

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031257.D
 Acq On : 17 Apr 2019 14:06
 Operator : JC/SP
 Sample : K2402-05 10X
 Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHH7

Quant Time: Apr 18 05:52:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	584017	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	570486	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	286917	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	186513	34.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.36%
7) Chloroethane-d5	1.68	69	153304	32.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.66%#
11) 1,1-Dichloroethene-d2	2.26	63	284774	26.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.46%#
21) 2-Butanone-d5	4.19	46	319241	81.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.50%
24) Chloroform-d	4.64	84	293503	32.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	65.42%#
26) 1,2-Dichloroethane-d4	5.31	65	193775	35.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.12%
32) Benzene-d6	5.33	84	616324	34.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.34%#
36) 1,2-Dichloropropane-d6	6.32	67	213145	36.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.82%
41) Toluene-d8	7.56	98	584574	36.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.68%#
43) trans-1,3-Dichloropropene-	7.85	79	97546	34.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.72%
47) 2-Hexanone-d5	8.31	63	199264	72.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290147	35.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	71.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	241599	36.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.44%#

Target Compounds

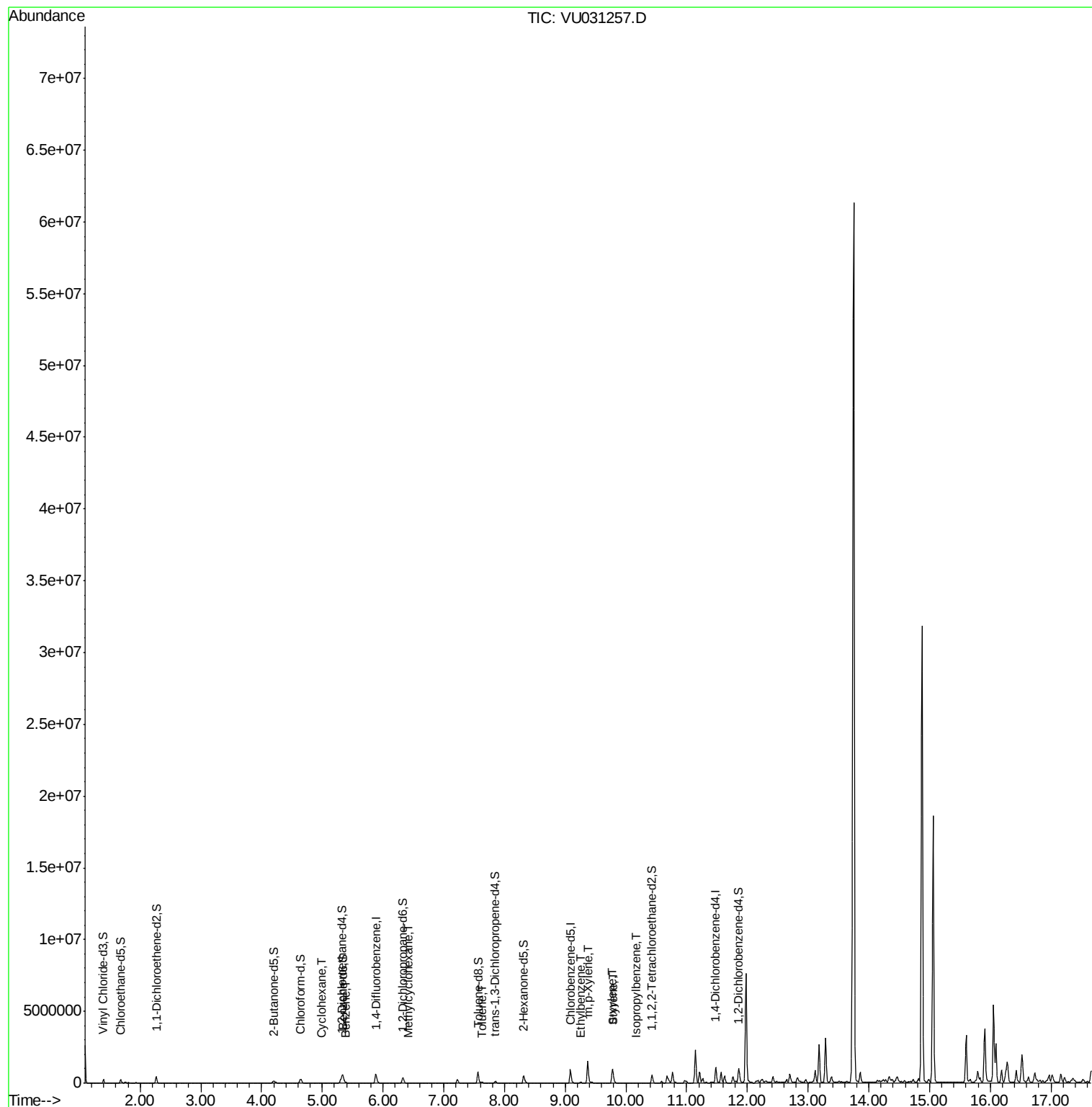
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.99	56	11404	1.421	ug/L	# 58
33) Benzene	5.39	78	33408	1.741	ug/L	100
35) Methylcyclohexane	6.41	83	12047	1.685	ug/L	89
42) Toluene	7.64	91	39724	2.081	ug/L	97
52) Ethylbenzene	9.25	91	56145	2.702	ug/L	95
53) m,p-Xylene	9.37	106	449552	61.309	ug/L	99
54) o-xylene	9.77	106	234508	31.582	ug/L	98
55) Styrene	9.79	104	178048	14.205	ug/L	98
56) Isopropylbenzene	10.16	105	13568	0.713	ug/L	98

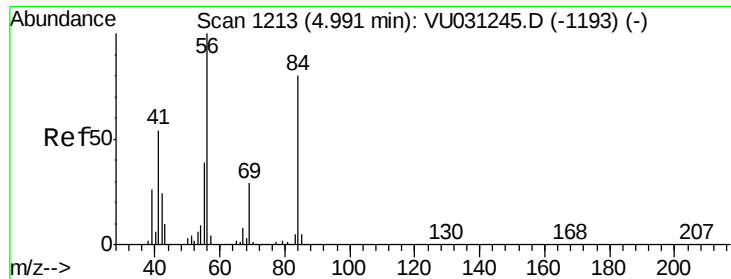
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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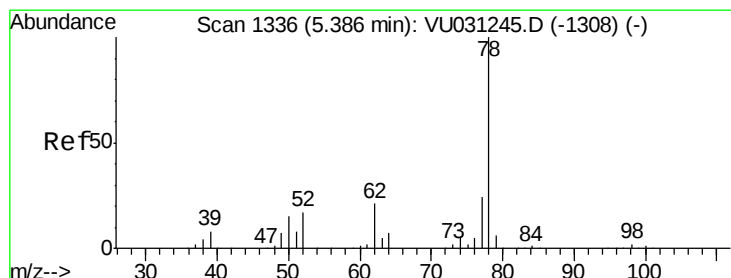
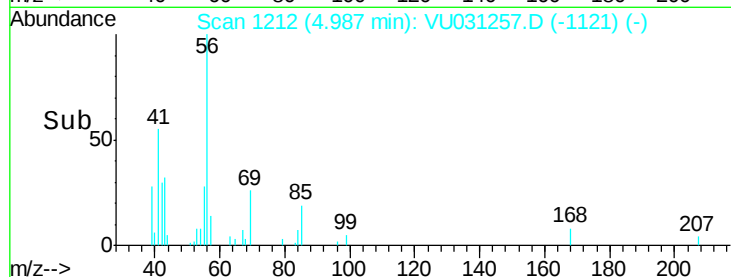
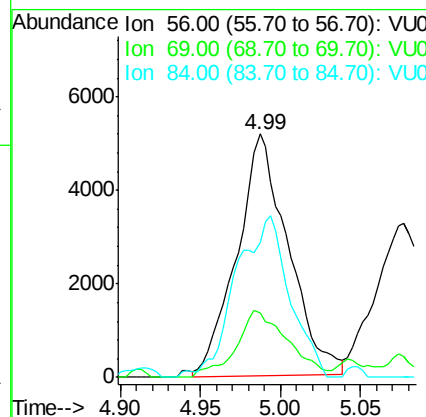
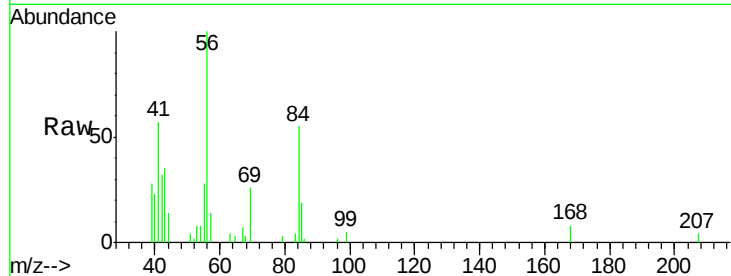




#29
Cyclohexane
Concen: 1.421 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.01 min
Lab File: VU031257.D
Acq: 17 Apr 2019 14:06

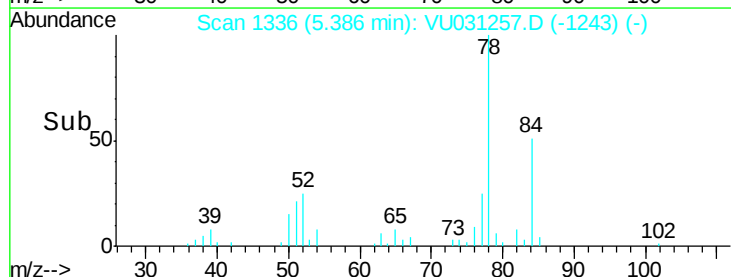
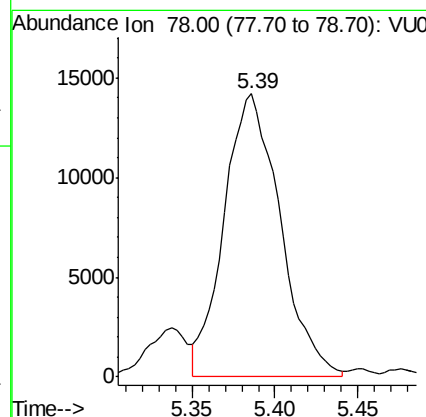
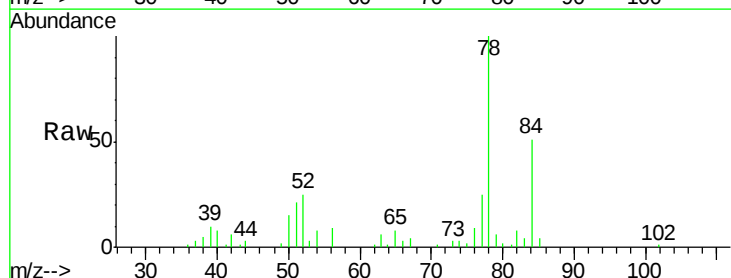
Instrument :
MSVOA_U
ClientSampleId :
GAHH7

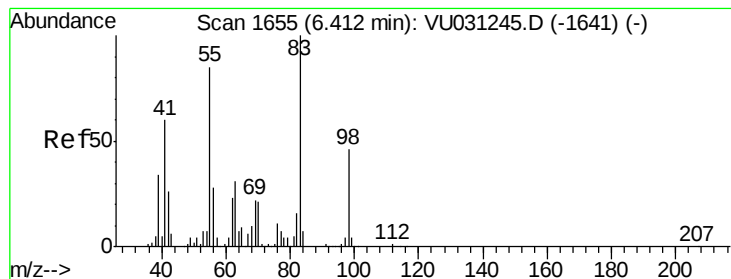
Tot Ion: 56 Resp: 11404
Ion Ratio Lower Upper
56 100
69 27.7 23.0 34.6
84 27.5 61.8 92.6#



#33
Benzene
Concen: 1.741 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU031257.D
Acq: 17 Apr 2019 14:06

Tgt Ion: 78 Resp: 33408





#35

Methvlcvclohexane

Concen: 1.685 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU031257.D

Acq: 17 Apr 2019 14:06

Instrument :

MSVOA_U

ClientSampleId :

GAHH7

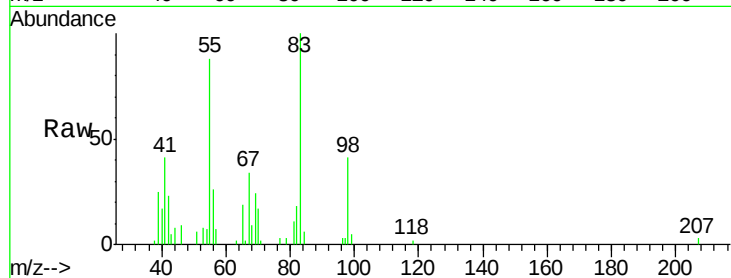
Tot Ion: 83 Resp: 12047

Ion Ratio Lower Upper

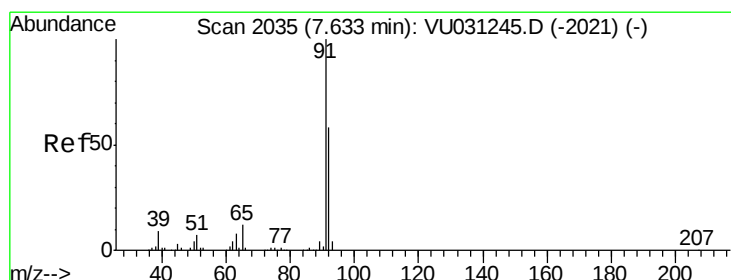
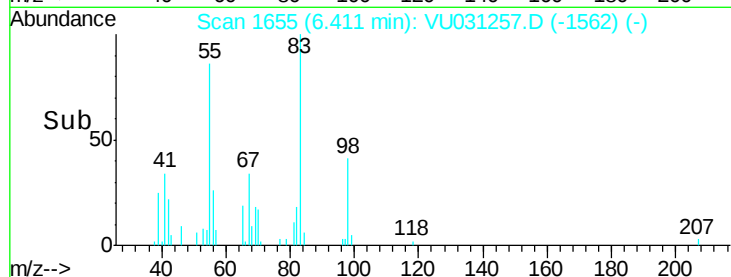
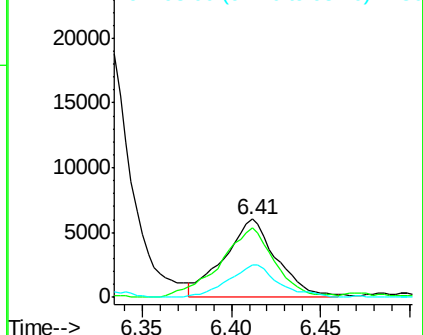
83 100

55 93.3 67.0 100.4

98 38.9 36.9 55.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#42

Toluene

Concen: 2.081 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031257.D

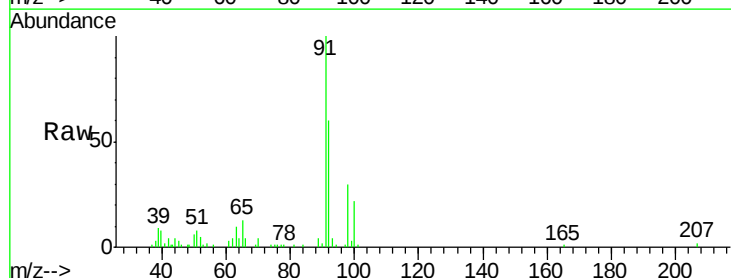
Acq: 17 Apr 2019 14:06

Tgt Ion: 91 Resp: 39724

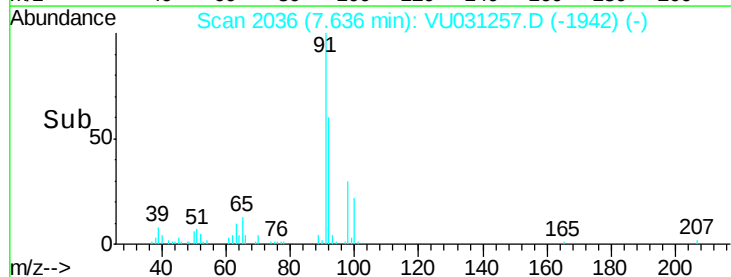
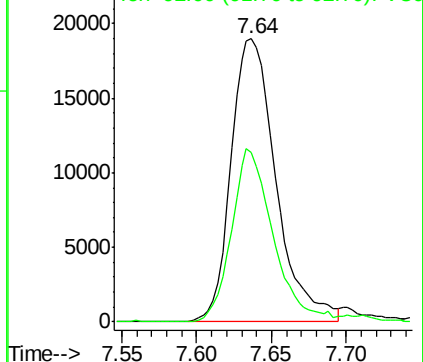
Ion Ratio Lower Upper

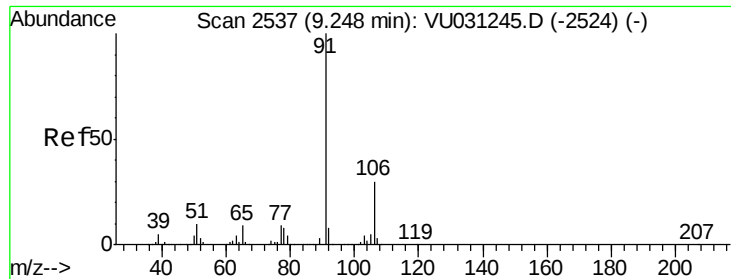
91 100

92 59.8 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: 2.702 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031257.D

Acq: 17 Apr 2019 14:06

Instrument :

MSVOA_U

ClientSampleId :

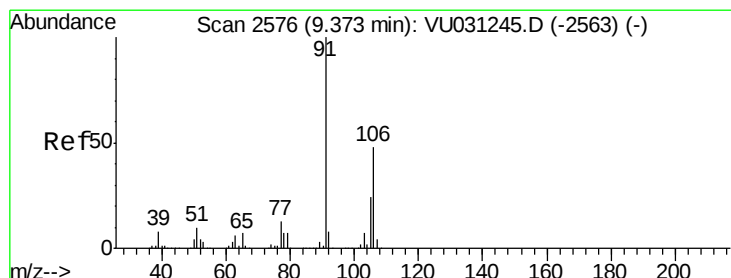
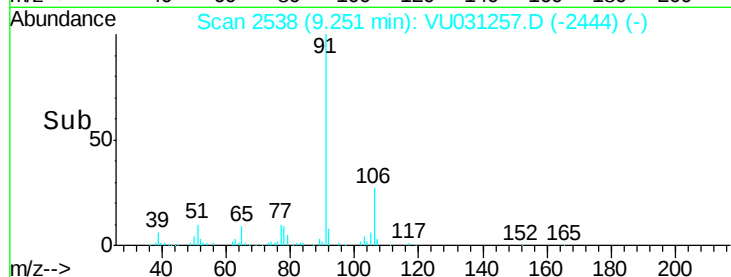
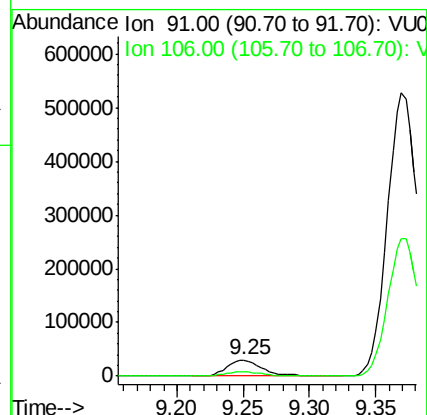
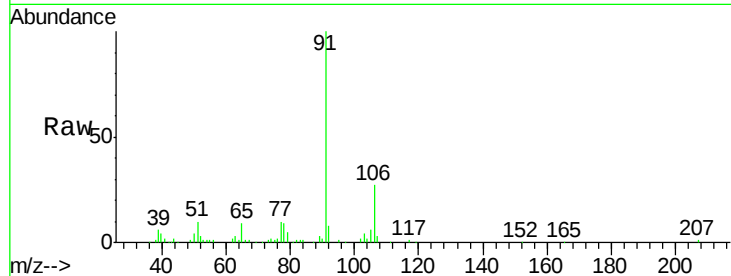
GAHH7

Tot Ion: 91 Resp: 56145

Ion Ratio Lower Upper

91 100

106 26.9 20.9 38.7



#53

m,p-Xylene

Concen: 61.309 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031257.D

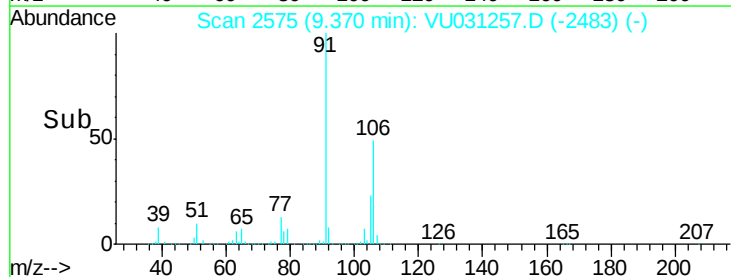
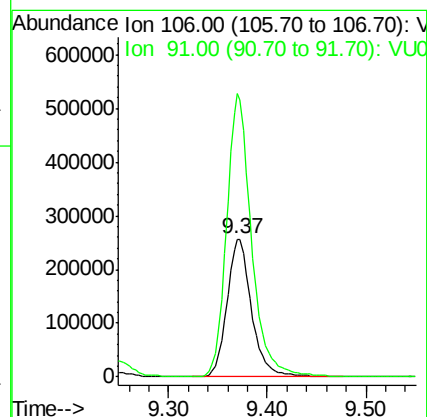
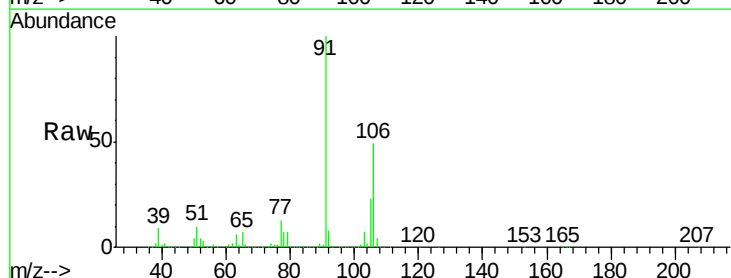
Acq: 17 Apr 2019 14:06

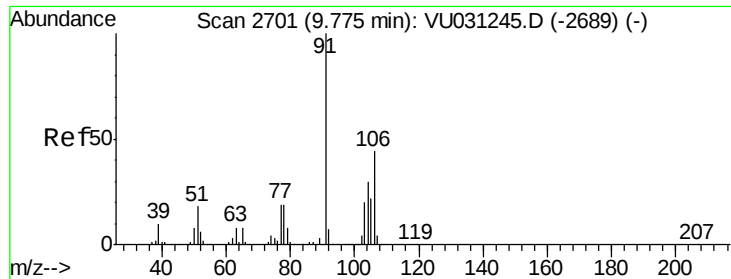
Tgt Ion: 106 Resp: 449552

Ion Ratio Lower Upper

106 100

91 205.3 144.5 268.4





#54

o-xylene

Concen: 31.582 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031257.D

Acq: 17 Apr 2019 14:06

Instrument :

MSVOA_U

ClientSampleId :

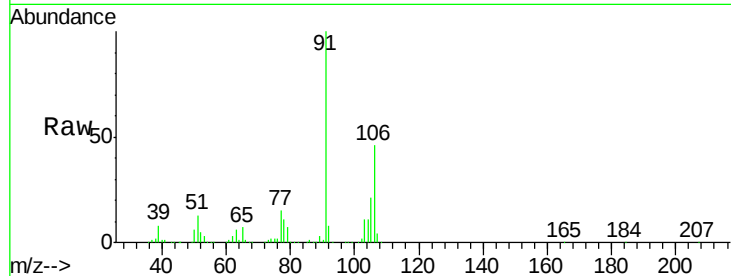
GAHH7

Tot Ion:106 Resp: 234508

Ion Ratio Lower Upper

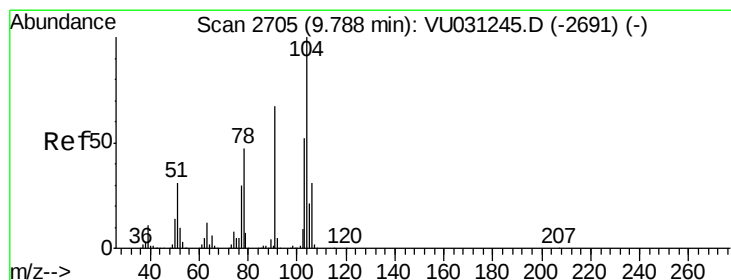
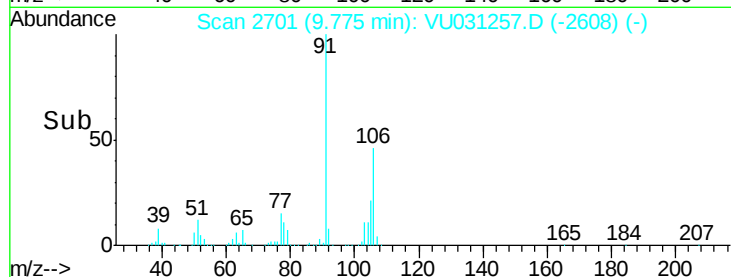
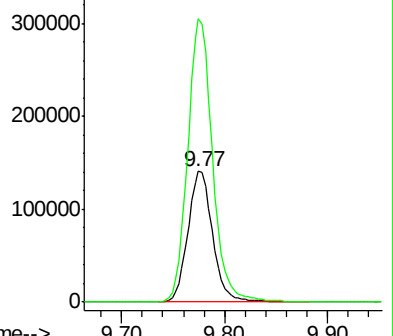
106 100

91 217.0 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 14.205 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031257.D

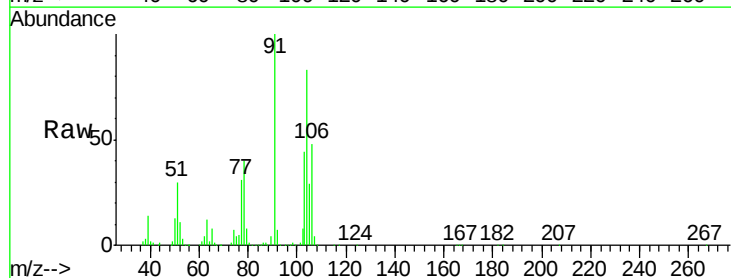
Acq: 17 Apr 2019 14:06

Tgt Ion:104 Resp: 178048

Ion Ratio Lower Upper

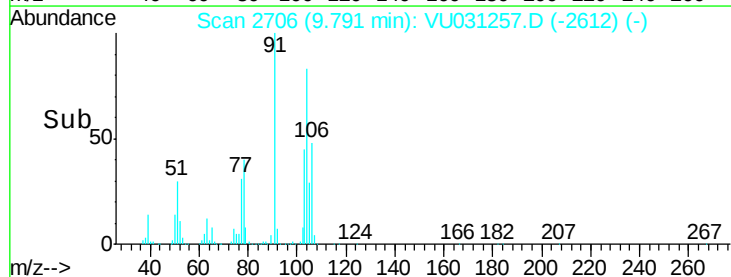
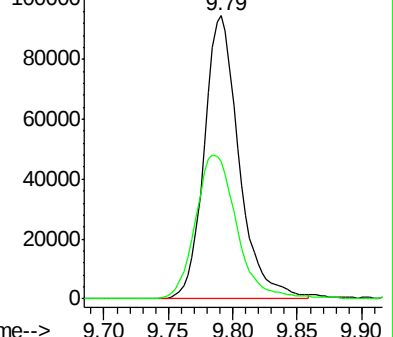
104 100

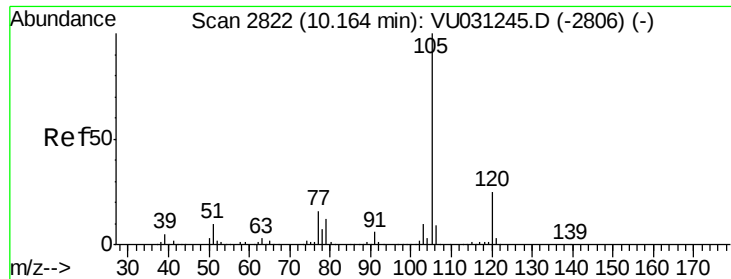
78 48.4 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 0.713 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031257.D

Acq: 17 Apr 2019 14:06

Instrument :

MSVOA_U

ClientSampleId :

GAHH7

Tot Ion:105 Resp: 13568

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 14.0 13.0 19.4

