

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\
 Data File : VU030633.D
 Acq On : 03 Apr 2019 17:33
 Operator : JC/SP
 Sample : K2168-13
 Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF638

Quant Time: Apr 04 07:55:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:52:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	540315	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	526553	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	271669	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	166578	38.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.62%
7) Chloroethane-d5	1.64	69	111500	32.35	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.70%#
11) 1,1-Dichloroethene-d2	2.24	63	258904	31.39	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.78%
21) 2-Butanone-d5	4.19	46	291824	71.39	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.39%
24) Chloroform-d	4.64	84	290140	38.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.46%
26) 1,2-Dichloroethane-d4	5.30	65	195863	39.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.90%
32) Benzene-d6	5.33	84	633244	41.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.88%
36) 1,2-Dichloropropane-d6	6.32	67	210530	40.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.50%
41) Toluene-d8	7.56	98	603122	44.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.94%
43) trans-1,3-Dichloropropene-	7.85	79	103061	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.84%
47) 2-Hexanone-d5	8.32	63	231365	82.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316751	42.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	238160	43.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.50%

Target Compounds

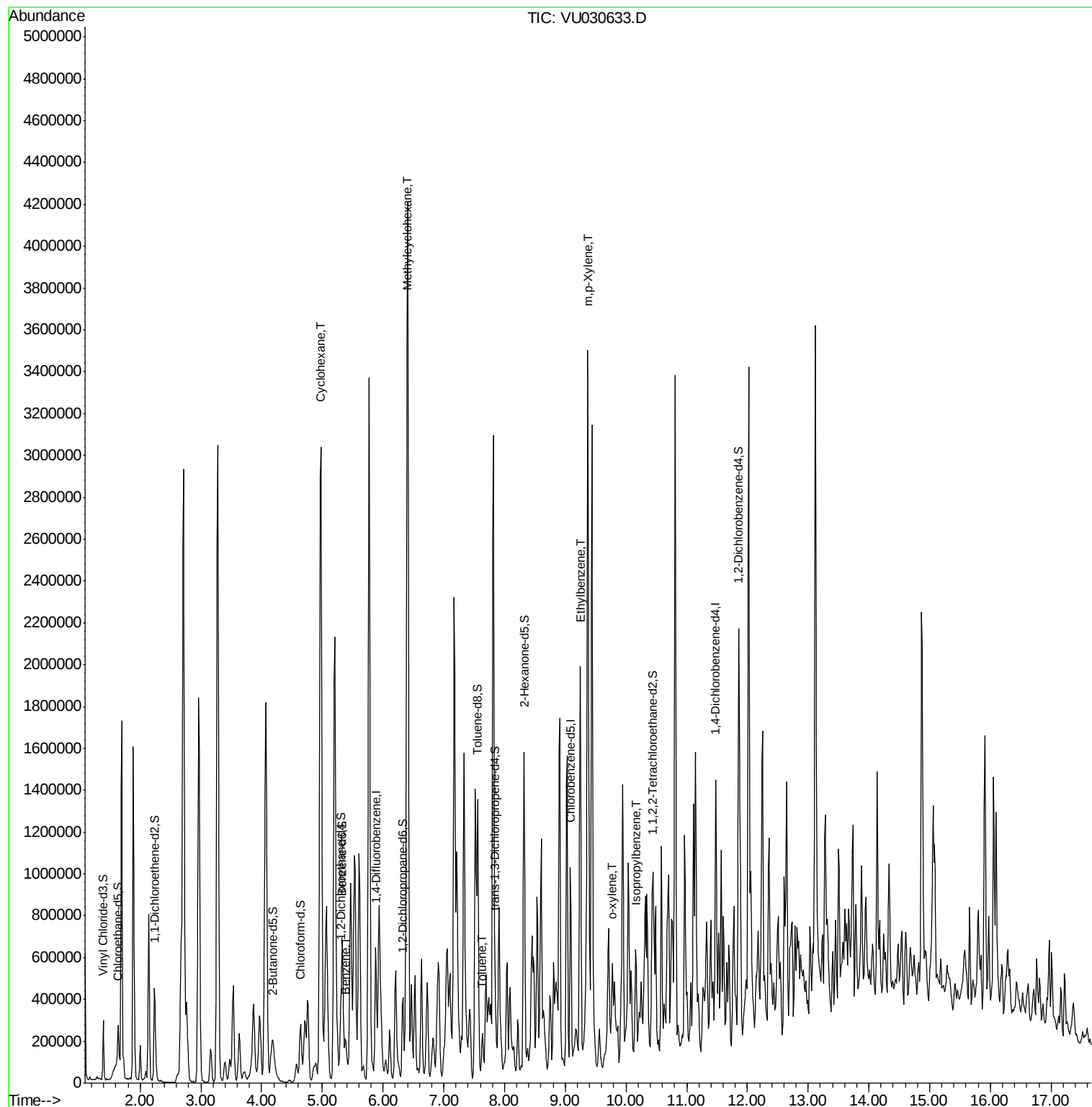
					Ovalue
29) Cyclohexane	4.98	56	1125402	141.233	ug/L # 87
33) Benzene	5.38	78	161946	9.035	ug/L 100
35) Methylcyclohexane	6.40	83	1730997	238.725	ug/L 97
42) Toluene	7.63	91	109374	5.880	ug/L 99
52) Ethylbenzene	9.25	91	1244677	61.766	ug/L 98
53) m,p-Xylene	9.37	106	886280	121.805	ug/L 97
54) o-xylene	9.78	106	121695	17.141	ug/L 98
56) Isopropylbenzene	10.16	105	251405	13.373	ug/L 99

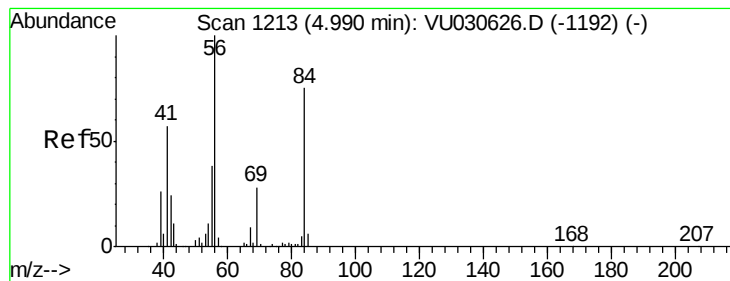
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#29

Cyclohexane

Concen: 141.233 ug/L

RT: 4.98 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VU030633.D

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Instrument :

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ClientSampleId :

BF638

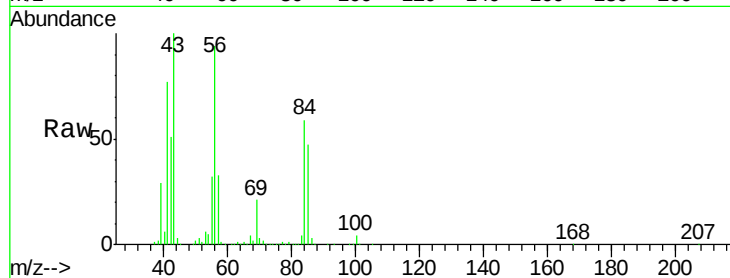
Tot Ion: 56 Resp: 1125402

Ion Ratio Lower Upper

56 100

69 21.7 22.9 34.3#

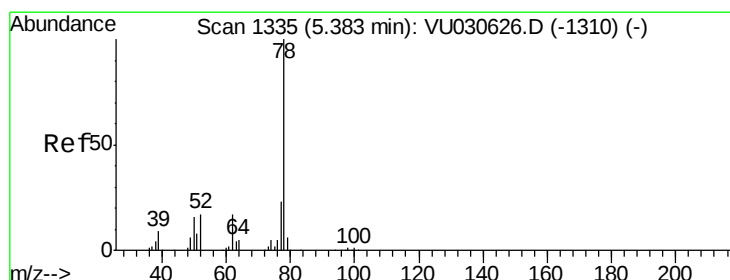
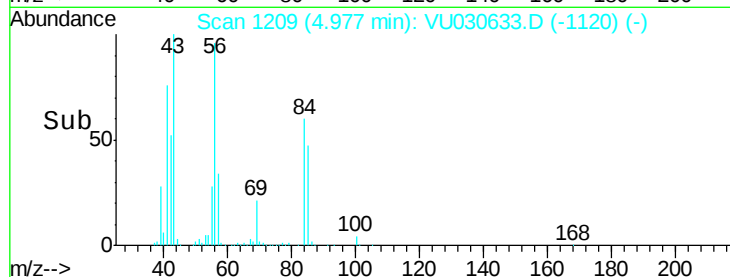
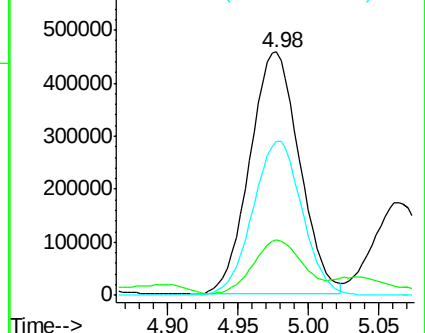
84 62.9 58.9 88.3



Abundance Ion 56.00 (55.70 to 56.70): VU030633.D (-1209) (-)

Ion 69.00 (68.70 to 69.70): VU030633.D (-1209) (-)

Ion 84.00 (83.70 to 84.70): VU030633.D (-1209) (-)



#33

Benzene

Concen: 9.035 ug/L

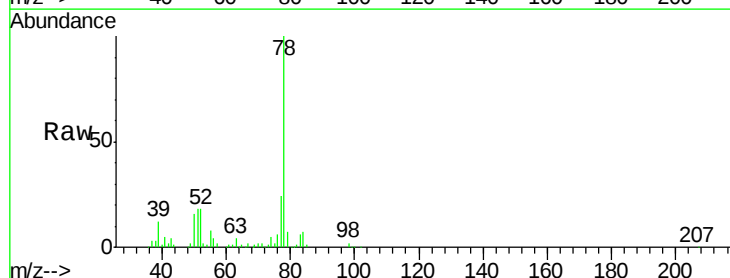
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

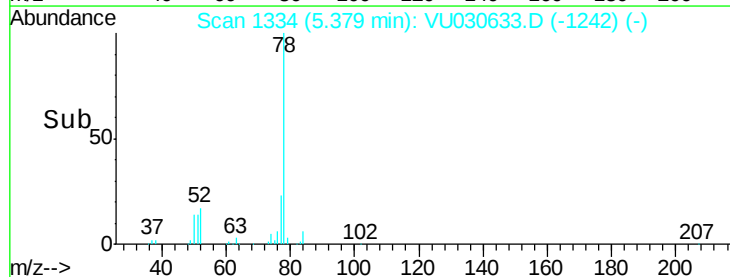
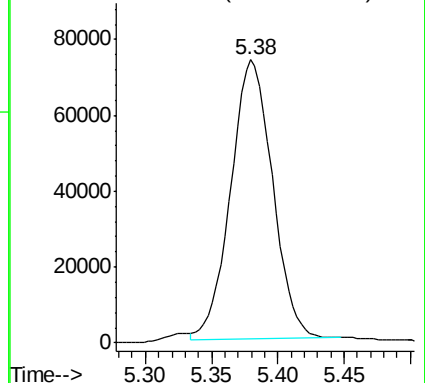
Lab File: VU030633.D

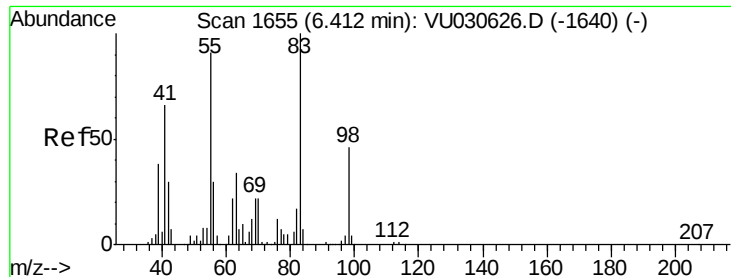
Acq: 03 Apr 2019 17:33

Tgt Ion: 78 Resp: 161946



Abundance Ion 78.00 (77.70 to 78.70): VU030633.D (-1334) (-)

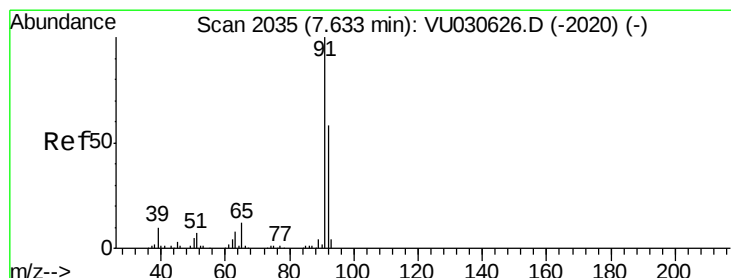
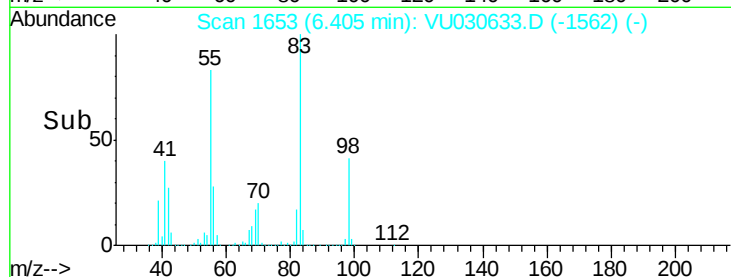
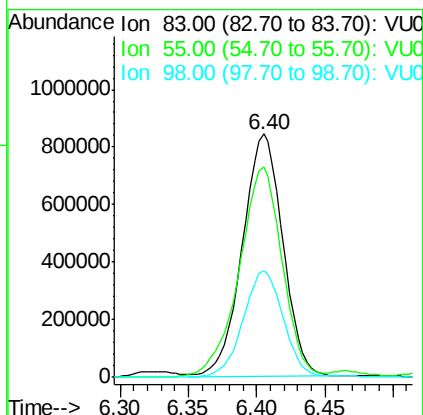
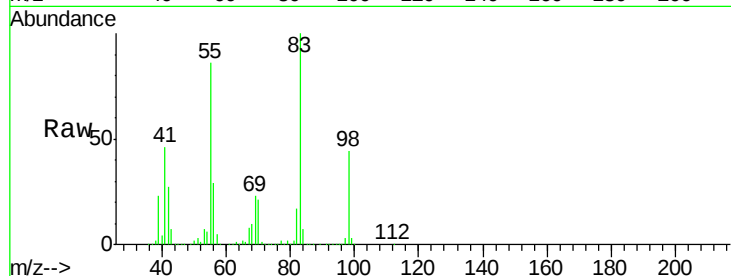




#35
Methvlcvclohexane
Concen: 238.725 ug/L
RT: 6.40 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VU030633.D
Acq: 03 Apr 2019 17:33

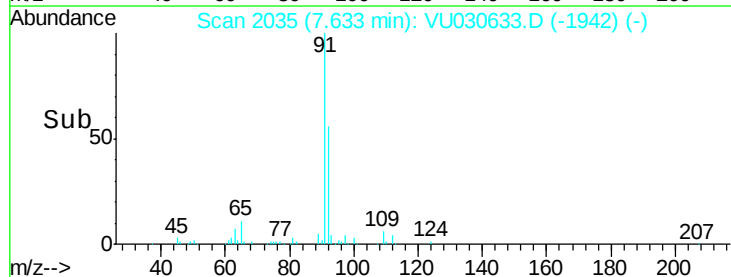
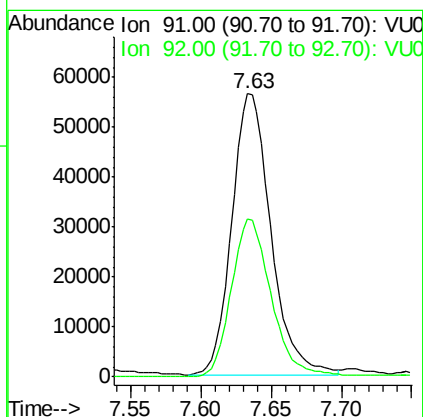
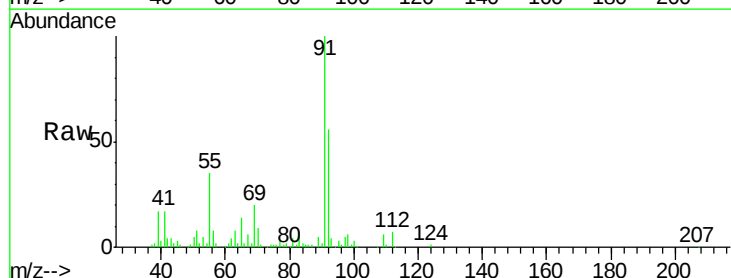
Instrument :
MSVOA_U
ClientSampleId :
BF638

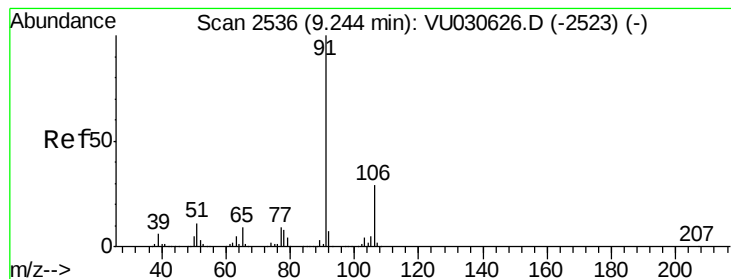
Tot Ion: 83 Resp: 1730997
Ion Ratio Lower Upper
83 100
55 92.4 71.4 107.0
98 43.6 36.0 54.0



#42
Toluene
Concen: 5.880 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030633.D
Acq: 03 Apr 2019 17:33

Tgt Ion: 91 Resp: 109374
Ion Ratio Lower Upper
91 100
92 55.9 39.7 73.7





#52

Ethylbenzene

Concen: 61.766 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030633.D

Acq: 03 Apr 2019 17:33

Instrument :

MSVOA_U

ClientSampleId :

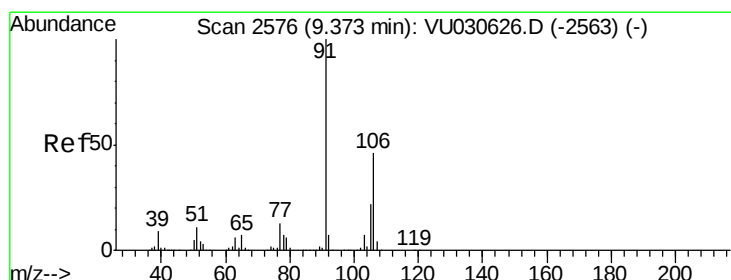
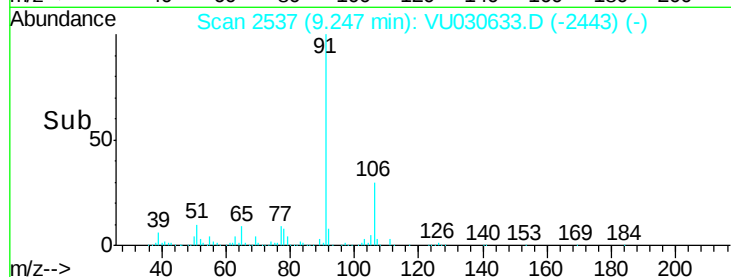
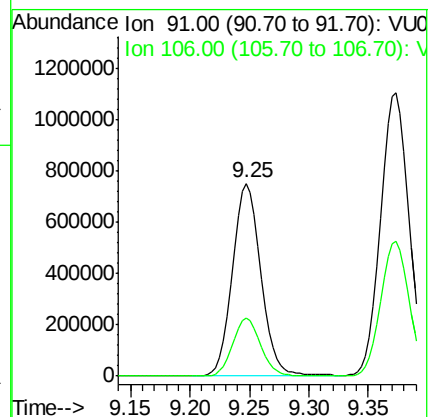
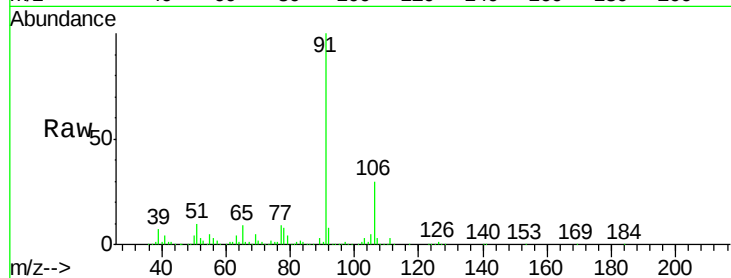
BF638

Tot Ion: 91 Resp: 1244677

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.2



#53

m,p-Xylene

Concen: 121.805 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU030633.D

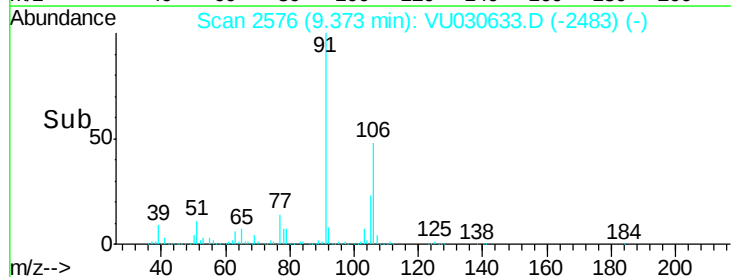
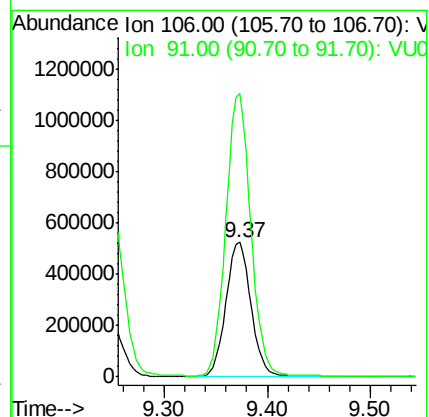
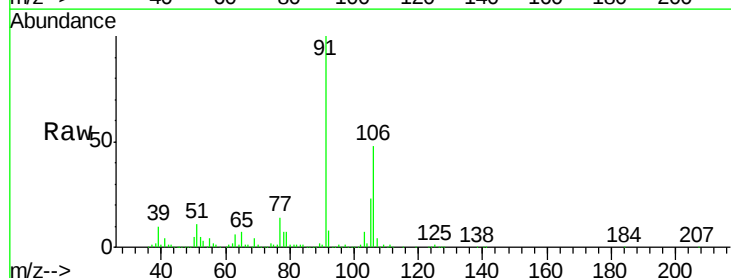
Acq: 03 Apr 2019 17:33

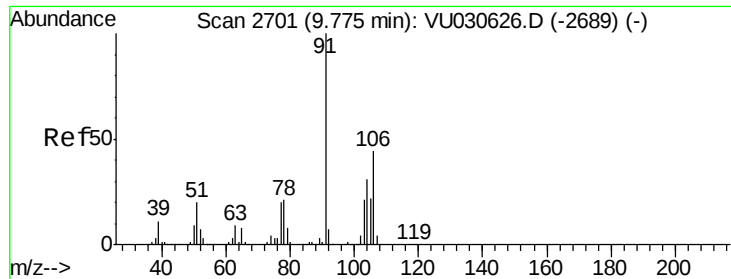
Tgt Ion: 106 Resp: 886280

Ion Ratio Lower Upper

106 100

91 210.5 151.2 280.8





#54

o-xylene

Concen: 17.141 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030633.D

Acq: 03 Apr 2019 17:33

Instrument :

MSVOA_U

ClientSampled :

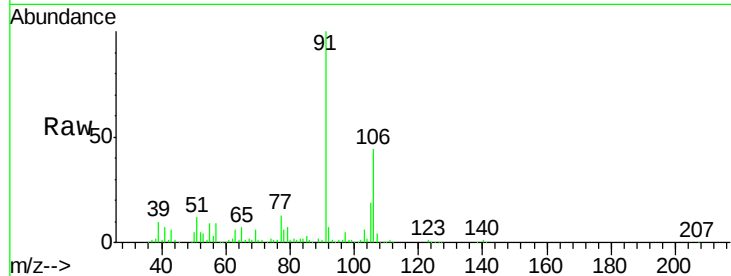
BF638

Tot Ion:106 Resp: 121695

Ion Ratio Lower Upper

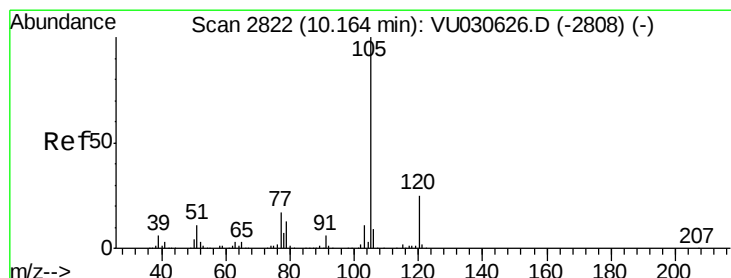
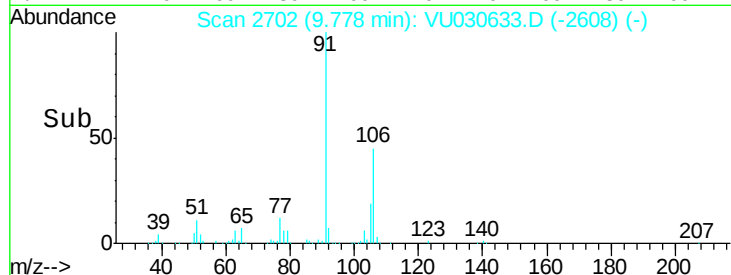
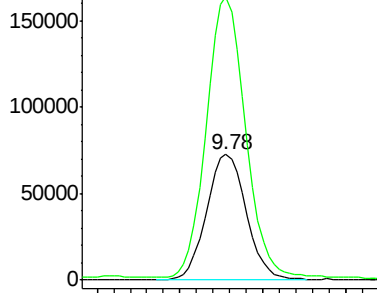
106 100

91 224.8 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 13.373 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030633.D

Acq: 03 Apr 2019 17:33

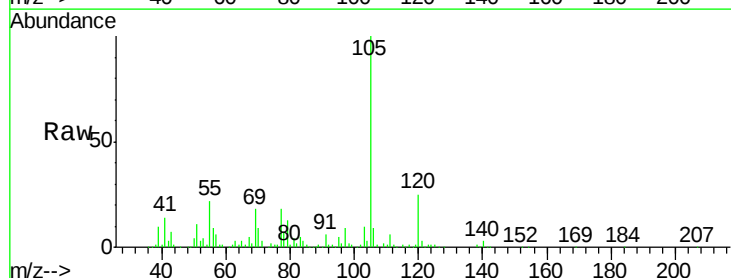
Tgt Ion:105 Resp: 251405

Ion Ratio Lower Upper

105 100

120 24.9 20.2 30.2

77 17.3 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

