

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
 Data File : VU036487.D
 Acq On : 15 Jan 2020 23:24
 Operator : JC/MD
 Sample : L1109-11DL 4X
 Misc : 5.09G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GASH0DL

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 1:57:37 PM

Quant Time: Jan 17 12:14:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 11:35:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	546177	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	549829	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	286086	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	151310	42.73	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.46%		
7) Chloroethane-d5	1.90	69	139223	45.42	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.84%		
11) 1,1-Dichloroethene-d2	2.58	63	227999	33.53	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.06%		
21) 2-Butanone-d5	4.68	46	292165	95.97	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.97%		
24) Chloroform-d	5.11	84	315743	44.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.58%		
26) 1,2-Dichloroethane-d4	5.74	65	217968	46.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.02%		
32) Benzene-d6	5.77	84	660001	45.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.80%		
36) 1,2-Dichloropropane-d6	6.73	67	211271	45.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.36%		
41) Toluene-d8	7.93	98	639061	46.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.98%		
43) trans-1,3-Dichloropropene-	8.21	79	116578	46.27	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.54%		
47) 2-Hexanone-d5	8.67	63	263776	110.07	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.07%		
57) 1,1,2,2-Tetrachloroethane-	10.78	84	346833	49.31	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.62%		
64) 1,2-Dichlorobenzene-d4	12.21	152	271504	48.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.36%		

Target Compounds

						Qvalue
13) Acetone	2.66	43	6442	1.96	ug/L	96
33) Benzene	5.81	78	900383	56.99	ug/L	100
42) Toluene	8.00	91	3689383	215.00	ug/L	99
52) Ethylbenzene	9.60	91	497769	25.97	ug/L	98
53) m,p-Xylene	9.72	106	2029735	283.20	ug/L	99
54) o-xylene	10.12	106	774454	108.24	ug/L	97
55) Styrene	10.14	104	233054m	20.08	ug/L	
56) Isopropylbenzene	10.51	105	34628	1.89	ug/L	98

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

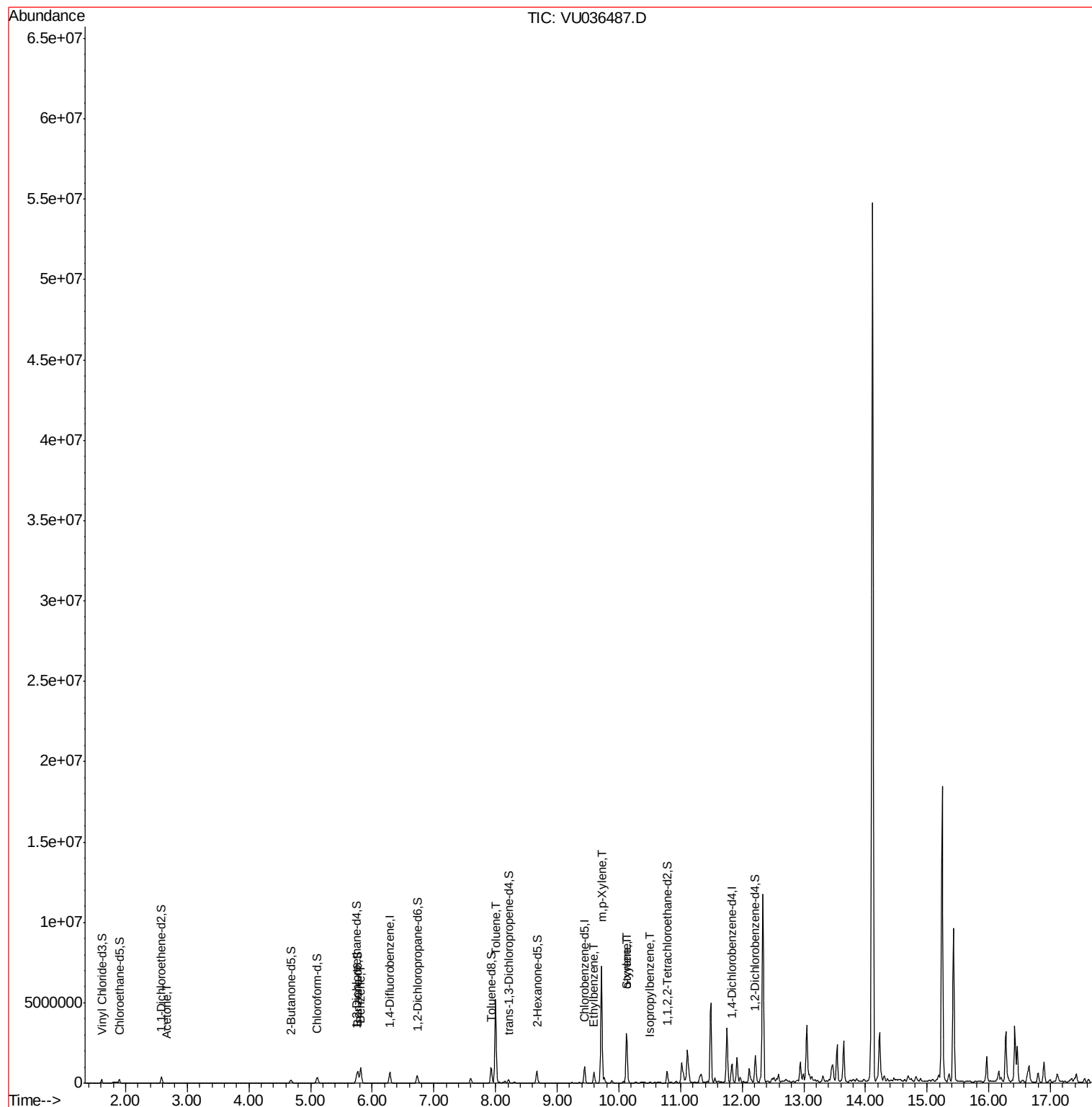
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011520\
Data File : VU036487.D
Acq On : 15 Jan 2020 23:24
Operator : JC/MD
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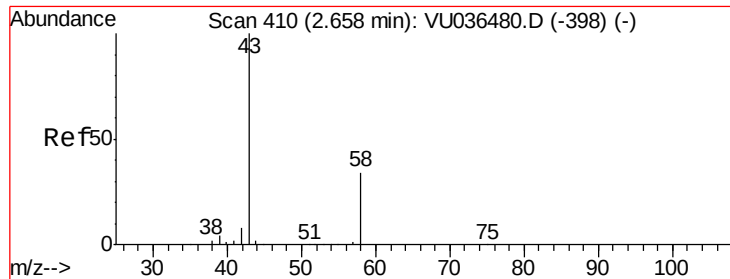
Instrument :
MSVOA_U
ClientSampleId :
GASH0DL

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Quant Time: Jan 17 12:14:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 11:35:47 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.96 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036487.D

Acq: 15 Jan 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

GASH0DL

Tgt Ion: 43 Resp: 6442

Ion Ratio Lower Upper

43 100

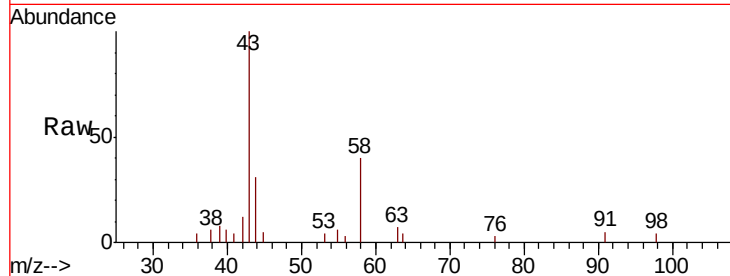
58 34.5 0.0 65.0

Manual Integrations

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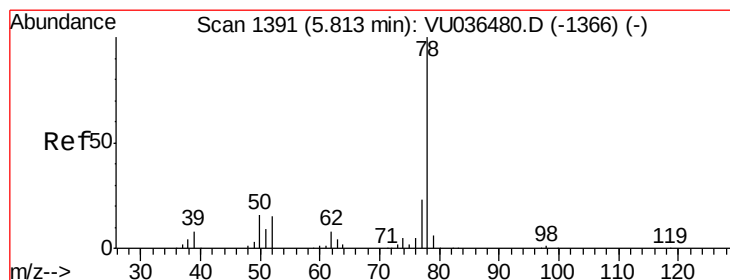
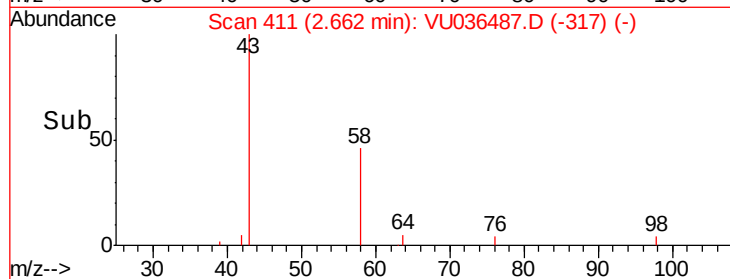
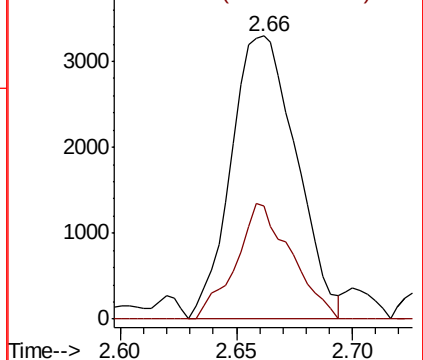
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Abundance Ion 43.00 (42.70 to 43.70): VU036487.D (-410) (-)

Ion 58.00 (57.70 to 58.70): VU036487.D (-410) (-)



#33

Benzene

Concen: 56.99 ug/L

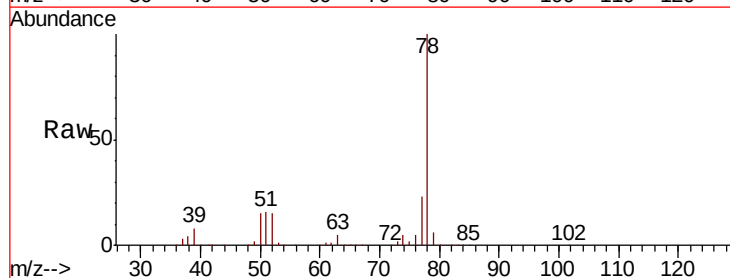
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

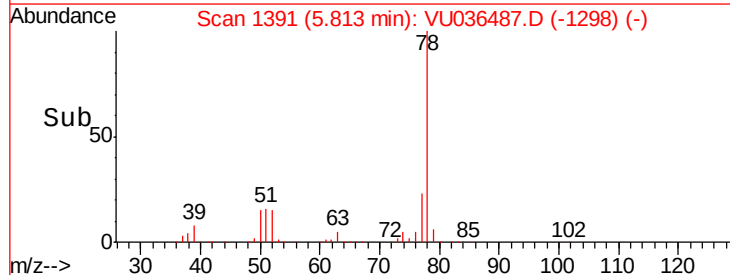
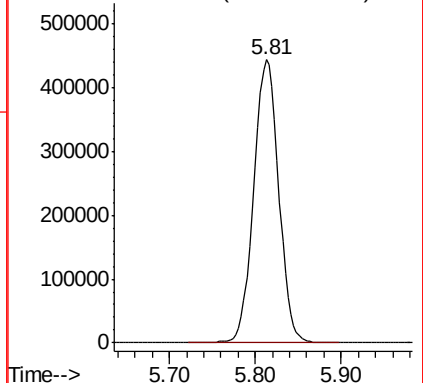
Lab File: VU036487.D

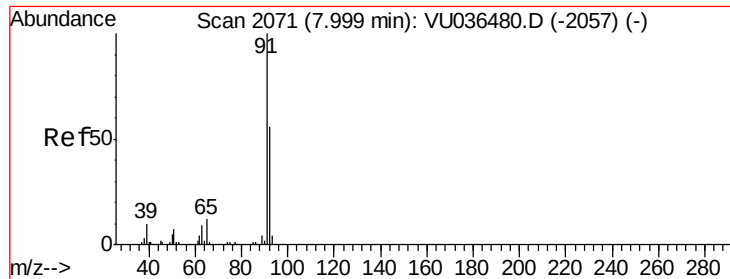
Acq: 15 Jan 2020 23:24

Tgt Ion: 78 Resp: 900383



Abundance Ion 78.00 (77.70 to 78.70): VU036487.D (-1391) (-)





#42

Toluene

Concen: 215.00 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036487.D

Acq: 15 Jan 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

GASH0DL

Tgt Ion: 91 Resp: 3689383

Ion Ratio Lower Upper

91 100

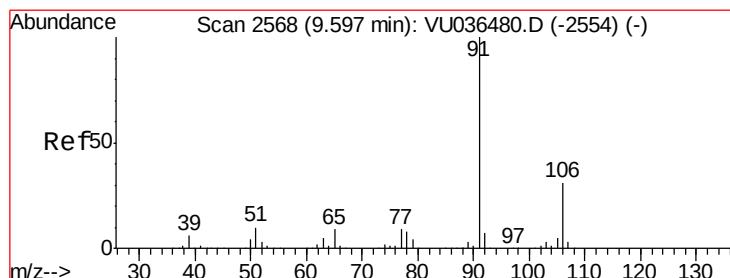
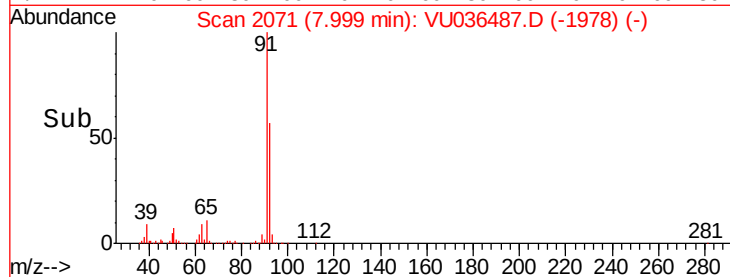
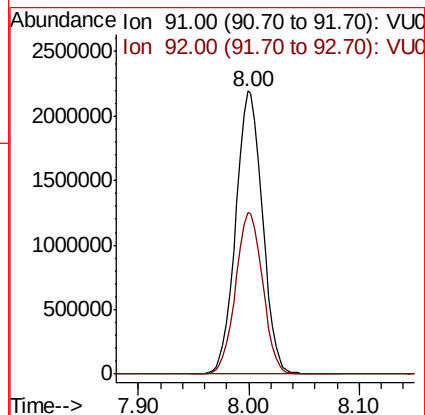
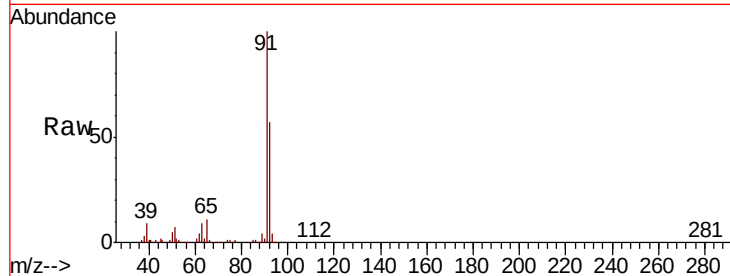
92 57.4 39.5 73.3

Manual Integrations

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#52

Ethylbenzene

Concen: 25.97 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036487.D

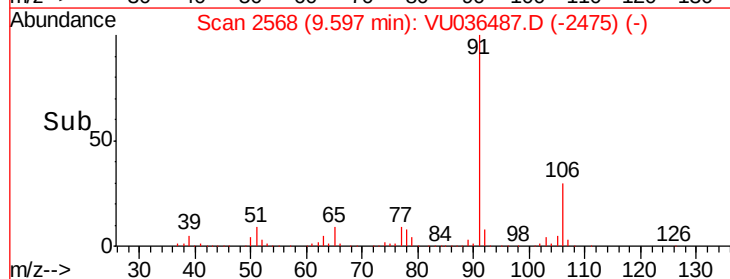
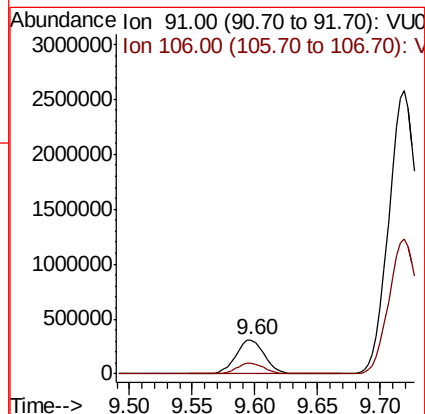
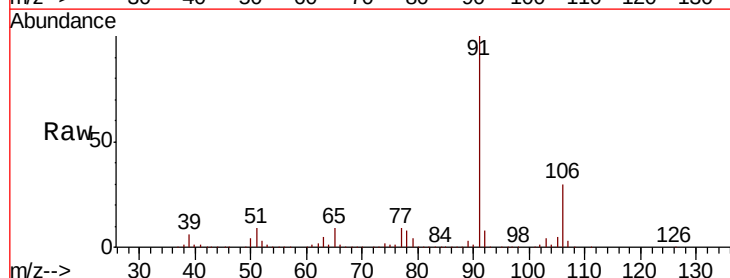
Acq: 15 Jan 2020 23:24

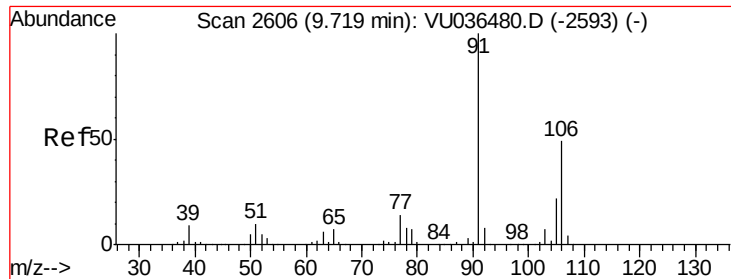
Tgt Ion: 91 Resp: 497769

Ion Ratio Lower Upper

91 100

106 30.4 22.3 41.3





#53

m,p-Xylene

Concen: 283.20 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036487.D

Acq: 15 Jan 2020 23:24

Instrument :

MSVOA_U

ClientSampled :

GASH0DL

Tgt Ion:106 Resp: 2029735

Ion Ratio Lower Upper

106 100

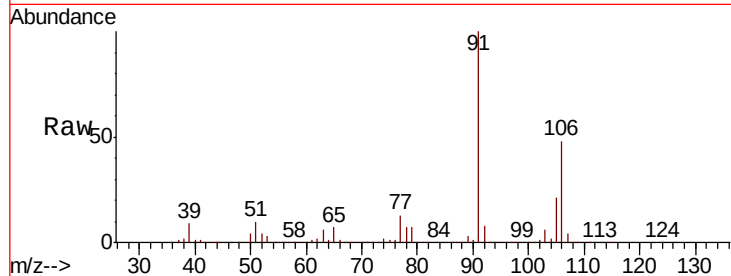
91 209.8 145.9 270.9

Manual Integrations

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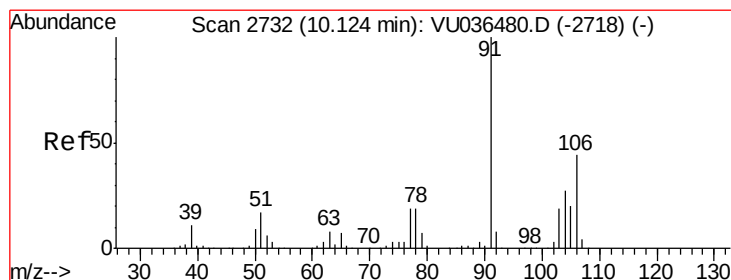
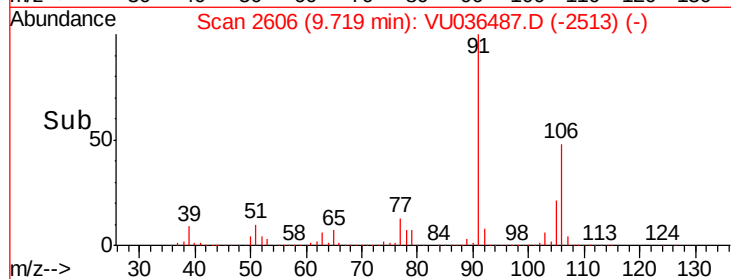
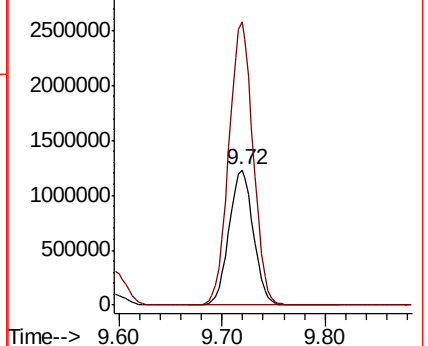
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 108.24 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036487.D

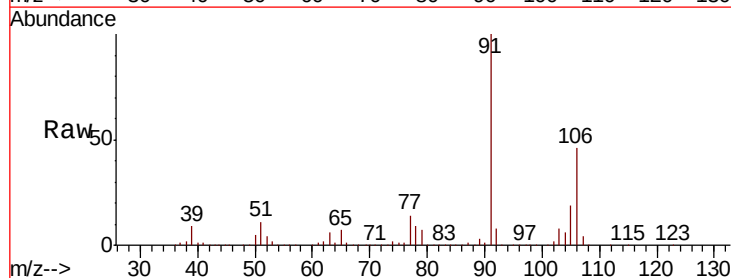
Acq: 15 Jan 2020 23:24

Tgt Ion:106 Resp: 774454

Ion Ratio Lower Upper

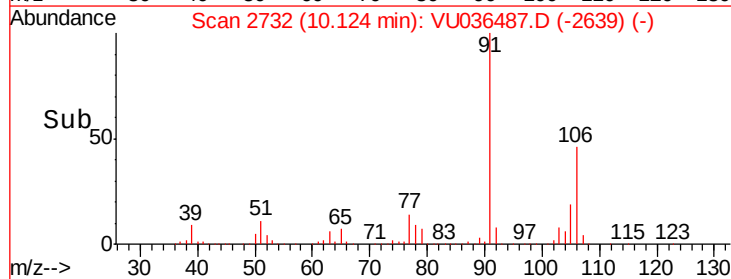
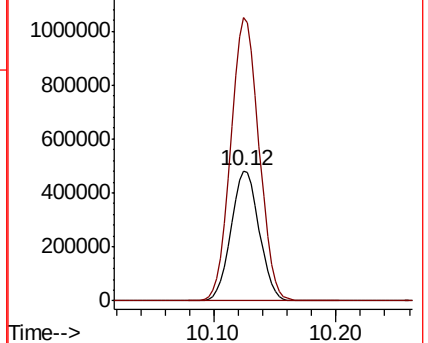
106 100

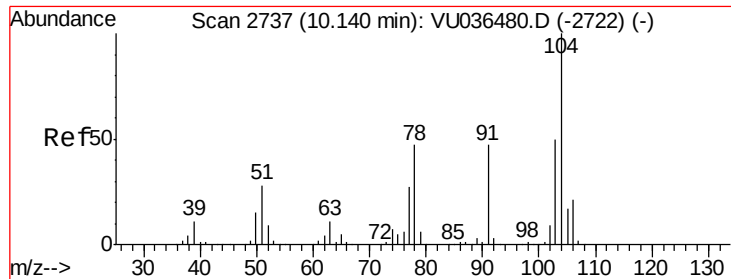
91 217.7 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 20.08 ug/L m

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036487.D

Acq: 15 Jan 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

GASH0DL

Tgt Ion:104 Resp: 233054

Ion Ratio Lower Upper

104 100

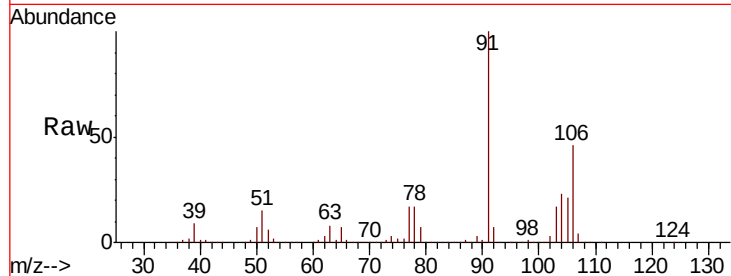
78 72.6 33.2 61.7#

Manual Integrations

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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

10.14

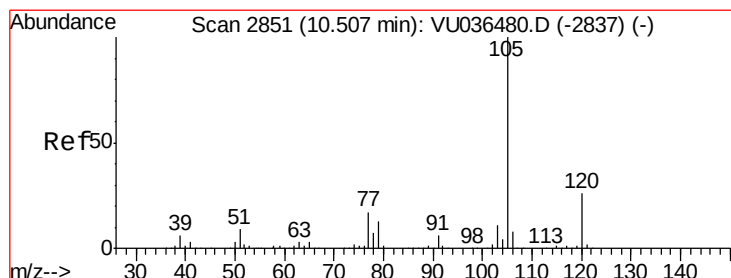
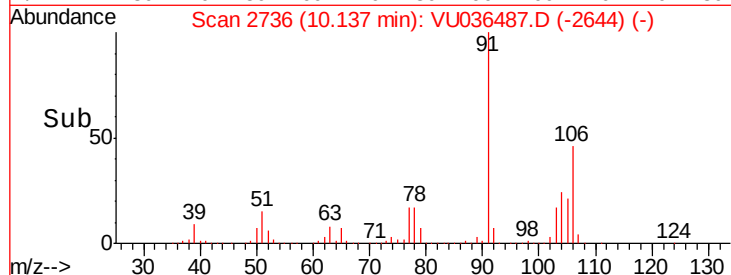
150000

100000

50000

0

Time-->



#56

Isopropylbenzene

Concen: 1.89 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036487.D

Acq: 15 Jan 2020 23:24

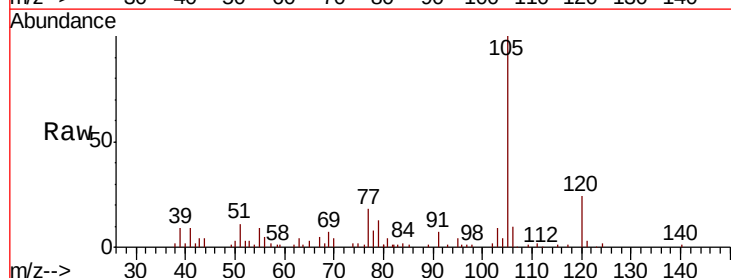
Tgt Ion:105 Resp: 34628

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

77 17.9 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

10.51

30000

25000

20000

15000

10000

5000

0

Time-->

