

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036637.D
 Acq On : 30 Jan 2020 23:20
 Operator : JC/MD
 Sample : L1324-04 10X
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAT61

Quant Time: Jan 31 06:15:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 04:01:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	287366	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	282854	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	151140	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	69337	32.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.42%
7) Chloroethane-d5	1.89	69	20312	11.00	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	22.00%#
11) 1,1-Dichloroethene-d2	2.57	63	95731	27.51	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.02%#
21) 2-Butanone-d5	4.68	46	98468	77.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.07%
24) Chloroform-d	5.11	84	135940	38.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.14%
26) 1,2-Dichloroethane-d4	5.74	65	92087	41.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.84%
32) Benzene-d6	5.76	84	323134	40.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.22%
36) 1,2-Dichloropropane-d6	6.73	67	104292	42.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.12%
41) Toluene-d8	7.93	98	311591	40.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.42%
43) trans-1,3-Dichloropropene-	8.21	79	47494	40.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.56%
47) 2-Hexanone-d5	8.67	63	128345	111.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.63%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	162151	44.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.96%
64) 1,2-Dichlorobenzene-d4	12.21	152	138749	42.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.56%

Target Compounds

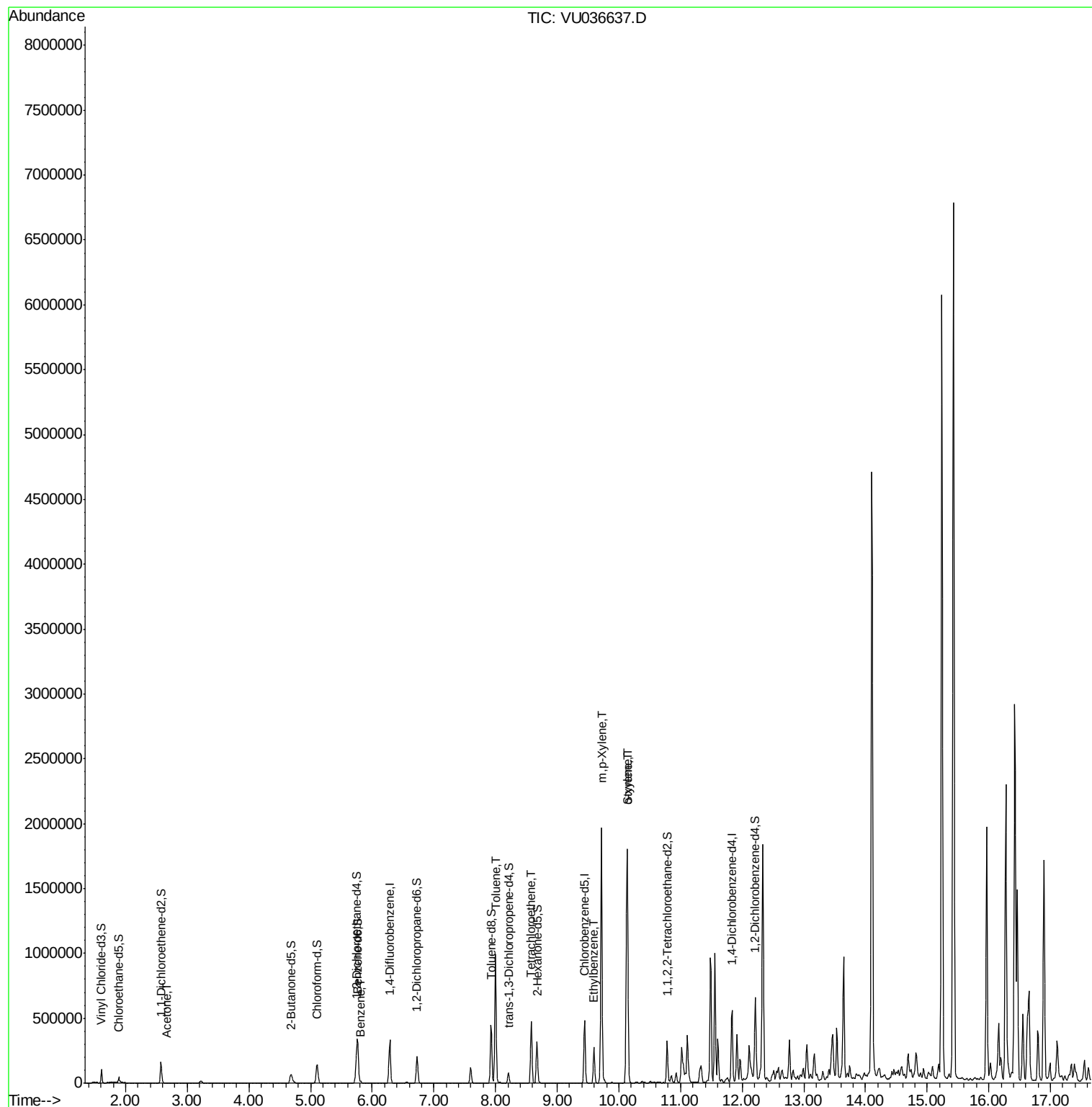
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	2515	2.034	ug/L	98
33) Benzene	5.81	78	12468	1.474	ug/L	100
42) Toluene	8.00	91	732872	79.729	ug/L	98
46) Tetrachloroethene	8.58	164	112726	63.748	ug/L	97
52) Ethylbenzene	9.60	91	197989	19.662	ug/L	99
53) m,p-Xylene	9.72	106	581340	148.022	ug/L	98
54) o-xylene	10.13	106	263181	67.181	ug/L	98
55) Styrene	10.14	104	691922	108.838	ug/L	100

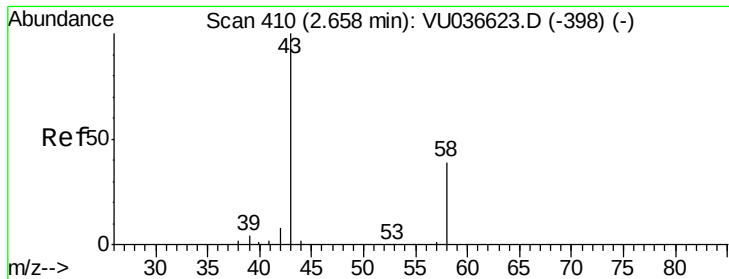
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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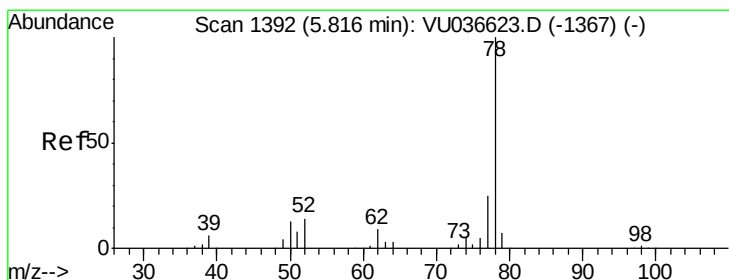
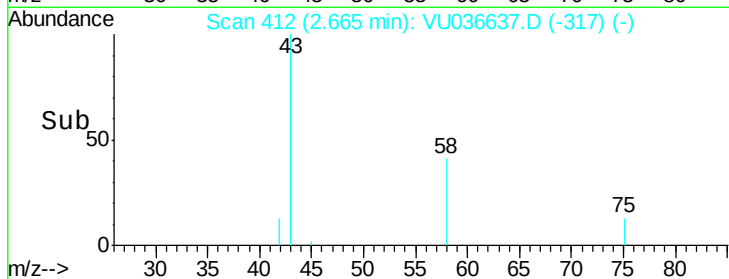
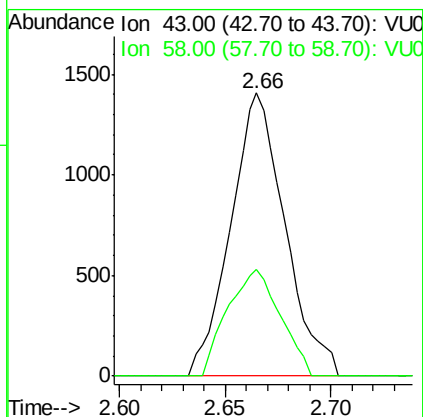
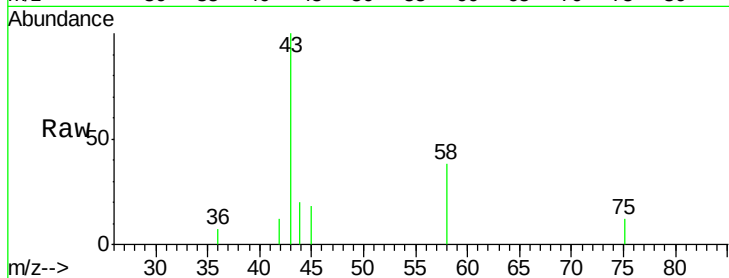




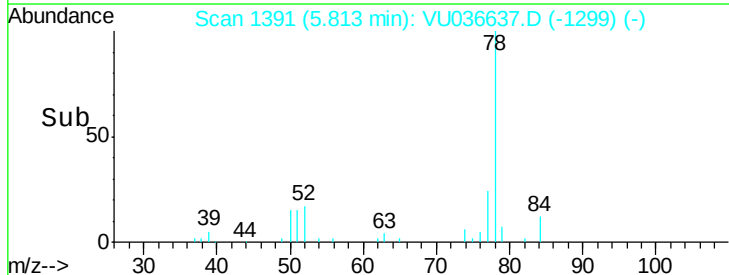
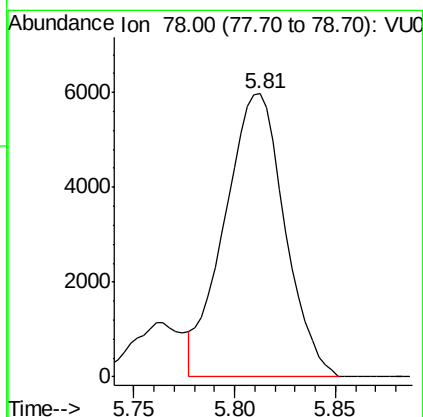
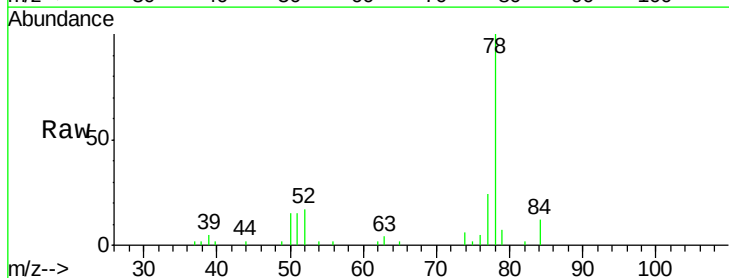
#13
Acetone
Concen: 2.034 ug/L
RT: 2.66 min Scan# 412
Delta R.T. 0.01 min
Lab File: VU036637.D
Acq: 30 Jan 2020 23:20

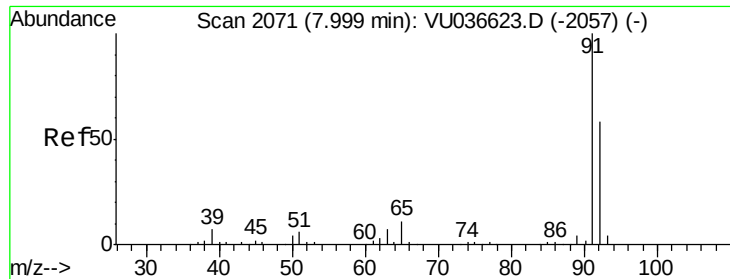
Instrument :
MSVOA_U
ClientSampleId :
GAT61

Tot Ion: 43 Resp: 2515
Ion Ratio Lower Upper
43 100
58 36.7 0.0 75.4



#33
Benzene
Concen: 1.474 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU036637.D
Acq: 30 Jan 2020 23:20
Tgt Ion: 78 Resp: 12468





#42

Toluene

Concen: 79.729 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036637.D

Acq: 30 Jan 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

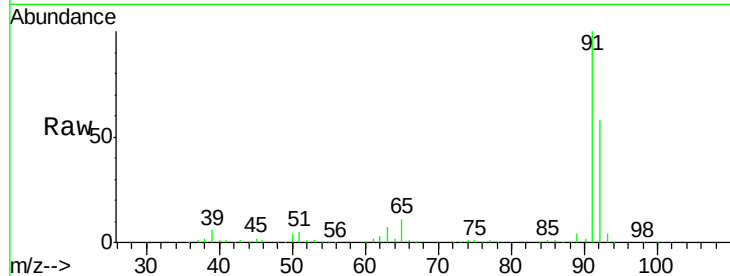
GAT61

Tot Ion: 91 Resp: 732872

Ion Ratio Lower Upper

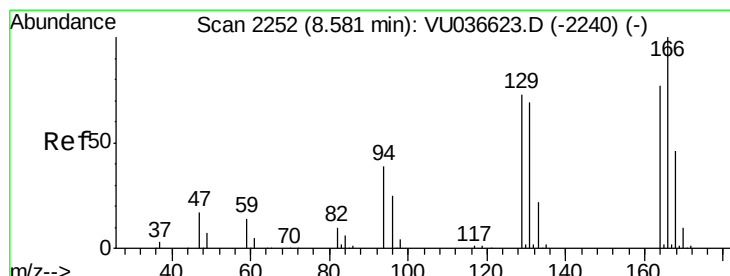
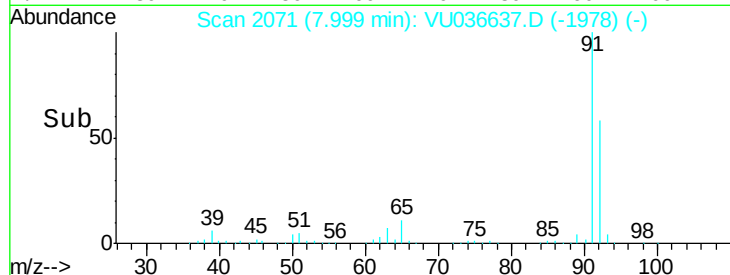
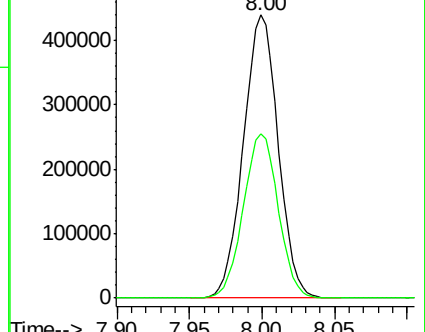
91 100

92 58.3 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036637.D (-2159) (-)

Ion 92.00 (91.70 to 92.70): VU036637.D (-2159) (-)



#46

Tetrachloroethene

Concen: 63.748 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036637.D

Acq: 30 Jan 2020 23:20

Tgt Ion: 164 Resp: 112726

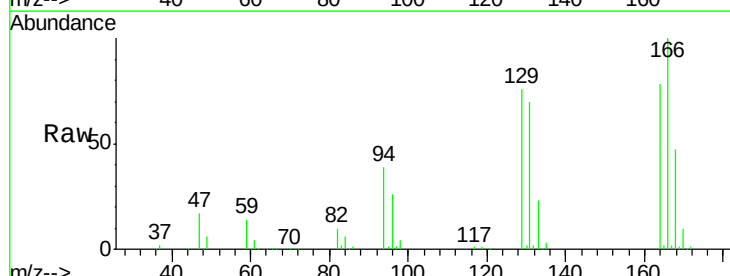
Ion Ratio Lower Upper

164 100

129 96.9 64.2 119.2

131 90.1 61.8 114.8

166 128.1 88.8 165.0

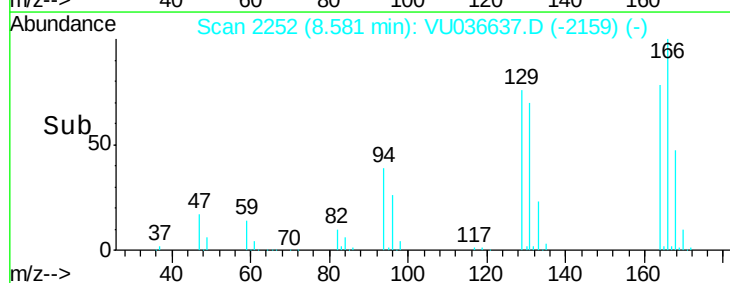
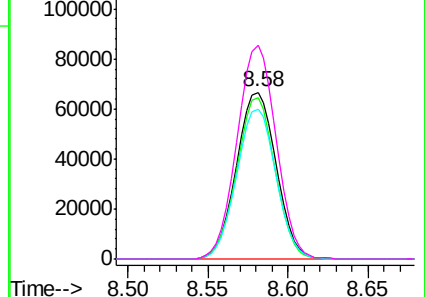


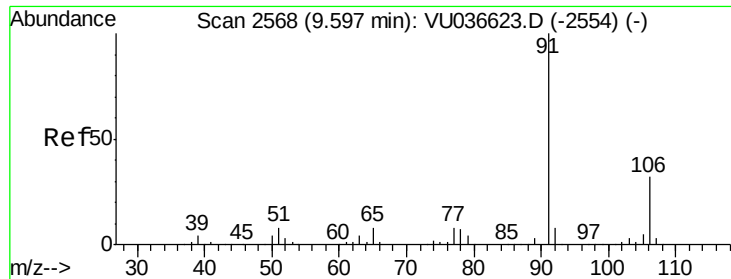
Abundance Ion 164.00 (163.70 to 164.70): VU036637.D (-2159) (-)

Ion 129.00 (128.70 to 129.70): VU036637.D (-2159) (-)

Ion 131.00 (130.70 to 131.70): VU036637.D (-2159) (-)

Ion 166.00 (165.70 to 166.70): VU036637.D (-2159) (-)





#52

Ethylbenzene

Concen: 19.662 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036637.D

Acq: 30 Jan 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

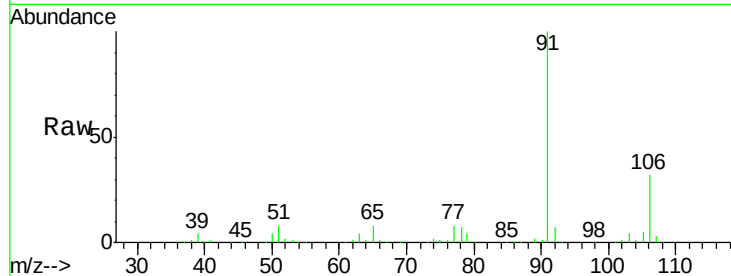
GAT61

Tot Ion: 91 Resp: 197989

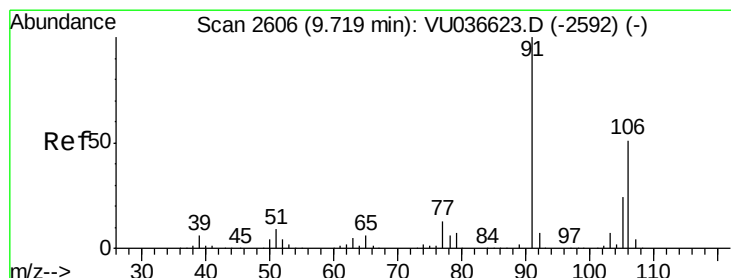
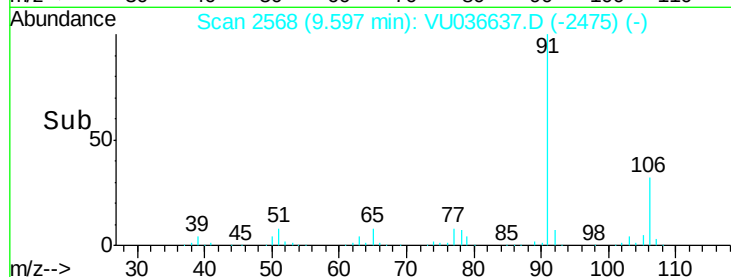
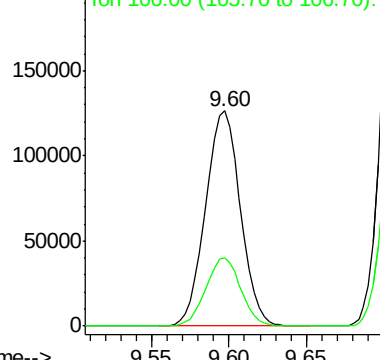
Ion Ratio Lower Upper

91 100

106 31.5 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036623.D (-2554) (-)



#53

m,p-Xylene

Concen: 148.022 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036637.D

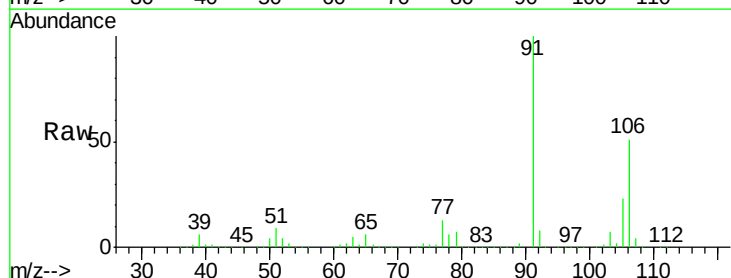
Acq: 30 Jan 2020 23:20

Tgt Ion: 106 Resp: 581340

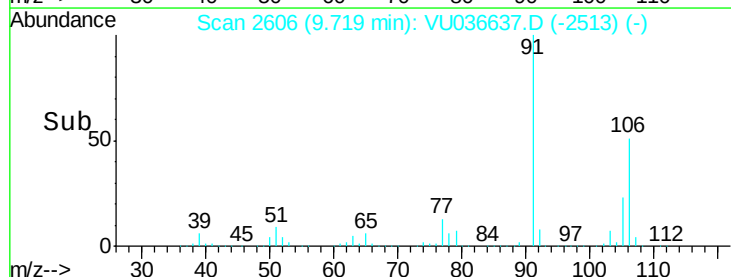
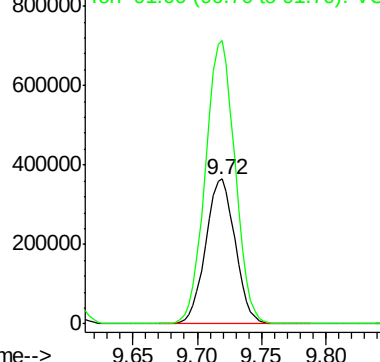
Ion Ratio Lower Upper

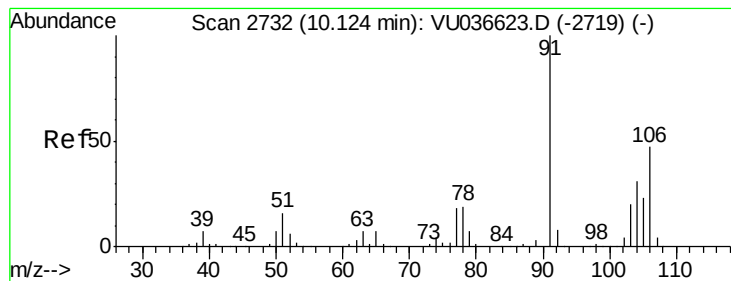
106 100

91 195.8 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036623.D (-2592) (-)





#54

o-xylene

Concen: 67.181 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036637.D

Acq: 30 Jan 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

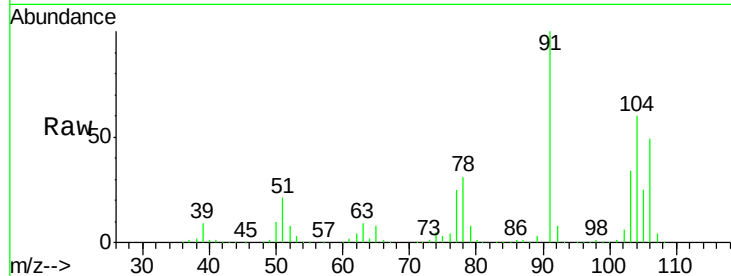
GAT61

Tot Ion:106 Resp: 263181

Ion Ratio Lower Upper

106 100

91 206.1 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

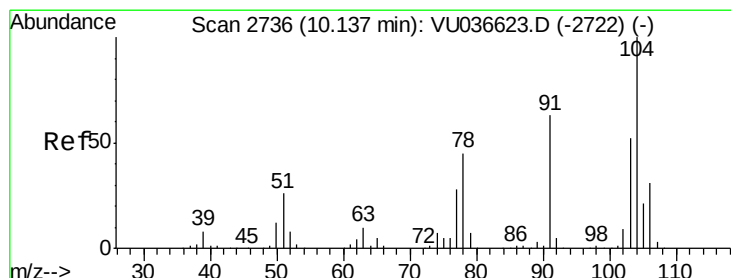
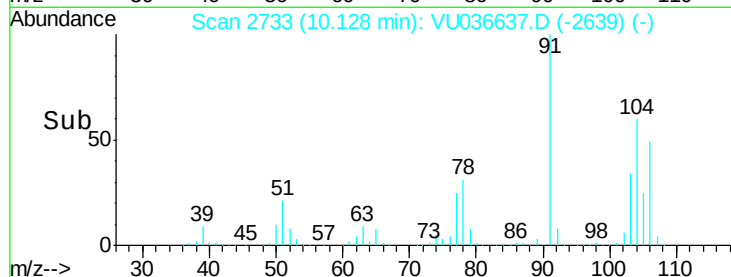
200000

100000

0

10.05 10.10 10.15 10.20

Time-->



#55

Styrene

Concen: 108.838 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036637.D

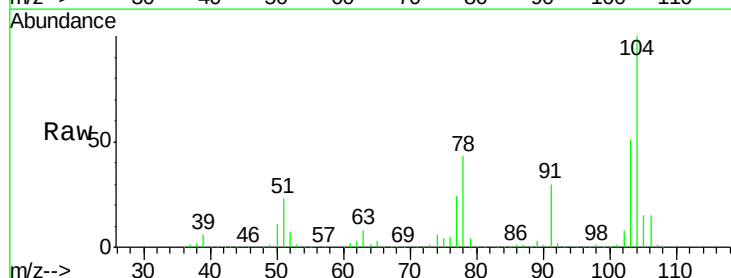
Acq: 30 Jan 2020 23:20

Tgt Ion:104 Resp: 691922

Ion Ratio Lower Upper

104 100

78 42.8 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

200000

100000

0

10.10 10.20

Time-->

