

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060719\
 Data File : VU032534.D
 Acq On : 07 Jun 2019 11:32
 Operator : JC/SP
 Sample : K3215-13DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J8DL

Manual Integrations
 APPROVED

MMDadoda
 6/8/2019 2:20:18 PM

Quant Time: Jun 07 22:45:35 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Jun 07 22:19:39 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212402	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	198104	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102946	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76735	55.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.36%
7) Chloroethane-d5	1.68	69	59112	53.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.76%
11) 1,1-Dichloroethene-d2	2.27	63	109173	40.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.92%
21) 2-Butanone-d5	4.17	46	118628	102.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.87%
24) Chloroform-d	4.64	84	129994	50.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.16%
26) 1,2-Dichloroethane-d4	5.30	65	85352	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.44%
32) Benzene-d6	5.33	84	275625	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.18%
36) 1,2-Dichloropropane-d6	6.32	67	85199	52.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.66%
41) Toluene-d8	7.56	98	256392	52.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.16%
43) trans-1,3-Dichloropropene-	7.85	79	39099	50.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.32%
47) 2-Hexanone-d5	8.31	63	86015	109.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	124843	53.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	104339	52.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.84%

Target Compounds

					Ovalue
13) Acetone	2.31	43	83173	69.898 ug/L	99
22) 2-Butanone	4.29	43	2078m	1.478 ug/L	
33) Benzene	5.39	78	9001	1.617 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	16858	7.102 ug/L	98
42) Toluene	7.63	91	28194	4.625 ug/L	99
52) Ethylbenzene	9.25	91	10242	1.507 ug/L	98
53) m,p-Xylene	9.37	106	10771	4.169 ug/L	95
54) o-xylene	9.77	106	6649	2.592 ug/L	96

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

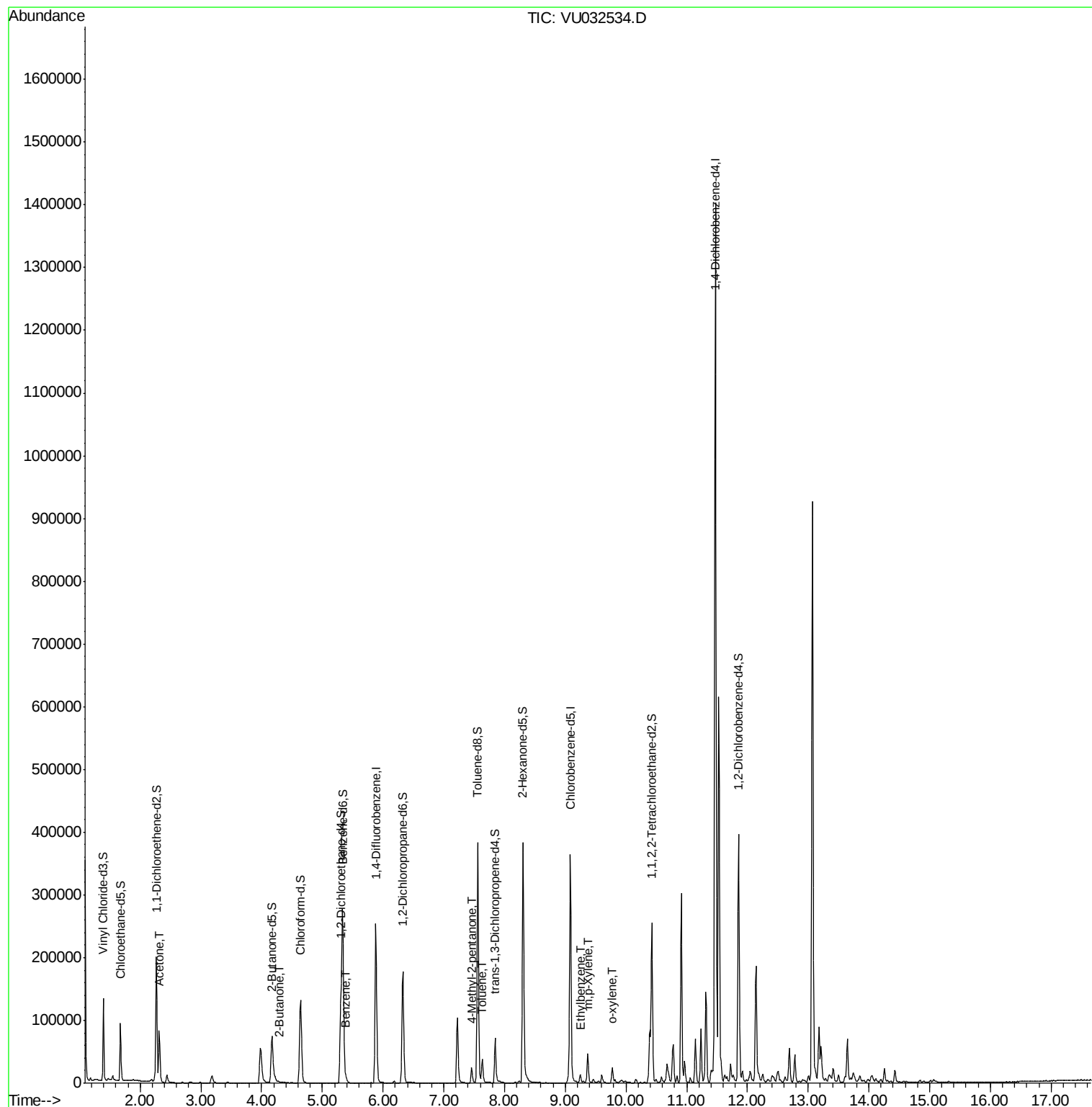
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU060719\
Data File : VU032534.D
Acq On : 07 Jun 2019 11:32
Operator : JC/SP
Sample : K3215-13DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

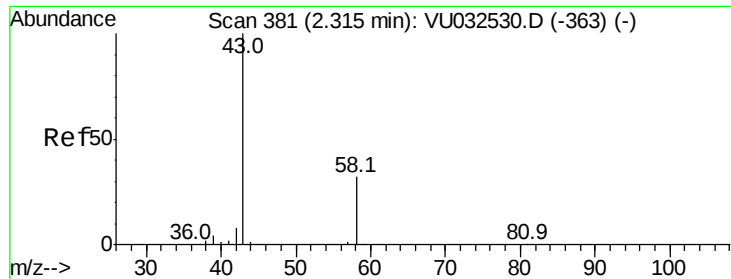
Instrument :
MSVOA_U
ClientSampleId :
DB8J8DL

Manual Integrations
APPROVED

MMDadoda
6/8/2019 2:20:18 PM

Quant Time: Jun 07 22:45:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 22:19:39 2019
Response via : Initial Calibration





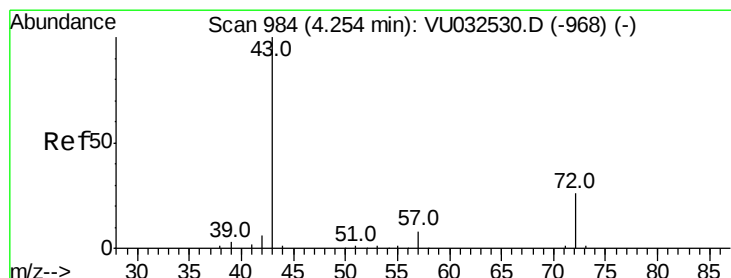
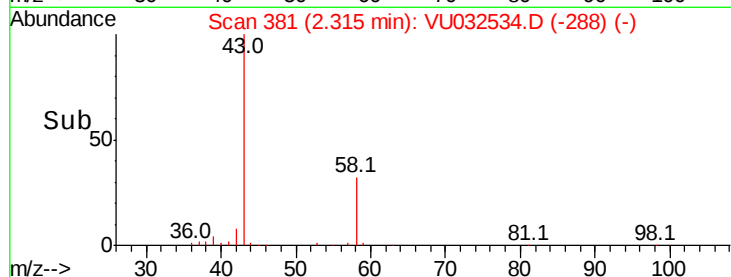
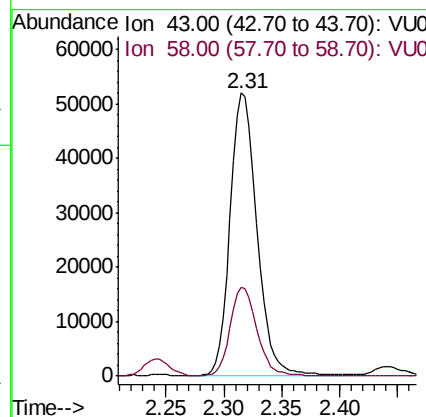
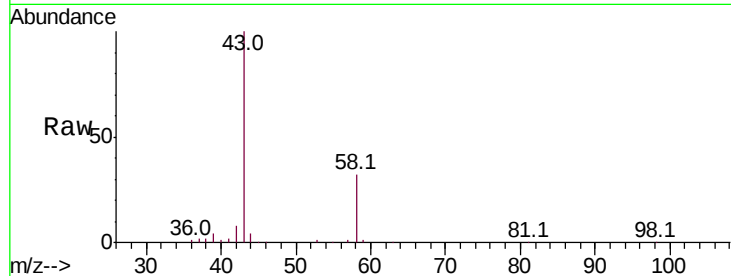
#13
Acetone
Concen: 69.898 ug/L
RT: 2.31 min Scan# 381
Delta R.T. 0.00 min
Lab File: VU032534.D
Acq: 07 Jun 2019 11:32

Instrument :
MSVOA_U
ClientSampleId :
DB8J8DL

Tot Ion: 43 Resp: 83173
Ion Ratio Lower Upper
43 100
58 31.2 0.0 64.0

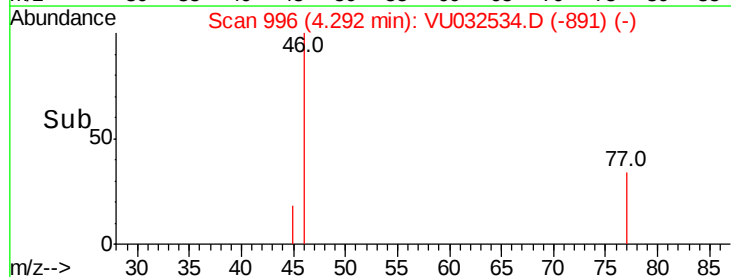
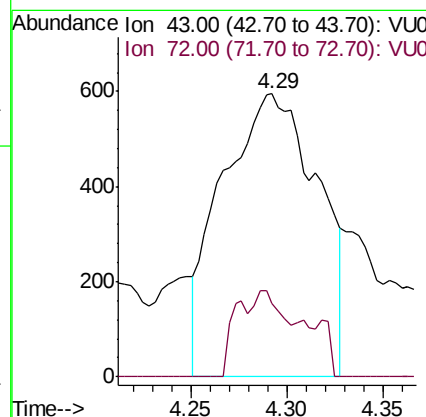
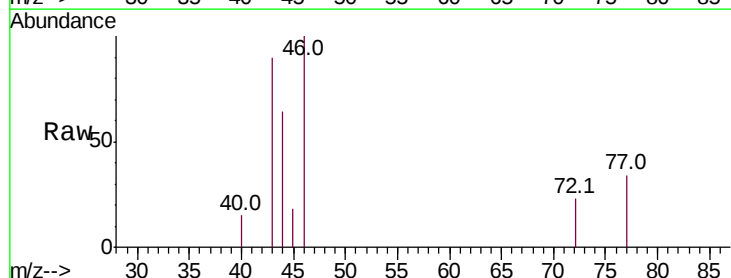
Manual Integrations
APPROVED

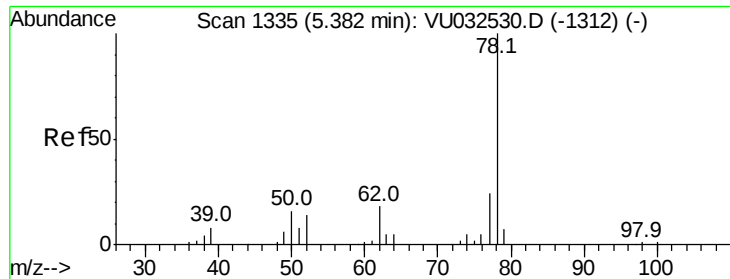
MMDadoda
6/8/2019 2:20:18 PM



#22
2-Butanone
Concen: 1.478 ug/L m
RT: 4.29 min Scan# 996
Delta R.T. 0.04 min
Lab File: VU032534.D
Acq: 07 Jun 2019 11:32

Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
72 5.2 13.1 39.3#





#33

Benzene

Concen: 1.617 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU032534.D

Acq: 07 Jun 2019 11:32

Instrument :

MSVOA_U

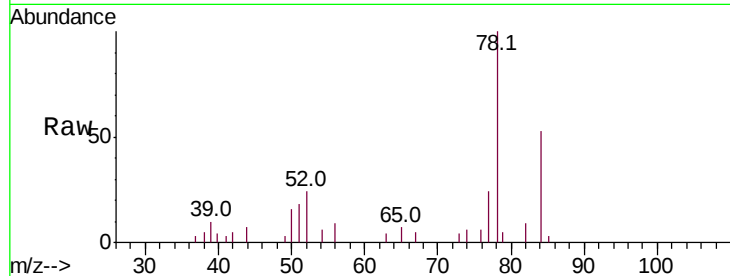
ClientSampleId :

DB8J8DL

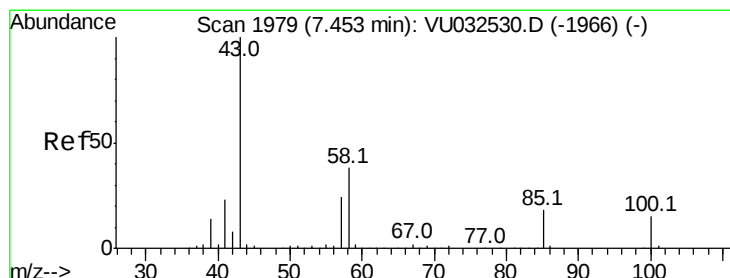
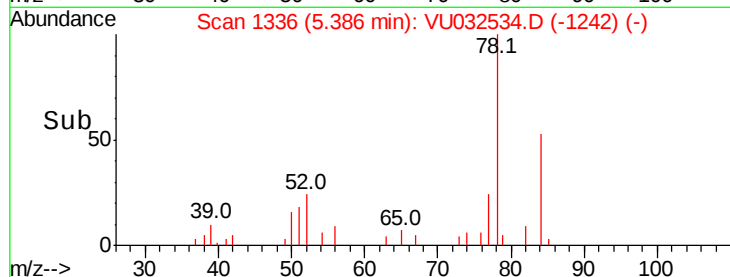
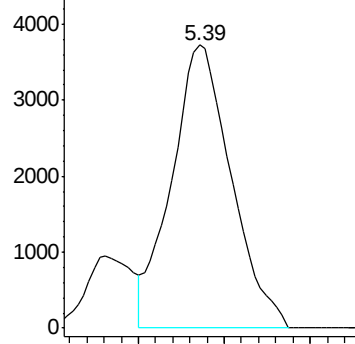
Tgt Ion: 78 Resp: 9001

Manual Integrations
APPROVED

MMDadoda
6/8/2019 2:20:18 PM



Abundance Ion 78.00 (77.70 to 78.70): VU0



#40

4-Methyl-2-pentanone

Concen: 7.102 ug/L

RT: 7.46 min Scan# 1981

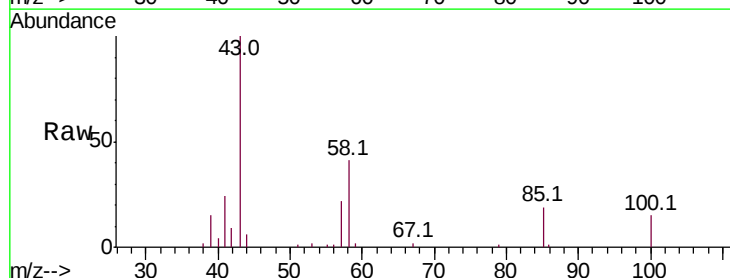
Delta R.T. 0.01 min

Lab File: VU032534.D

Acq: 07 Jun 2019 11:32

Tgt Ion: 43 Resp: 16858

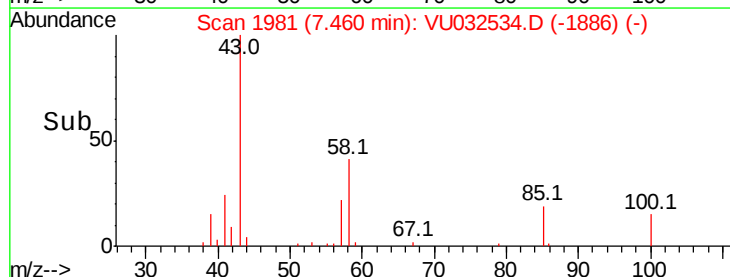
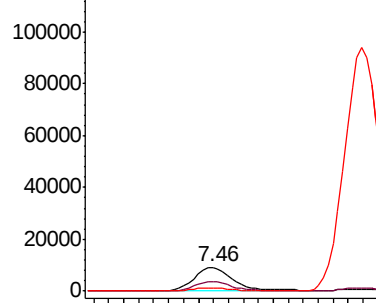
Ion	Ratio	Lower	Upper
43	100		
58	39.1	30.8	46.2
100	13.6	12.1	18.1

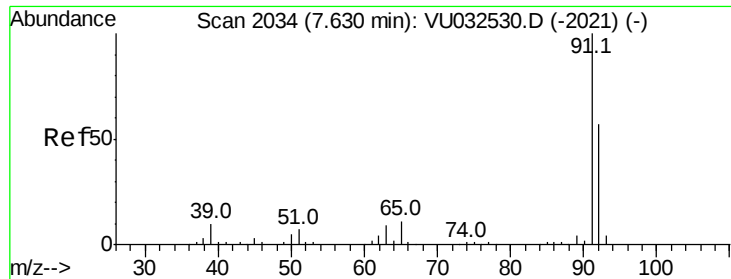


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 4.625 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032534.D

Acq: 07 Jun 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

DB8J8DL

Tot Ion: 91 Resp: 28194

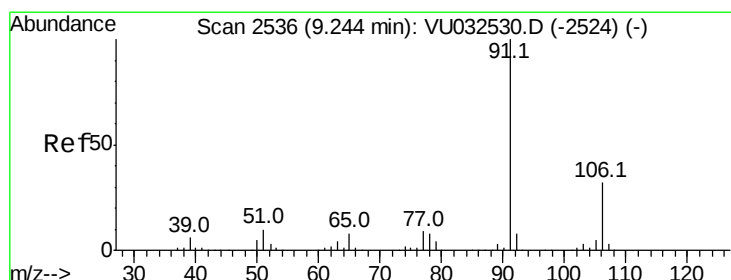
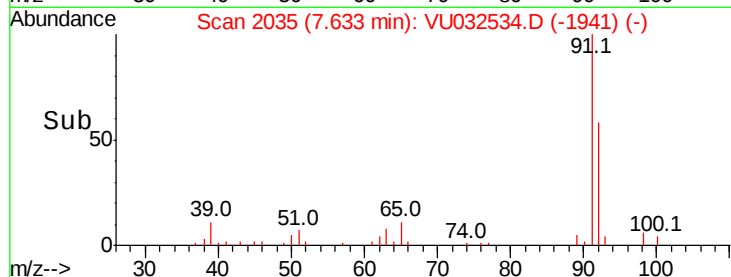
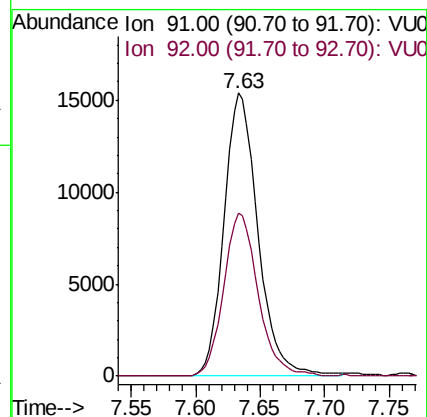
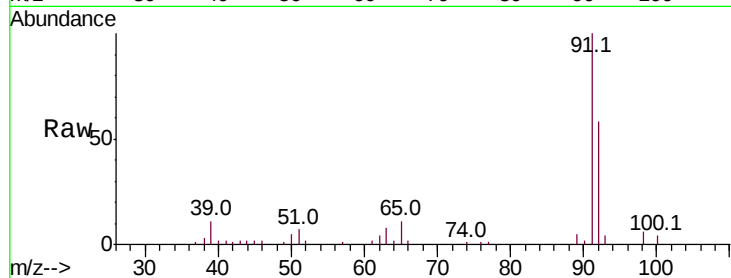
Ion Ratio Lower Upper

91 100

92 57.6 39.7 73.7

Manual Integrations
APPROVED

MMDadoda
6/8/2019 2:20:18 PM



#52

Ethylbenzene

Concen: 1.507 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032534.D

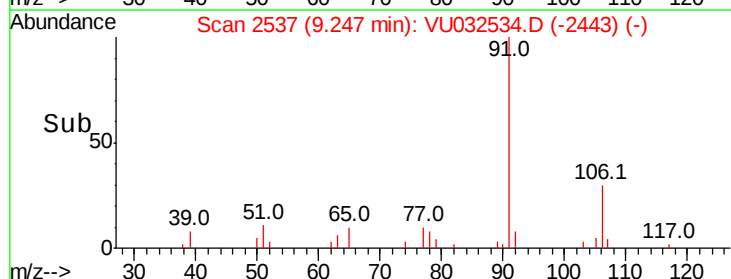
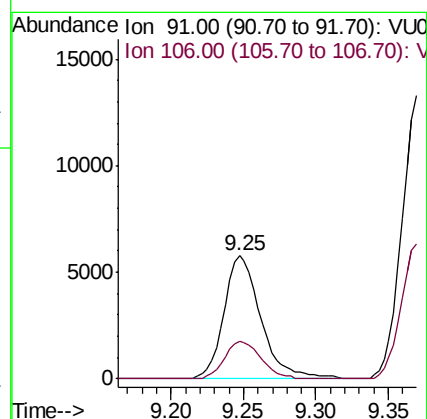
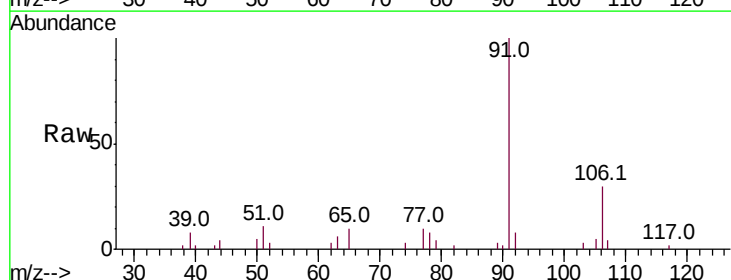
Acq: 07 Jun 2019 11:32

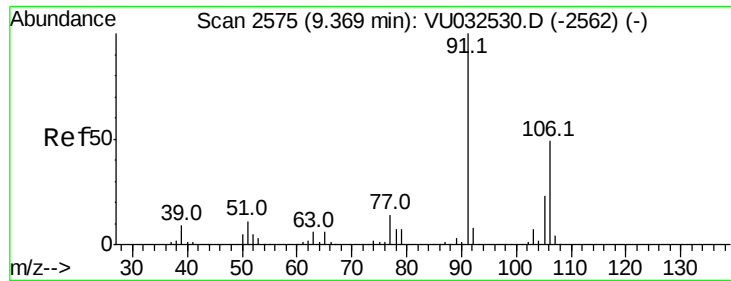
Tgt Ion: 91 Resp: 10242

Ion Ratio Lower Upper

91 100

106 30.2 22.0 41.0





#53

m,p-Xylene

Concen: 4.169 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032534.D

Acq: 07 Jun 2019 11:32

Instrument :

MSVOA_U

ClientSampled :

DB8J8DL

Tot Ion:106 Resp: 10771

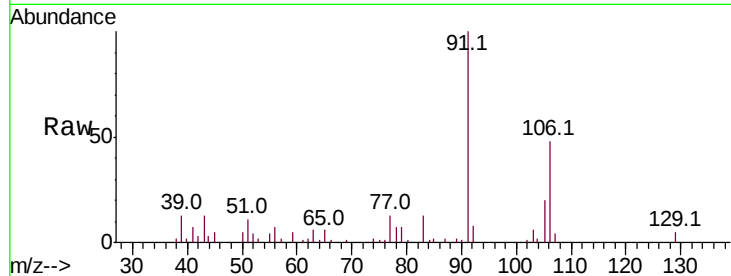
Ion Ratio Lower Upper

106 100

91 210.1 141.7 263.1

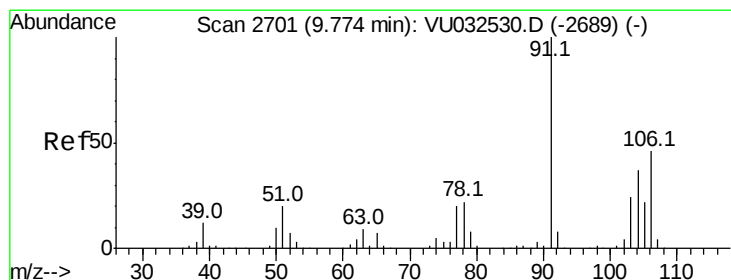
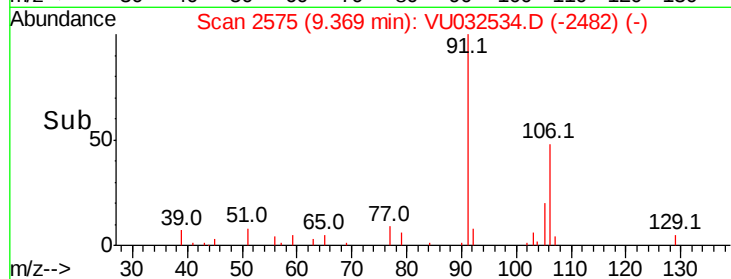
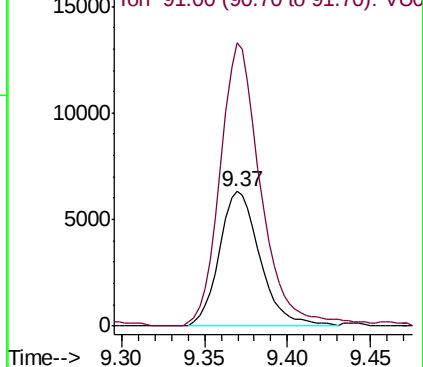
Manual Integrations
APPROVED

MMDadoda
6/8/2019 2:20:18 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 2.592 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032534.D

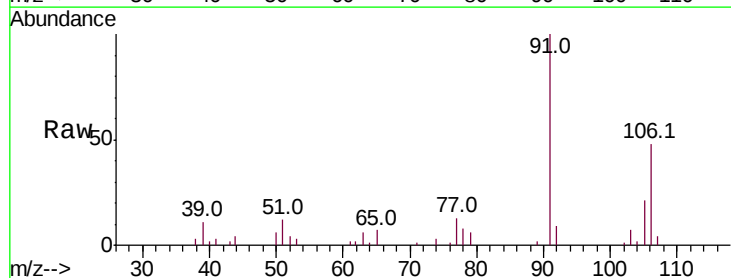
Acq: 07 Jun 2019 11:32

Tgt Ion:106 Resp: 6649

Ion Ratio Lower Upper

106 100

91 207.8 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

