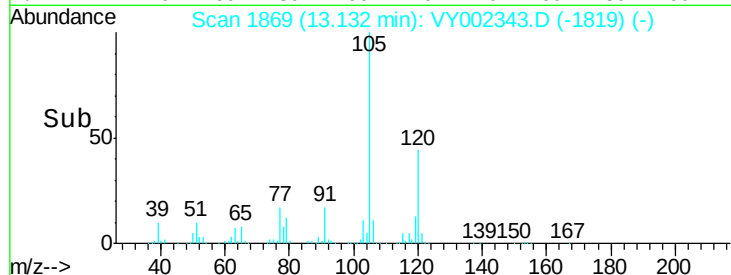
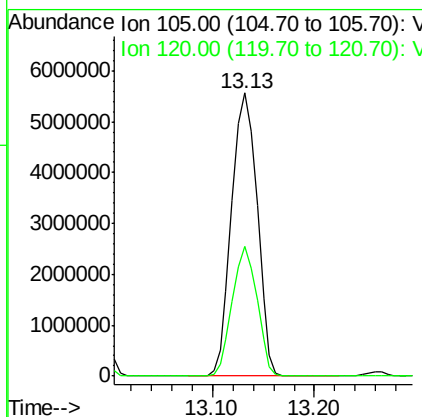
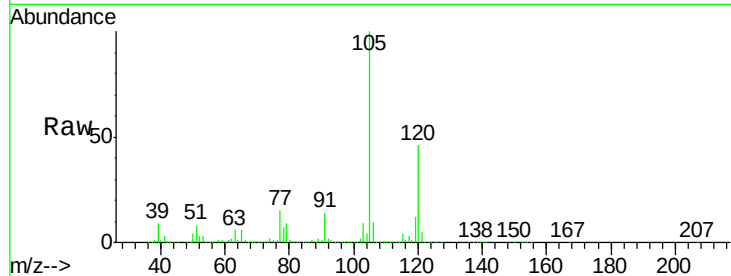
#84
 1,2,4-Trimethylbenzene
 Concen: 2097.223 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002343.D
 Acq: 15 Apr 2020 17:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Tot Ion:105 Resp: 9687018
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.1 69.2

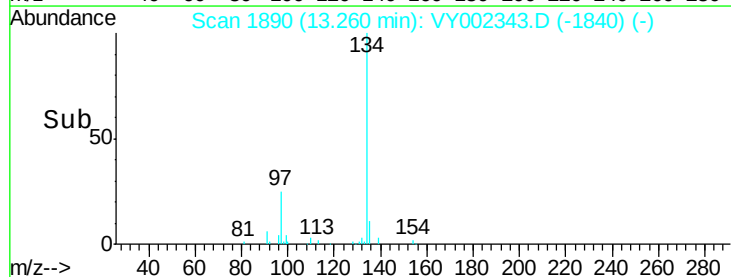
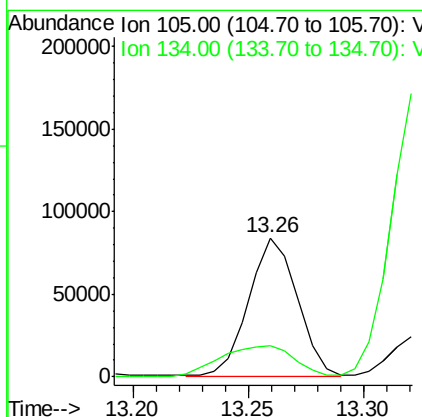
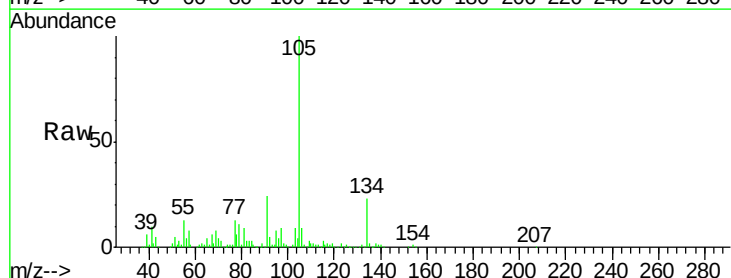
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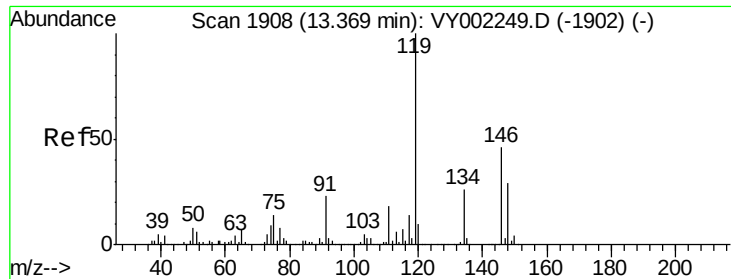
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#85
 sec-Butylbenzene
 Concen: 21.601 ug/l m
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.01 min
 Lab File: VY002343.D
 Acq: 15 Apr 2020 17:34

Tgt Ion:105 Resp: 124677
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#





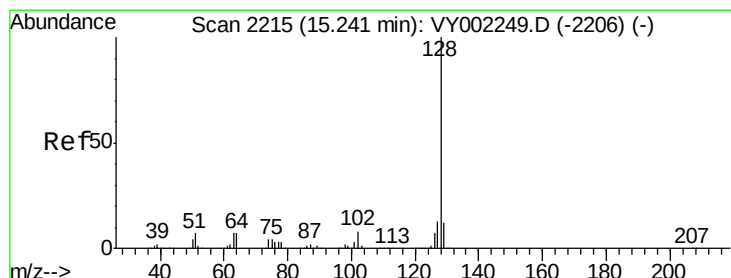
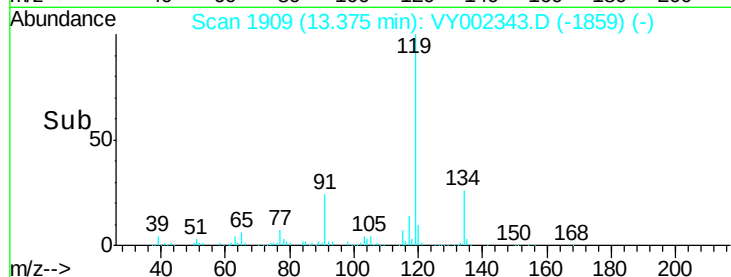
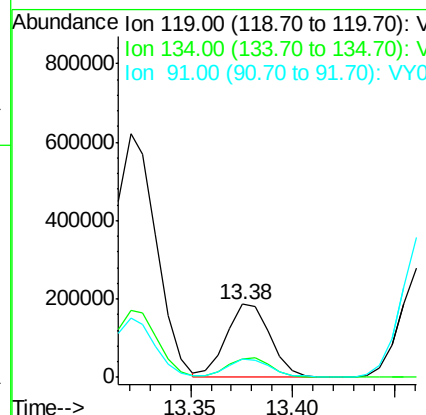
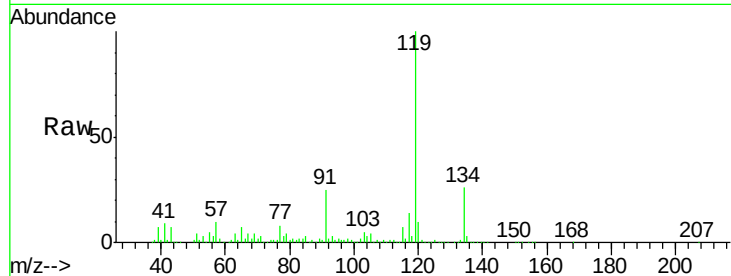
#86
 p-Isopropyltoluene
 Concen: 56.063 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY002343.D
 Acq: 15 Apr 2020 17:34

Instrument :
 MSVOA_Y
 ClientSampled :
 TP-38

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278495		
134	26.7		13.3	39.9
91	24.8		11.5	34.4

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#95
 Naphthalene
 Concen: 148.491 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: VY002343.D
 Acq: 15 Apr 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	460502		
127	13.1		10.1	15.1
129	11.7		8.7	13.1

