

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003755.D
 Acq On : 14 Dec 2020 18:03
 Operator : SY/MD
 Sample : L5063-05RE
 Misc : 4.19G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD7RE

Manual Integrations
 APPROVED

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 12/16/2020 12:35:46 PM

Quant Time: Dec 15 05:00:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 03:40:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	219376	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	149211	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	44802	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	86414	28.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.48%
7) Chloroethane-d5	2.77	69	68432	30.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.64%
10) 1,1-Dichloroethene-d2	3.86	63	126175	20.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.24%
20) 2-Butanone-d5	6.90	46	70208	53.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.62%
24) Chloroform-d	7.49	84	156900	27.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.16%
26) 1,2-Dichloroethane-d4	8.15	65	86649	26.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.60%
29) Benzene-d6	8.12	84	325733	37.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	150.88%#
33) 1,2-Dichloropropane-d6	9.12	67	103293	38.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	153.64%#
37) Toluene-d8	10.18	98	253280	32.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	129.60%
38) trans-1,3-Dichloropropene-	10.43	79	33133	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.12%
39) 2-Hexanone-d5	10.79	63	49114	66.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.46%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	70833	30.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.52%#
61) 1,2-Dichlorobenzene-d4	13.72	152	49192	30.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	122.28%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.95	43	2336m	2.597	ug/L	
16) Methylene chloride	4.72	84	4615m	1.172	ug/L	
44) Toluene	10.25	91	3576	0.355	ug/L	89
47) Tetrachloroethene	10.72	164	594	0.293	ug/L	# 82
54) m,p-Xylene	11.70	106	1129	0.266	ug/L	88
55) o-xylene	12.03	106	896	0.225	ug/L	99
57) Isopropylbenzene	12.33	105	1937	0.182	ug/L	# 91

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

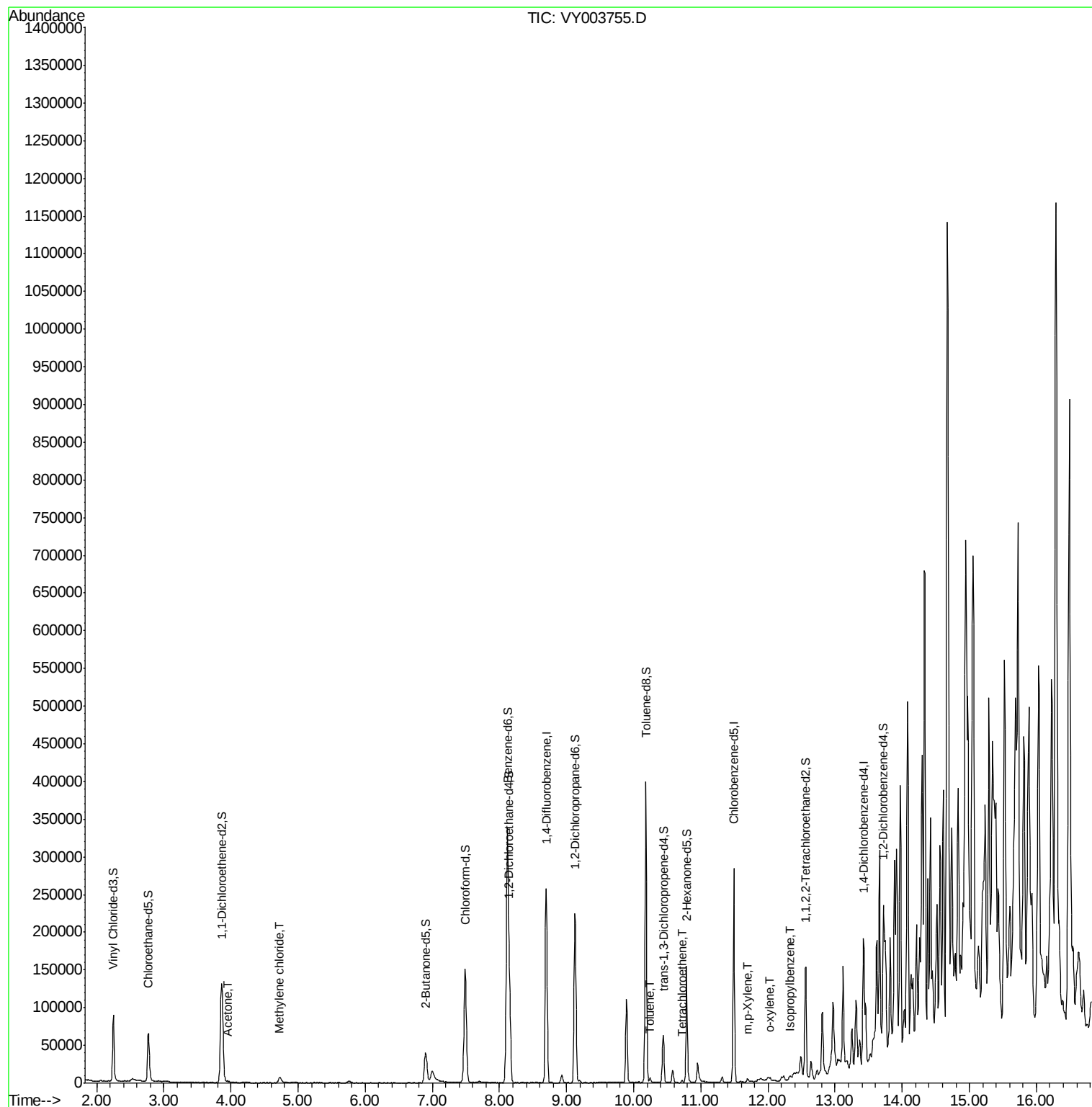
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

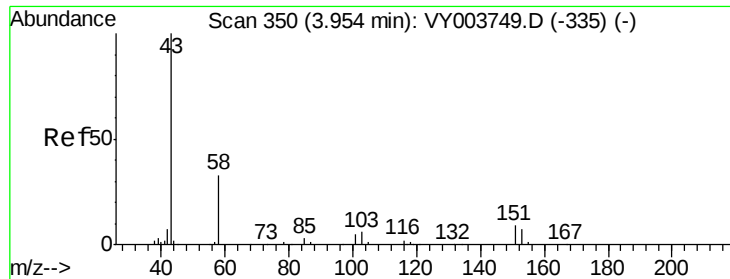
Instrument :
MSVOA_Y
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Quant Time: Dec 15 05:00:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 15 03:40:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.597 ug/L m

RT: 3.95 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY003755.D

Acq: 14 Dec 2020 18:03

Tot Ion: 43 Resp: 2336

Ion Ratio Lower Upper

43 100

58 10.3 0.0 65.4

Instrument :

MSVOA_Y

ClientSampleId :

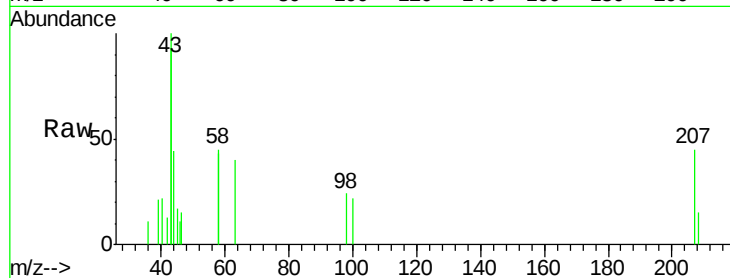
C0AD7RE

Manual Integrations

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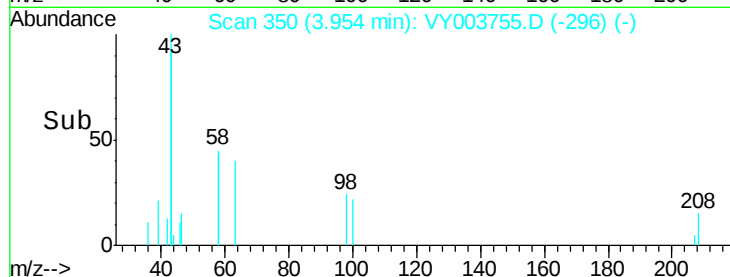
12/16/2020 12:35:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VY003749.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VY003749.D (-335) (-)

Time-->

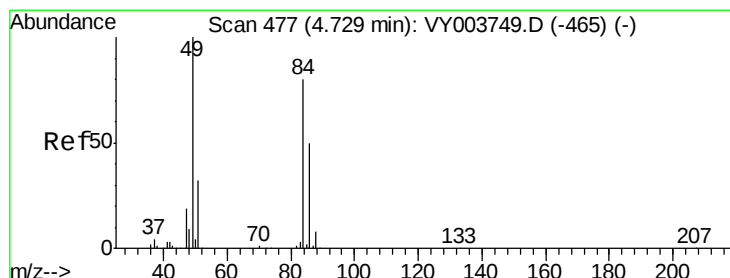


Abundance

Ion 43.00 (42.70 to 43.70): VY003755.D (-296) (-)

Ion 58.00 (57.70 to 58.70): VY003755.D (-296) (-)

Time-->



#16

Methylene chloride

Concen: 1.172 ug/L m

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VY003755.D

Acq: 14 Dec 2020 18:03

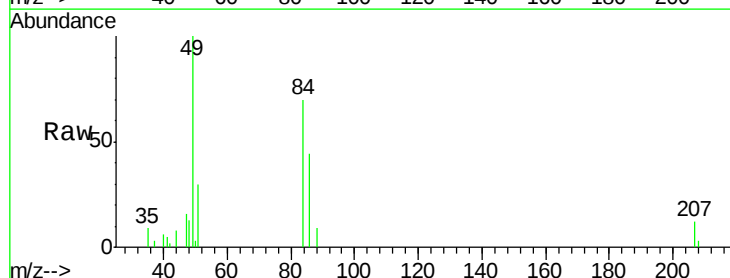
Tgt Ion: 84 Resp: 4615

Ion Ratio Lower Upper

84 100

49 142.2 88.2 163.8

86 62.1 43.0 79.8

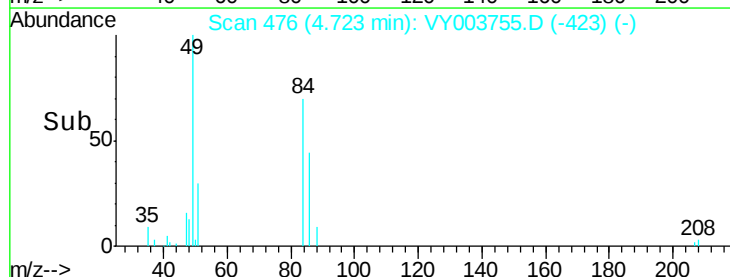


Abundance Ion 84.00 (83.70 to 84.70): VY003749.D (-465) (-)

Ion 49.00 (48.70 to 49.70): VY003749.D (-465) (-)

Ion 86.00 (85.70 to 86.70): VY003749.D (-465) (-)

Time-->



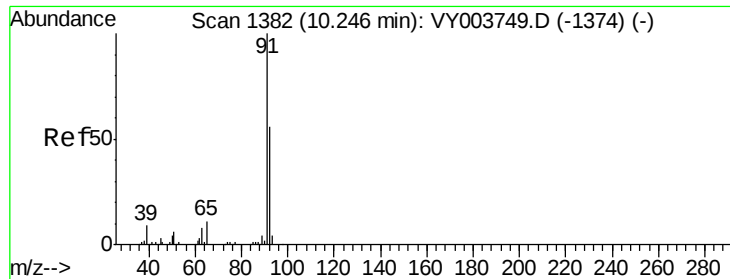
Abundance

Ion 84.00 (83.70 to 84.70): VY003755.D (-423) (-)

Ion 49.00 (48.70 to 49.70): VY003755.D (-423) (-)

Ion 86.00 (85.70 to 86.70): VY003755.D (-423) (-)

Time-->



#44

Toluene

Concen: 0.355 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003755.D

Acq: 14 Dec 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

C0AD7RE

Tot Ion: 91 Resp: 3576

Ion Ratio Lower Upper

91 100

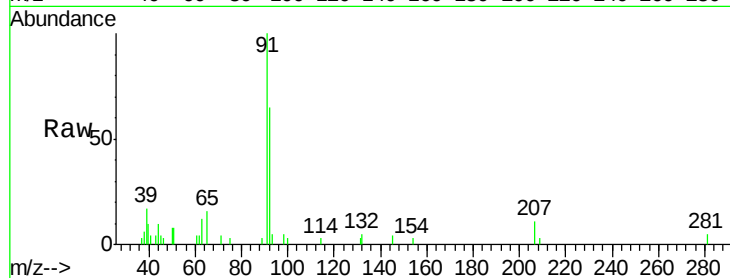
92 65.3 39.9 74.1

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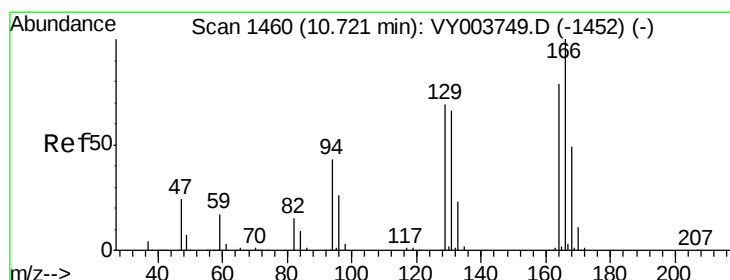
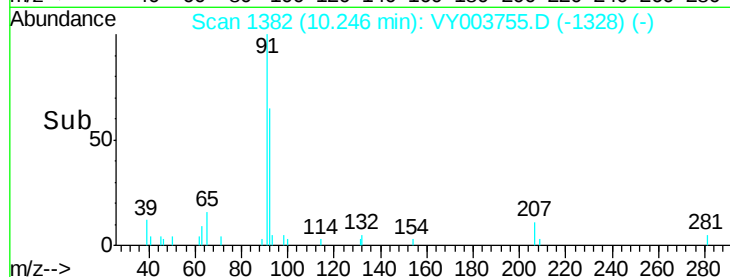
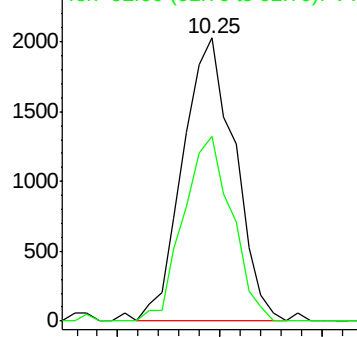
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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#47

Tetrachloroethene

Concen: 0.293 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003755.D

Acq: 14 Dec 2020 18:03

Tgt Ion: 164 Resp: 594

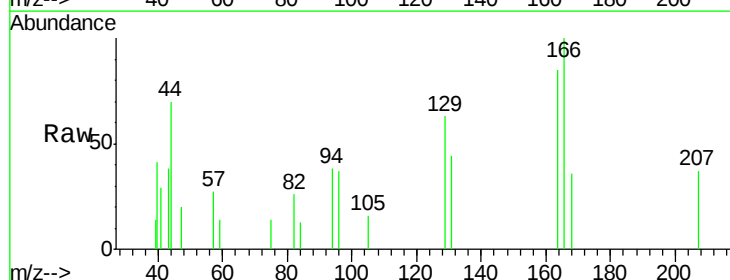
Ion Ratio Lower Upper

164 100

129 74.3 61.3 113.9

131 51.6 60.4 112.2#

166 117.4 87.8 163.0

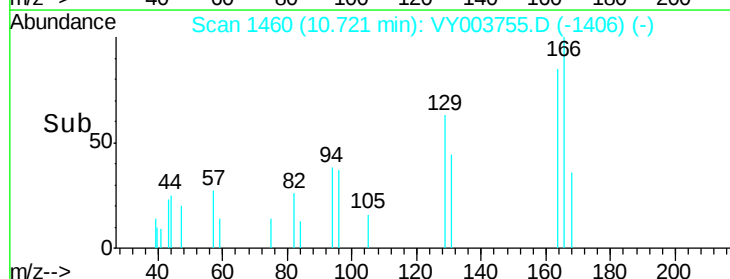
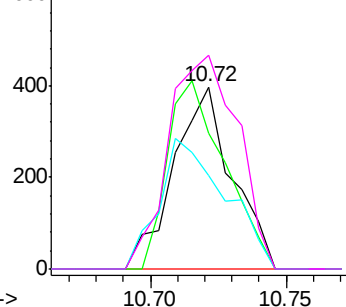


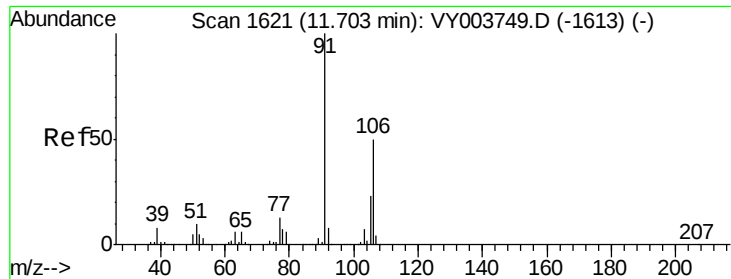
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#54

m,p-Xylene

Concen: 0.266 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003755.D

Acq: 14 Dec 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

C0AD7RE

Tot Ion:106 Resp: 1129

Ion Ratio Lower Upper

106 100

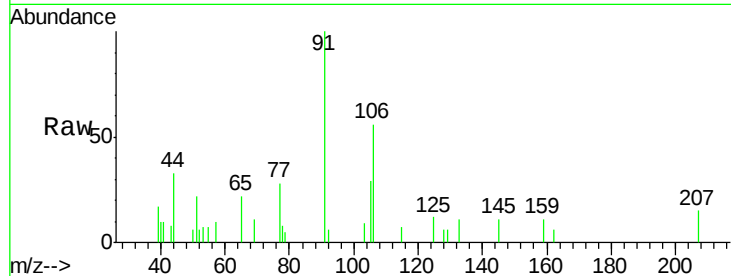
91 177.1 136.4 253.4

Manual Integrations

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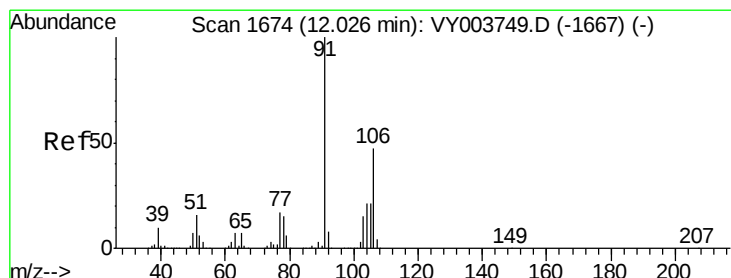
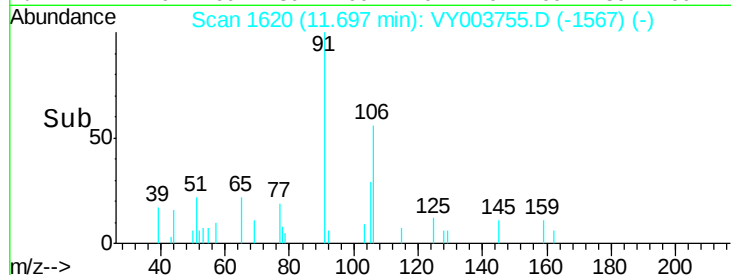
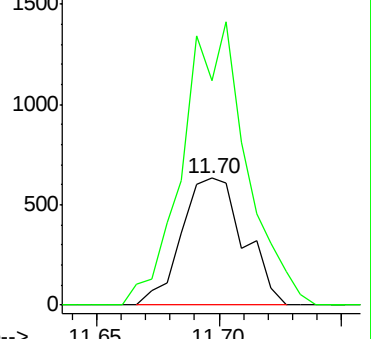
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.225 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003755.D

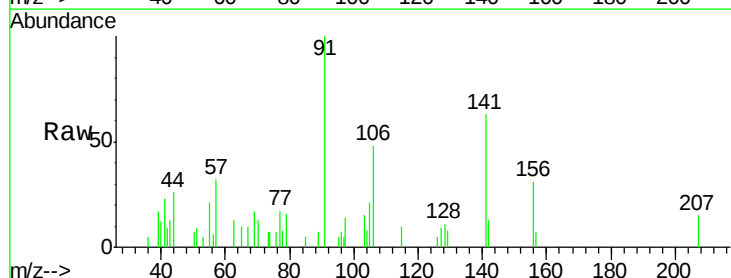
Acq: 14 Dec 2020 18:03

Tgt Ion:106 Resp: 896

Ion Ratio Lower Upper

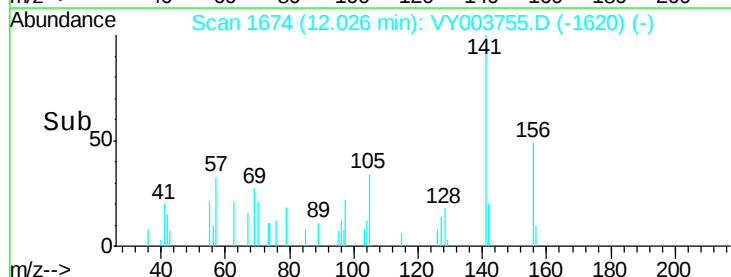
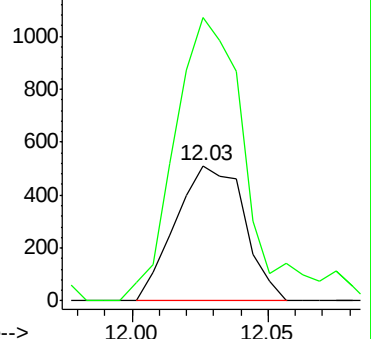
106 100

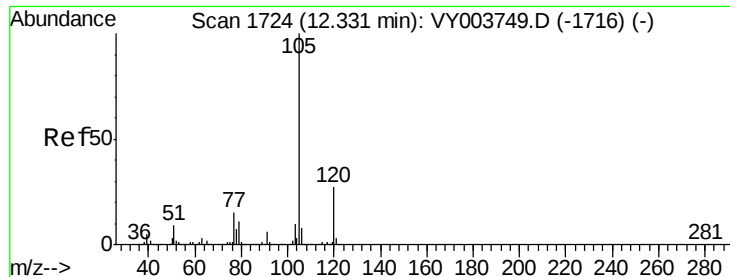
91 209.8 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#57
Isopropylbenzene
Concen: 0.182 ug/L
RT: 12.33 min Scan# 1724
Delta R.T. -0.00 min
Lab File: VY003755.D
Acq: 14 Dec 2020 18:03

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

Tot Ion:	105	Resp:	1937
Ion Ratio	Lower	Upper	
105	100		
120	24.2	22.1	33.1
77	9.3	12.2	18.4#

Manual Integrations
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