

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
 Data File : VU031358.D
 Acq On : 19 Apr 2019 14:51
 Operator : JC/SP
 Sample : K2402-06 5X
 Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHH8

Quant Time: Apr 19 23:41:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 23:12:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	602571	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	491005	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	257837	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171519	30.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.82%
7) Chloroethane-d5	1.68	69	144833	30.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	60.12%#
11) 1,1-Dichloroethene-d2	2.26	63	272365	24.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.56%#
21) 2-Butanone-d5	4.21	46	341075	84.39	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.39%
24) Chloroform-d	4.64	84	336929	36.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.78%
26) 1,2-Dichloroethane-d4	5.31	65	221358	38.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.64%
32) Benzene-d6	5.34	84	703158	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.33	67	235712	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.58%
41) Toluene-d8	7.56	98	569849	41.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.44%
43) trans-1,3-Dichloropropene-	7.85	79	82475	34.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.50%
47) 2-Hexanone-d5	8.32	63	177920	74.82	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	273368	39.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	215569	36.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.92%#

Target Compounds

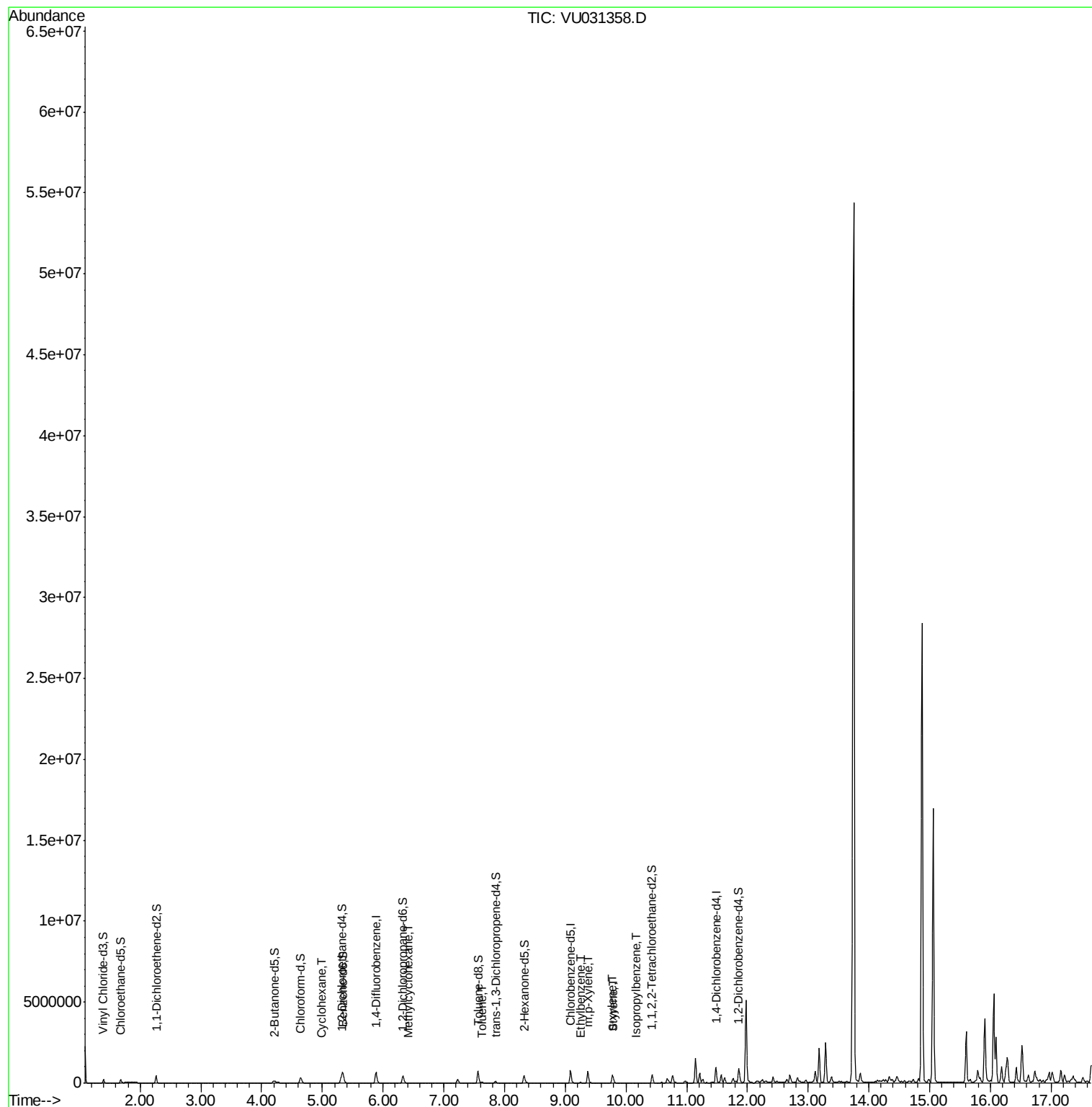
					Ovalue
29) Cyclohexane	4.99	56	5619	0.814 ug/L #	51
35) Methylcyclohexane	6.41	83	9983	1.623 ug/L #	89
42) Toluene	7.64	91	17991	1.095 ug/L	86
52) Ethylbenzene	9.25	91	33989	1.901 ug/L	93
53) m,p-Xylene	9.37	106	222247	35.216 ug/L	99
54) o-xylene	9.78	106	120196	18.807 ug/L	93
55) Styrene	9.79	104	86393	8.008 ug/L	98
56) Isopropylbenzene	10.16	105	8098	0.494 ug/L #	80

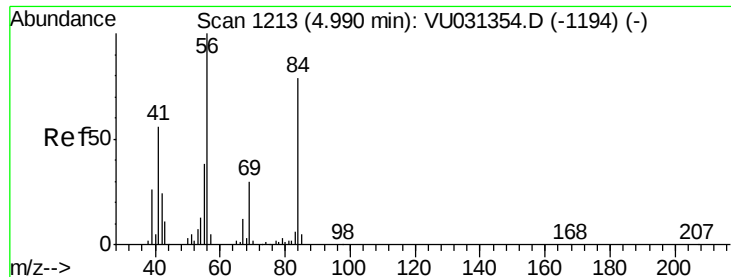
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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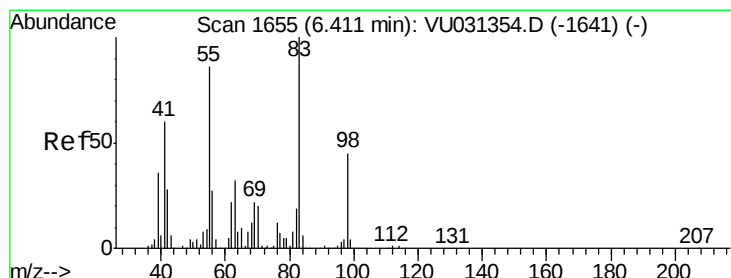
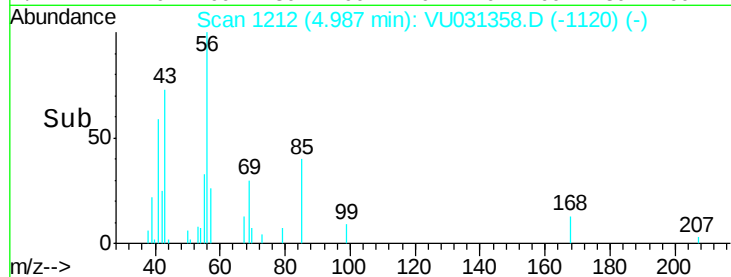
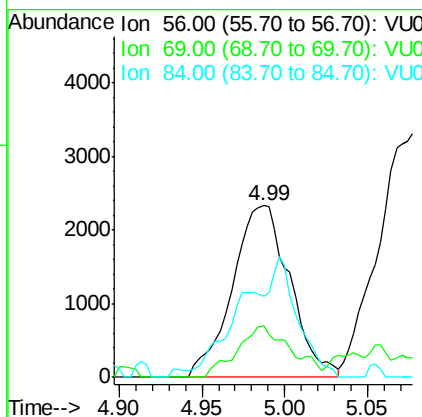
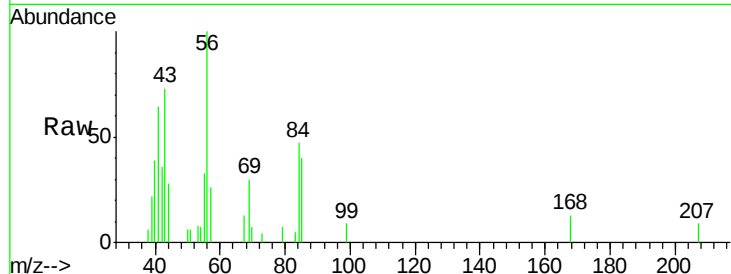




#29
Cyclohexane
Concen: 0.814 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU031358.D
Acq: 19 Apr 2019 14:51

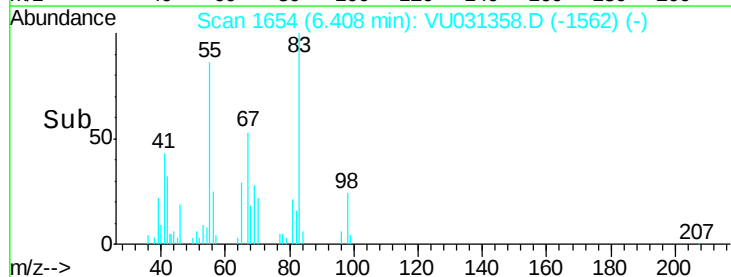
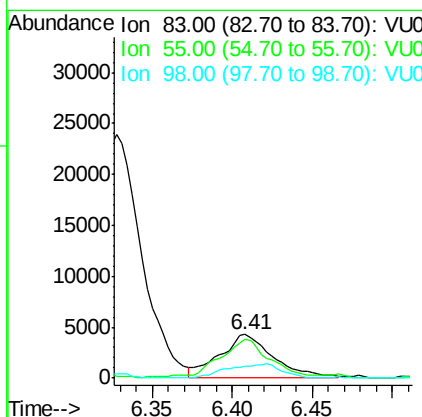
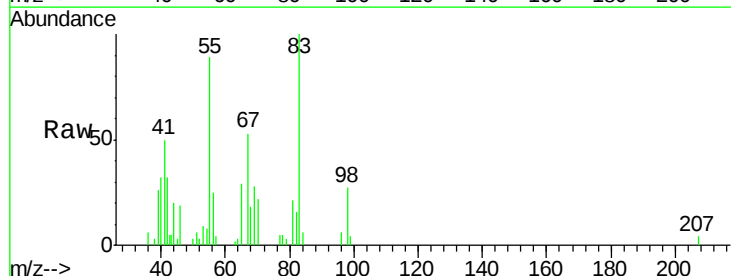
Instrument :
MSVOA_U
ClientSampled :
GAHH8

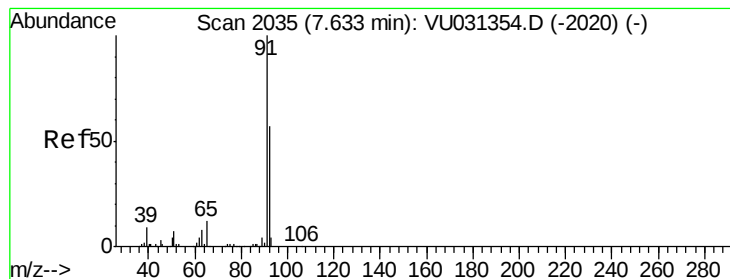
Tot Ion: 56 Resp: 5619
Ion Ratio Lower Upper
56 100
69 10.0 23.0 34.6#
84 30.7 61.8 92.6#



#35
Methylcyclohexane
Concen: 1.623 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU031358.D
Acq: 19 Apr 2019 14:51

Tgt Ion: 83 Resp: 9983
Ion Ratio Lower Upper
83 100
55 78.9 67.0 100.4
98 32.8 36.9 55.3#





#42

Toluene

Concen: 1.095 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031358.D

Acq: 19 Apr 2019 14:51

Instrument :

MSVOA_U

ClientSampleId :

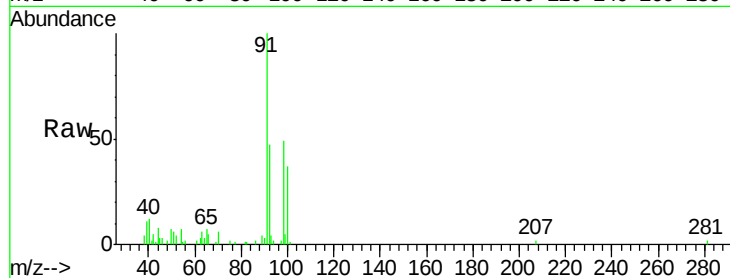
GAHH8

Tot Ion: 91 Resp: 17991

Ion Ratio Lower Upper

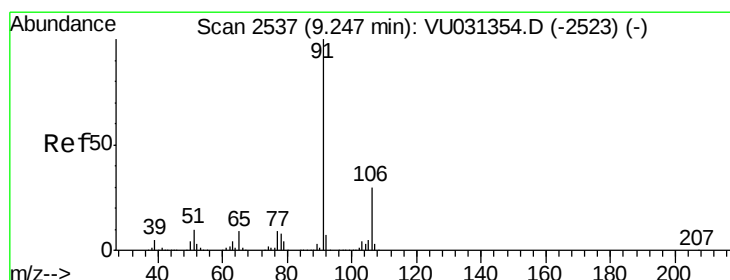
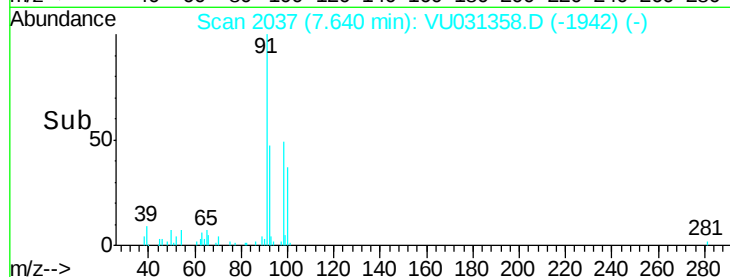
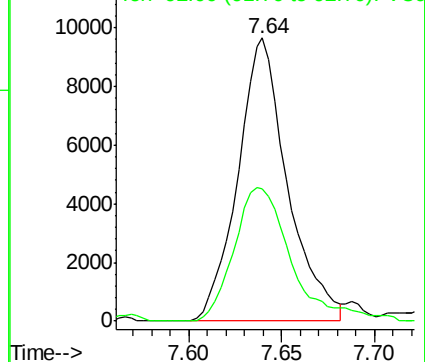
91 100

92 46.6 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#52

Ethylbenzene

Concen: 1.901 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031358.D

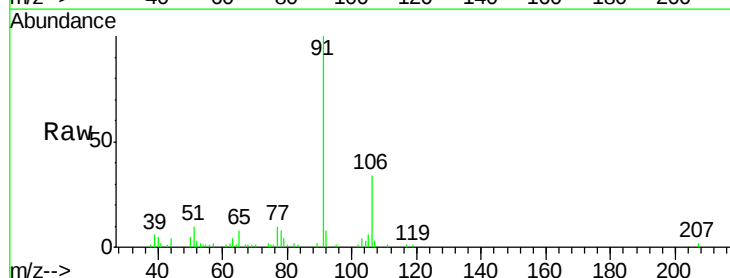
Acq: 19 Apr 2019 14:51

Tgt Ion: 91 Resp: 33989

Ion Ratio Lower Upper

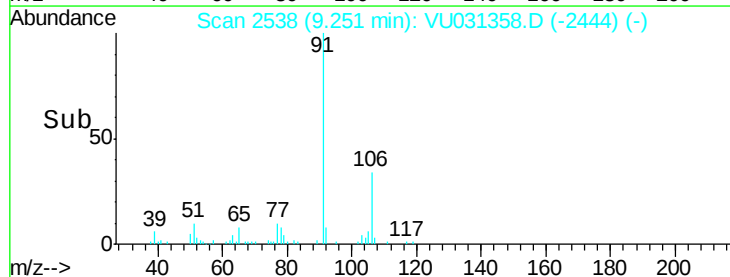
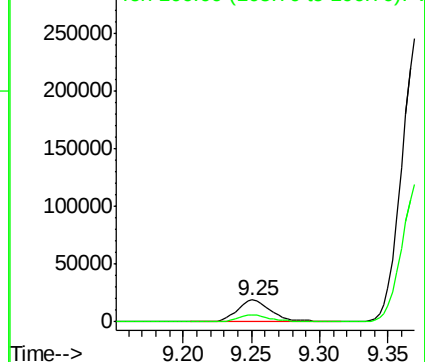
91 100

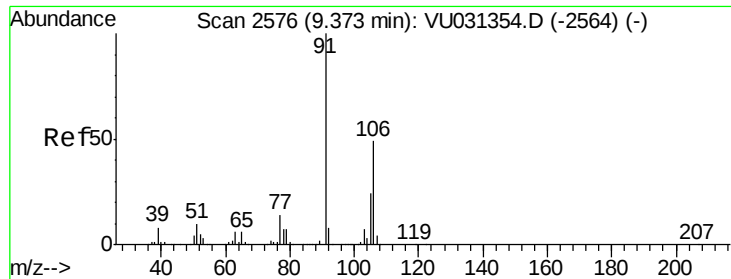
106 33.6 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

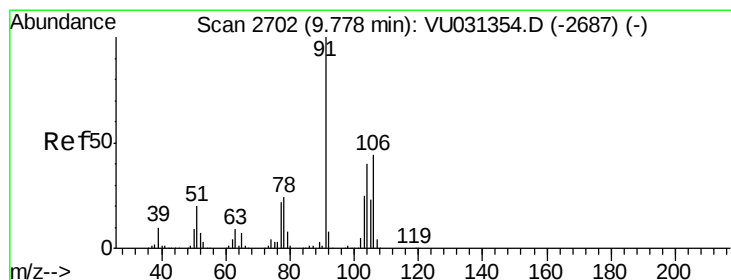
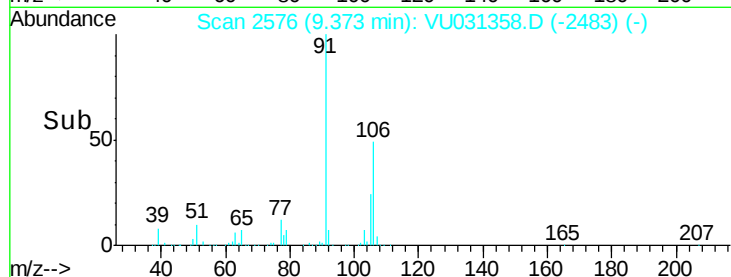
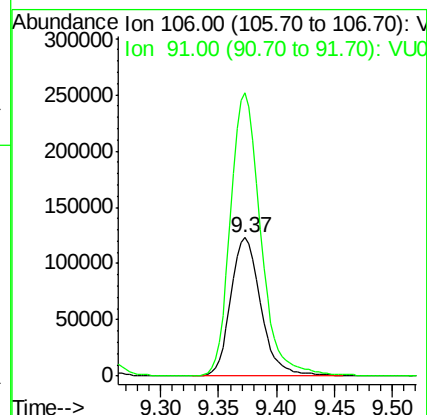
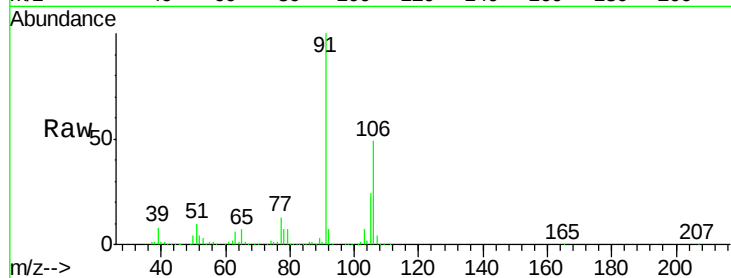




#53
m,p-Xylene
Concen: 35.216 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU031358.D
Acq: 19 Apr 2019 14:51

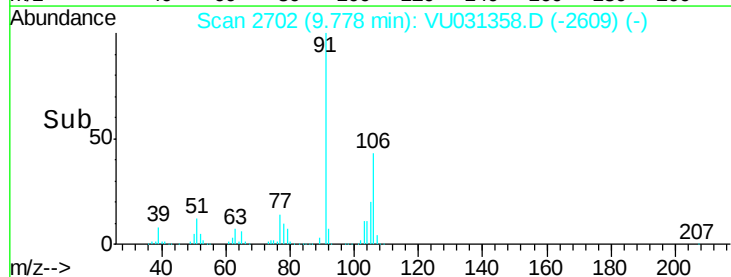
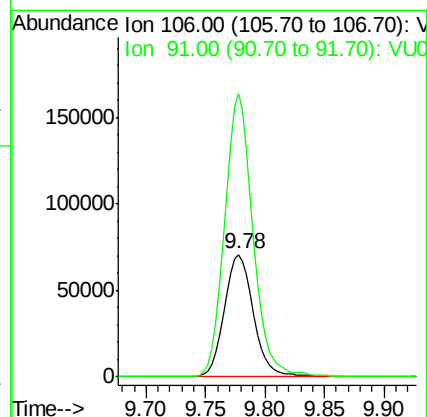
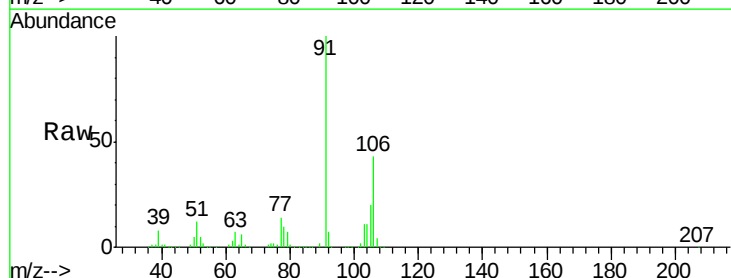
Instrument :
MSVOA_U
ClientSampleId :
GAHH8

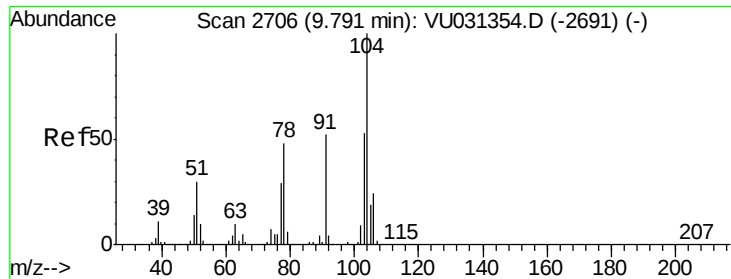
Tot Ion:106 Resp: 222247
Ion Ratio Lower Upper
106 100
91 204.8 144.5 268.4



#54
o-xylene
Concen: 18.807 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. -0.00 min
Lab File: VU031358.D
Acq: 19 Apr 2019 14:51

Tgt Ion:106 Resp: 120196
Ion Ratio Lower Upper
106 100
91 231.1 154.3 286.5





#55

Stvrene

Concen: 8.008 ug/L

RT: 9.79 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VU031358.D

Acq: 19 Apr 2019 14:51

Instrument :

MSVOA_U

ClientSampleId :

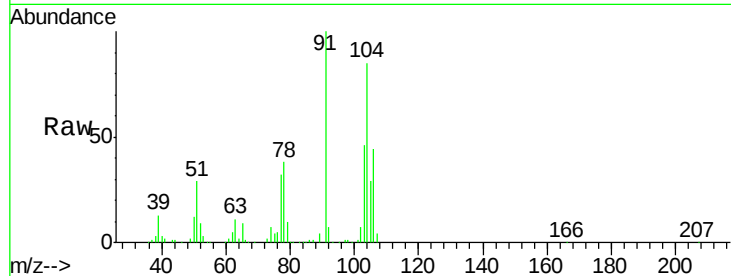
GAHH8

Tot Ion:104 Resp: 86393

Ion Ratio Lower Upper

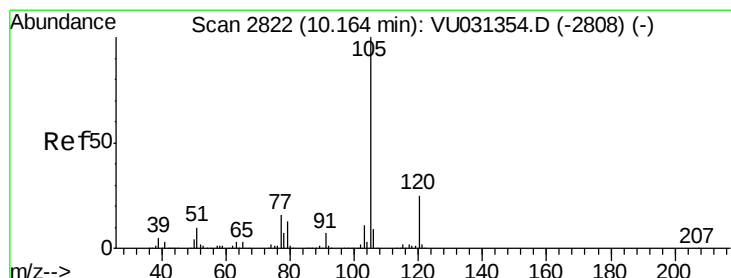
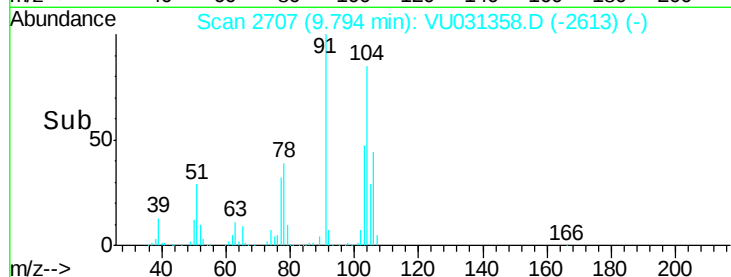
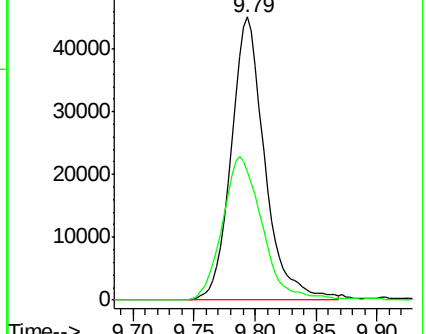
104 100

78 45.2 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 0.494 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031358.D

Acq: 19 Apr 2019 14:51

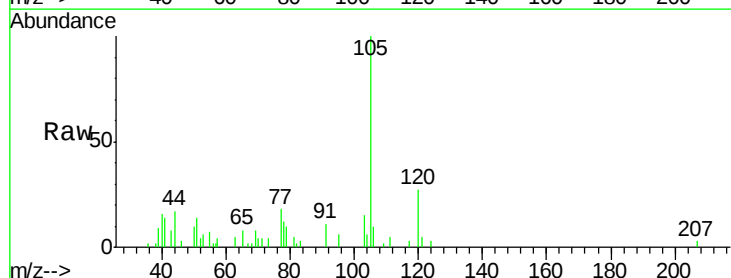
Tgt Ion:105 Resp: 8098

Ion Ratio Lower Upper

105 100

120 15.8 20.6 31.0#

77 7.9 13.0 19.4#



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

