

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034756.D
 Acq On : 24 Sep 2019 00:27
 Operator : JC/SP
 Sample : K4932-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK1

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:36:30 AM

Quant Time: Sep 24 05:47:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 03:36:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	525954	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	490381	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	228412	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	213766	39.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.40%
7) Chloroethane-d5	1.67	69	171740	41.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.54%
11) 1,1-Dichloroethene-d2	2.26	63	295092	32.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.72%
21) 2-Butanone-d5	4.15	46	468514	113.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.53%
24) Chloroform-d	4.62	84	369218	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
26) 1,2-Dichloroethane-d4	5.29	65	276022	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
32) Benzene-d6	5.32	84	756646	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.31	67	269120	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.32%
41) Toluene-d8	7.54	98	713861	49.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.74%
43) trans-1,3-Dichloropropene-	7.83	79	124794	49.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.10%
47) 2-Hexanone-d5	8.29	63	324435	121.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.59%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	365504	49.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.16%
64) 1,2-Dichlorobenzene-d4	11.84	152	248178	51.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.64%

Target Compounds

					Ovalue
13) Acetone	2.31	43	166436	34.672	ug/L 100
15) Methyl Acetate	2.61	43	7021	1.095	ug/L 95
16) Methylene chloride	2.68	84	47364	10.866	ug/L 95
22) 2-Butanone	4.25	43	52992m	9.279	ug/L
42) Toluene	7.62	91	25325	1.378	ug/L 94
52) Ethylbenzene	9.23	91	29516	1.426	ug/L 97
53) m,p-Xylene	9.35	106	16525	2.254	ug/L 98
54) o-xylene	9.76	106	18977	2.617	ug/L 94

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

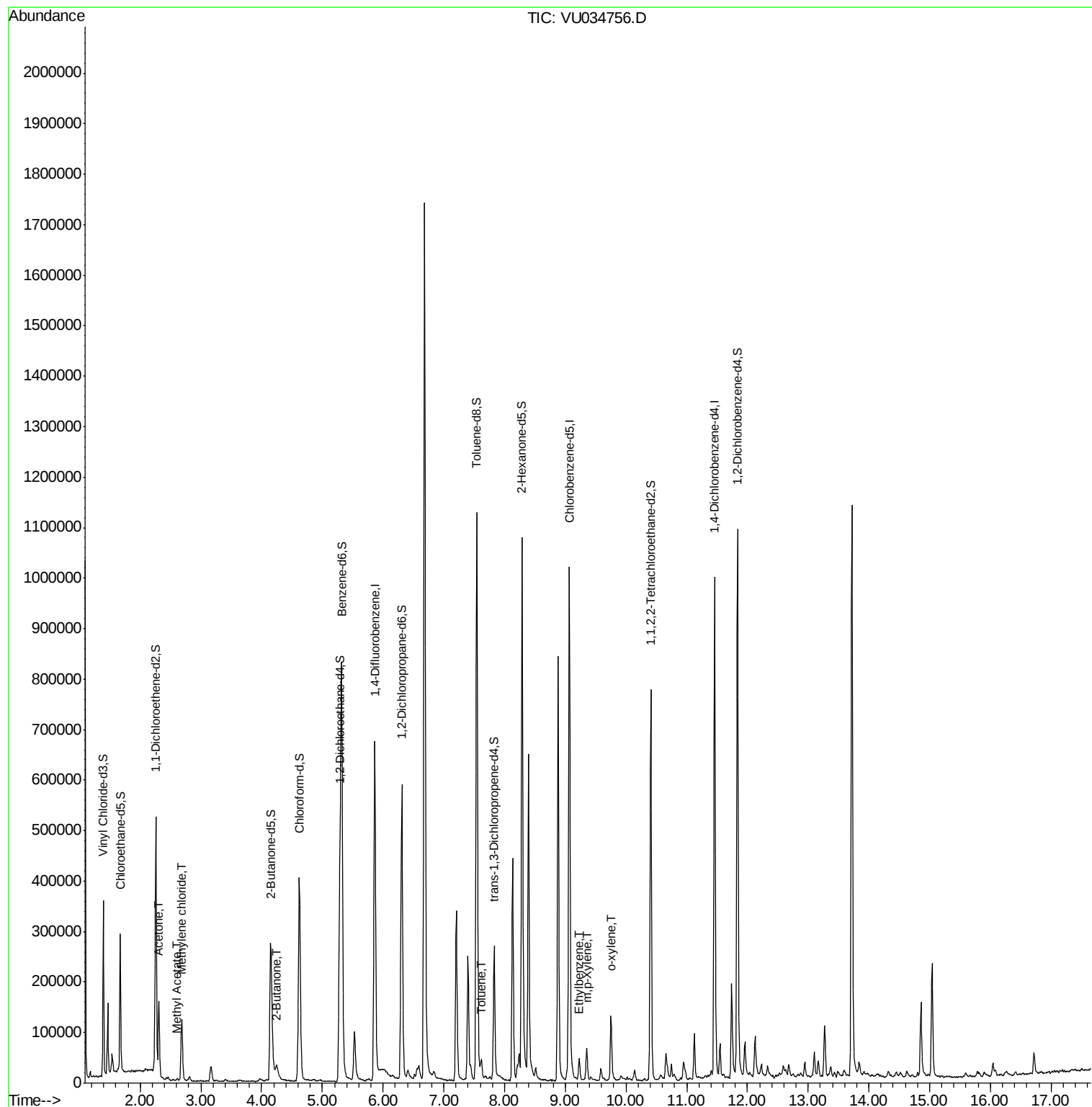
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034756.D
Acq On : 24 Sep 2019 00:27
Operator : JC/SP
Sample : K4932-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

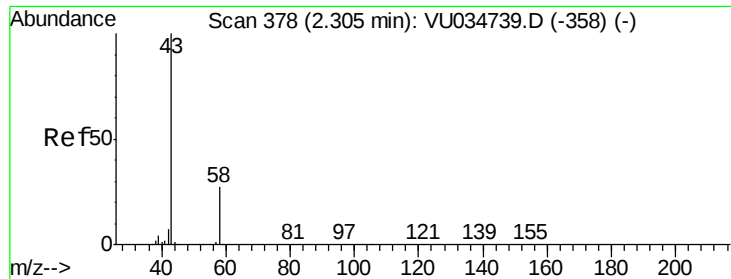
Instrument :
MSVOA_U
ClientSampleId :
BFDK1

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Quant Time: Sep 24 05:47:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration





#13

Acetone

Concen: 34.672 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034756.D

Acq: 24 Sep 2019 00:27

Instrument :

MSVOA_U

ClientSampled :

BFDK1

Tot Ion: 43 Resp: 166436

Ion Ratio Lower Upper

43 100

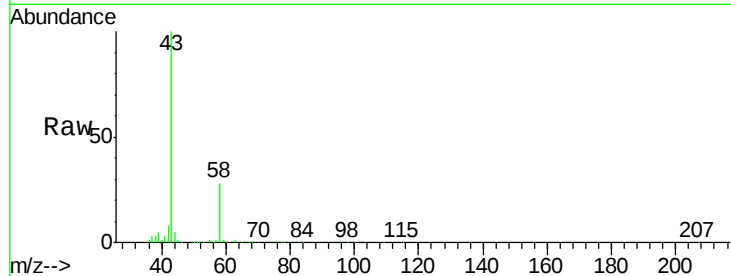
58 26.4 0.0 53.4

Manual Integrations

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9/24/2019 10:36:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.31

100000

80000

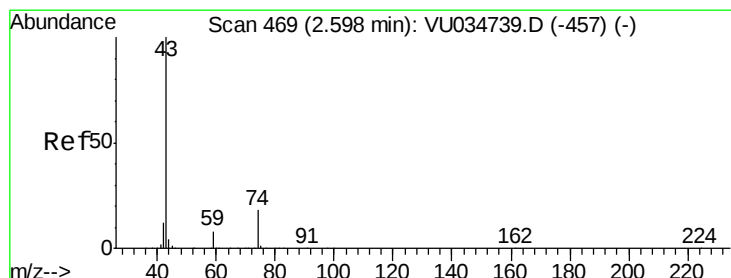
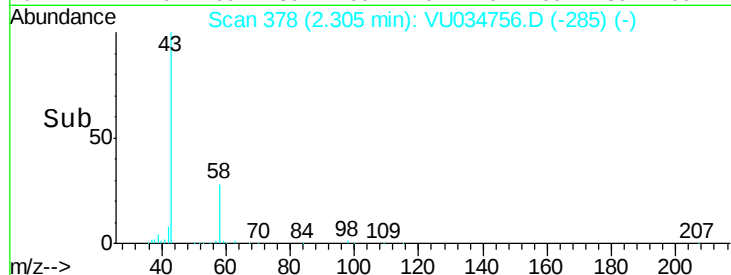
60000

40000

20000

0

Time-->



#15

Methyl Acetate

Concen: 1.095 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034756.D

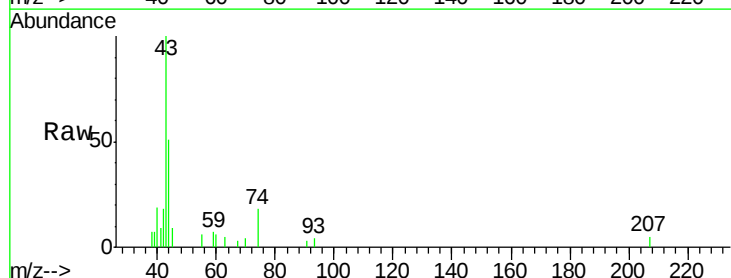
Acq: 24 Sep 2019 00:27

Tgt Ion: 43 Resp: 7021

Ion Ratio Lower Upper

43 100

74 15.7 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

4000

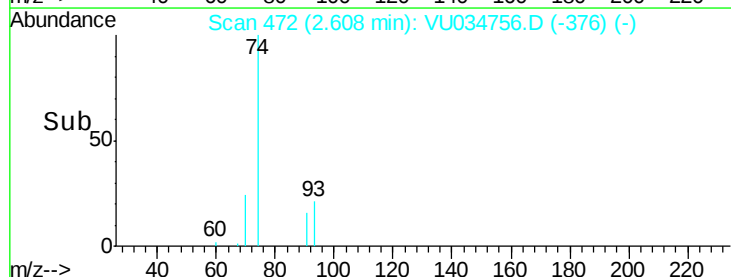
3000

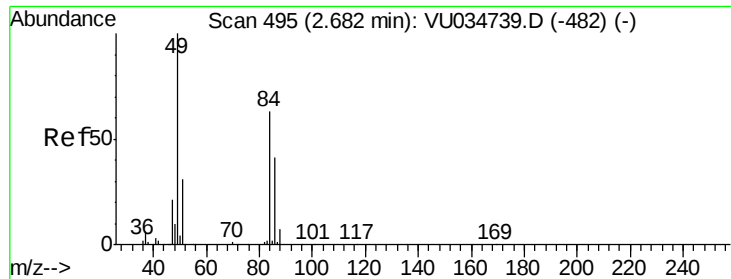
2000

1000

0

Time-->





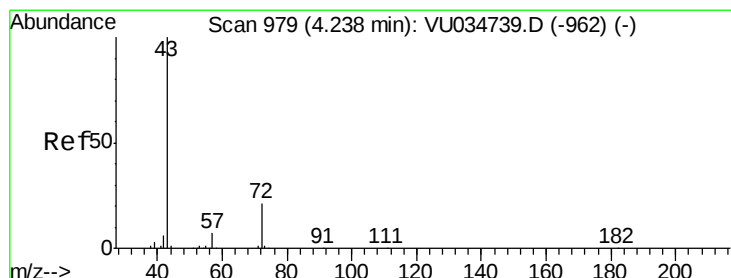
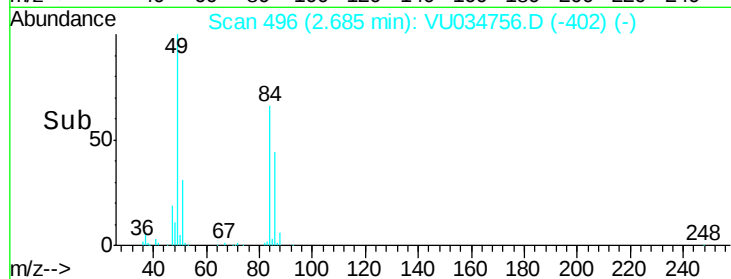
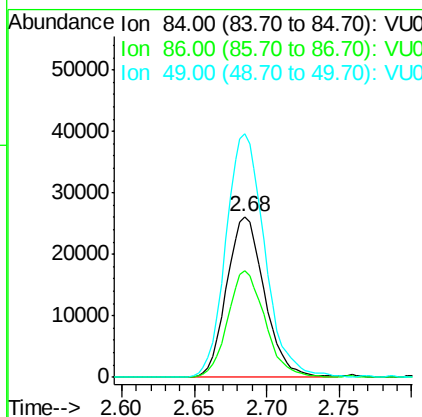
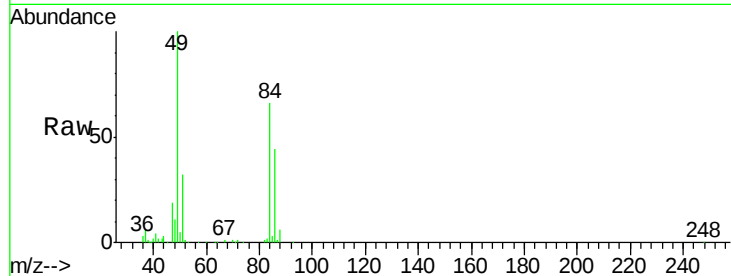
#16
Methvlene chloride
Concen: 10.866 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034756.D
Acq: 24 Sep 2019 00:27

Instrument :
MSVOA_U
ClientSampled :
BFDK1

Tot Ion	84	Resp	47364
Ion	Ratio	Lower	Upper
84	100		
86	65.9	43.0	80.0
49	151.3	109.7	203.7

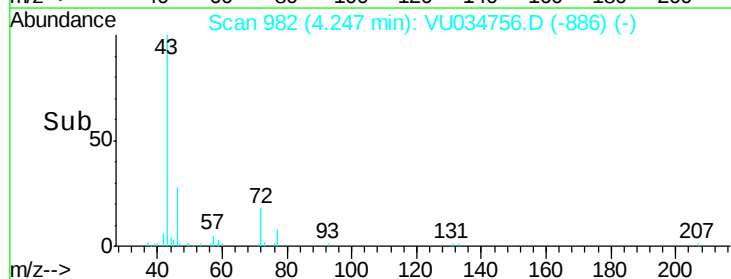
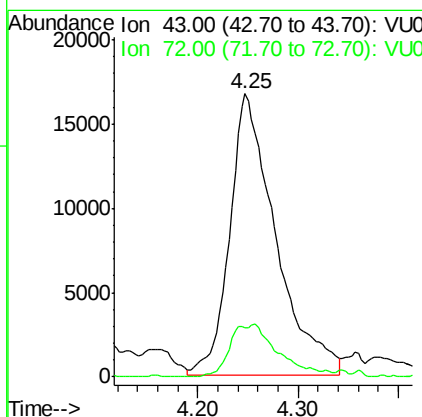
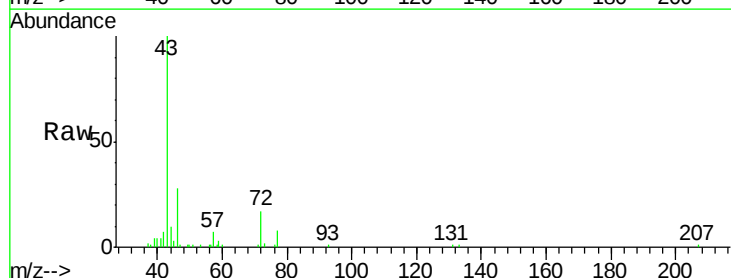
Manual Integrations
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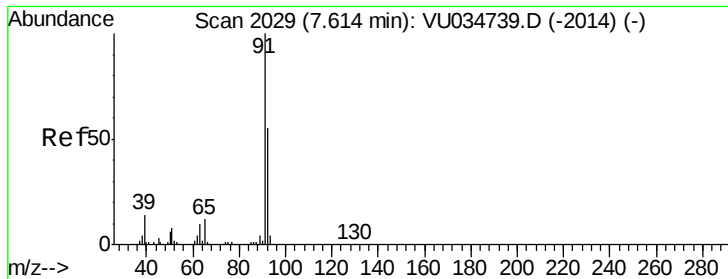
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9/24/2019 10:36:30 AM



#22
2-Butanone
Concen: 9.279 ug/L m
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU034756.D
Acq: 24 Sep 2019 00:27

Tgt Ion	43	Resp	52992
Ion	Ratio	Lower	Upper
43	100		
72	0.1	10.2	30.6#





#42

Toluene

Concen: 1.378 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU034756.D

Acq: 24 Sep 2019 00:27

Instrument :

MSVOA_U

ClientSampleId :

BFDK1

Tot Ion: 91 Resp: 25325

Ion Ratio Lower Upper

91 100

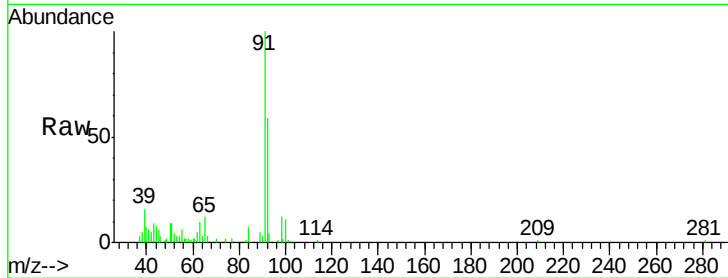
92 58.7 38.2 71.0

Manual Integrations

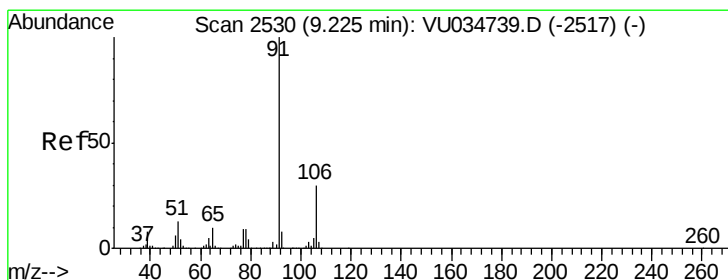
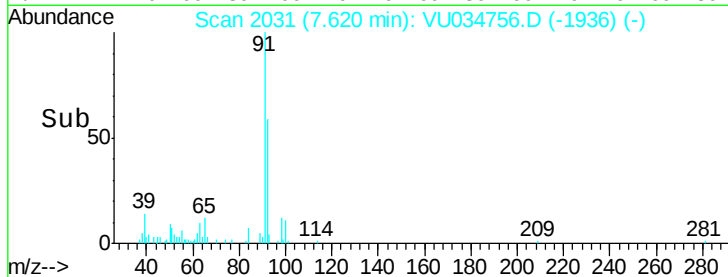
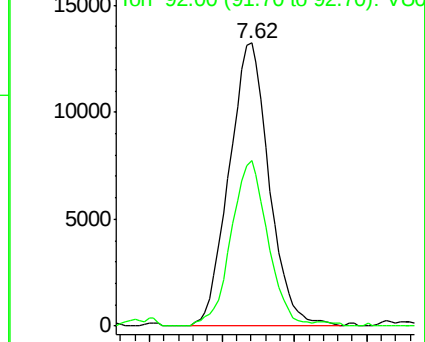
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9/24/2019 10:36:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VU034756.D (-2437) (-)



#52

Ethylbenzene

Concen: 1.426 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.01 min

Lab File: VU034756.D

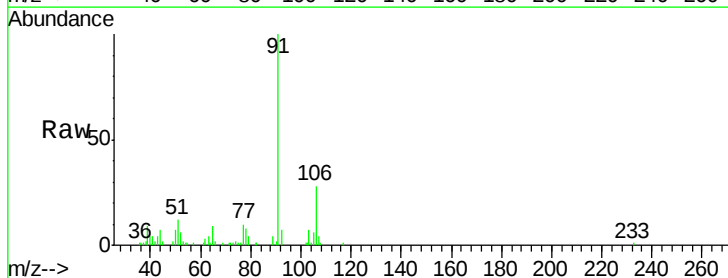
Acq: 24 Sep 2019 00:27

Tgt Ion: 91 Resp: 29516

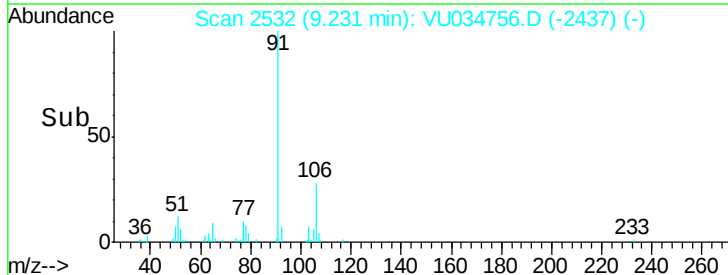
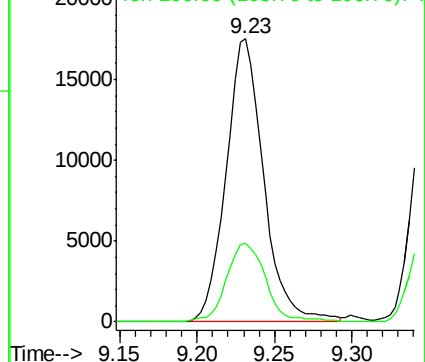
Ion Ratio Lower Upper

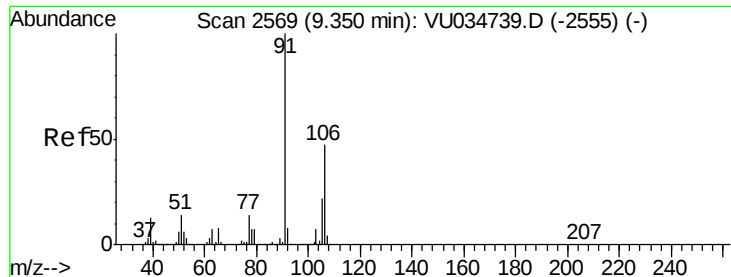
91 100

106 27.7 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU034756.D (-2437) (-)





#53

m,p-Xylene

Concen: 2.254 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034756.D

Acq: 24 Sep 2019 00:27

Instrument :

MSVOA_U

ClientSampled :

BFDK1

Tot Ion:106 Resp: 16525

Ion Ratio Lower Upper

106 100

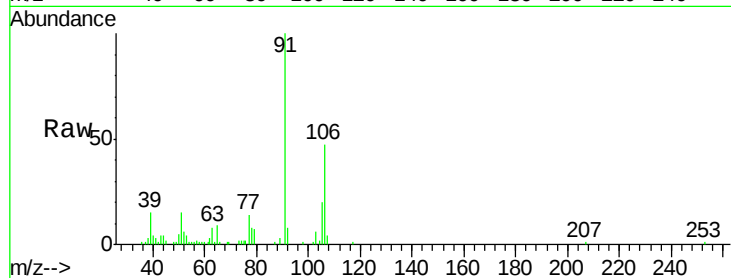
91 213.6 146.9 272.7

Manual Integrations

APPROVED

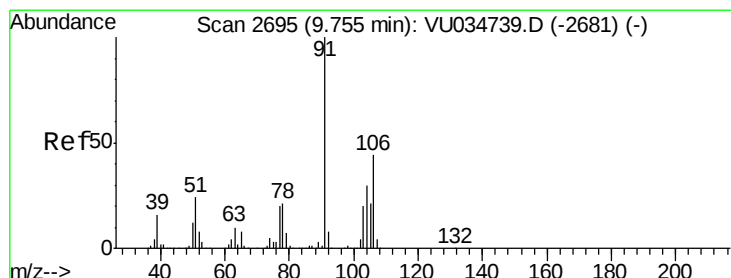
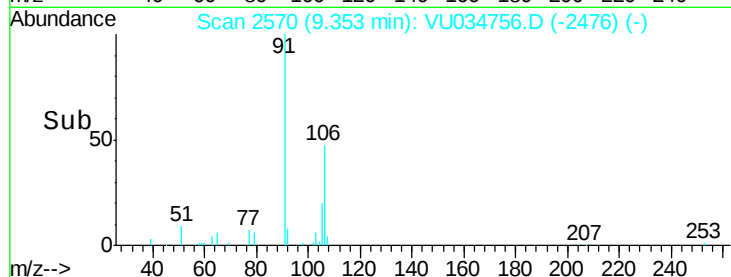
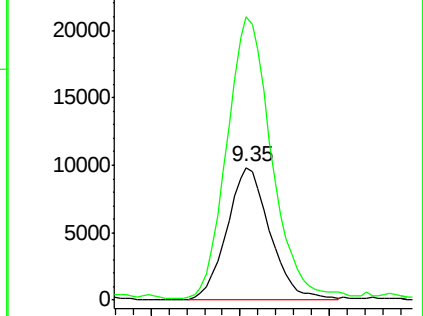
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 2.617 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034756.D

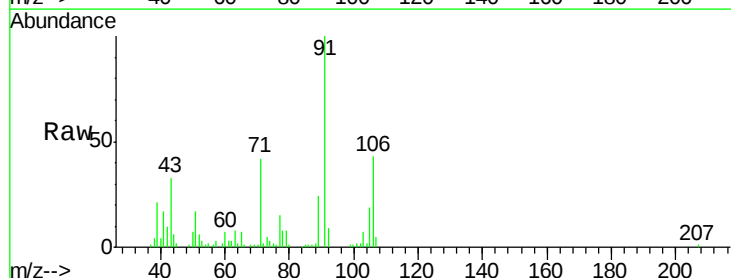
Acq: 24 Sep 2019 00:27

Tgt Ion:106 Resp: 18977

Ion Ratio Lower Upper

106 100

91 231.3 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

