

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030465.D
 Acq On : 26 Mar 2019 23:49
 Operator : JC/SP
 Sample : K2063-10 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6S3

Quant Time: Mar 27 08:10:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	458682	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	430459	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194120	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	177891	48.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.38%
7) Chloroethane-d5	1.67	69	146099	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.86%
11) 1,1-Dichloroethene-d2	2.27	63	249402	35.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.24%
21) 2-Butanone-d5	4.17	46	361448	104.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.16%
24) Chloroform-d	4.64	84	307154	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
26) 1,2-Dichloroethane-d4	5.31	65	211216	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
32) Benzene-d6	5.34	84	629485	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
36) 1,2-Dichloropropane-d6	6.32	67	221076	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.68%
41) Toluene-d8	7.56	98	547681	49.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.85	79	93730	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.40%
47) 2-Hexanone-d5	8.31	63	237529	103.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	304610	50.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	195597	50.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.58%

Target Compounds

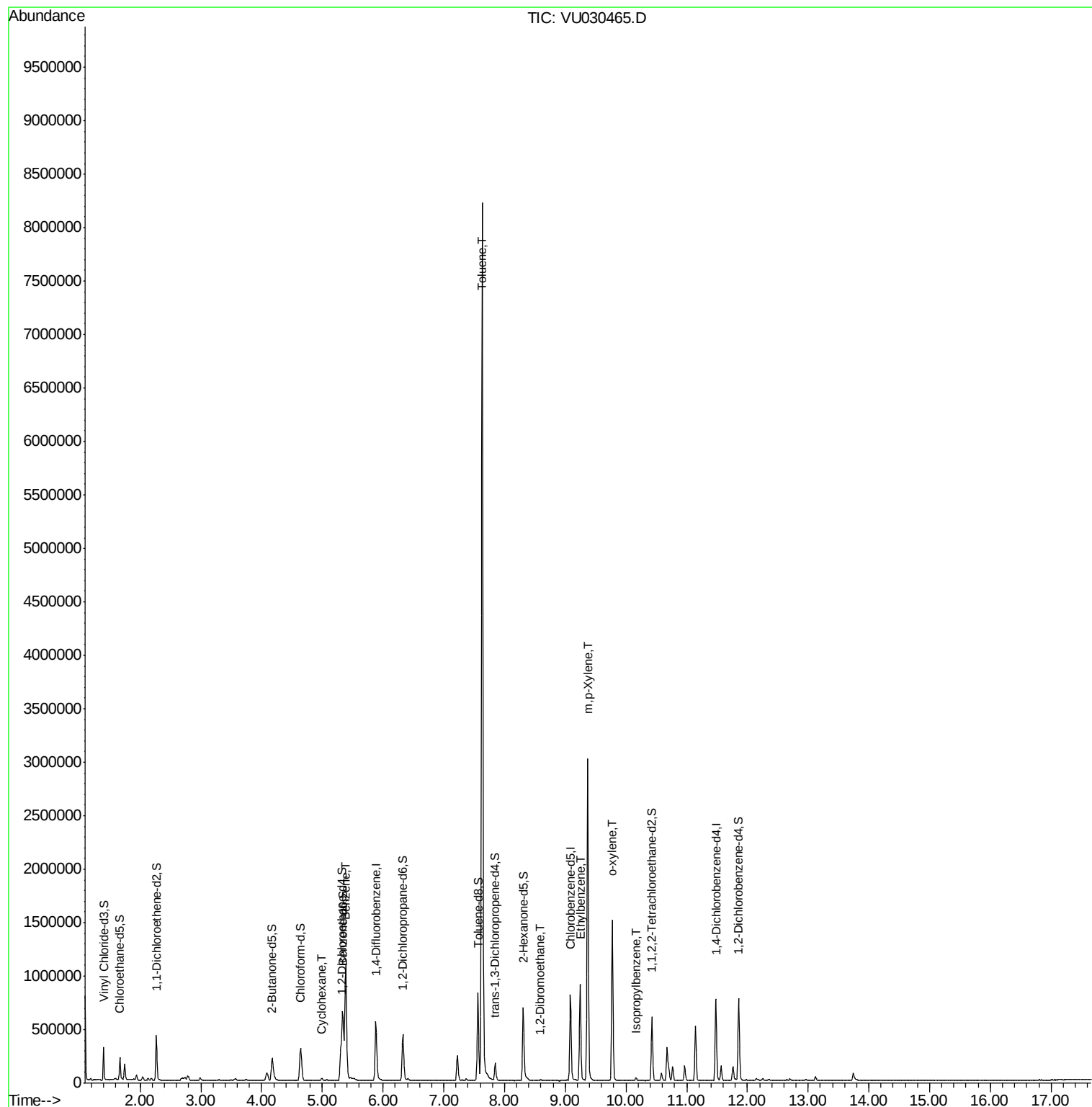
					Ovalue
29) Cyclohexane	4.99	56	9613	1.476 ug/L	94
33) Benzene	5.39	78	1057505	72.169 ug/L	100
42) Toluene	7.63	91	5920774	389.330 ug/L	99
50) 1,2-Dibromoethane	8.59	107	6637	1.760 ug/L #	82
52) Ethylbenzene	9.25	91	638288	38.745 ug/L	100
53) m,p-Xylene	9.37	106	807005	135.669 ug/L	100
54) o-xylene	9.77	106	375430	64.685 ug/L	100
56) Isopropylbenzene	10.16	105	18489	1.203 ug/L	96

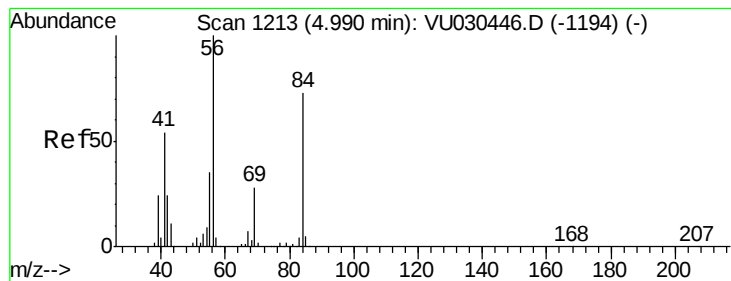
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration





#29

Cyclohexane

Concen: 1.476 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU030465.D

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Instrument :

MSVOA_U

ClientSampleId :

DB6S3

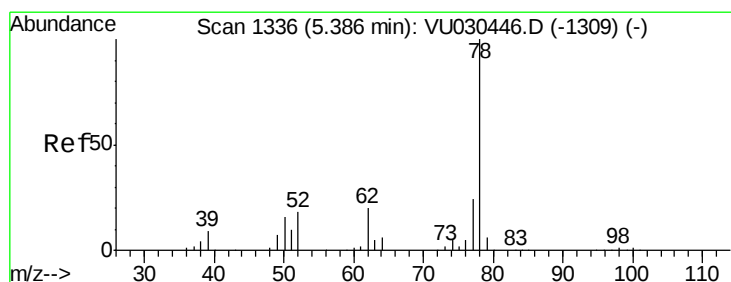
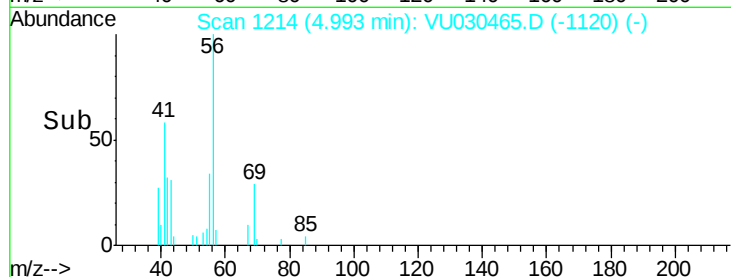
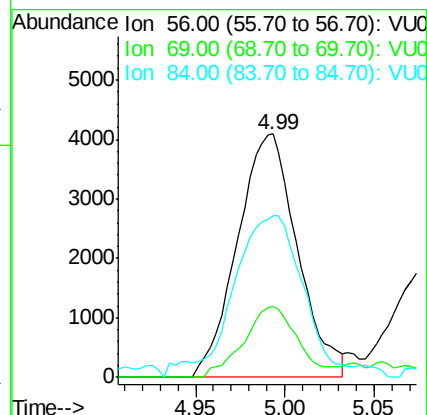
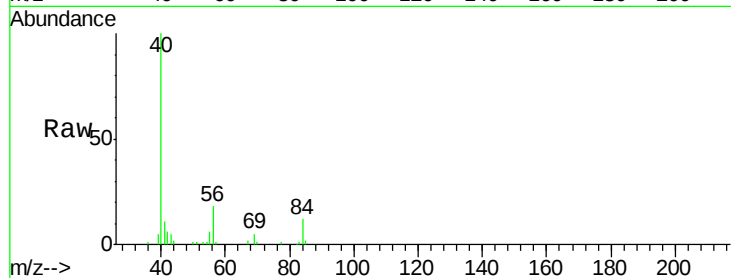
Tot Ion: 56 Resp: 9613

Ion Ratio Lower Upper

56 100

69 26.5 22.9 34.3

84 67.5 58.9 88.3



#33

Benzene

Concen: 72.169 ug/L

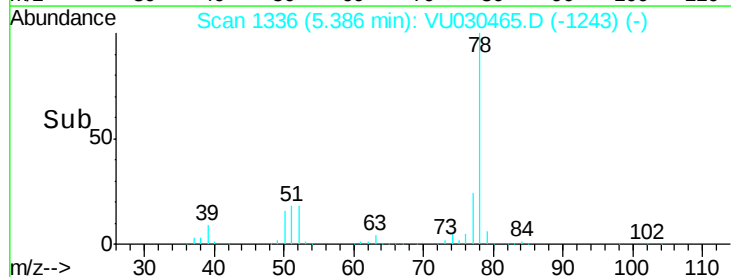
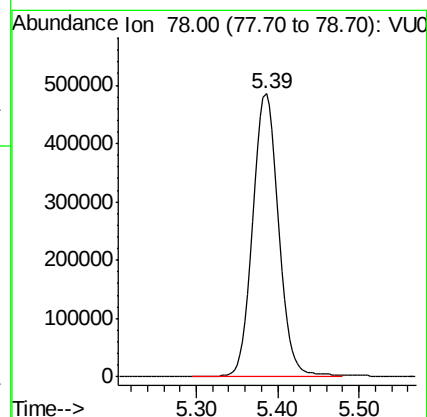
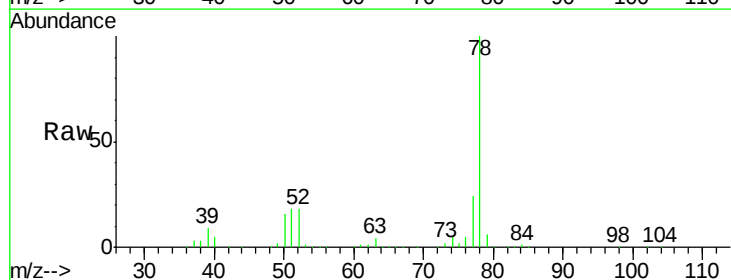
RT: 5.39 min Scan# 1336

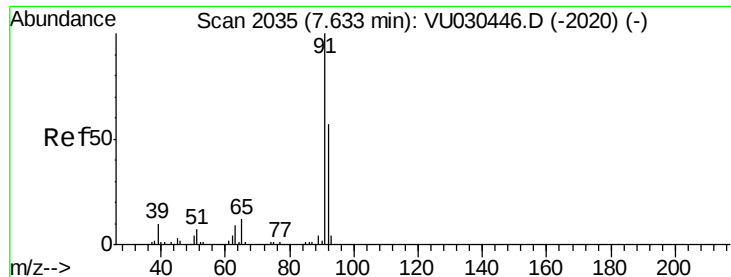
Delta R.T. -0.00 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Tgt Ion: 78 Resp: 1057505





#42

Toluene

Concen: 389.330 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

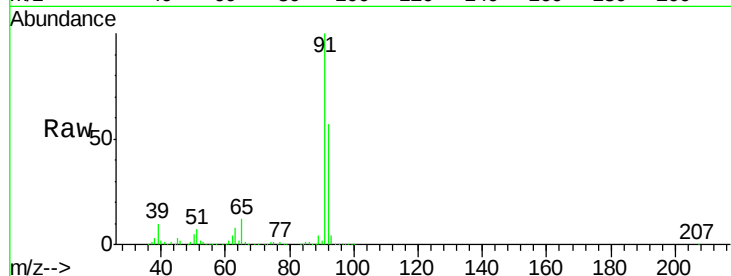
DB6S3

Tot Ion: 91 Resp: 5920774

Ion Ratio Lower Upper

91 100

92 57.1 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030446.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU030446.D (-2020) (-)

7.63

3000000

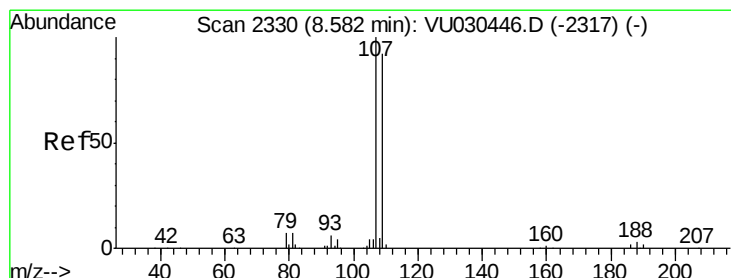
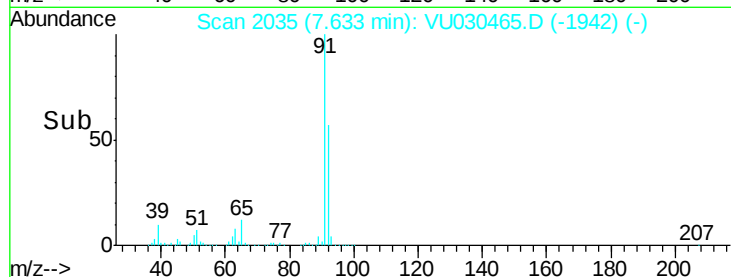
2000000

1000000

0

Time-->

7.50 7.60 7.70 7.80



#50

1,2-Dibromoethane

Concen: 1.760 ug/L

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

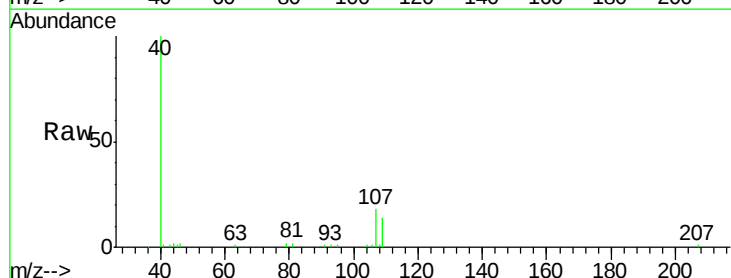
Tgt Ion:107 Resp: 6637

Ion Ratio Lower Upper

107 100

109 75.9 65.8 122.2

188 0.0 2.6 4.0#



Abundance Ion 107.00 (106.70 to 107.70): VU030446.D (-2317) (-)

Ion 109.00 (108.70 to 109.70): VU030446.D (-2317) (-)

Ion 188.00 (187.70 to 188.70): VU030446.D (-2317) (-)

8.59

5000

4000

3000

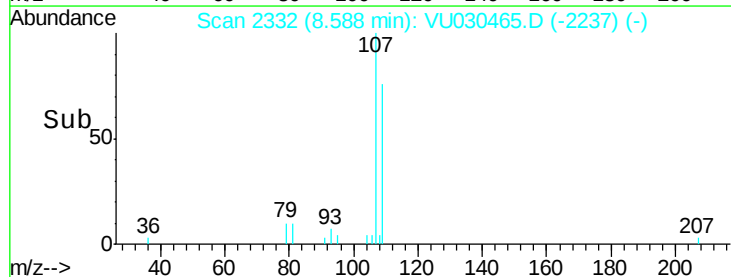
2000

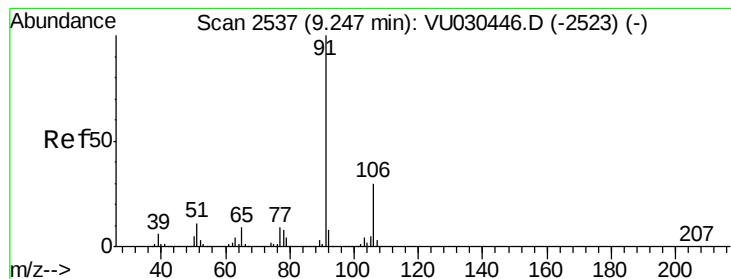
1000

0

Time-->

8.55 8.60 8.65





#52

Ethylbenzene

Concen: 38.745 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

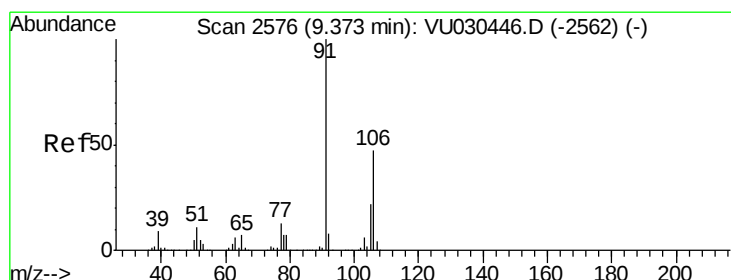
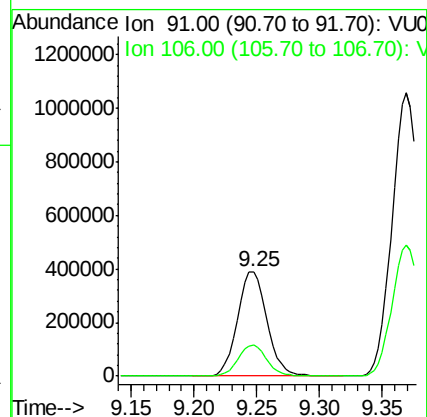
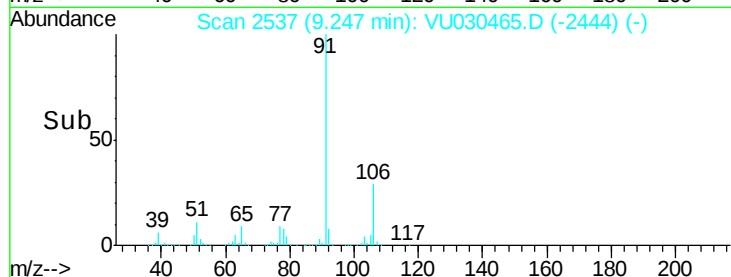
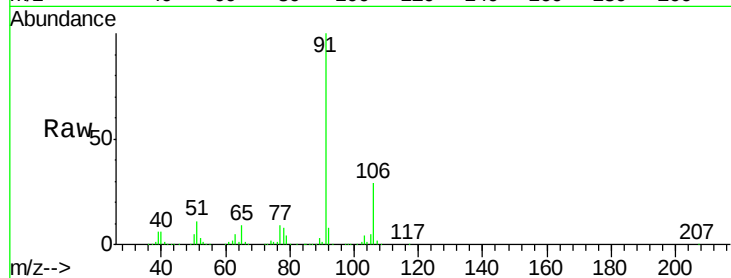
DB6S3

Tot Ion: 91 Resp: 638288

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.2



#53

m,p-Xylene

Concen: 135.669 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030465.D

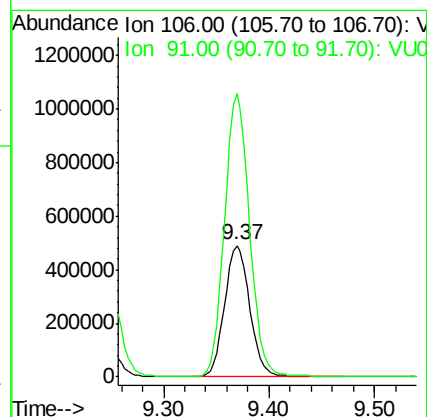
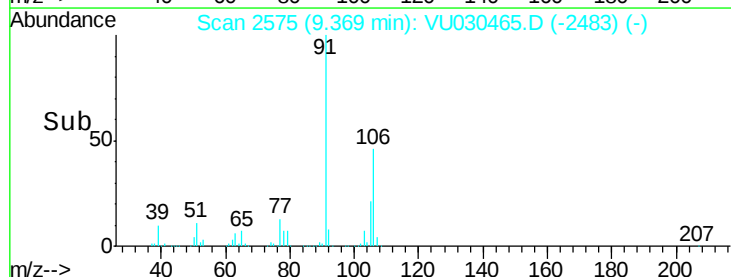
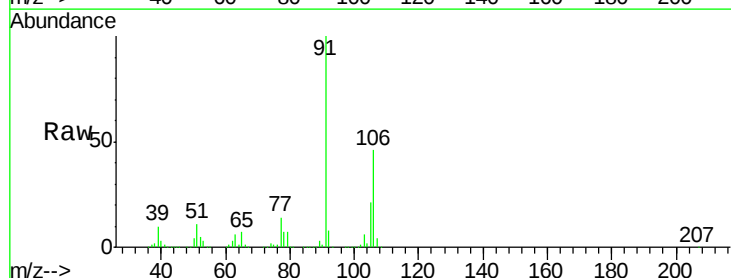
Acq: 26 Mar 2019 23:49

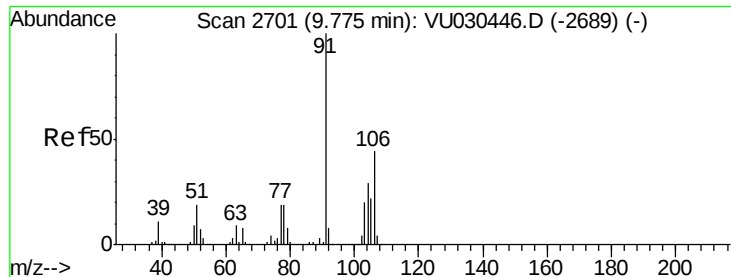
Tgt Ion: 106 Resp: 807005

Ion Ratio Lower Upper

106 100

91 215.3 151.2 280.8





#54

o-xylene

Concen: 64.685 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

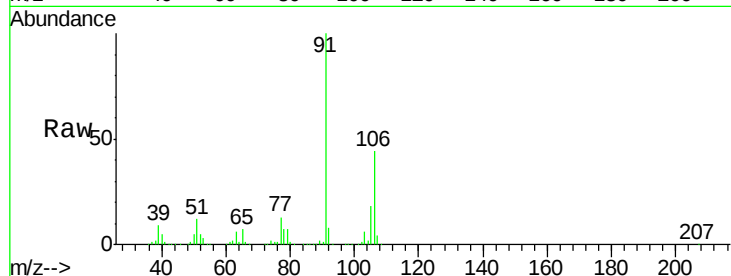
DB6S3

Tot Ion:106 Resp: 375430

Ion Ratio Lower Upper

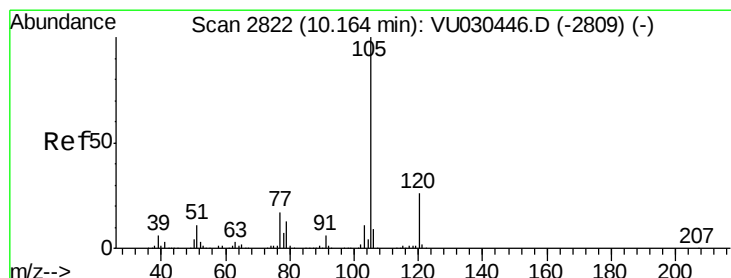
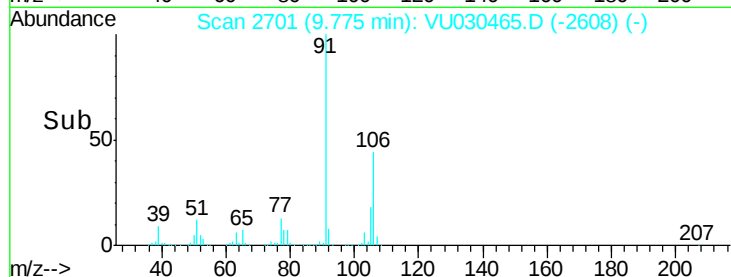
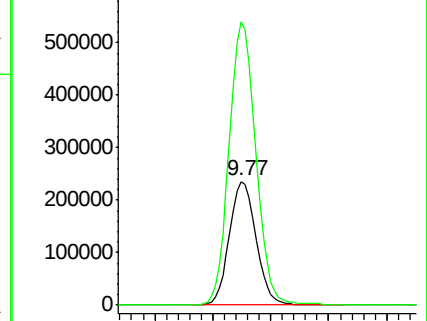
106 100

91 228.7 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.203 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

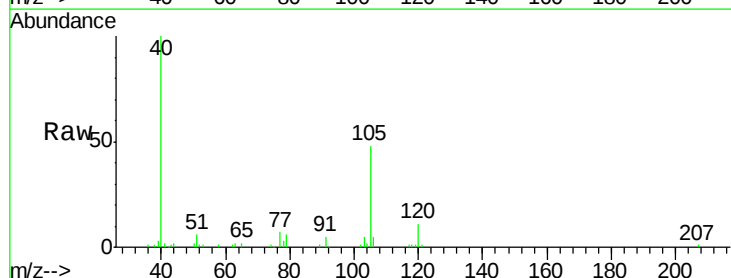
Tgt Ion:105 Resp: 18489

Ion Ratio Lower Upper

105 100

120 23.3 20.2 30.2

77 15.1 13.2 19.8



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

