

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030463.D
 Acq On : 26 Mar 2019 23:02
 Operator : JC/SP
 Sample : K2063-08 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R8

Quant Time: Mar 27 08:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	458899	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	429679	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	190259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	175076	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.82%
7) Chloroethane-d5	1.67	69	144134	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.48%
11) 1,1-Dichloroethene-d2	2.27	63	249224	35.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.14%
21) 2-Butanone-d5	4.17	46	358830	103.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.36%
24) Chloroform-d	4.64	84	302016	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	5.31	65	208933	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
32) Benzene-d6	5.34	84	625497	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
36) 1,2-Dichloropropane-d6	6.32	67	218773	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.78%
41) Toluene-d8	7.56	98	539507	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	7.85	79	92079	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.31	63	236931	103.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303668	50.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	191676	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

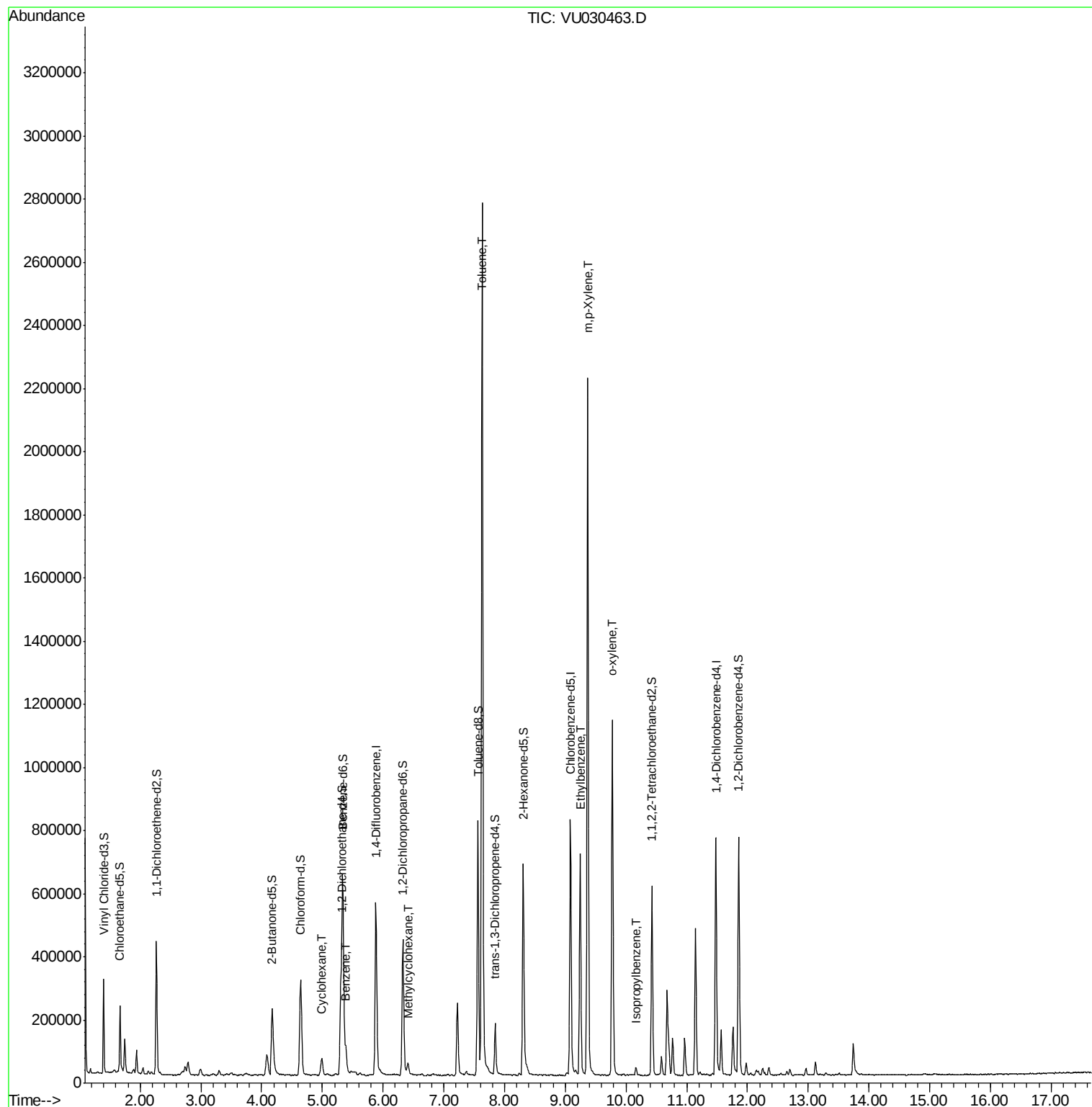
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.99	56	28971	4.455	ug/L	96
33) Benzene	5.39	78	79212	5.416	ug/L	100
35) Methylcyclohexane	6.41	83	13596	2.298	ug/L	88
42) Toluene	7.63	91	2007058	132.217	ug/L	99
52) Ethylbenzene	9.25	91	499490	30.375	ug/L	99
53) m,p-Xylene	9.37	106	605491	101.977	ug/L	98
54) o-xylene	9.77	106	283539	48.941	ug/L	100
56) Isopropylbenzene	10.16	105	15795	1.030	ug/L	98

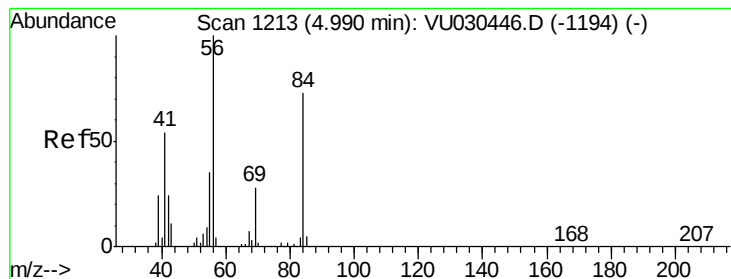
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#29

Cyclohexane

Concen: 4.455 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

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ClientSampleId :

DB6R8

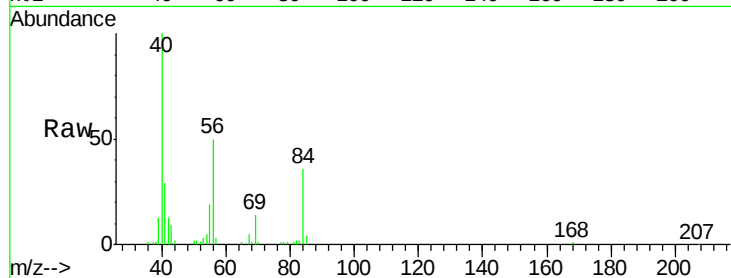
Tot Ion: 56 Resp: 28971

Ion Ratio Lower Upper

56 100

69 29.4 22.9 34.3

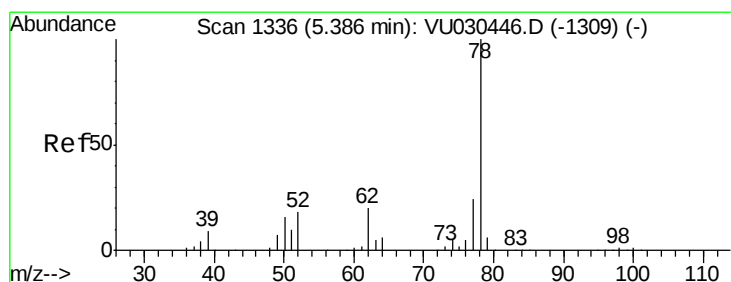
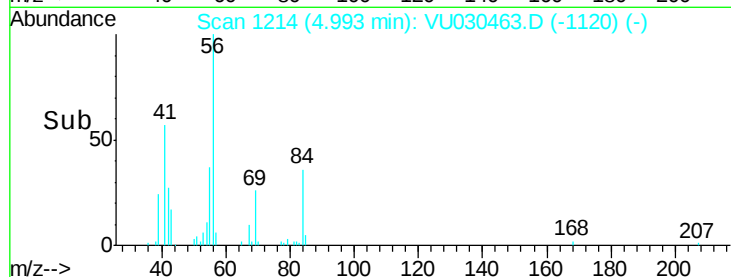
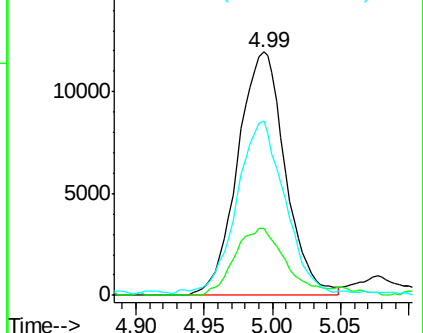
84 69.4 58.9 88.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

Benzene

Concen: 5.416 ug/L

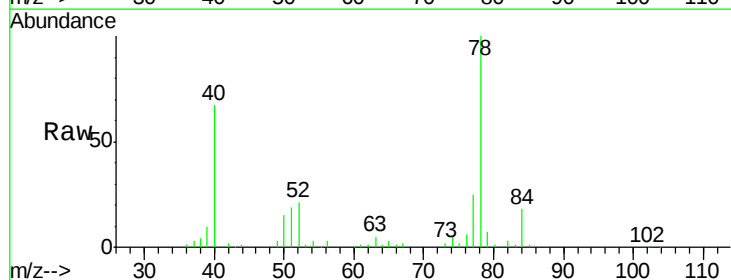
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

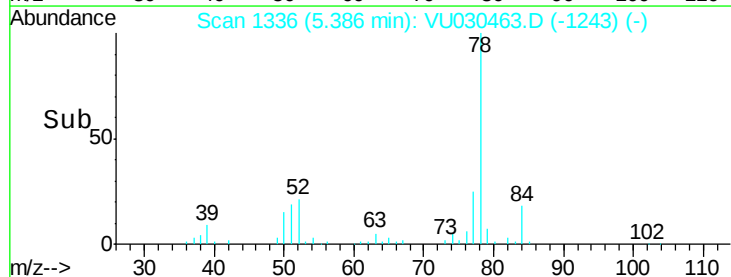
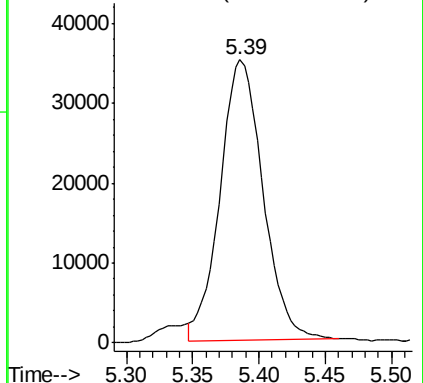
Lab File: VU030463.D

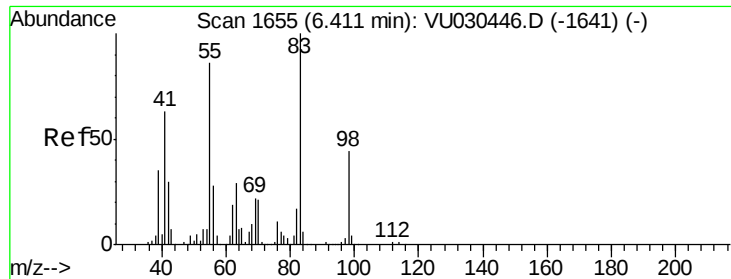
Acq: 26 Mar 2019 23:02

Tgt Ion: 78 Resp: 79212



Abundance Ion 78.00 (77.70 to 78.70): VU0

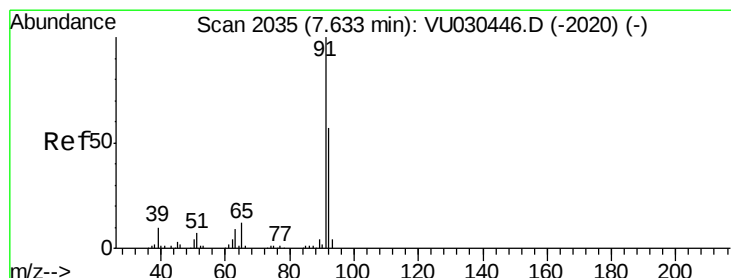
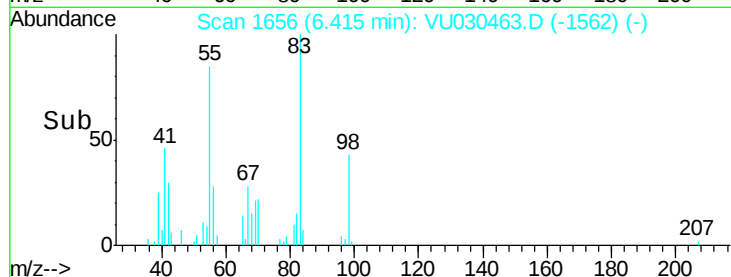
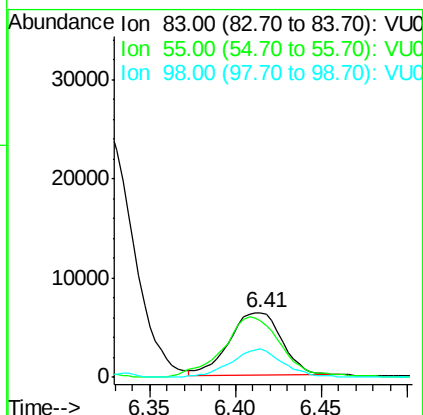
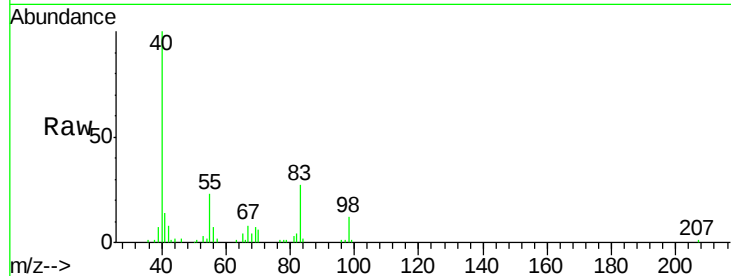




#35
Methvlcvclohexane
Concen: 2.298 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU030463.D
Acq: 26 Mar 2019 23:02

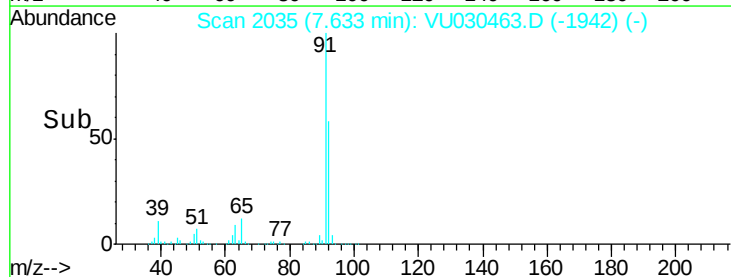
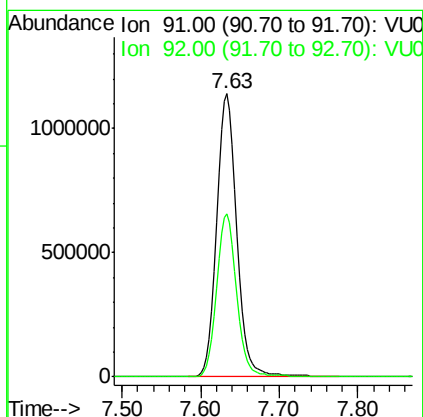
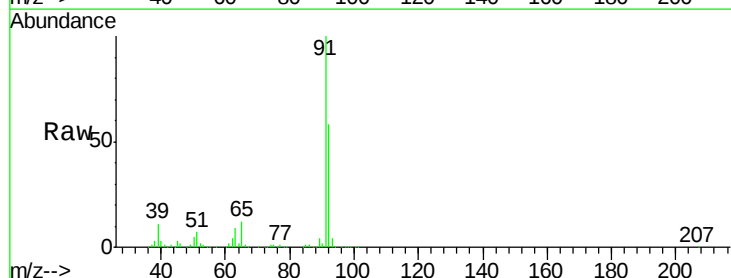
Instrument :
MSVOA_U
ClientSampleId :
DB6R8

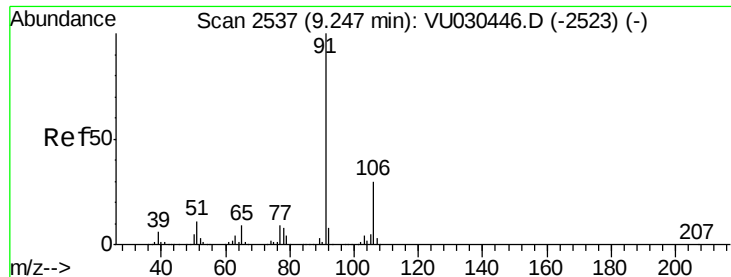
Tot Ion: 83 Resp: 13596
Ion Ratio Lower Upper
83 100
55 106.4 71.4 107.0
98 44.4 36.0 54.0



#42
Toluene
Concen: 132.217 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030463.D
Acq: 26 Mar 2019 23:02

Tgt Ion: 91 Resp: 2007058
Ion Ratio Lower Upper
91 100
92 57.7 39.7 73.7





#52

Ethylbenzene

Concen: 30.375 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampled :

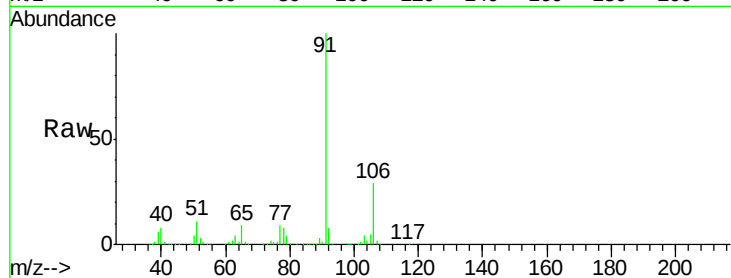
DB6R8

Tot Ion: 91 Resp: 499490

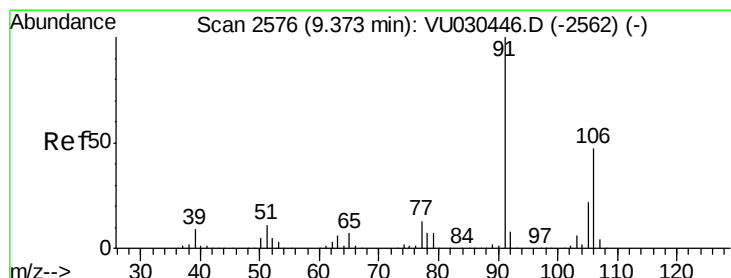
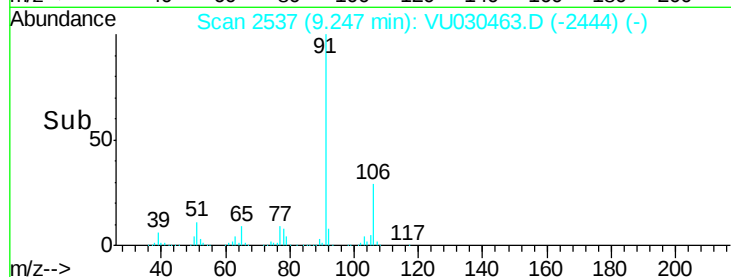
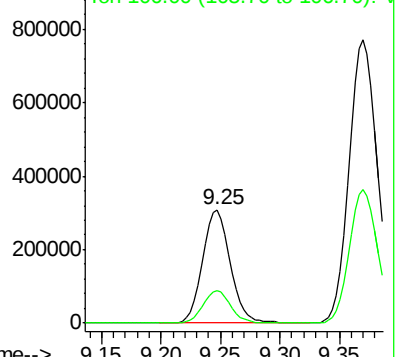
Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU030446.D (-2523) (-)



#53

m,p-Xylene

Concen: 101.977 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030463.D

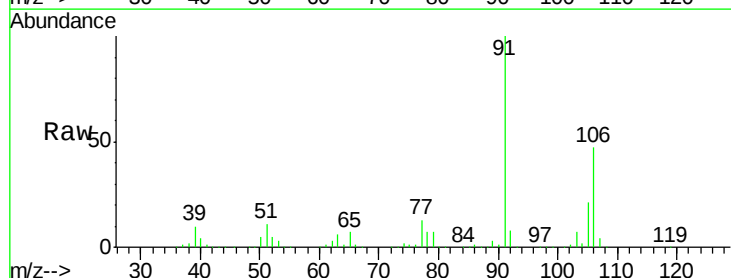
Acq: 26 Mar 2019 23:02

Tgt Ion: 106 Resp: 605491

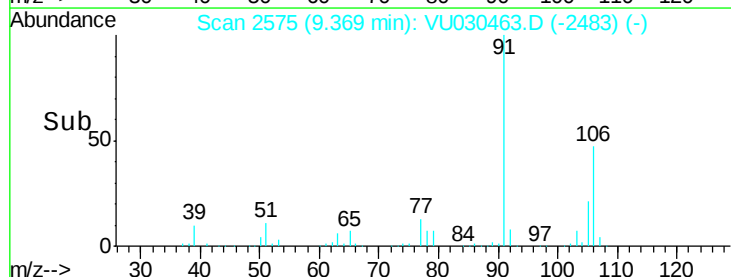
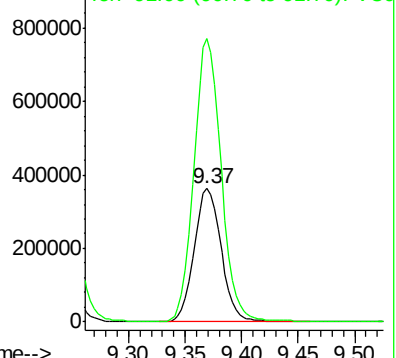
Ion Ratio Lower Upper

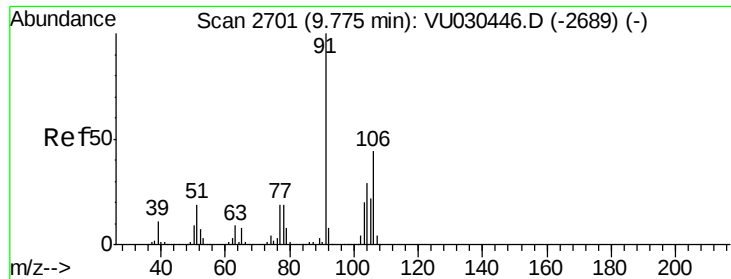
106 100

91 212.5 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): VU030446.D (-2562) (-)





#54

o-xylene

Concen: 48.941 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

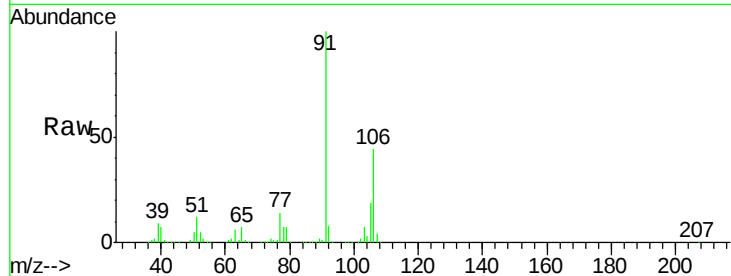
DB6R8

Tot Ion:106 Resp: 283539

Ion Ratio Lower Upper

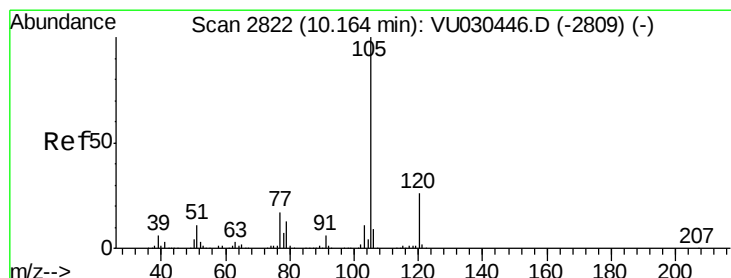
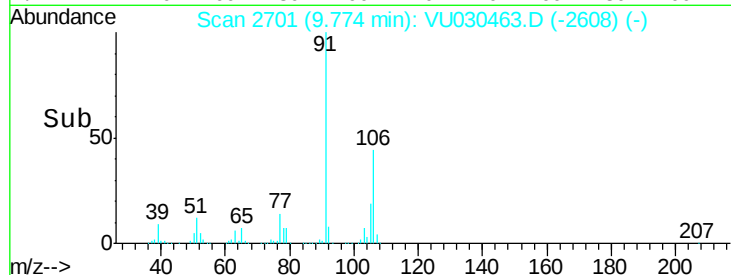
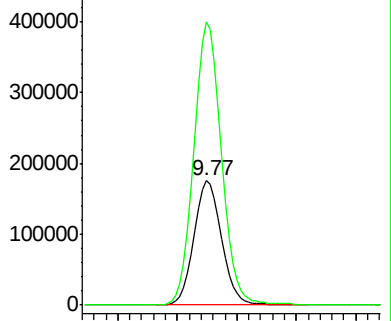
106 100

91 228.1 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.030 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

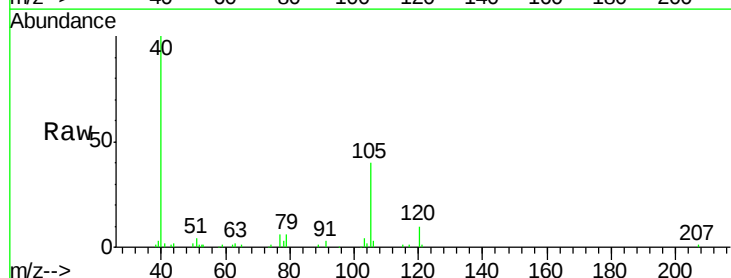
Tgt Ion:105 Resp: 15795

Ion Ratio Lower Upper

105 100

120 24.3 20.2 30.2

77 15.8 13.2 19.8



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

