

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
 Data File : VU031364.D
 Acq On : 19 Apr 2019 17:11
 Operator : JC/SP
 Sample : K2402-05 5X
 Misc : 5.04g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHH7

Quant Time: Apr 20 00:28:29 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	665738	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	551555	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	281988	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	201530	32.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.74%
7) Chloroethane-d5	1.68	69	175406	32.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.90%#
11) 1,1-Dichloroethene-d2	2.26	63	315141	25.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.90%#
21) 2-Butanone-d5	4.20	46	466269	104.42	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.42%
24) Chloroform-d	4.64	84	426853	41.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.46%
26) 1,2-Dichloroethane-d4	5.31	65	266033	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.46%
32) Benzene-d6	5.34	84	893405	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
36) 1,2-Dichloropropane-d6	6.33	67	263208	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.02%
41) Toluene-d8	7.56	98	684273	44.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.85	79	119761	44.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.54%
47) 2-Hexanone-d5	8.32	63	280290	104.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	379294	48.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	309120	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

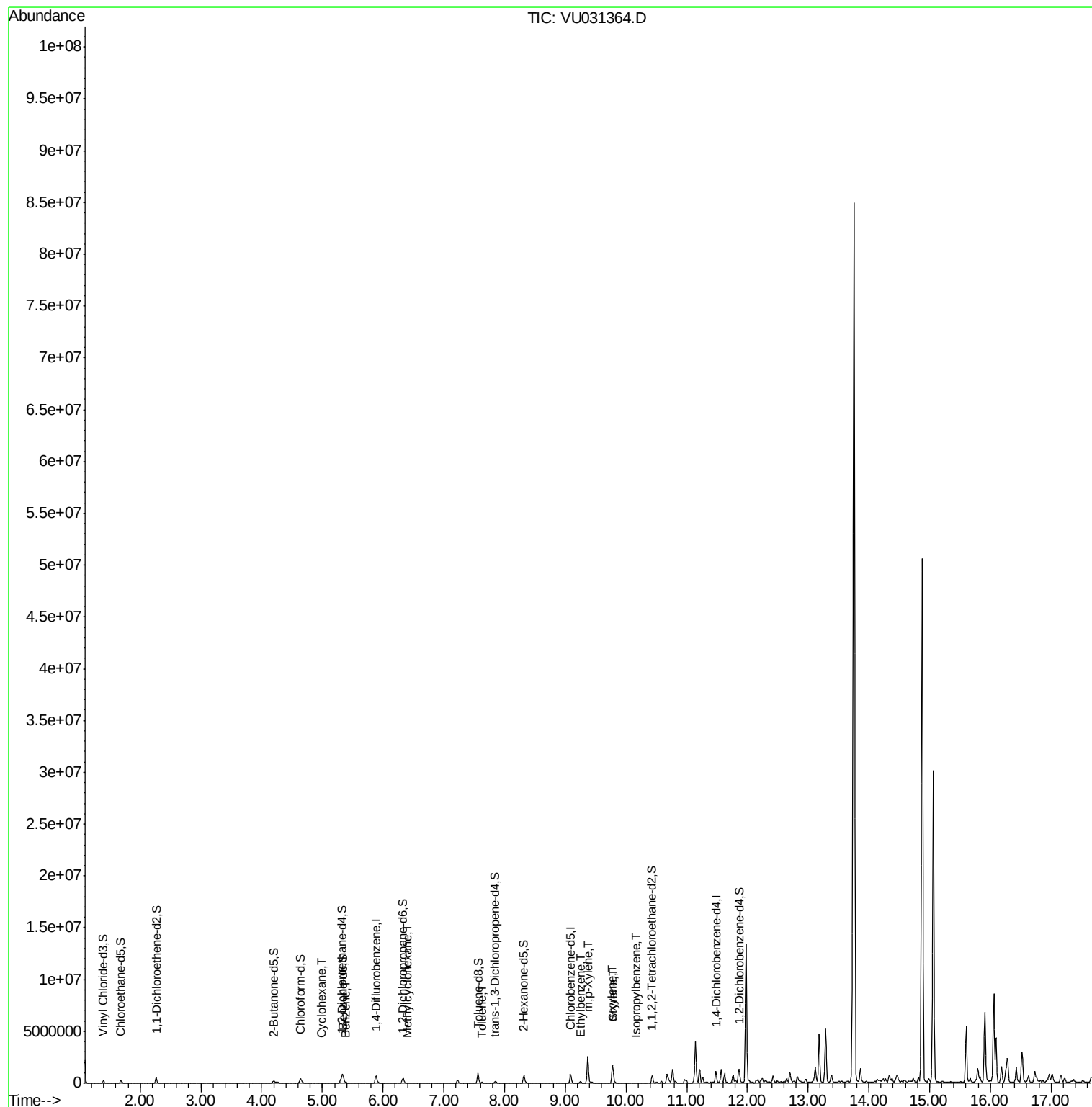
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.99	56	12832	1.654	ug/L	90
33) Benzene	5.39	78	46927	2.530	ug/L	100
35) Methylcyclohexane	6.41	83	17703	2.562	ug/L	95
42) Toluene	7.64	91	60432	3.275	ug/L	92
52) Ethylbenzene	9.25	91	104897	5.222	ug/L	98
53) m,p-Xylene	9.37	106	783520	110.523	ug/L	99
54) o-xylene	9.78	106	408223	56.863	ug/L	97
55) Styrene	9.79	104	324258	26.757	ug/L	98
56) Isopropylbenzene	10.16	105	24407	1.326	ug/L #	85

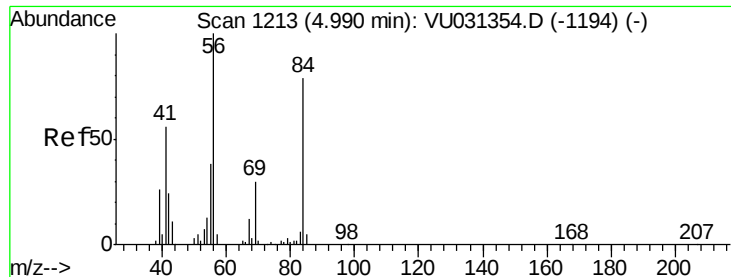
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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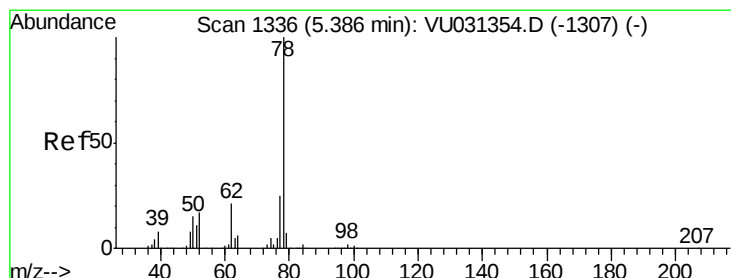
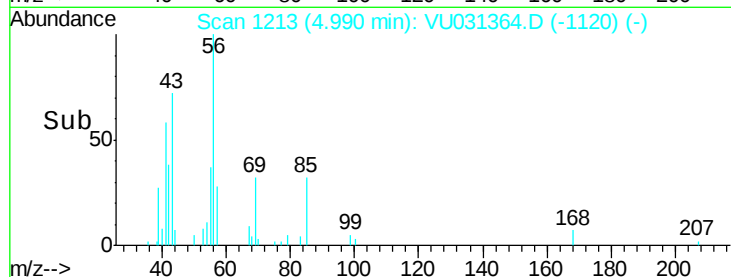
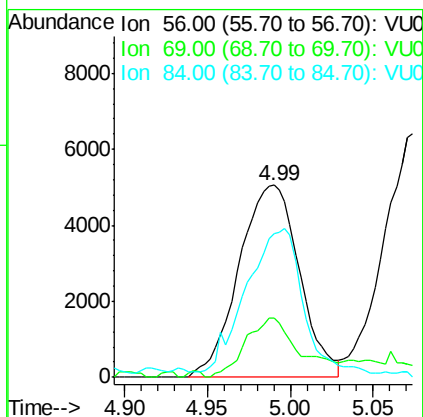
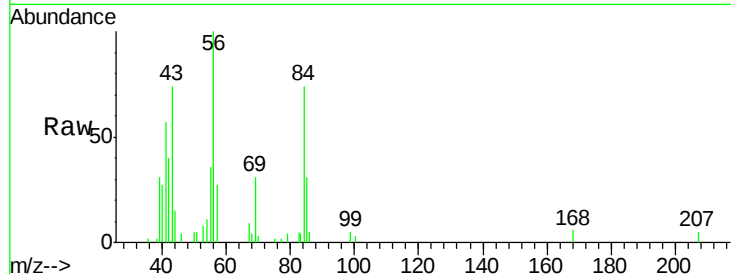




#29
Cyclohexane
Concen: 1.654 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU031364.D
Acq: 19 Apr 2019 17:11

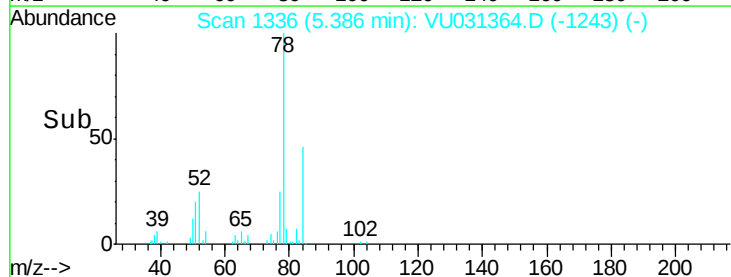
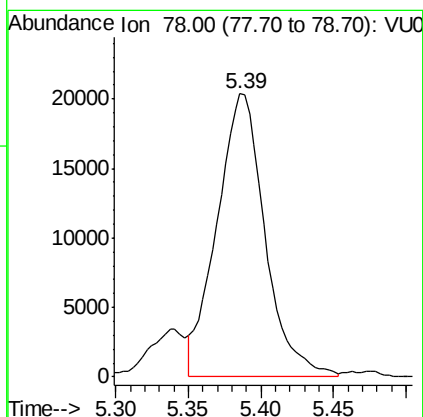
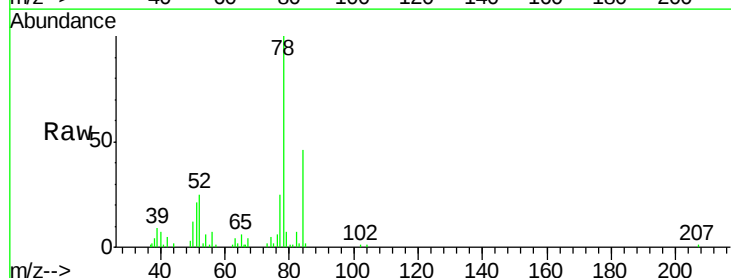
Instrument :
MSVOA_U
ClientSampleId :
GAHH7

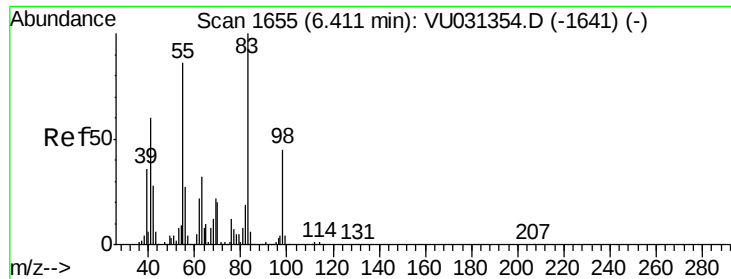
Tot Ion: 56 Resp: 12832
Ion Ratio Lower Upper
56 100
69 23.5 23.0 34.6
84 68.8 61.8 92.6



#33
Benzene
Concen: 2.530 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU031364.D
Acq: 19 Apr 2019 17:11

Tgt Ion: 78 Resp: 46927

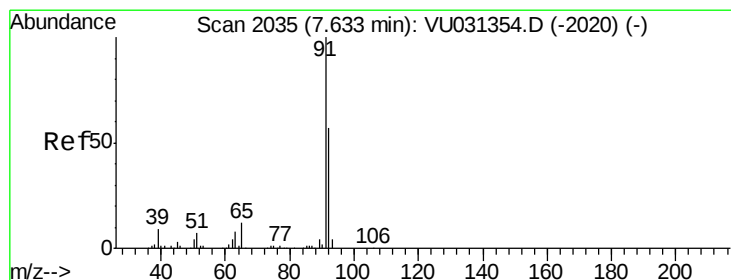
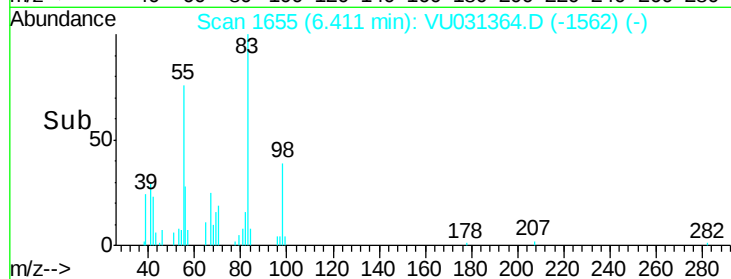
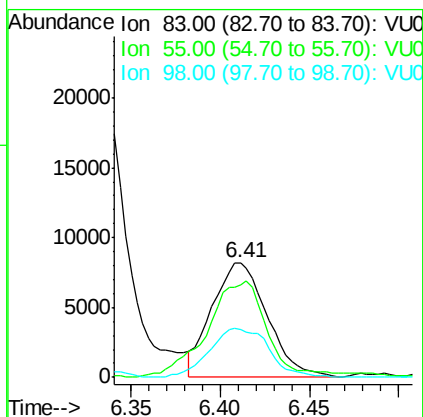
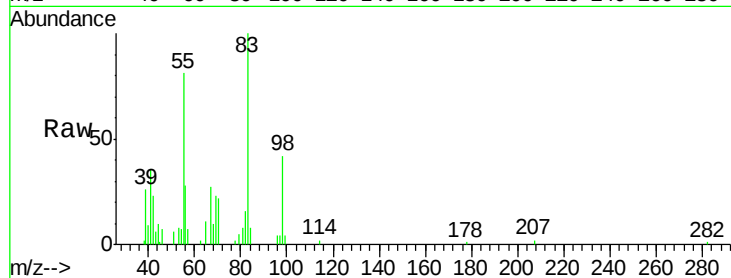




#35
Methvlcvclohexane
Concen: 2.562 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU031364.D
Acq: 19 Apr 2019 17:11

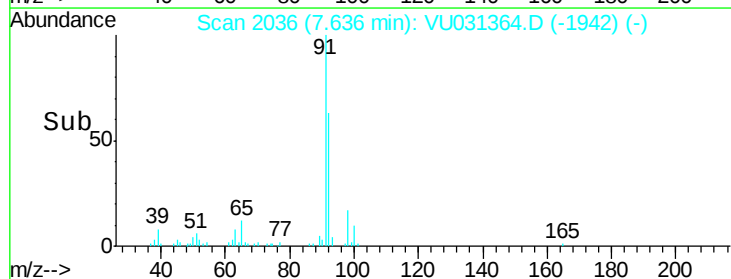
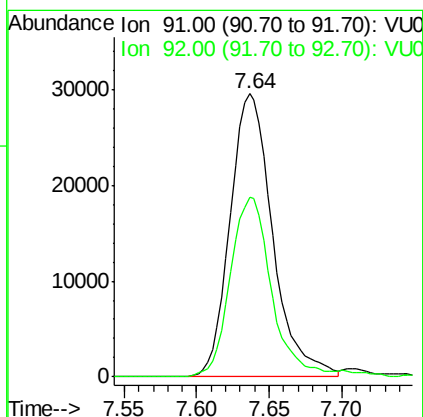
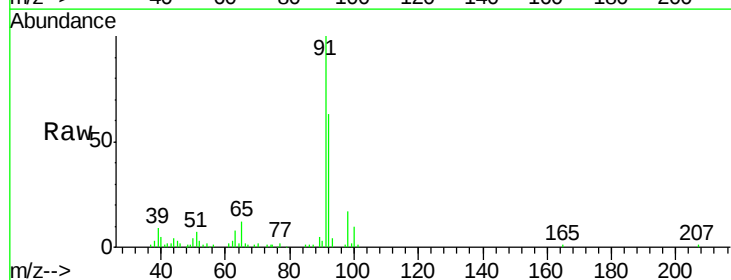
Instrument :
MSVOA_U
ClientSampleId :
GAHH7

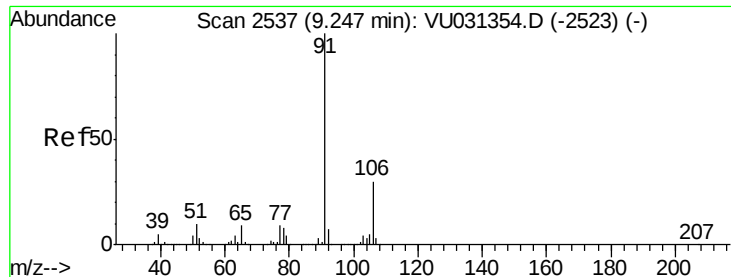
Tot Ion: 83 Resp: 17703
Ion Ratio Lower Upper
83 100
55 90.6 67.0 100.4
98 45.6 36.9 55.3



#42
Toluene
Concen: 3.275 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU031364.D
Acq: 19 Apr 2019 17:11

Tgt Ion: 91 Resp: 60432
Ion Ratio Lower Upper
91 100
92 63.3 40.1 74.5





#52

Ethylbenzene

Concen: 5.222 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031364.D

Acq: 19 Apr 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

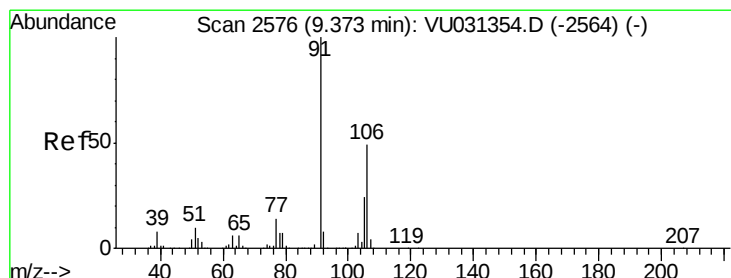
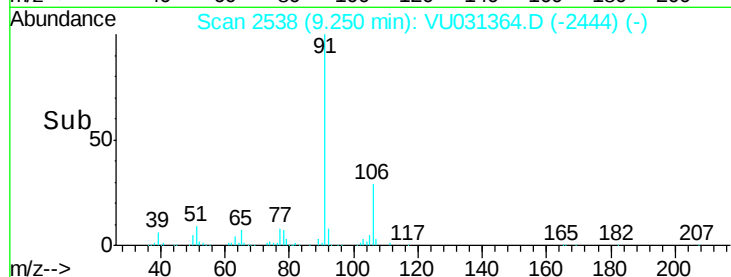
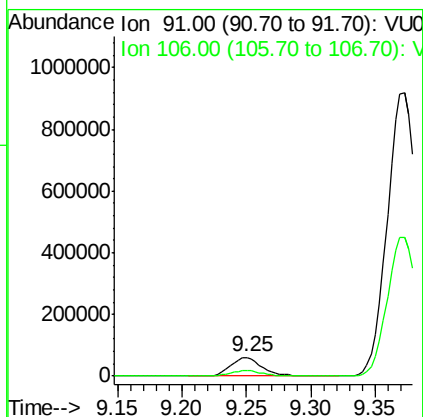
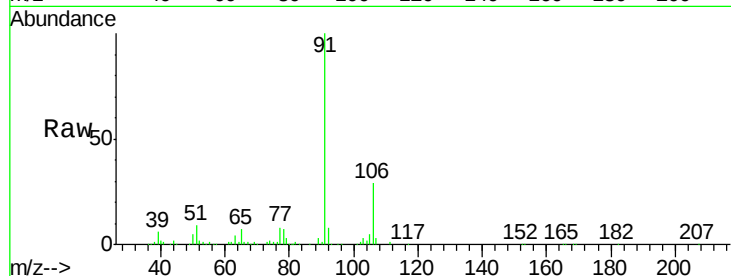
GAHH7

Tot Ion: 91 Resp: 104897

Ion Ratio Lower Upper

91 100

106 28.7 20.9 38.7



#53

m,p-Xylene

Concen: 110.523 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031364.D

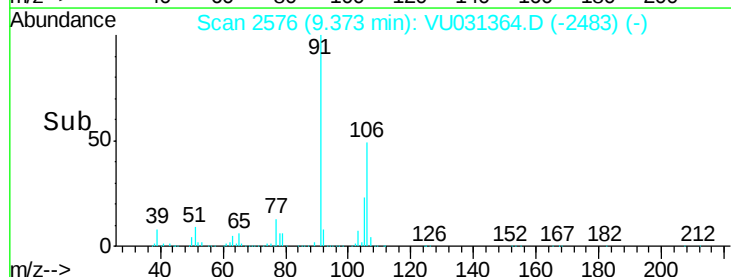
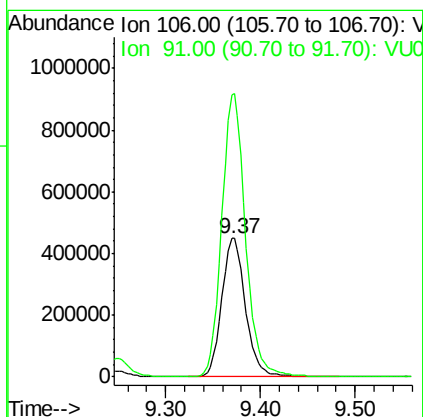
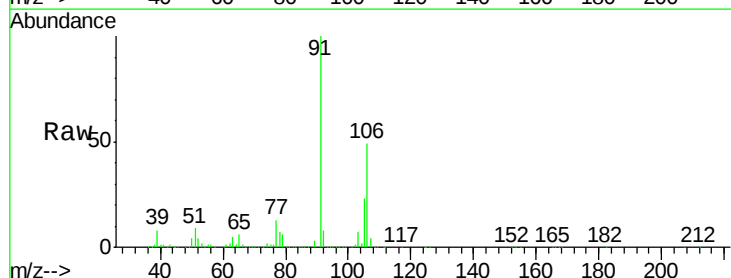
Acq: 19 Apr 2019 17:11

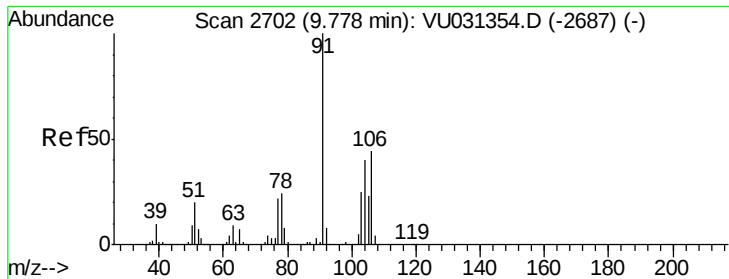
Tgt Ion: 106 Resp: 783520

Ion Ratio Lower Upper

106 100

91 204.2 144.5 268.4





#54

o-xylene

Concen: 56.863 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU031364.D

Acq: 19 Apr 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

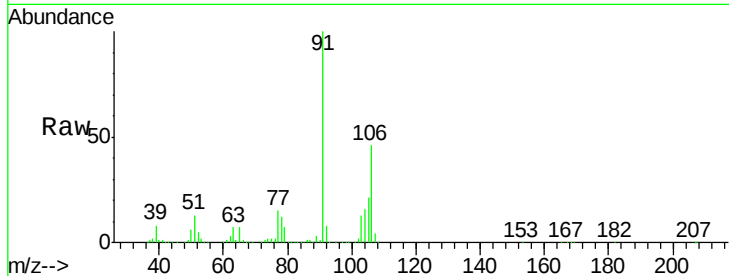
GAHH7

Tot Ion:106 Resp: 408223

Ion Ratio Lower Upper

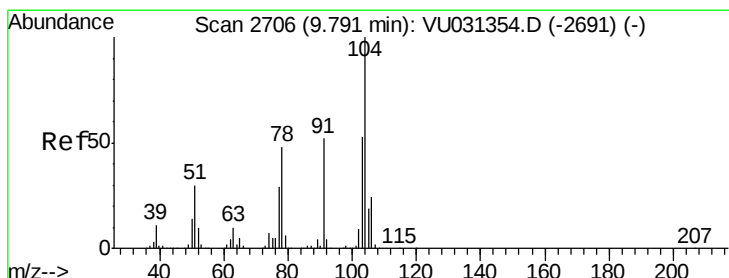
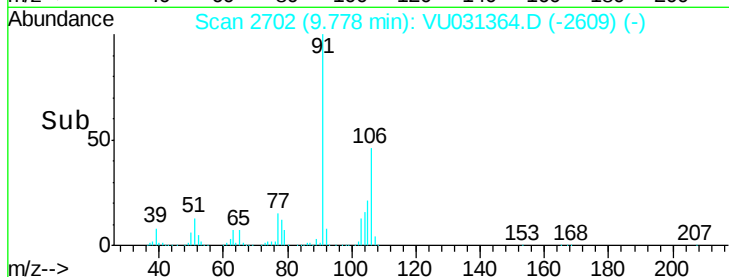
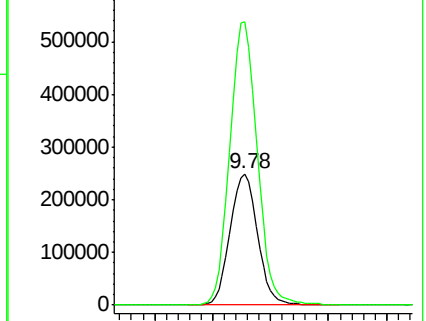
106 100

91 215.8 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 26.757 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU031364.D

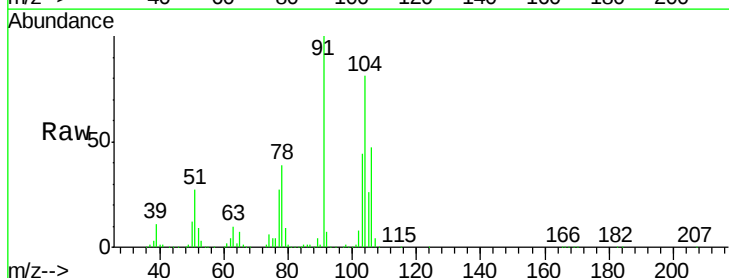
Acq: 19 Apr 2019 17:11

Tgt Ion:104 Resp: 324258

Ion Ratio Lower Upper

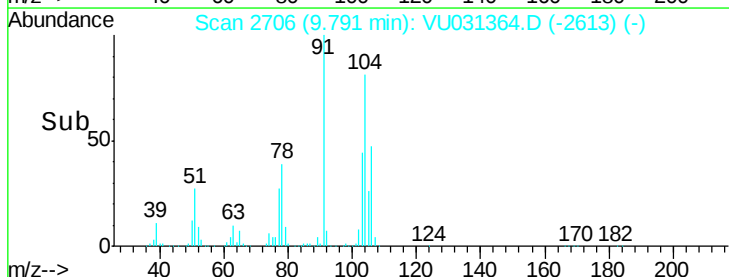
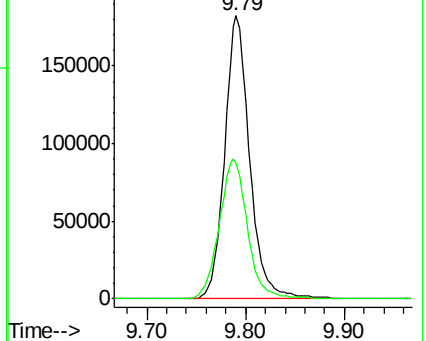
104 100

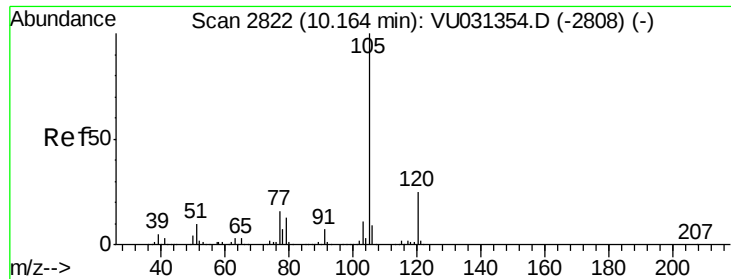
78 48.0 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.326 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031364.D

Acq: 19 Apr 2019 17:11

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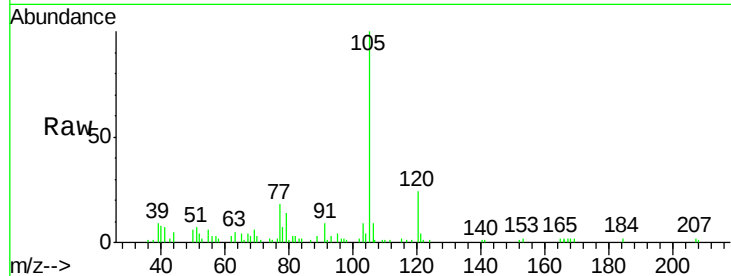
Tot Ion:105 Resp: 24407

Ion Ratio Lower Upper

105 100

120 14.6 20.6 31.0#

77 14.8 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): V

