

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

Quant Time: May 03 04:41:28 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	1.84	69	255	0.04	ug/L	0.16
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.08%#
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

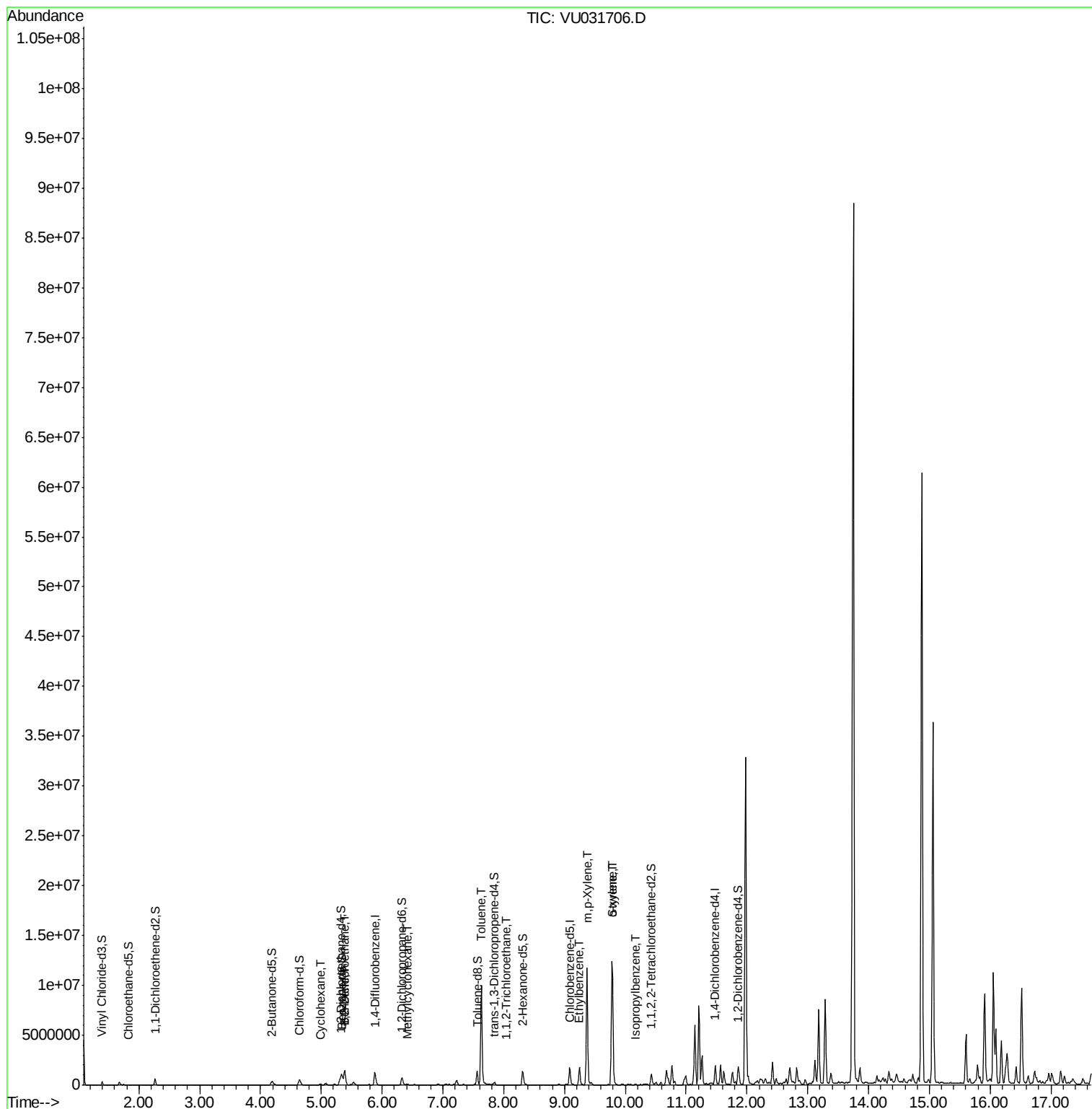
						Qvalue
27) 1,2-Dichloroethane	5.39	62	13678	0.987	ug/L #	75
29) Cyclohexane	4.99	56	30976	2.011	ug/L #	80
33) Benzene	5.38	78	1489436	41.634	ug/L	100
35) Methylcyclohexane	6.41	83	50750	3.905	ug/L	95
42) Toluene	7.63	91	7414834	208.068	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	5792	0.692	ug/L #	21
52) 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

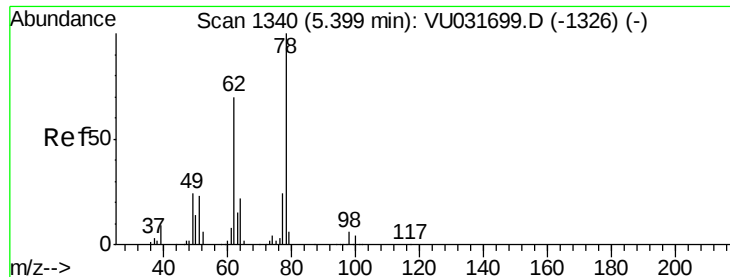
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data 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

Quant Time: May 03 04:41:28 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

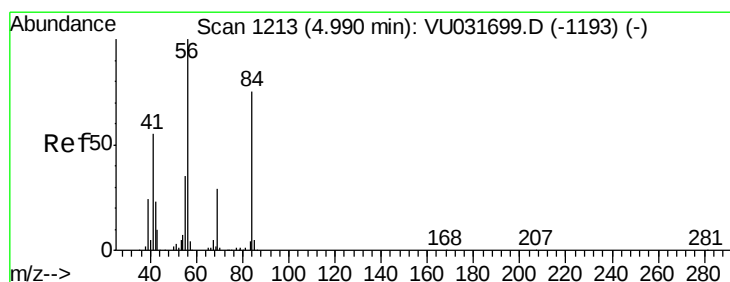
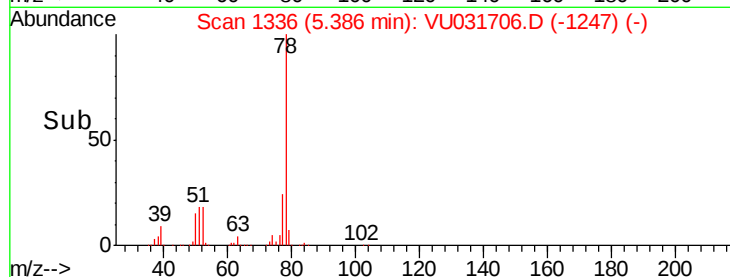
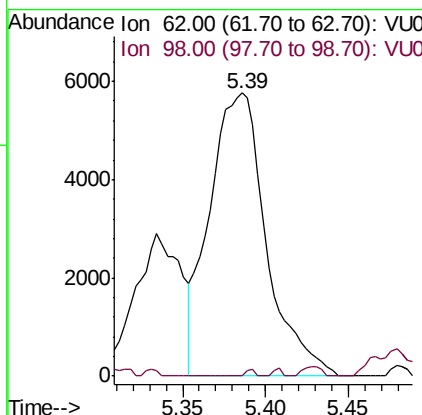
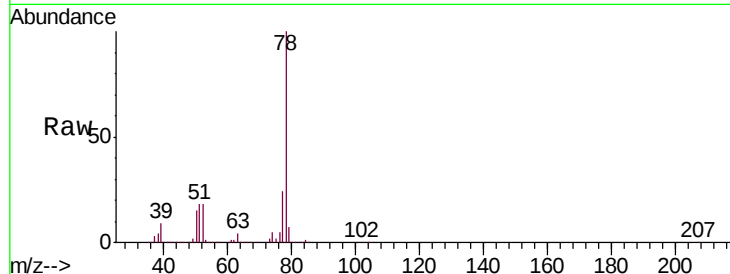




#27
 1,2-Dichloroethane
 Concen: 0.987 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VU031706.D
 Acq: 02 May 2019 12:48

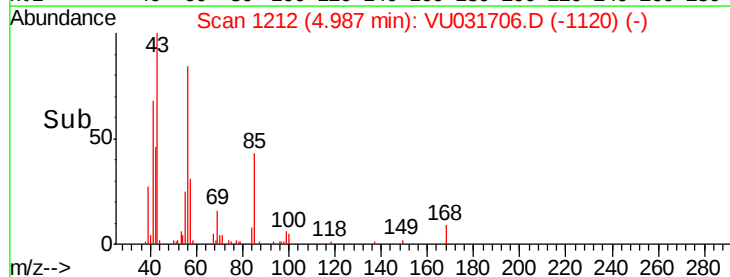
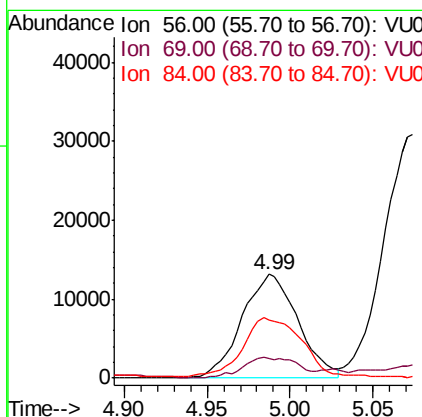
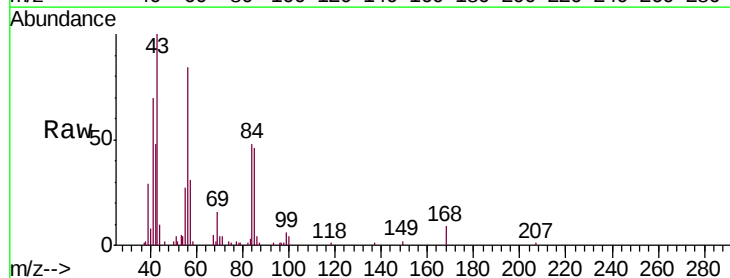
Instrument :
 MSVOA_U
 ClientSampleId :
 GAJ91

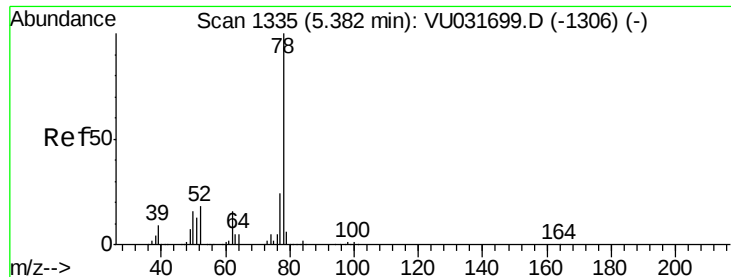
Tgt Ion: 62 Resp: 13678
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.1 10.7#



#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

Tgt Ion: 56 Resp: 30976
 Ion Ratio Lower Upper
 56 100
 69 11.2 22.3 33.5#
 84 59.1 57.5 86.3

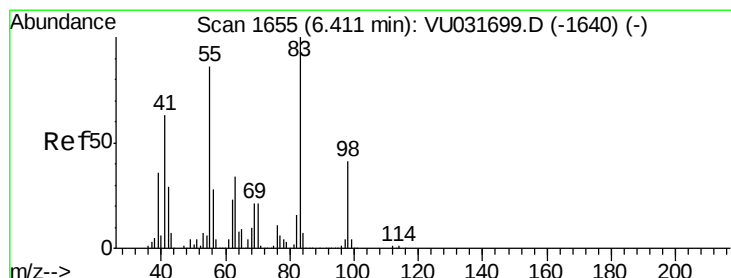
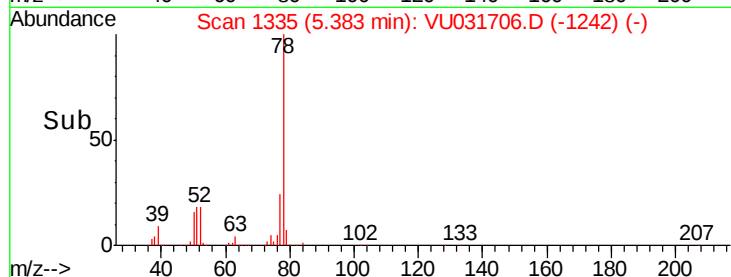
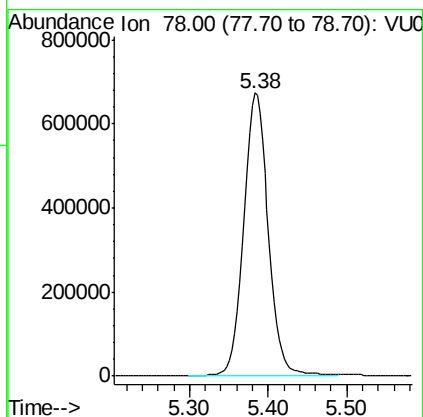
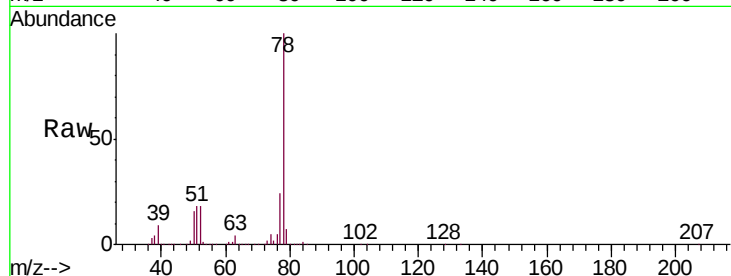




#33
Benzene
Concen: 41.634 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031706.D
Acq: 02 May 2019 12:48

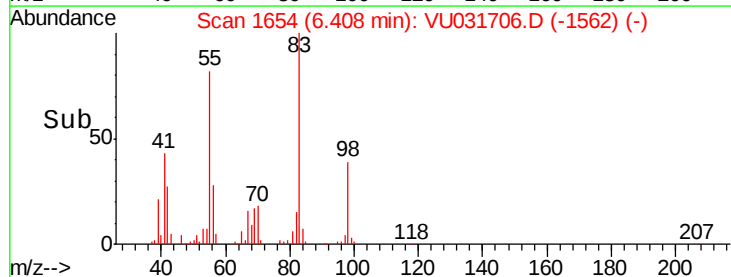
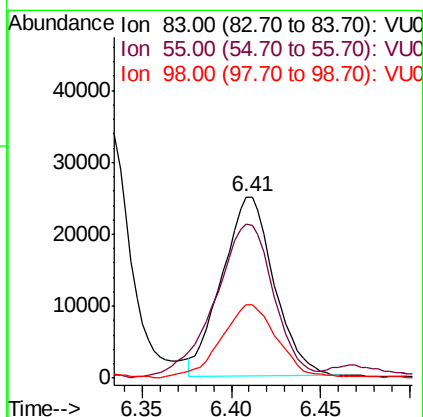
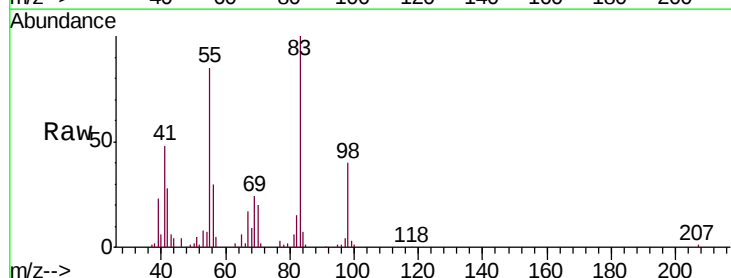
Instrument :
MSVOA_U
ClientSampleId :
GAJ91

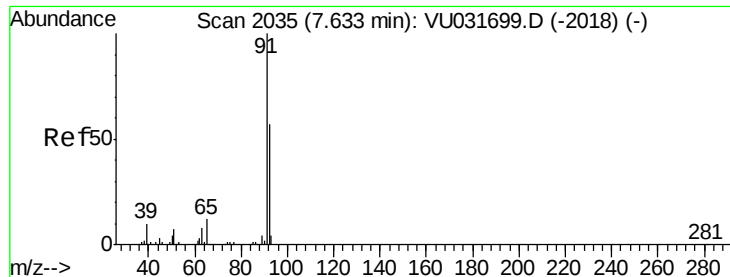
Tgt Ion: 78 Resp: 1489436



#35
Methylcyclohexane
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

Tgt Ion: 83 Resp: 50750
Ion Ratio Lower Upper
83 100
55 97.2 73.0 109.4
98 44.6 35.3 52.9





#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

Instrument :

MSVOA_U

ClientSampleId :

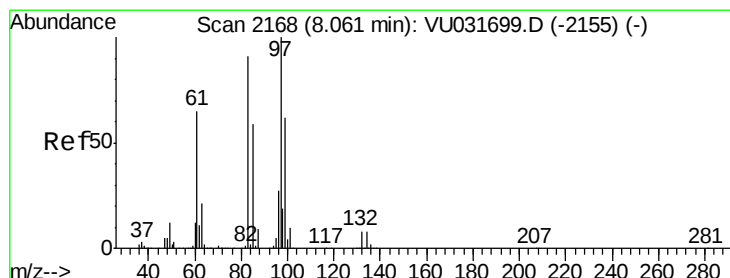
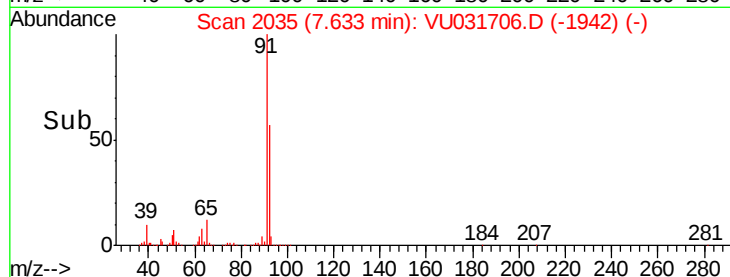
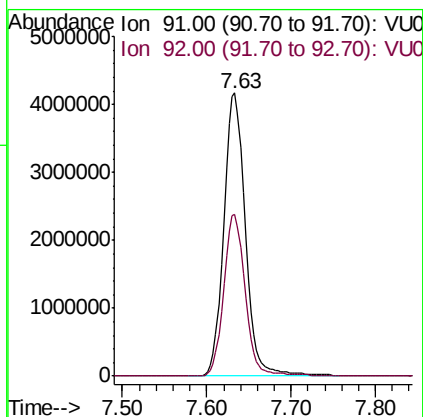
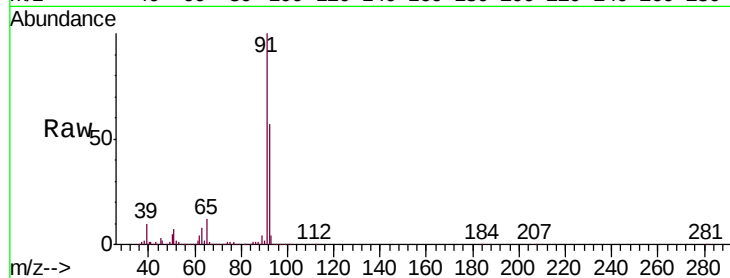
GAJ91

Tgt Ion: 91 Resp: 7414834

Ion Ratio Lower Upper

91 100

92 57.1 39.0 72.4



#45

1,1,2-Trichloroethane

Concen: 0.692 ug/L

RT: 8.04 min Scan# 2162

Delta R.T. -0.02 min

Lab File: VU031706.D

Acq: 02 May 2019 12:48

Tgt Ion: 97 Resp: 5792

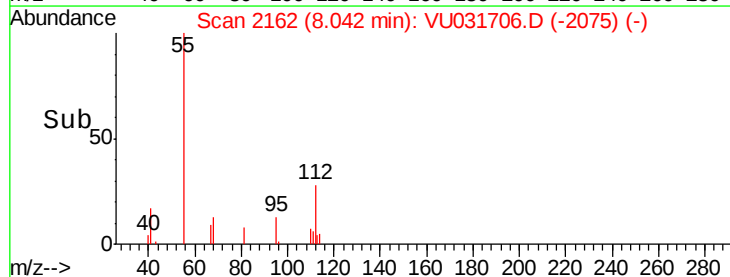
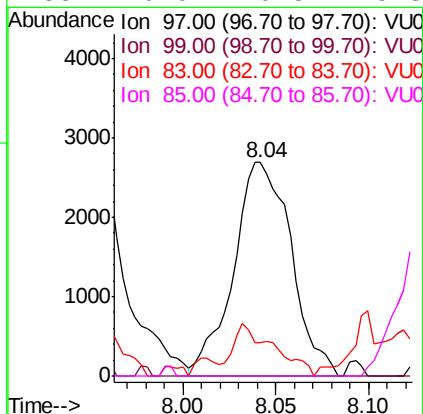
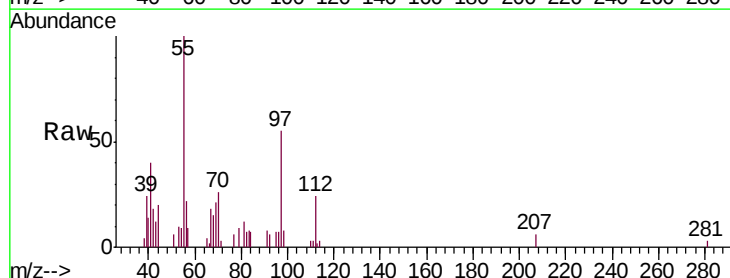
Ion Ratio Lower Upper

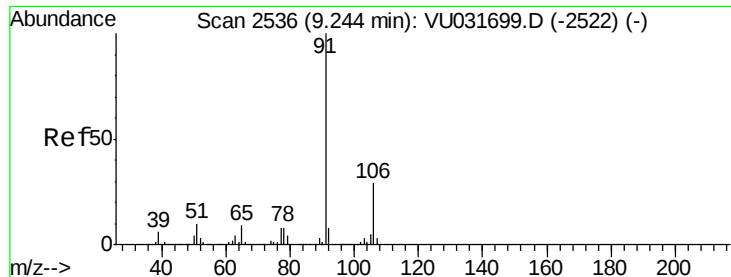
97 100

99 0.0 43.0 80.0#

83 15.3 63.6 118.2#

85 0.0 40.5 75.3#





#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

ClientSampleId :

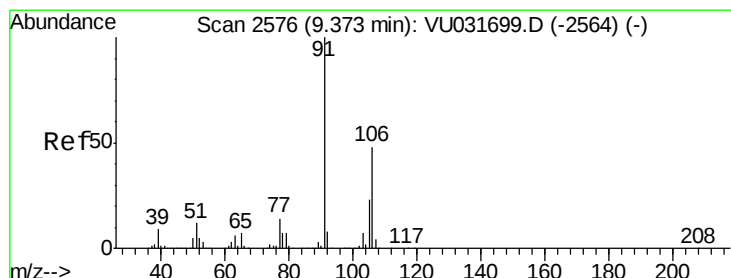
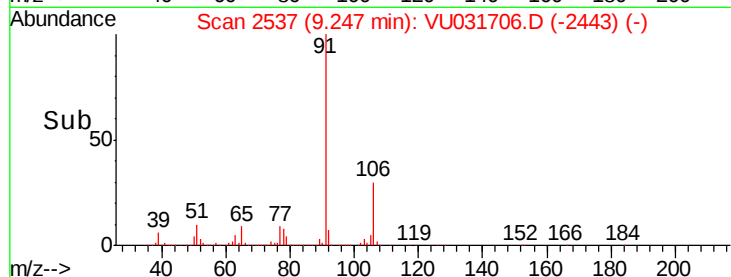
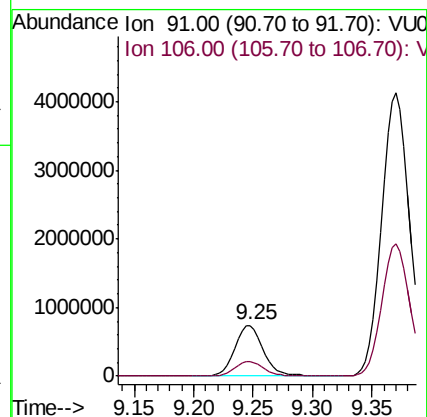
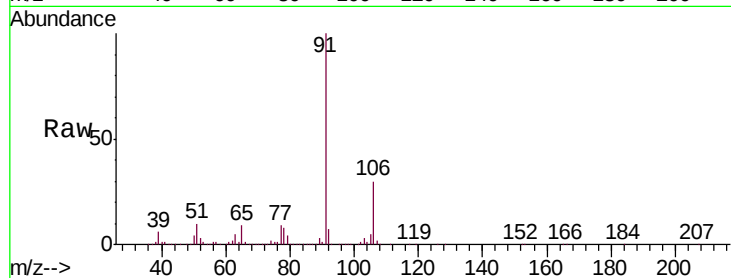
GAJ91

Tgt Ion: 91 Resp: 1238146

Ion Ratio Lower Upper

91 100

106 29.6 20.4 37.8



#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

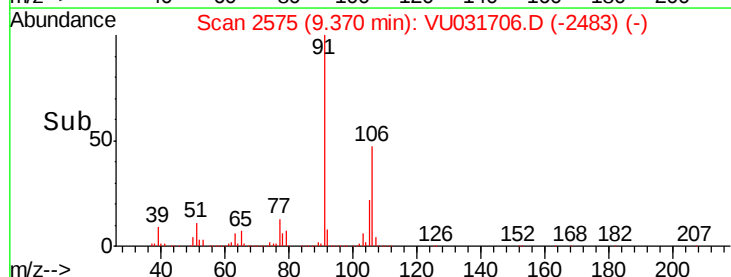
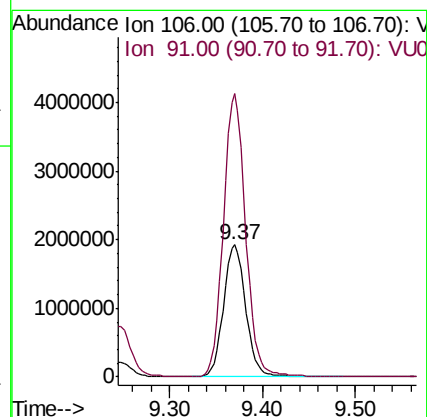
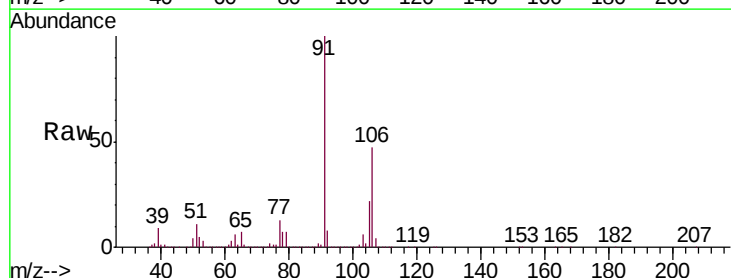
Acq: 02 May 2019 12:48

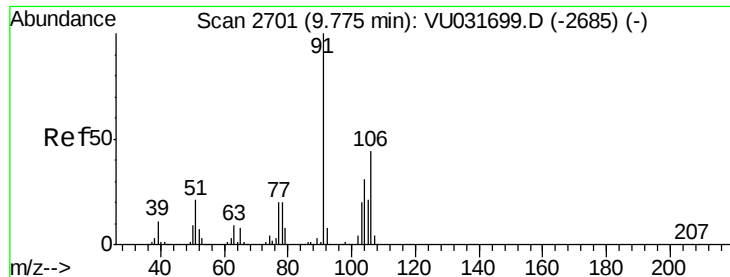
Tgt Ion: 106 Resp: 3206682

Ion Ratio Lower Upper

106 100

91 214.1 152.2 282.6





#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

ClientSampleId :

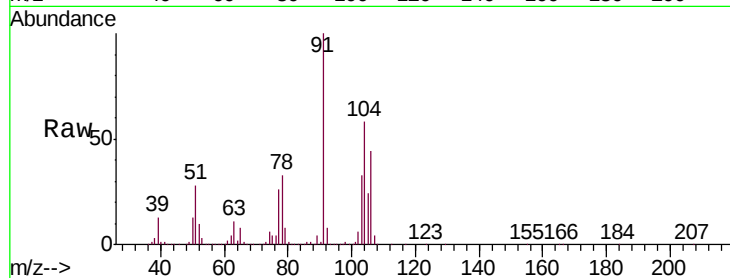
GAJ91

Tgt Ion:106 Resp: 1384431

Ion Ratio Lower Upper

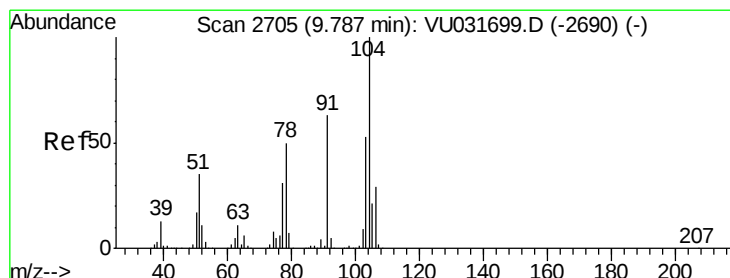
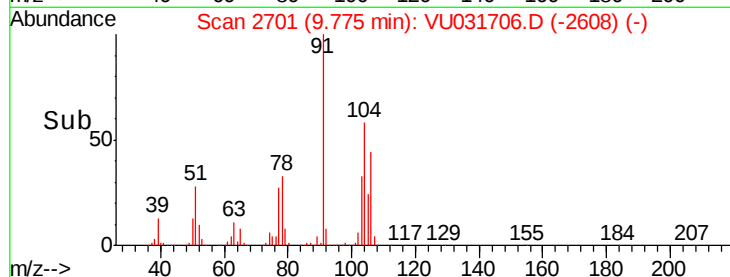
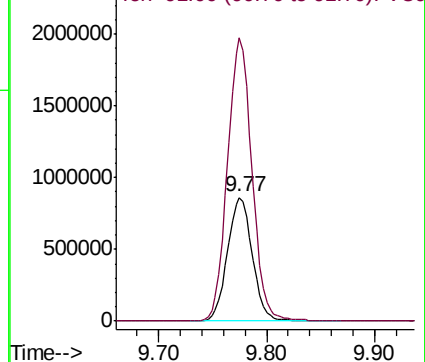
106 100

91 229.0 163.2 303.2



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

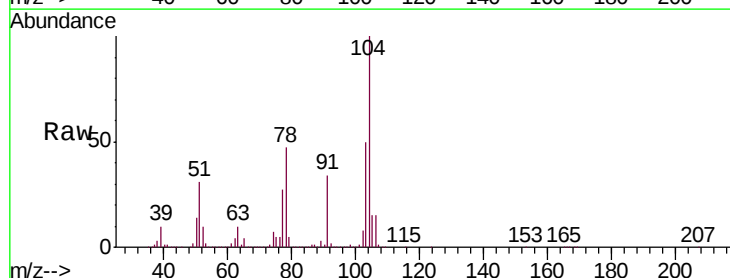
Acq: 02 May 2019 12:48

Tgt Ion:104 Resp: 4437060

Ion Ratio Lower Upper

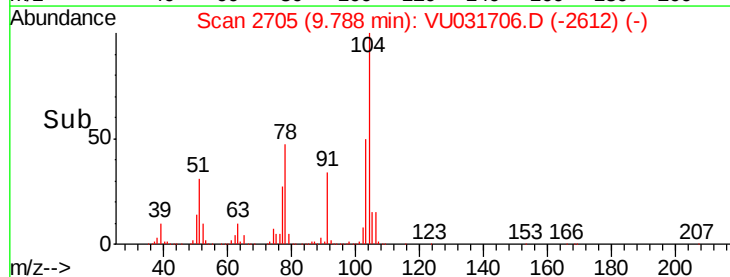
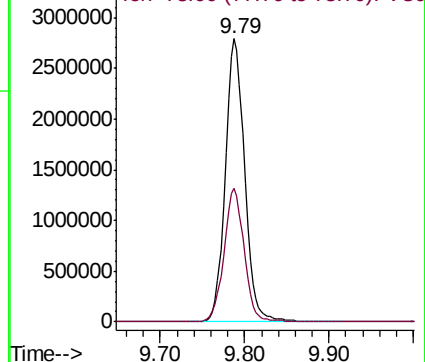
104 100

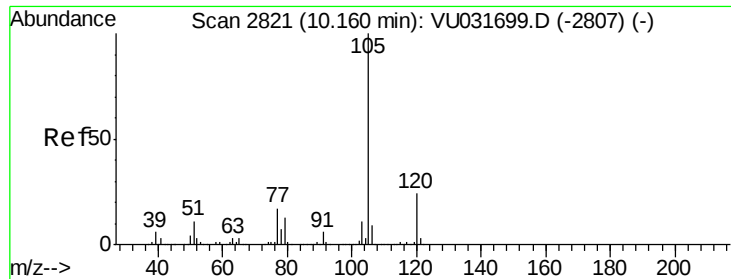
78 47.1 35.4 65.7



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

Instrument :

MSVOA_U

ClientSampleId :

GAJ91

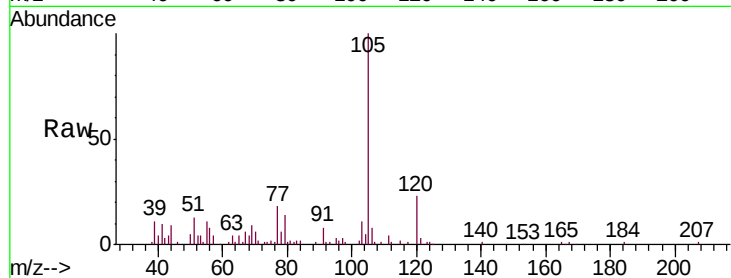
Tgt Ion:105 Resp: 36021

Ion Ratio Lower Upper

105 100

120 24.1 20.1 30.1

77 16.2 13.8 20.6



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): VU

