

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
 Data File : VU031706.D
 Acq On : 02 May 2019 12:48
 Operator : JC/SP
 Sample : K2604-20 20X
 Misc : 5.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAJ91

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 10:39:46 AM

Quant Time: May 03 05:38:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 04:37:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1041637	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	973046	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	456796	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	221072	25.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.72%#
7) Chloroethane-d5	1.68	69	203847m	30.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	60.52%#
11) 1,1-Dichloroethene-d2	2.27	63	368960	21.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	42.50%#
21) 2-Butanone-d5	4.19	46	743422	94.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.12%
24) Chloroform-d	4.64	84	547543	34.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.58%#
26) 1,2-Dichloroethane-d4	5.31	65	372832	35.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.48%
32) Benzene-d6	5.33	84	1094146	36.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.24%
36) 1,2-Dichloropropane-d6	6.32	67	404443	38.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	76.94%
41) Toluene-d8	7.56	98	948443	36.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.88%#
43) trans-1,3-Dichloropropene-	7.85	79	172227	38.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.34%
47) 2-Hexanone-d5	8.31	63	515371	113.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	587125	41.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	375353	39.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.14%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.99	56	30976	2.011	ug/L	# 80
33) Benzene	5.38	78	1489436	41.634	ug/L	100
35) Methylcyclohexane	6.41	83	50750	3.905	ug/L	95
42) Toluene	7.63	91	7414834	208.068	ug/L	98
52) Ethylbenzene	9.25	91	1238146	33.494	ug/L	99
53) m,p-Xylene	9.37	106	3206682	248.976	ug/L	98
54) o-xylene	9.77	106	1384431	108.424	ug/L	97
55) Styrene	9.79	104	4437060	203.394	ug/L	95
56) Isopropylbenzene	10.16	105	36021	1.073	ug/L	98

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

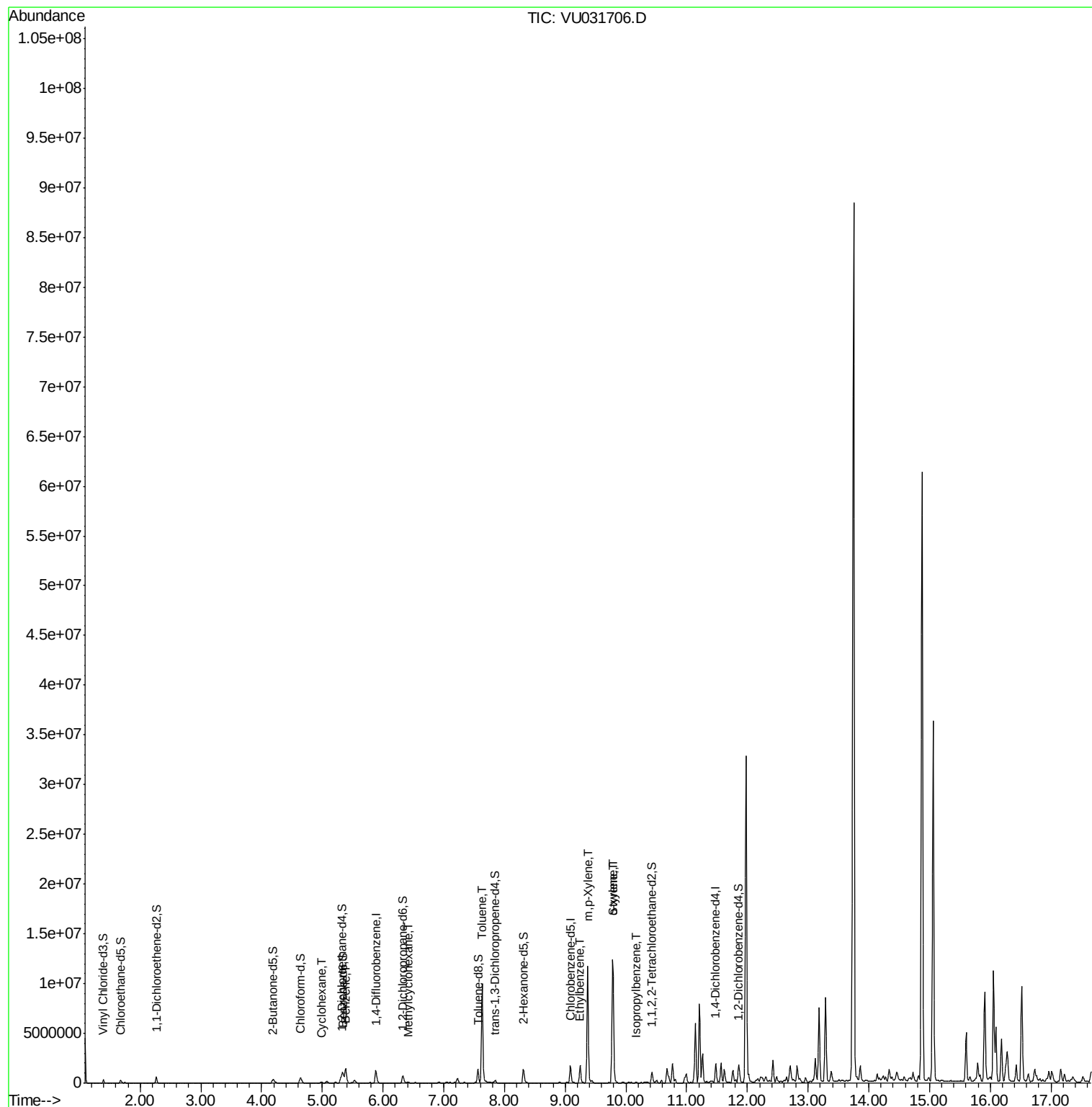
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031706.D
Acq On : 02 May 2019 12:48
Operator : JC/SP
Sample : K2604-20 20X
Misc : 5.07µ/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

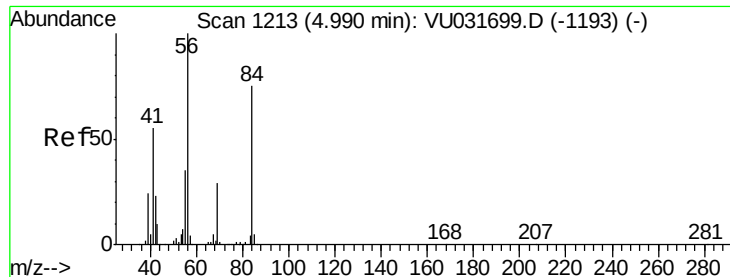
Instrument :
MSVOA_U
ClientSampleId :
GAJ91

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 04:37:29 2019
Response via : Initial Calibration





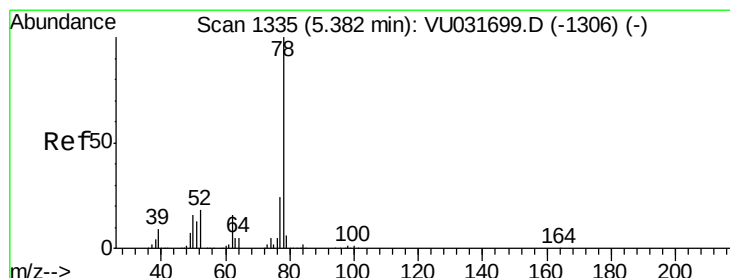
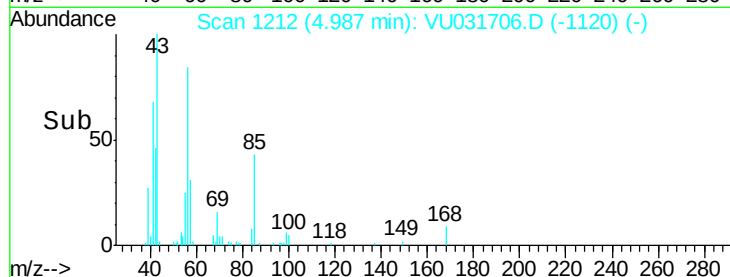
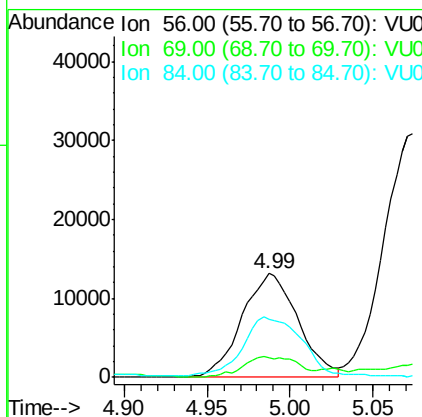
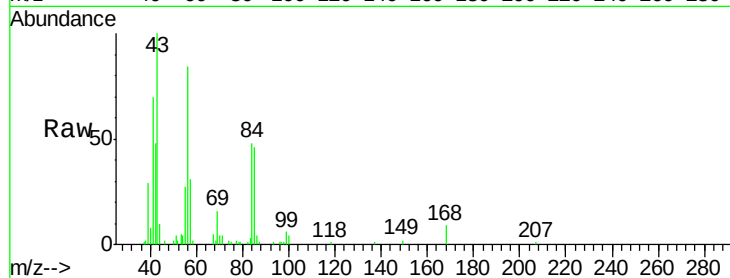
#29
Cyclohexane
Concen: 2.011 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU031706.D
Acq: 02 May 2019 12:48

Instrument :
MSVOA_U
ClientSampled :
GAJ91

Tot Ion	Ratio	Lower	Upper
56	100		
69	11.2	22.3	33.5#
84	59.1	57.5	86.3

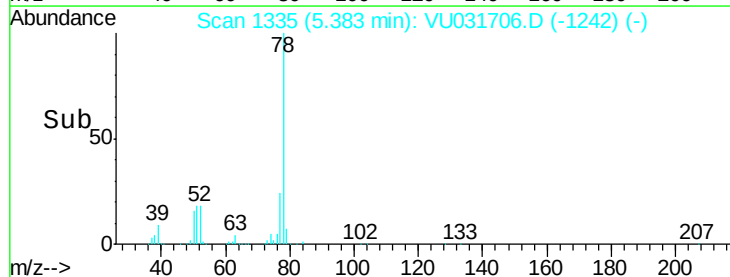
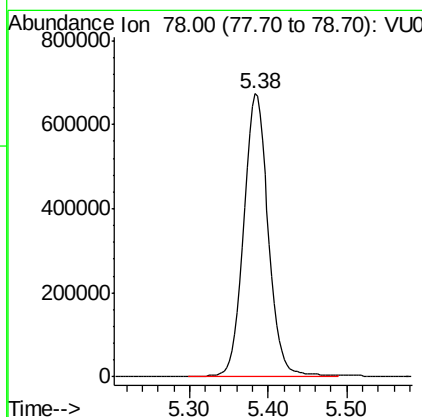
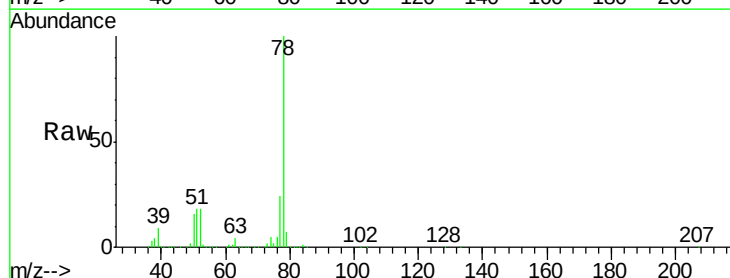
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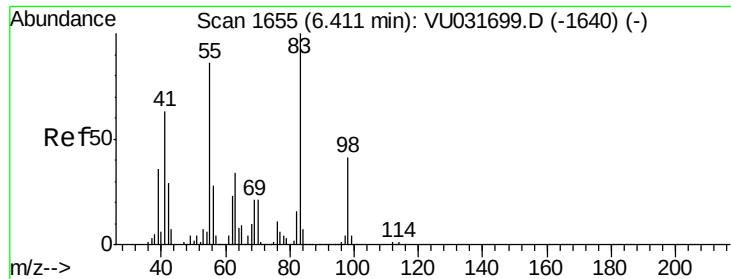
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#33
Benzene
Concen: 41.634 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031706.D
Acq: 02 May 2019 12:48

Tgt Ion: 78 Resp: 1489436





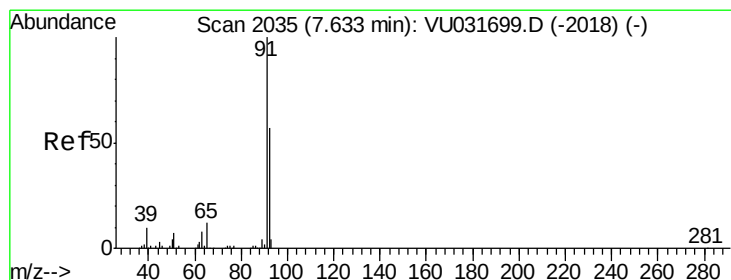
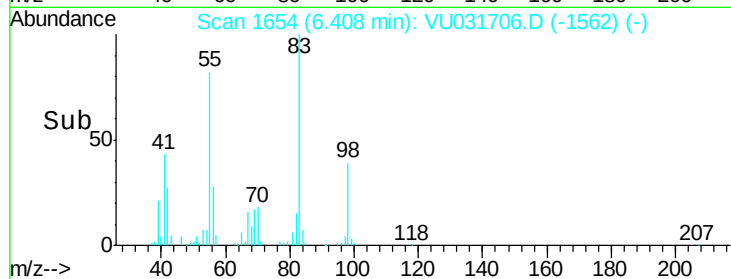
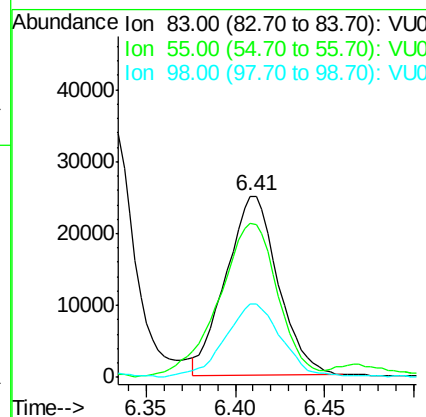
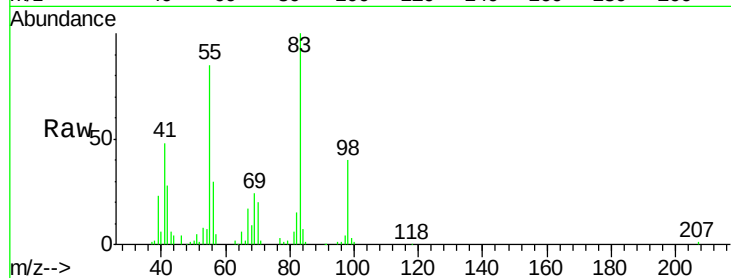
#35
Methylvlcyclohexane
Concen: 3.905 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU031706.D
Acq: 02 May 2019 12:48

Instrument :
MSVOA_U
ClientSampled :
GAJ91

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.2	73.0	109.4
98	44.6	35.3	52.9

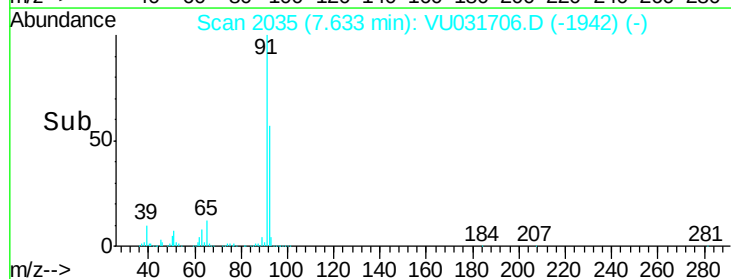
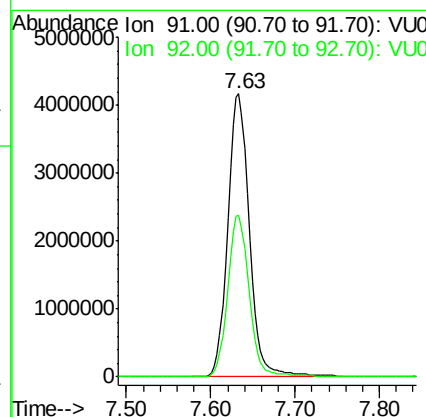
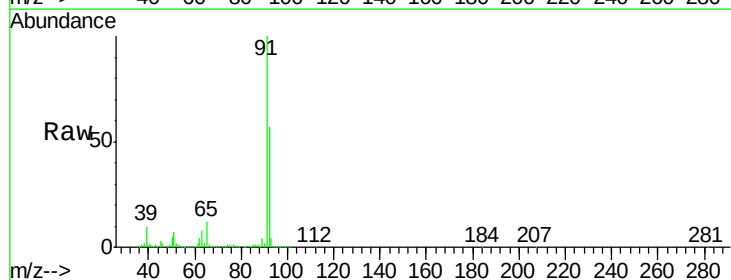
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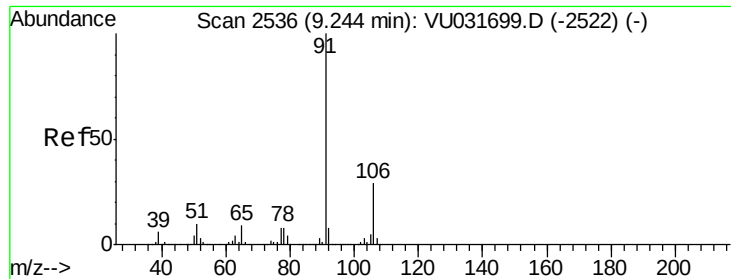
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#42
Toluene
Concen: 208.068 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU031706.D
Acq: 02 May 2019 12:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	39.0	72.4





#52

Ethylbenzene

Concen: 33.494 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031706.D

Acq: 02 May 2019 12:48

Instrument :

MSVOA_U

ClientSampled :

GAJ91

Tot Ion: 91 Resp: 1238146

Ion Ratio Lower Upper

91 100

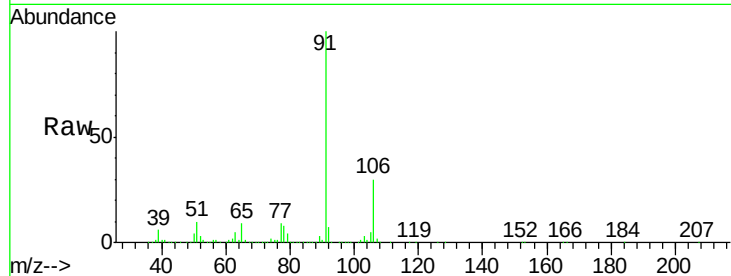
106 29.6 20.4 37.8

Manual Integrations

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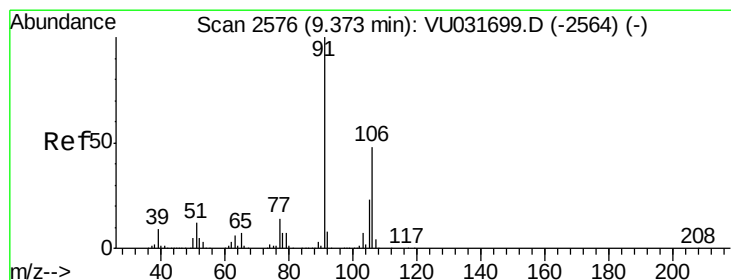
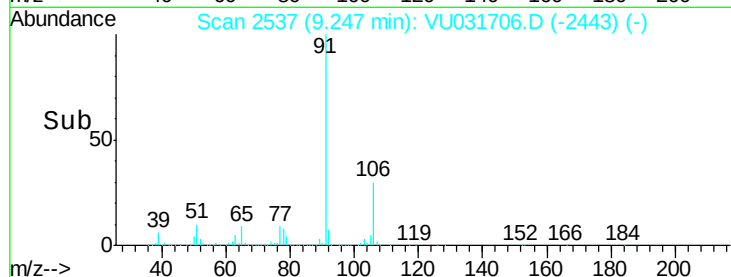
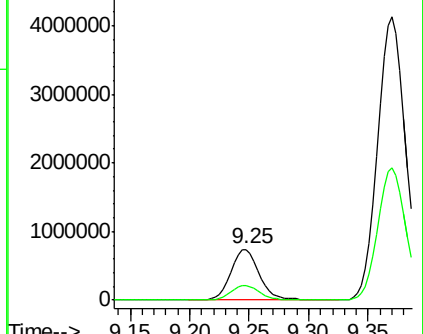
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Abundance Ion 91.00 (90.70 to 91.70): VU031706.D (-2443) (-)

Ion 106.00 (105.70 to 106.70): VU031706.D (-2443) (-)



#53

m,p-Xylene

Concen: 248.976 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031706.D

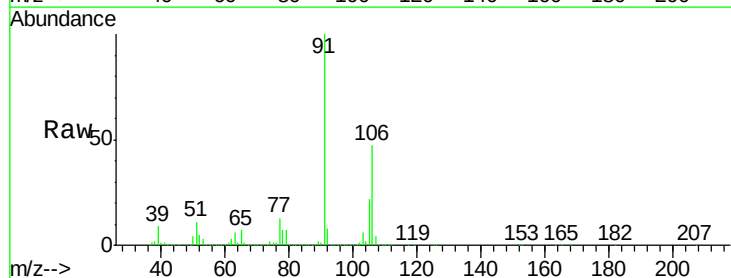
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Tgt Ion: 106 Resp: 3206682

Ion Ratio Lower Upper

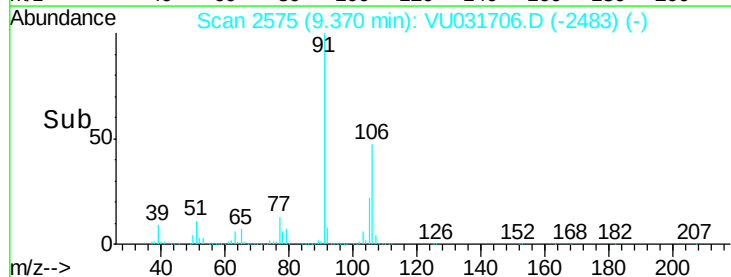
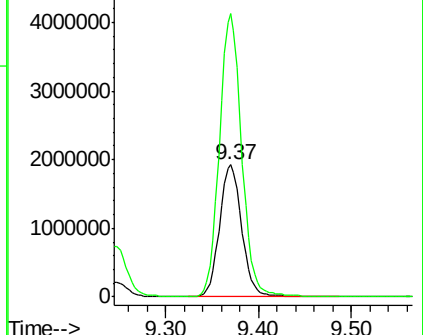
106 100

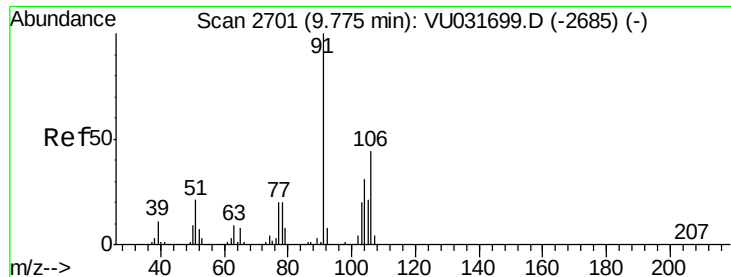
91 214.1 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): VU031706.D (-2483) (-)

Ion 91.00 (90.70 to 91.70): VU031706.D (-2483) (-)





#54

o-xylene

Concen: 108.424 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031706.D

Acq: 02 May 2019 12:48

Instrument :

MSVOA_U

ClientSampled :

GAJ91

Tot Ion:106 Resp: 1384431

Ion Ratio Lower Upper

106 100

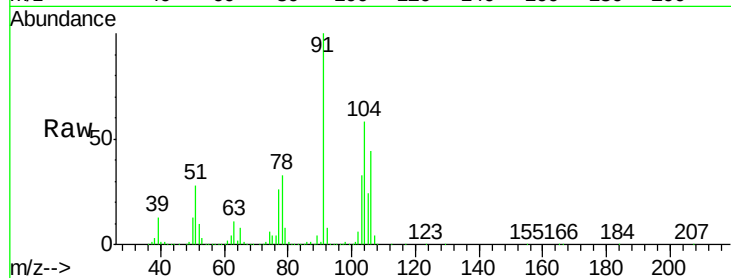
91 229.0 163.2 303.2

Manual Integrations

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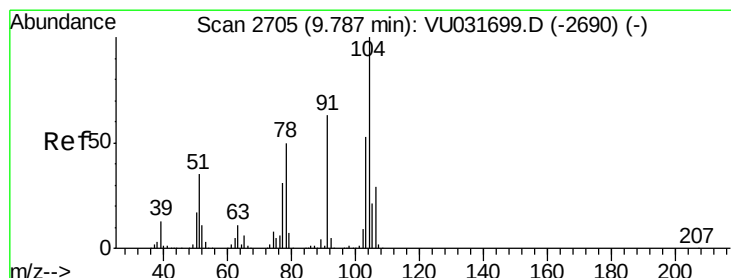
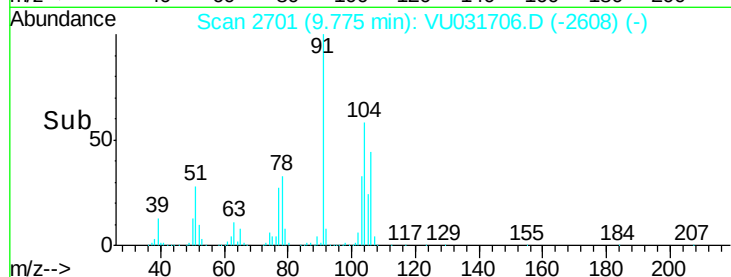
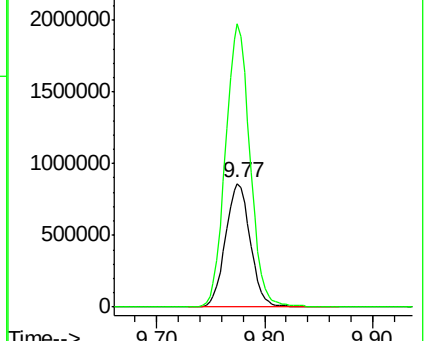
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 203.394 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031706.D

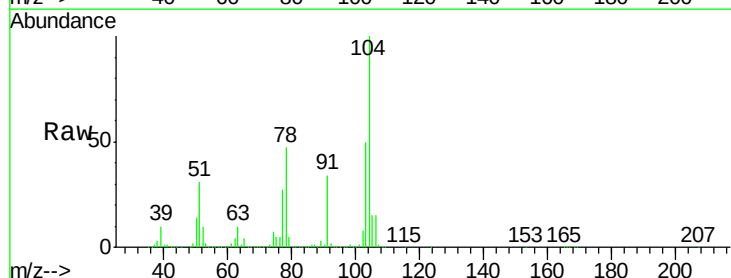
Acq: 02 May 2019 12:48

Tgt Ion:104 Resp: 4437060

Ion Ratio Lower Upper

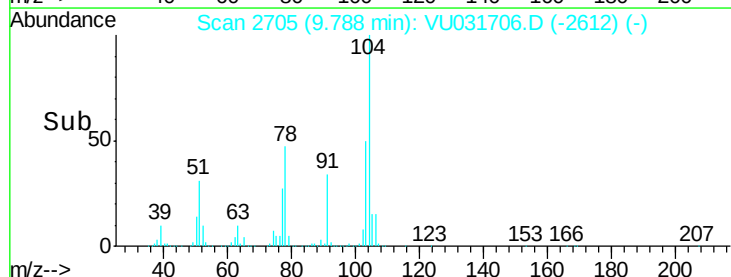
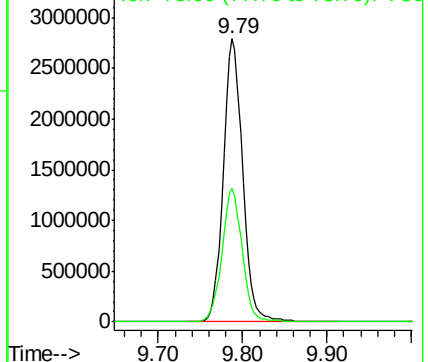
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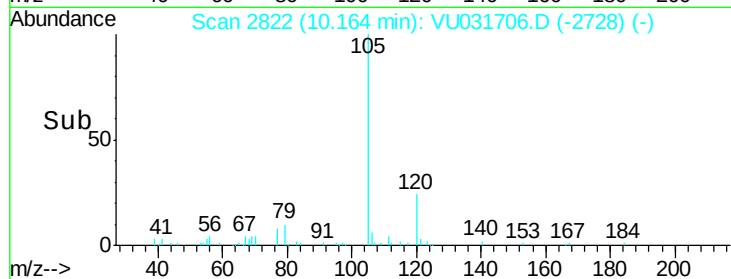
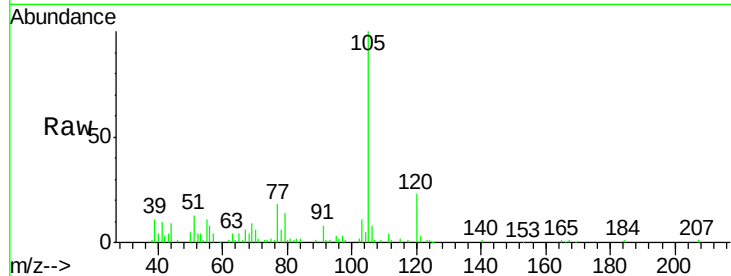
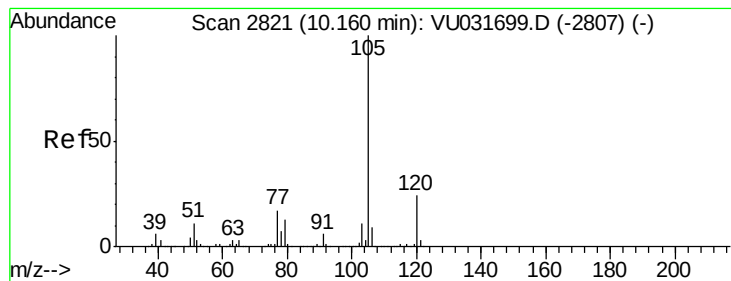
78 47.1 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56
Isopropylbenzene
Concen: 1.073 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU031706.D
Acq: 02 May 2019 12:48

Tot Ion	Ratio	Resp	Lower	Upper
105	100	36021		
120	24.1		20.1	30.1
77	16.2		13.8	20.6

Instrument :
MSVOA_U
ClientSampleId :
GAJ91

Manual Integrations
APPROVED

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